Preliminary Economic Assessment
NI 43-101 Technical Report on the Brewery Creek Project
Yukon Territory, Canada

Prepared for:

SABRE GOLD

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1.0 EXECUTIVE SUMMARY

1.1 Introduction and Overview

This NI 43-101 Compliant Technical Report is issued to Sabre Gold Mines Corp. (Sabre or Sabre Gold). The Technical Report has been prepared by Kappes, Cassiday and Associates (KCA) and includes information provided by Gustavson Associates (Gustavson), Tetra Tech Inc. (Tetra Tech), Wood Canada Limited (Wood) and Sabre Gold for the Brewery Creek Project.

The Brewery Creek Project considers Mining from several open pits, crushing and heap leaching. Mineralized material will be crushed to 80% passing 19 mm by a three-stage closed mobile crushing circuit, and conveyor stacked onto the existing heap leach pad; a majority of the material on the existing heap leach pad will be removed prior to stacking fresh material. Pebble lime will be added for pH control. Stacked material will be leached using a low concentration sodium cyanide solution. Pregnant solution from the heap leach will be processed in an adsorption, desorption, recovery (ADR) plant where gold will be adsorbed onto activated carbon, stripped, and recovered by electrowinning using a modified Zadra process. The resulting precious metal sludge will be filtered and treated in a mercury retort before being mixed with fluxes and smelted to produce the final doré product.

The average processing throughput for the Project is 9,000 tonnes per day. The scope of this report includes development of a preliminary mine production schedule, process design, metallurgical recovery predictions, capital and operating cost estimates required for the operation and an economic analysis.

This Report supersedes a National Instrument 43-101 Technical Report prepared by Gustavson Associates for Golden Predator dated 05 October 2020 titled “NI 43-101 Technical Report on Resources, Brewery Creek Project, Yukon, Canada”.

1.2 Property Description and Location

The Brewery Creek property consists of an area of 181 square kilometers (km2), located in northwestern Yukon, approximately 55 kilometers (km) due east of Dawson City. The property is centered at Latitude 64.0419° N and Longitude 138.2064° W or UTM NAD83 Zone 7N at 636,400 meters (m) E; 7,104,700 m N. The property is accessible by paved and gravel roads from the junction of the North Klondike and Dempster Highways.

1.3 Ownership

The property is held by Sabre Gold who holds a 100% interest in all 1,075 quartz claims, 93 of which have been converted to mining leases. The area where Sabre will hold the surface rights is the same as the claim areas. Gustavson notes that the surface rights are sufficient for foreseeable exploration and development activities and are expected to be sufficient for mining operations.

In August of 2021, Golden Predator Mining Corp. merged with Arizona Gold Corp. to form Sabre Gold Mines Corp. The Brewery Creek project is 100% owned by Golden Predator Exploration Ltd a wholly owned subsidiary of Sabre Gold Mines.

1.4 Geology and Mineralization

The Brewery Creek property is located within the foothills of the Ogilvie Mountains along the northeastern boundary of the Tintina Trench. The Tintina Trench forms a 15-kilometer-wide erosional valley that delineates the northwest-striking Mesozoic to Tertiary Tintina Fault. Near the Brewery Creek Project, the Tintina Fault juxtaposes Selwyn Basin stratigraphy on the northeast and the accreted terranes of the Canadian Cordillera on the southwest. Selwyn Basin stratigraphy is composed of Late Proterozoic and Paleozoic marginal basin deposits of ancient North America. The Cordillera rocks are dominantly composed of Klondike Schist and other allied rocks of the Yukon-Tanana Terrain, an allochthonous terrain of primarily volcanic arc rocks that evolved in mid to late Paleozoic time.

The Brewery Creek Project is in Selwyn Basin rocks northeast of the Tintina Trench. The Selwyn Basin stratigraphy consists of late Proterozoic to Paleozoic marginal basinal and platformal clastic and pelitic lower greenschist facies metasedimentary rocks. The provenance of the protoliths was the North American Craton. The stratigraphy includes thick sequences of Lower Proterozoic Hyland Group, Cambrian-Ordovician Road River Group and Devonian-Mississippian Earn Group sedimentary rocks.

The Selwyn Basin rocks have been poly-deformed and imbricated by the Jura-Cretaceous Dawson, Tombstone and Robert Service Thrusts. The Hyland, Road River and Earn Group rocks are cut by Cretaceous intrusive rocks (Tombstone Plutonic Suite) that form a northwest-trending belt of widely spaced intermediate to siliceous stocks and plutons that closely parallels the Tintina Trench. In the Brewery Creek area, these igneous rocks are monzonites and quartz monzonites that primarily intruded along the thrust faults and formed sill-like geometries. Most of the gold mineralization at Brewery Creek is hosted within or adjacent to these felsic intrusive rocks.

Gold is associated with carbonate/clay, quartz and pyrite/arsenopyrite alteration of monzonite/quartz monzonite intrusive rocks and adjacent siliciclastic rocks. Resources are reported for eighteen deposits. The combination of the previous deposits is shown in Table 1-1.

Table 1-1
Combination of Resource Areas

Old Resource Area	Resource Area
Canadian Upper Fosters Lower Fosters Kokanee Golden	The Keg
Lucky	Lucky
Bohemian Schooner	Bohemian-Schooner
Classic	Classic
East Big Rock West Big Rock	Big Rock
Moosehead	Moosehead
North Slope	North Slope
Pacific Blue	Pacific-Blue
Sleeman	Sleeman
Camp	Camp
Lone Star	Lone Star

1.5 Exploration Status

In 2011 and 2012, Golden Predator, now Sabre, undertook an airborne magnetic survey, induced polarization (IP) survey, and soil sampling. Sabre utilized exploration results to guide drilling activities.

The Brewery Creek Project has been well drilled by several companies, with a total of approximately 5,491 unique drill holes and approximately 423,648 meters of drilling, exclusive of blastholes and trenching. The drillhole database contains 3,333 drillholes with assay values that fall within all of the model areas as well as ongoing exploration areas. The full database can be found in Appendix B.

Review of the drilling data shows that adequate data exist to support a resource estimate for these deposits.

1.6 Development and Operations

The Project was previously developed and operated by Viceroy from 1996 through 2002, producing approximately 280,000 ounces of gold from seven near-surface oxide deposits (i.e., Pacific, Blue, Moosehead, Upper Fosters, Canadian, Lucky, Golden), which are located along strike within the historically termed "Brewery Creek Reserve Trend" (BCRT). Between 2002 and 2008 various reclamation activities occurred throughout the mine site. Sabre has continued fulfilling permit requirements for monitoring and reporting to Agencies and no significant environmental liabilities from past mining operations were identified in its review of the most recent annual report.

Sabre is currently refining the mineral resource and metallurgy to move the project toward a new operation. The camp, warehouse, core storage, and maintenance facilities remaining from the Viceroy operation are still functional and have been maintained in good working order. The mineral processing facilities will be designed based on the new metallurgical testing and geometallurgical modeling.

1.7 Metallurgical Test Work

Based on the metallurgical tests completed on the Project, key design parameters include:

- Crush size 100% passing 25 mm (80% passing 19 mm).
- Estimated LOM gold recovery of 75% (varies by pit, includes 2% field deduction).
- Design leach cycle of 85 days.
- Cement agglomeration not required
- Overall average cyanide consumption of 0.27 kg/t (varies by pit).
- Overall average lime consumption of 2.44 kg/t (varies by pit).

The Brewery Creek Heap Leach Project shows respectable gold recovery with crushing with low to moderate reagent requirements. The column leach tests consistently show improved recoveries compared to the bottle roll and cyanide shake tests on the same material which has been attributed to some preg robbing effect and slow leaching material. Column leach test results indicate minor recovery improvements with finer crushing.

Known preg robbing material has been identified at Brewery Creek and presents a moderate risk to the overall project. Data available suggests that most of the preg robbing material is largely associated with sedimentary rocks and can be identified visually as well as on the cyanide soluble gold content.

1.8 Mineral Resource Estimate

Measured, Indicated and Inferred Mineral Resource estimates have been produced for the eleven named deposits and the Leach Pad area. The results of the estimation are that the Brewery Creek Project has Measured and Indicated Mineral Resources totaling 34.5 million tonnes at 1.03 g/t, containing 1.14 million ounces of gold. Inferred resources total 36.0 million tonnes at 0.88 g/t containing 1.02 million ounces of gold.

The Mineral Resource Statement is shown in Table 1-2. Gustavson knows of no environmental, permitting, legal, title, taxation, socio-economic, marketing, political, or other factors that could materially affect the mineral resource.

Mineral resources are not mineral reserves and do not demonstrate economic viability. The quantity and grade of inferred resources reported herein are uncertain in nature and exploration completed to date is insufficient to define these Mineral Resources as indicated or measured. There is no certainty that all or any part of the mineral resource will be converted to mineral reserves. Mineral Resources are not mineral reserves and may be materially affected by environmental, permitting, legal, socio-economic, marketing, political, or other factors. Quantity and grade are estimates and are rounded to reflect the fact that the resource estimate is an approximation. The effective date of the Mineral Resources is May 31, 2020.

Table 1-2
Mineral Resource Statement

Resource Area	Au Cutoff (g/t)	Measured Resources			Indicated Resources			Inferred Resources			M + I Resources		
		Tonnes (000's)	Au (g/t)	Au Ozs (000's)	Tonnes (000's)	Au (g/t)	Au Ozs (000's)	Tonnes (000's)	Au (g/t)	Au Ozs (000's)	Tonnes (000's)	Au (g/t)	Au Ozs (000's)
The Keg	0.37	5,300	0.99	169	8,350	0.98	262	6,490	0.95	198	13,700	0.98	431
Lucky	0.37	1,510	1.13	55	2,570	1.25	103	1,670	1.24	66	4,080	1.20	158
Bohemian-Schooner	0.37	2,980	1.29	124	1,450	1.25	58	880	1.18	33	4,430	1.28	182
Classic	0.37				800	0.52	14	2,200	0.52	37	800	0.54	14
Big Rock	0.37	3,470	0.94	105	3,330	0.92	98	3,040	0.85	83	6,800	0.93	203
Moosehead	0.37				1,200	0.91	35	3,400	0.72	79	1,200	0.91	35
Northslope	0.37				200	1.39	8	4,100	0.88	116	200	1.31	8
Pacific-Blue	0.37				1,400	1.22	55	4,600	0.83	122	1,400	1.23	55
Sleeman	0.37				1,900	0.97	58	6,600	0.86	182	1,900	0.94	58
Camp	0.37							800	0.67	17			
Lone Star	0.37							700	0.81	18			
Leach Pad	0.47							1,500	1.31	63			
Total		13,300	1.06	452	21,200	1.02	693	36,000	0.88	1,020	34,500	1.03	1,140

1.9 Mining Methods

Open pit mining was historically utilized on site, and is the method being considered for the purposes of this Report. The oxide mineralization that is the predominant focus of this study is shallow in nature and open pit mining methods are the most efficient for their extraction.

1.10 Recovery Methods

Previously leached material at Brewery Creek will be excavated from the existing leach pad, which will be re-stacked with new mined material. Mineralized material will be mined by standard open pit mining methods from multiple pits and will be processed through a crushing circuit where it will be crushed to 80% passing 19 mm (100% passing 25 mm) at an average rate of 9,000 tonnes per day. Crushing will be accomplished in three stages including an open circuit primary jaw crusher, open circuit secondary cone crusher and closed-circuit tertiary cone crusher. Material will be fed to the primary jaw crusher using a dedicated loader. Mining and crushing activities will be performed seasonally between late March through December (approximately 275 days/year) with leaching year-round.

Crushed material will be stockpiled using a fixed stacker, reclaimed using belt feeders, combined with lime for pH control and conveyed to the conveyor stacking system by an overland conveying system. Crushed material will be stacked in 10 m lifts and leached using a buried drip irrigation system. After percolation through the material, the pregnant leach solution will drain by gravity to a pregnant solution tank where it will be pumped to the carbon adsorption circuit. Gold values will be loaded onto activated carbon in the adsorption circuit; the resulting barren solution will flow by gravity to a barren solution tank and then be pumped to the heap for additional leaching. High strength cyanide solution will be injected into the barren solution to maintain the cyanide concentration in the leach solutions at the desired levels.

Loaded carbon from the adsorption circuit will be stripped using a modified pressure Zadra process where gold and silver will be stripped from the carbon and recovered by electrowinning. Cathodes from the electrowinning cells will be washed and the resulting precious metal sludge treated in a retort to recover mercury values followed by smelting to produce the final doré product.

Carbon will be acid washed before every strip to remove organic scale. Approximately 50% of the carbon will be thermally regenerated after each strip using a rotary kiln.

Electric power will be generated on site using diesel generators. Waste heat from the generators will be used to heat barren process solution during the winter months to prevent freezing. An emergency direct-fired solution heater is also planned for the first year of operation to ensure heap performance. Process solution pipes will be insulated with heat tracing to prevent freezing. Water piping will be buried below the frost line.

The project includes three existing ponds which will be re-lined and used to handle excess solutions from the process. Solution collected in these ponds will be returned to the system as soon as practical.

1.11 Infrastructure

Existing infrastructure from past operations and current exploration includes a paved and gravel site access road from Dawson City, various site roads, heap leach pad, process solution ponds (partially reclaimed), recently expanded man camp facilities with capacity for up to 100 people, administrative building (originally maintenance shop), sewage disposal system, diesel and gasoline storage tanks and diesel generator. The project site is accessible year-round from Dawson City by paved and gravel roads which include 40 km on the paved Klondike highway, 8 km on the Dempster highway, 20 km on the upgraded North Fork Road and a 6 km gravel road to the mine site. The access road is in good condition and is partially maintained by the Yukon Government.

Power supply for the Brewery Creek Project will be generated on site using four each 1,100 kW diesel generator units. Power will be distributed at 4160 V, 3 phase, 60 Hz by overhead powerlines and will be stepped down to 480 V, 220 V and 110 V as required. The generator system has been sized for the peak estimated demand of 2.4 MW during the primary operating season with consideration for winter operations when only heap irrigation, recovery plant and related processes are operating. The peak demand is estimated based on detailed electrical loads with estimated utilization and demand factors.

Buildings to be constructed for the Brewery Creek project will be prefabricated, insulated steel or fabric buildings. Buildings considered for the project include:

- Administration building (existing)
- Truck shop
- Camp facilities (existing)
- Recovery plant building
- Laboratory building
- Process maintenance workshop

1.12 Capital and Operating Costs

Capital and operating costs for the process and process infrastructure were estimated by KCA. Costs for mining and mining infrastructure were estimated by Tetra Tech. The estimated process and infrastructure costs are considered to have an accuracy of +/-25%. Mining costs are considered to have an accuracy of +/-50%.

The required capital costs have been based on the design outlined in this report. The scope of these costs includes all expenditures for mining, process facilities, infrastructure, and construction indirect costs.

Capital costs have been made primarily using budgetary supplier quotes for all major and most minor equipment as well as contractor quotes for major construction contracts. Multiple quotes were received for most major packages (three or more in most cases). Where project specific quotes were not available a reasonable estimate or allowance was made based on recent quotes in KCA's and Tetra Tech's files or experience with similar installations.

All capital cost estimates are based on the purchase of equipment quoted new from the manufacturer or estimated to be fabricated new. Financing of the mining equipment fleet is considered for this cost estimate.

The total capital cost for the Project is US$134.6 million, including US$11.2 million in working capital and not including reclamation and closure costs, GST (Goods and Service Tax) or other taxes; GST is applied to all costs at 5% and is assumed to be fully refundable. Table 1-3 presents the capital requirements for the Brewery Creek Project.

Table 1-3
Capital Cost Summary

Description	Cost (US$, 000)
Pre-Production Capital	$105,385
Working Capital & Initial Fills	$11,181
Sustaining Capital	18,020
Total excluding GST	**$134,585**

The average operating cost for the Project is US$ 21.45 per tonne processed. The operating costs presented have been developed from first principles and are based upon the ownership of all process production equipment and site facilities, including the onsite laboratory. The owner will employ and direct all operating maintenance and support personnel for all site activities. Table 1-4 presents the LOM operating cost requirements for the Project. GST is not included in the operating costs.

Table 1-4
LOM Operating Cost Summary

Description	LOM Cost (US$/t)
Mining	$11.31
Process & Support Services	$7.62
Site G & A	$2.52
Total	**$21.45**

All costs are presented in fourth quarter 2021 US dollars. Where prices were quoted in Canadian Dollars an exchange rate of 0.78 CAD:1 US$ was used.

1.13 Economic Analysis

Based on the estimated preliminary production schedule, capital costs and operating costs, a cash flow model was prepared by KCA for the economic analysis of the Brewery Creek Project. All information used in this economic evaluation has been taken from work completed by KCA and other consultants working on this project as described in this Report.

The project economics were evaluated using a discounted cash flow (DCF) method, which measures the Net Present Value (NPV) of future cash flow streams. The final economic model was developed by KCA with input from Sabre Gold based on the following:

- The cash flow model is based on the preliminary mine production schedule from Tetra Tech.
- The period of analysis is 11 years including one year of investment and pre-production, 8 years of production and two years or reclamation and closure.
- Gold price of US$1,700/oz.
- Processing rate of 9,000 tpd.
- Seasonal crushing and stacking with year-round leaching.
- Overall LOM average recovery of 75.4% for gold.
- An exchange rate of 0.78 CAD$ to US$ 1
- Capital and operating costs as developed in Section 21.

The Project economics based on these criteria from the cash flow model are summarized in Table 1-5.

Table 1-5
Economic Analysis Summary

Economic Analysis		
Internal Rate of Return (IRR), Pre-Tax	33.5%	
Internal Rate of Return (IRR), After-Tax	27.6%	
Average Annual Cashflow (Pre-Tax)	$44	M
NPV @ 5% (Pre-Tax)	$160	M
Average Annual Cashflow (After-Tax)	$36	M
NPV @ 5% (After-Tax)	$112	M
Gold Price Assumption (US$/Ounce)	$1,700	/Ounce
Pay-Back Period (Rears based on After-Tax)	2.6	Years
Capital Costs (Excluding VAT)		
Initial Capital	$105	M
Working Capital & Initial Fills	$11	M
LOM Sustaining Capital	$18	M
Operating Costs (Average LOM)		
Mining	$11.31	/tonne processed
Processing & Support	$7.62	/tonne processed
G&A	$2.52	/tonne processed
AISC	$966	/Ounce
Production Data		
Life of Mine	8	Years
Mine Throughput, average	2,480,000	TPY
Metallurgical Recovery Au (Overall)	75.4%	
Average Annual Gold Production	60,000	Ounces
Total Gold Produced	473,180	Ounces
LOM Strip Ratio (W:O)	4.03	

A sensitivity analysis on gold price, operating costs and capital costs was performed on the project economics with the relative sensitivity of these parameters being presented in Figure 1-1.

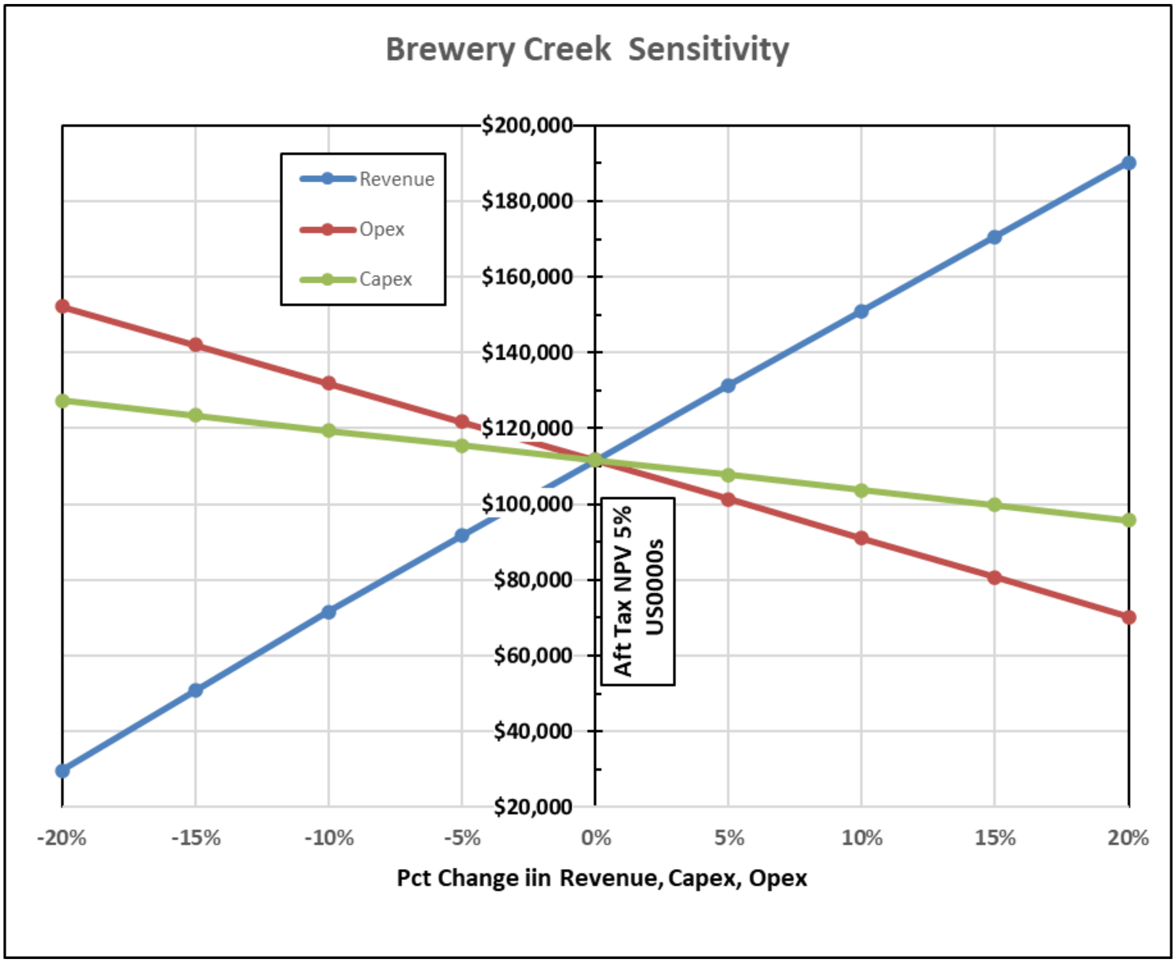


Figure 1-1 After Tax NPV @ 5% vs. Revenue, Capital Cost and Operating Cost

1.14 Conclusions, Opportunities and Risks

1.14.1 Conclusions

The Brewery Creek Project is a previously operating mine located in the Yukon Territory, Canada. The Project is accessible year-round from Dawson City by a mostly paved access road and has maintained some of the infrastructure from the original operations which are currently supporting new exploration at the project site.

Mineral Resources, including Inferred Resources, were considered in all phases of the mining evaluation from pit optimization through design and production scheduling. To accurately capture additional waste generated by the modifying factors in pit design, the Resource model was re-blocked to 10 x 10 x 6 m blocks, and any blocks not containing estimated data were considered waste. The preliminary pit designs recover 92% of the mineralized material tonnes and 80% of the contained ounces shown in the pit optimization results. The variance between the optimization results and the designs is due to access requirements and terrain constraints.

Mineralized material will be crushed in three stages to 80% passing 19 mm at an average rate of 9,000 tonnes per day. Crushed material will be conveyor stacked onto the leach pad and leached using a low concentration sodium cyanide solution. The resulting pregnant leach solution will be processed in an ADR plant for the recovery of gold. Overall recovery for gold is estimated at 75.4% with an overall estimated cyanide consumption of 0.27 kg/t material processed and lime consumption of 2.4 kg/t material processed. Cement agglomeration is not required for heap permeability or stability for heap heights up to 60 m.

The work that has been completed demonstrate that the Brewery Creek Project is potentially an economically viable project and justifies additional work.

1.14.2 Opportunities

Key opportunities to the Brewery Creek Project include:

- Exploration drilling to expand the leachable mineral resource with several prospective targets identified
- In-fill drill the areas of inferred resource in the deposits analyzed in this PEA to upgrade them to Measured and Indicated levels of confidence for future conversion to reserves
- New leach pad locations should be investigated to accommodate material from additional deposits as they are brought into minable status.
- Further evaluation of the potential of the sulphide material at depth in all the deposits. Preliminary metallurgical testing has shown good recoveries of gold can be obtained by a flotation process.
- Continue expanding and upgrading resources at 3 oxide deposits not included in the PEA, Classic, Lonestar and Sleeman.
- Conduct trade off study for contract mining versus owner mining to potentially reduce up front capital and enhance LOM economics.
- Conversion of Inferred Mineral Resources into Measured and Indicated Resources could increase the quantity of mineralized material available for possible conversion into Mineral Reserves. This may increase the economic viability of a Mineral Reserve for the project, if a more detailed level of study is undertaken.
- Additional refinement of the geo-metallurgical recovery model may benefit the level of confidence in the mining and processing plans for the project.
- Increased levels of detail in geotechnical and hydrogeological data will allow for pit designs to be performed at a higher level of confidence in the areas of safety and feasibility of

extraction. Increasing the confidence that material contained within the pit designs can be used to demonstrate potential economic viability and future conversion to Mineral Reserves.

- Identification of opportunities to further refine and reduce the project's operating costs can result in a net positive benefit to the economics of the project due to the impact operating cost has on the cut-off grade.
- Recent Metallurgical test work suggests that the material may not require three-stage crushing, which would reduce capital and operating costs for the project.
- Select material from the existing leach pad may be crushed and re-leached for the recovery of gold values.
- Environmental monitoring programs could be executed in collaboration with members of the THFN including providing training in collection and documentation practices as required.
- Evaluation of alternative techniques for managing process material and waste rock geochemistry (e.g., saturated rock fill, impermeable cover) that could limit the risk of exceeding water chemistry permit levels could be completed during future project phases.
- Evaluation of passive/semi-passive treatment technologies (e.g., biochemical reactor cells, constructed wetlands) that could facilitate metal removal and heap leach detoxification.

1.14.3 Risks

Sabre does not currently hold a mining license for the property as the former mining licenses expired on 31 December 2021. A new proposal will be submitted to the Yukon Environmental and Socio-Economic Assessment Board (YESAB) in early 2022, and the risk of not receiving the license is considered small.

Technical risks to the Brewery Creek Project include:

1.14.3.1 Mining

- This PEA includes Measured, Indicated and Inferred Mineral Resources; Mineral Resources are not Mineral Reserves and do not have demonstrated economic viability. This PEA also includes Inferred Mineral Resources that are too speculative for use in defining Reserves.
- The mine designs were based on a geo-metallurgical recovery model, which may be refined as additional data is available. Changes in the model can affect the mine design and production schedule.

- Geotechnical and hydrogeological data used for this Report are at varying levels of detail. Additional studies may affect pit design parameters and reduce the mining recovery of the Resource.
- Project economics are sensitive to changes in the Mine OPEX and metal prices. Increase in OPEX or reduction in metal price can affect the cut-off grade and the overall economics of the project.

1.14.3.2 Metallurgy & Process

- The Brewery Creek project has known preg-robbing material which may reduce the overall heap performance and recovery if placed on the heap. Preg-robbing material is predominately hosted in sedimentary rocks and there is a strong visual difference between the sedimentary and intrusive rocks at Brewery providing easy visual control during mining if sediments are encountered. Use of cyanide soluble gold content with material cut-off grade will also reduce the amount of preg robbing material being processed in the heap.
- The Project assumes the existing leach pad liner is intact and the solution collection system is functional. There is a risk that one or both of these systems may have been damaged over time which would result in considerable costs or possibly the abandonment of the heap. Every effort will be made to avoid damaging the heap during reclamation activities including leaving a 3 m buffer (2 m heap material, 1 m pad cover) of material above the liner undisturbed.
- It is assumed that the material on the existing heap is inert and may be moved off containment. If additional characterization or containment considerations are required there may be delays and additional costs associated with the project.

1.15 Recommendations

1.15.1 KCA Recommendations

KCA recommends the following future work for process and infrastructure development:

- The project should proceed to the pre-feasibility or feasibility study level.
- Metallurgical test work on coarse crushed material (P_{100} 38 mm, P_{100} 50 mm) to evaluate if three stage crushing is required.
- Complete geotechnical and stability analysis for 60 m heap stacking height.
- Perform additional characterization work on heap residue to determine if any potential contaminants could be released.

Total estimated cost for work recommended by KCA is US$650,000.

1.15.2 Tetra Tech Recommendations

Tetra Tech has the following recommendations for the mine design and plan:

- Complete a Pre-Feasibility or Feasibility level design for all pit areas, including a more detailed plan for the first three years, and incorporating any additional drilling and design information.
- Tetra Tech recommends additional geotechnical analysis be performed, where appropriate, to support mine and waste rock dump designs.
- Consider additional drilling to convert Inferred Resources to Measured or Indicated Resources, to generate an updated Resource model.
- Continue water monitoring at the site and create a numerical hydrogeological model. Additionally, generate a hydrogeological field program for the areas of Big Rock (East and West), as well as Schooner and Bohemia.
- Tetra Tech recommends that a PEA-level economic scenario be generated using contract mining.

Total estimated cost for work recommended by Tetra Tech is US$1.3 million.

1.15.3 Gustavson Recommendations

Gustavson recommends for improving the mineral resource and recovery models:

- All additional drilling be analyzed with both fire assay and bottle roll testing.
- The level of bottle roll testing be developed to a level to quantify the economic risk from variability in recoveries.
- Infill drilling will be used to feed the models for estimation and classification of both grade and recovery.

Total estimated cost for work recommended by Gustavson is US$2.1 million.

1.15.4 Wood Recommendations

Wood recommends for the environmental and permitting activities:

- Install groundwater monitoring well west of heap leach and adjacent to Carolyn Creek to facilitate characterizing groundwater around the heap.

- Install groundwater monitoring well east of heap leach and upgradient of Laura Creek to facilitate characterizing groundwater around the heap and evaluate the potential for subsurface flow from the heap discharging to Laura Creek.
- Develop Trigger Action Response Plans (TARPs) for parameters of concern (POCs) including Ammonia, Antimony, Arsenic, Bismuth, Total Cyanide, Mercury, Selenium, Weak Acid Dissociable Cyanide, and Zinc to define actions required to address elevated POC concentrations
- Establish and operate three air quality monitoring stations with two stations located downwind of refinement infrastructure and where heavy equipment will be operated and one station at a cross-wind location to capture background conditions.

Total cost for work recommended by Wood is US$590,000

2.0 INTRODUCTION

2.1 Introduction and Overview

This NI 43-101 compliant Technical Report is issued to Sabre Gold Mines Corp. (Sabre or Sabre Gold) and is in compliance with disclosure and reporting requirements set forth In the Canadian Securities Administrators' current "Standards of Disclosure for Mineral Projects" under the provisions of NI 43-101, Companion Policy NI 43-101 CP and Form NI 43-101F1. This Report supersedes a National Instrument 43-101 Technical Report prepared by Gustavson Associates for Golden Predator dated 05 October 2020 titled "NI 43-101 Technical Report on Resources, Brewery Creek Project, Yukon, Canada".

Much of the work completed on this PEA was conducted on behalf of Golden Predator Mining Corp (TSX.V: GPY). GPY merged with Sabre Gold (formerly Arizona Gold Corp.) in August 2021. Sabre Gold is listed on the TSX Exchange (TSX: SGLD).

2.2 Project Scope and Terms of Reference

2.2.1 Scope of Work

Golden Predator (now Sabre Gold) commissioned KCA to evaluate the Brewery Creek Heap Leach Project to a PEA level with several elements meeting PFS and FS standards. This Report is led by KCA and incorporates work from other groups including Gustavson for resource development and historical work, Tetra Tech for mine development and costs, and Wood for environmental sections and the site water balance. A more detailed scope description for each group is included below.

KCA's scope of work for the project is summarized as follows:

- Review of current and historical metallurgical tests and interpretation,
- Process design and recovery methods,
- Infrastructure design,
- Infrastructure and process capital and operating costs,
- General and administrative (G&A) costs with input from Sabre Gold,
- Economic analysis, and
- Overall report preparation and compilation.

Gustavson's scope of work for the project is summarized as follows:

- Property description including geology and mineralization, location, access, physiography, claim ownership and surface rights ownership,
- Audit the drill hole database for the Brewery Creek deposit,
- Develop the Mineral Resource block model for the deposits,
- Estimate Mineral Resource.

Tetra Tech's scope of work for the project is summarized as follows:

- Estimate minable Resource,
- Develop a preliminary mine plan for the open pits, and
- Mining capital and operating costs.

Wood's scope of work for the project is summarized as follows:

- Review and update environmental report sections,
- Develop a site wide water balance.

The scope of this report also includes a study of information obtained from public documents; other literature sources cited; and cost information from public documents and recent estimates from previous studies conducted by KCA.

2.2.2 Terms of Reference

The units of measure presented in this report, unless noted otherwise, are in the metric system. The currency used for all costs is presented in US Dollars (US$), unless specified otherwise. The costs were estimated based on quotes and cost data received during the 2nd Quarter 2020, which have been inflated for 4th Quarter, 2021. For most major equipment packages, construction contracts and infrastructure items multiple quotes were obtained. Where costs were provided in Canadian Dollars (CAD$) an exchange rate of 0.78 CAD$: 1 US$ was used.

The economic evaluation of the Project has been conducted on a constant dollar basis (Q4 2021) with a gold price of US$ 1,700 per ounce for the Base Case. Economic evaluation is done on a Project Basis and from the point of view of a private investor, after deductions for royalties, income taxes.

2.3 Qualifications of Consultants and Site Visits

Qualified Persons (QP), as defined by NI 43-101, responsible for this report are:

- Mr. Caleb Cook, P.E., Project Engineer, Kappes Cassidy Associates
- Mr. Donald Hulse, P.E., SME-RM, Vice President, Gustavson
- Dr. Guillermo Dante Ramírez-Rodríguez, PhD, MMSAQP, Principal Mining Engineer, Tetra Tech
- Dr. Mario Bianchin, PhD, P. Geo, Principal Hydrogeochemist, Wood Canada Limited

Mr. Cook is responsible for Sections 2, 13, 17, 18, 19, 22, 28 and parts of Sections 1, 21 and 24 through 27. Mr. Hulse is responsible for Sections 3 through 12 except 4.4 and 4.5, 14, 23 and parts of Sections 1 and 24 through 27. Mr. Chris Emanuel of Gustavson provided the pit limit analysis and the tabulation of the Mineral Resource statement. Dr. Ramírez-Rodríguez is responsible for Sections 15, 16 and parts of Sections 1, 21 and 25 through 27. Dr. Bianchin is responsible for Section 20 and parts of Sections 1, 4 and 24 through 27.

Mr. Cook visited the site on October 3rd, 2019. During his site visit he reviewed the existing leach pad and other site facilities.

Mr. Hulse visited the site on September 30 through October 2, 2019. During the site visit, he examined rocks, structures and contacts in the Lucky, Golden, Kokanee and Blue pits, examined and photographed drill sites and examined drill core, referencing mineralized intervals to corresponding intervals in the drillhole database.

Dr. Ramírez-Rodríguez visited the site 8 September 2021. During this time, he visited the existing and targeted pit locations, haul roads, heap leach and other site facilities.

Dr. Bianchin visited the site on 24 September 2020. During his site visit he reviewed the heap leach facility, including the three associated process ponds, meteorological monitoring station, reclaimed areas and groundwater wells.

2.4 Frequently Used Acronyms, Abbreviations, Definitions and Units of Measure

All costs are presented in United States dollars. Units of measurement are metric. Only common and standard abbreviations were used wherever possible. A list of abbreviations used is as follows:

Distances:	mm	– millimeter
	cm	– centimeter
	m	– meter
	km	– kilometer
	mbgl	– meters below ground level
	masl	– meters above sea level
Areas:	m^2 or sqm	– square meter
	ha	– hectare
	km^2	– square kilometer
Weights:	oz	– troy ounces
	Koz	– 1,000 troy ounces
	Moz	– 1,000,000 troy ounces
	g	– grams
	kg	– kilograms
	T or t	– tonne (1000 kg)
	Kt	– 1,000 tonnes
	Mt	– 1,000,000 tonnes
Time:	min	– minute
	h or hr	– hour
	op hr	– operating hour
	d	– day
	yr	– year
	Ma	– Mega-annum (one million years)
Volume/Flow:	m^3 or cu m	– cubic meter
	m^3/h	– cubic meters per hour
	L/s	– liters per second
Assay/Grade:	g/t	– grams per tonne
	kg/t	– kilograms per tonne
	g Au/t	– grams gold per tonne
	g Ag/t	– grams silver per tonne
	g Cu/t	– grams copper per tonne
	ppm	– parts per million;
	ppb	– parts per billion
Other:	TPD or tpd	– metric tonnes per day
	ktpy	– 1,000 tonnes per year
	$m^3/h/m^2$	– cubic meters per hour per square meter
	Lph/m^2	– liters per hour per square meter
	$L/s/km^2$	– liters per second per square kilometers
	g/L	– grams per liter
	Ag	– silver

As	– arsenic
Au	– gold
Ba	– barium
Hg	– mercury
Pb	– lead
Sb	– antimony
Zn	– zinc
US$ or $	– United States dollar
CAD$	– Canadian dollar
NaCN	– sodium cyanide
TSS	– total suspended solids
TDS	– total dissolved solids
DDH	– diamond drill boreholes
LOM	– life of mine
kWh	– Kilowatt-hours
P_{80}	– 80% passing
P_{100}	– 100% passing
CMU	– concrete masonry unit
HLP	– heap leach pad
TSX	– Toronto Stock Exchange
Owner	– Sabre Gold
M	– mesh

3.0 RELIANCE ON OTHER EXPERTS

All of the work summarized above was prepared under the supervision of a Qualified Person or has been reviewed and approved by a Qualified Person. The authors would like to acknowledge those who assisted in the study as "non-Qualified Persons" and their respective inputs.

For mineral tenure information, Gustavson has reviewed the spreadsheet documents entitled "2019 Brewery Claims" and "2019 Brewery Lease," provided by GPY (now Sabre), dated November 18, 2018, and Gustavson is relying on this information that all the claims are current.

Except for the purposes legislated under provincial securities laws, any use of this report by any third party is at that party's sole risk.

4.0 PROPERTY DESCRIPTION AND LOCATION

4.1 Property Description and Location

The Brewery Creek Project consists of an area of 181 square kilometers (km^2), located in the northwestern Yukon, approximately 55 kilometers (km) due east of Dawson City (Figure 4-1). The property is centered at Latitude 64.042° N and Longitude 138.206° W or UTM NAD83 Zone 7N at 636,400 meters (m) E; 7,104,700 m N. The property is accessible by paved and gravel roads from the junction of the North Klondike and Dempster Highways.

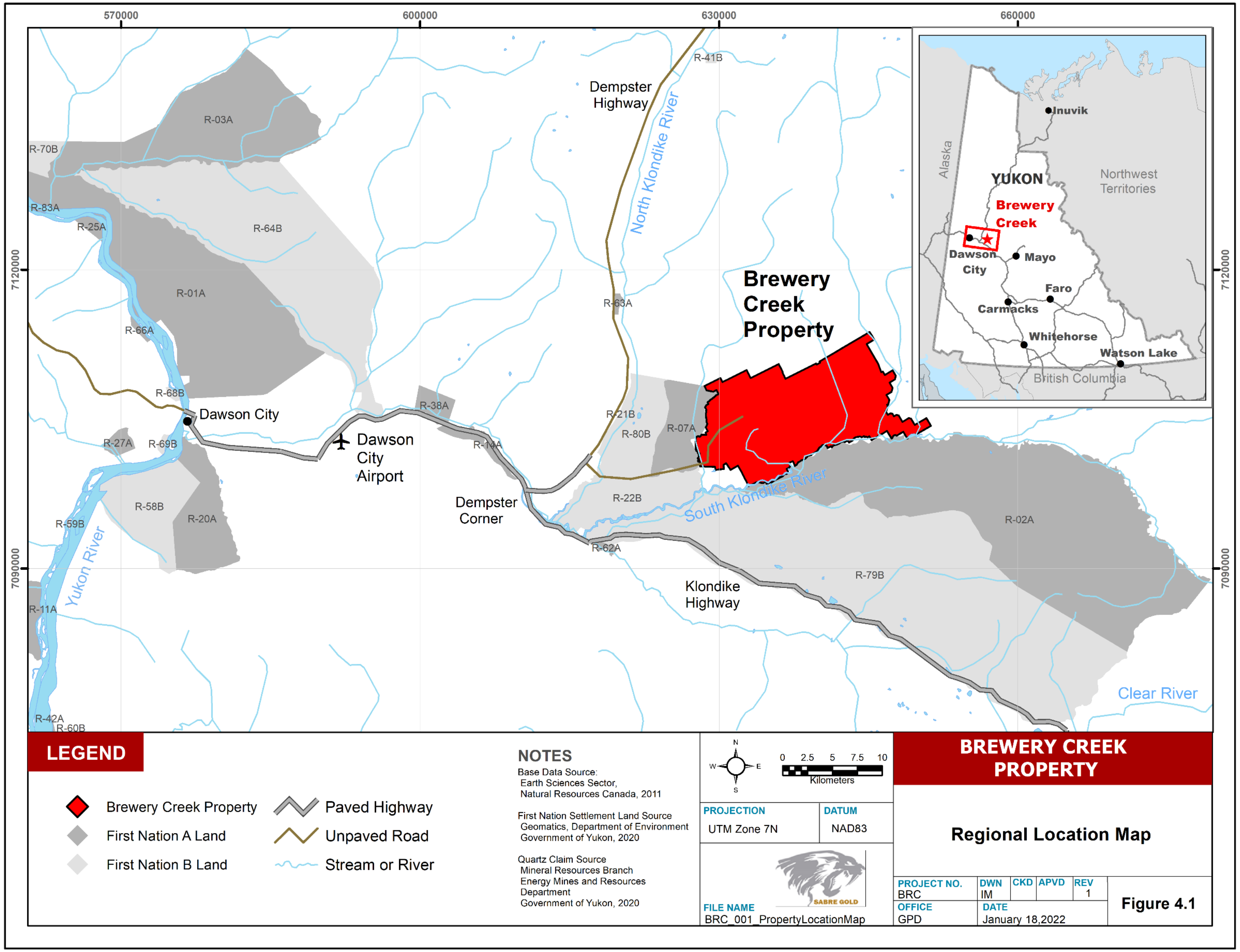


Figure 4-1 Site Location Map, Source: GPY (2013)

4.1.1 Nature and Extent of Issuer's Interest

4.2 Mineral Titles

The property consists of a total of 1,075 quartz claims, 93 of which have been converted to mining leases. Areas of claims and leases are shown on Figure 4-2. The list of mining claims is provided in Appendix A.

In 2016 Golden Predator Mining Corp., a predecessor corporation to Sabre Gold, and Tr'ondëk Hwëch'in First Nation (THFN) signed an Amended and Restated Socio-Economic Accord with respect to the Brewery Creek project. The Amended and Restarted Socio-Economic Accord updated the previous agreements from 1996 and 2012. Key aspects of the existing agreement include:

- THFN support for the Project
- THFN endorsement for the Company's permitting applications, with a clear process for THFN to review and provide input prior to filing, and a mechanism to expeditiously address and resolve any concerns THFN may have
- A consistent and clear process for communication on all matters pertaining to the Brewery Creek Project and resolving any disputes that may arise
- Preferential employment and economic development opportunities for THFN businesses and citizens
- THFN acquiring an equity interest in the Company, and participating in profit sharing from operations beyond the original Viceroy mine plan
- Funding for training and scholarships for THFN citizens
- An annual grant to a community legacy project for the broader community of Dawson

Gustavson has not independently verified the legal status or title of the claims and has not investigated the legality of any of the underlying agreement(s) that may exist concerning the Brewery Creek Project

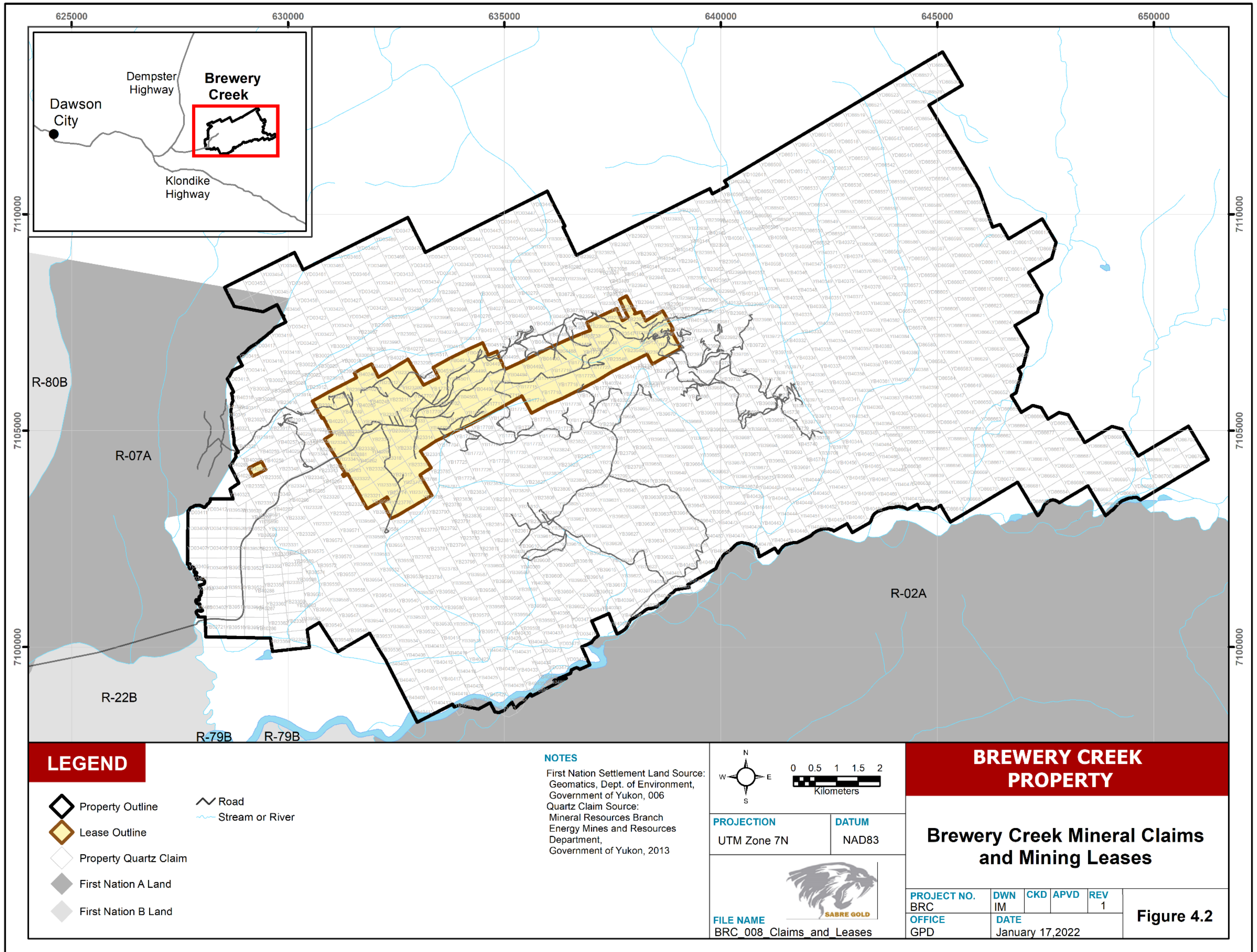


Figure 4-2 Areas of Mineral Claims and Mining Leases, Source: GPY (2013)

4.2.1 Nature and Extent of Issuer's Interest

Sabre Gold holds 100% interest in all 1,075 quartz claims and mining leases.

4.3 Royalties, Agreements and Encumbrances

4.3.1 Wheaton Precious Metals Corp.

In February 2012, a Sabre Gold predecessor company signed a Purchase Agreement with Alexco Resource Corp whereby Sabre would acquire a 100% interest in the Brewery Creek Project; the purchase was finalized in September of 2012. For the first 600,000 ounces of gold produced from 793 claims, Sabre will pay a 2% net smelter return (NSR) to Alexco. For additional gold produced in excess of 600,000 ounces, GPY is obligated to a 2.75% NSR to Alexco. Sabre has the right to repurchase 0.625% of the increased royalty by paying Alexco $2,000,000.

Effective January 4, 2021 Alexco assigned all of its right, title and interest under the Royalty Agreement to Wheaton Precious Metals Corp.

4.3.2 Energold Royalty

Sabre Gold is obligated to a 5% Net Profits Royalty (NPR) to Energold for gold produced from 781 claims, in accordance with Noranda (1989) and Alexco (2005). Royalty boundaries are shown in Figure 4-3.

A prior Franco-Nevada Royalty was discharged on April 30, 2019. A prior Americas Bullion Royalty Corp. NSR was eliminated as well.

4.3.3 THFN Royalty

Americas Bullion Royalty Corp (AMB), a predecessor corporation to Sabre Gold, and Tr'ondëk Hwëch'in First Nation (THFN) signed an Amended and Restated Socio-Economic Accord which includes a royalty of 2.5% NPR to the Tr'ondek Hwech'in First Nation ("THFN") on areas outside the existing mining permits of the Brewery Creek project.

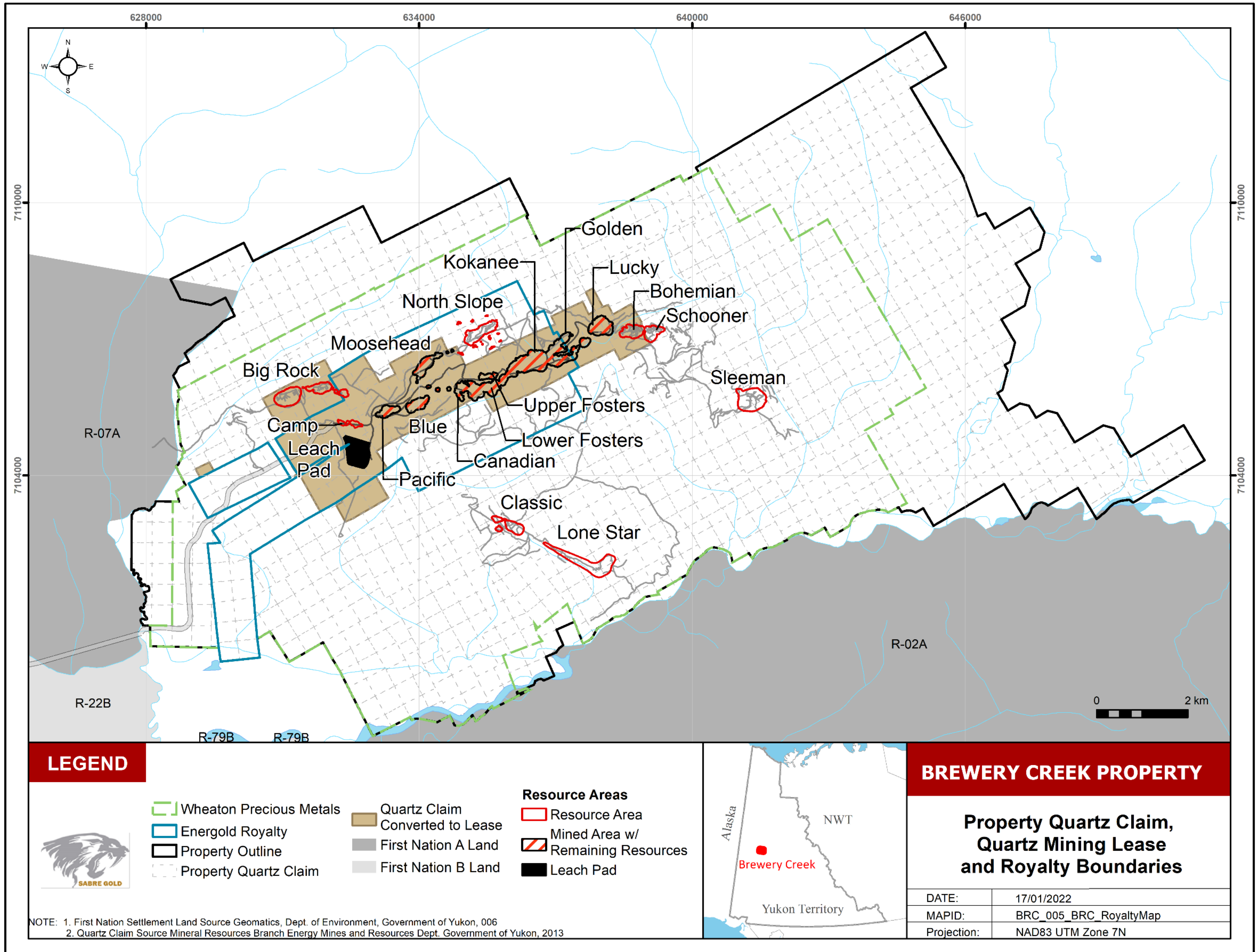


Figure 4-3 Royalty Boundaries

4.4 Environmental Liabilities

A site plan showing the Brewery Creek Project area is provided on Figure 4-4.

4.4.1 Environmental Liabilities from Past Mining Activities

Potential environmental impacts from past mining operations are managed under an environmental monitoring bond. Sabre has worked with Yukon Minerals Branch to determine if any significant environmental liabilities were and/or are present at the site. A final agreed upon monitoring bond of $1,668,000 CAD is in place as a proactive measure to ensure the site remains environmentally stable. The Reclamation Security Release Agreement (RSRA) is still in place as an instrument to ensure both the interests of the environment, the Company and the Yukon Minerals Branch are protected.

Gustavson notes that Sabre Gold is fulfilling permit requirements for monitoring and reporting to Agencies and that no significant environmental liabilities from past mining operations were identified in its review of the most recent annual report (Golden Predator, 2019).

4.4.2 Current Environmental Liabilities

In 2019 Sabre determined an accurate determination of the heap composition and depth was required to support future mining studies. The vegetative cover material from the heap was carefully removed to protect the root stock and stockpiled for reclamation use. Holes were drilled to determine the composition, constituents, and integrity of the material on the heap. During this investigation, Sabre took it upon themselves to increase environmental monitoring of the nearby watercourses that could receive surface water and/or groundwater originating from the heap to confirm through laboratory analysis the exposure of heap material and/or disturbance of vegetative cover was not impacting the surrounding environment (watercourses).

The Energy, Mines and Resources (EMR) branch of the Yukon Government was concerned that the material would not be replaced prior to the expiration of the license on 31 December 2021 and issued a directive to return the vegetative material back upon the heap. This vegetative cover material was redistributed on the heap and seeded between July and October 2021. However, due to the lateness of the season, the large amount of precipitation occurring at site, and COVID, EMR could not confirm the heap had been contoured and seeded properly. EMR does acknowledge the work completed thus far and will remove the directive when stability and seed germination is confirmed.

There are no significant outstanding environmental liabilities remaining from the former mining operation. During 2018, 2019 and 2020 GPY (now Sabre Gold) conducted reclamation activities of various drill pads and legacy drill roads at the Brewery Creek Project area. These areas have been inspected numerous times by Sabre Employees and Energy Mines and Resources and other than mobilization of sediments during high velocity events, the site remains sound.

In August 2019, and September 2020 the Government of Yukon's Environment, Water Resources Branch conducted an inspection of the Brewery Creek Project area. As stated in the subsequent reports the compliance stations are meeting the water use license criteria.

During Gustavson's review of permit and associated reports submitted to agencies pursuant to report requirements, Gustavson concludes that Sabre's environmental liabilities are well-managed and conducted generally in accordance with permit requirements. Sabre Gold is in good standing with regulatory agencies for environmental compliance.

The following additional environmental studies have been commissioned and completed as of the Effective Date of this report.

- Baseline Environmental Assessments for the Brewery Creek Property, 2021 Environmental Dynamics Inc.
- Geochemical Characterization of Bohemian Schooner Waste Rock, 2021 Ensero Solutions
- Geochemical Characterization of Lower Fosters Waste Rock, 2021 Ensero Solutions
- Hydrogeological Fieldwork Report Brewery Creek Mine, Yukon, 2021 Tetra Tech Canada Inc.
- Water and Mass Balance Model, Brewery Creek Mine, 2021, Wood Environment and Infrastructure Solutions
- 2021 Geotechnical Site Investigation & Geotechnical Pre-Feasibility Study for the Proposed Bohemian, Schooner, West Bug Rock, East Big Rock and Keg Mine Pits at the Brewery Creek Property, Yukon, 2021, Tetra Tech Golden Colorado
- Water Resources Assessment Brewery Creek Mine, 2020 Wood Environment and Infrastructure Solutions
- Updated Hydrogeology Baseline Assessment Brewery Creek Mine, Yukon, 2016 Tetra Tech EBA Inc.
- 2016 Geotechnical Site Investigations & Geotechnical Pre-Feasibility Study for the Proposed Kokanee, Golden and Lucky Mine Pits at the Brewery Creek Property, Yukon, 2016, Tetra Tech EBA Inc.
- Memorandum regarding Brewery Creek Surface Water Hydrology. Prepared by Access Consulting Group, dated December 28, 2012.
- Heritage Resource Protection Plan, 2017 prepared by Stantec.

- Draft Brewery Creek Mine Reactivation Project, Terrestrial and Aquatic Resources – Existing Conditions Report. Prepared by Access Consulting Group, dated December 2012.
- Socio-Economic Assessment 2012. Prepared by Eco for Consulting BC Ltd, dated January 7, 2013.
- Memorandum regarding Geochemical Characterization Program, Bohemian/ Schooner (BS) Proposed Preliminary Pit Area. Prepared by Access Consulting Group, dated June 5, 2012.
- Memorandum regarding Geochemical Characterization Program, Lower Foster South East (LF-SE) Proposed Preliminary Pit Area. Prepared by Access Consulting Group, dated June 5, 2012.
- Memorandum regarding Geochemical Characterization Program, Lower Foster Zone. Prepared by Access Consulting Group, dated May 1, 2012.
- Memorandum regarding Brewery Creek Site Meteorological Data Summary, Lower Foster Zone. Prepared by Access Consulting Group, dated January 12, 2013.
- Technical Memo regarding Brewery Creek Late Winter Moose Survey – Golden Predator. Prepared by Laberge Environmental Services, dated May 7, 2012.
- Letter from EBA to Golden Predator Corp. regarding Hydrogeological Baseline Assessment, Big Rock deposits, Brewery Creek Mine, Yukon. Dated November 29, 2012.
- Technical Memo regarding Groundwater Inflow to Proposed Open Pits (Conceptual Model). Prepared by EBA, dated December 31, 2012.
- Letter from Vista Tek Limited to Golden Predator regarding September 2012 Engineering Inspection – Brewery Creek Mine, dated October 3, 2012.
- Case Study of Brewery Creek (EBA, 2011)
- Brewery Creek Mine Review – MPERG Report (Access, 2009)
- Review of Leach Pad and Leak Detection System (EBA, 2012)
- Waste Rock Deposition Sites Preliminary Options and Volume Estimates (EBA, 2012)
- Brewery Creek Mine Haul Roads (EBA, 2012)
- Solution Management Plan
- Brewery Creek Preliminary Heap Leach Facility Water Balance (EBA, 2012)
- Cyanide Management Plan
- Waste Management Plan
- Emergency Response Plan
- Spill Response Plan
- Waste Rock Management Plan
- Big Rocks Geochemical Characterization Report (Access, 2012)
- Brewery Creek Mine Water Quality Assessment (Access, 2012)
- Brewery Creek Hydrological Conditions Memorandum (Access, 2012)
- Brewery Creek Site Meteorological Data Summary Memorandum (Access, 2012)

- Hydrogeological Baseline Assessment, Big Rock Deposits (EBA, 2012)
- Water Quality Modelling Results (Access, 2012)
- Monitoring, Surveillance and Reporting Plan (Access, 2012)
- Conceptual Adaptive Management Plan (Access, 2012)
- Baseline Environmental Assessments for the Brewery Creek Property (Laberge Environmental Services, 2012)
- Attractant Management Plan for Brewery Creek Property (Access, 2012)
- First Nations and Stakeholders Engagement
- Socio-Economic Assessment
- Brewery Creek Project Economic Effects Analysis
- Heritage Resources Overview Assessment
- Geotechnical Inspection Brewery Creek Mine, Yukon (TetraTech, 2014, 2016, 2018)
- Laura Creek Impact Study (Alexco, 2016, 2019)
- Summary of Groundwater Sampling Event and Field Audit, Brewery Creek Mine Site, September 2019 (Hatfield Consultants, 2019)

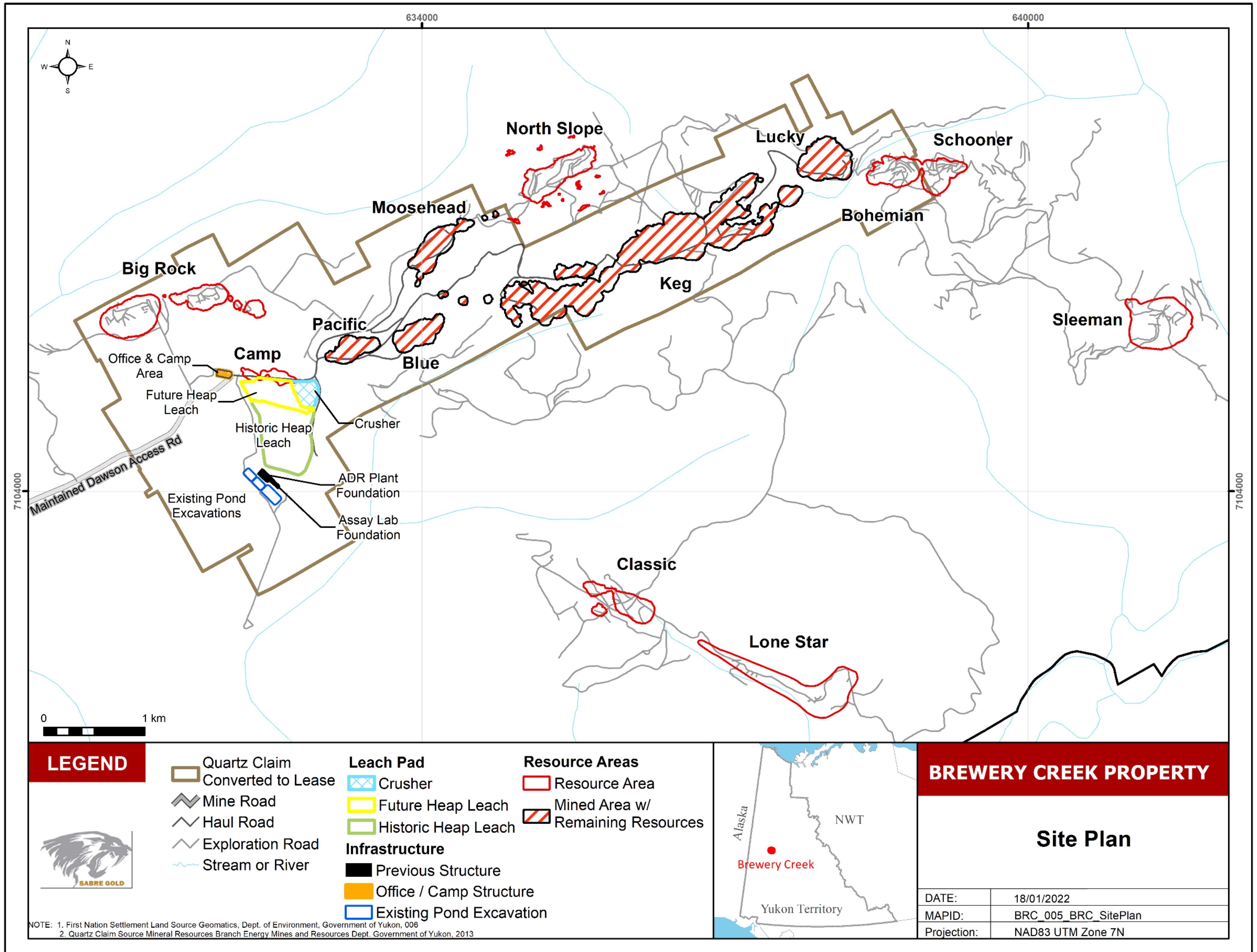


Figure 4-4 Brewery Creek Project Site Plan, Source: GPY (2020)

4.5 Permits

Permits held by Sabre Gold are listed in this section. From discussions with Sabre Gold and based on documents reviewed by Gustavson, permits are in good standing with their respective regulatory agencies.

Licence Type	Date Issued	Expiry Date	Agency Responsible
LQ00364 – Quartz Mining Land Use Permit	July, 2012	July 5, 2022	Yukon Energy, Mines and Resources
MN12-038 – Type B Municipal Water Licence	August, 2012	July 5, 2022	Yukon Water Board
81-047 – Commercial Dump Permit	October, 2019	December 31, 2028	Yukon Environment
2021-19-Fuel Storage Tank System Permit	July 2021	September 2026	Yukon Fire Marshall & Yukon Environment

4.5.1 Class IV Mining Land Use Permit –Exploration

Sabre Gold holds a Class IV Mining Land Use permit LQ00364 that authorizes surface disturbances related to exploration activities such as drill road construction, drill pads, fuel storage, trenching and a 120-person camp. The permit expires on July 5, 2022.

4.5.2 Type B Water Use Permit

Sabre Gold holds a Type B Water Use License (WUL) MN12-038 permitted by Yukon Water Board: this permit expires on July 5, 2022. The Type B Water Use License allows for operation of a septic system for up to 120 persons and extraction of up to 50 m^3 of water per day for domestic use. This license requires submittal of an annual report by August 6th each year. This permit is in good standing.

4.6 Other Significant Factors and Risks

As the former mining licenses expired on December 31, 2021 Sabre Gold is developing a new project proposal to cover the activities contemplated in the PEA and will submit to the Yukon Environmental and Socio-Economic Assessment Board (YESAB) in early 2022. As Sabre maintains a good relationship with both the THFN and the Yukon Territorial Government, Gustavson believes that the risk of not receiving the new permit in a timely fashion is low and well managed.

5.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES & PHYSIOGRAPHY

5.1 Topography, Elevation and Vegetation

The Property is located in the Ogilvie Mountains immediately north of the Klondike River and west of Lee Creek. Elevations on the property range from approximately 450 meters to 1,200 meters. Relief on the property is generally moderately steep with an area of moderately flat terraces or benches in the southwest corner of the property. The area was not glaciated during the last glaciation period resulting in relatively steep V-shaped valleys incised by the creeks that cross the property. Natural bedrock exposure is generally less than 1% and is restricted to the higher elevation ridges within the property area.

Vegetation on the property consists of four main types. The higher elevations (above 1,050 meters) consist of rounded hills covered with sub-alpine shrubs, grasses and widely spaced coniferous trees. Steep north facing slopes and narrow valley floors are covered with thick blankets of moss with thickets of slope alder and stunted spruce. Steep south facing slopes have two distinct styles of vegetation; coniferous trees with abundant undergrowth and areas of deciduous aspen, poplar and birch with little or no undergrowth.

EBA Engineering (Tetra Tech) undertook a surficial terrain study on the Brewery Creek property in 2012. The results of the study show that all north facing slopes and valley bottoms can be influenced by permafrost. Permafrost in the study area is discontinuous and is probable on lowermost slopes and floors of the moderately steep (50% to 70% gradient) v-shaped stream valleys.

Areas of gentle topography, especially NW facing slopes, and gullies contain loess (fine wind-blown silt) up to 17 meters thick. Observed geomorphological processes include slow soil creep on the middle to lower slopes of some stream valleys and minor sloughing along some eroded stream banks. There were no indications of active rapid mass movement processes observed during the field visits.

5.2 Climate and Length of Operating Season

Located at approximately 64° north latitude, the property is subject to a subarctic climate with average temperatures ranging from 15°C (60°F) in July to -26°C (-16°F) in January with temperatures commonly reaching above 30°C (86°F) in the summer and below -40°C (-40°F) in the winter. Average annual precipitation at the Brewery Creek Project is approximately 325 mm and annually there are approximately 110 frost-free days.

Sabre Gold's field operations generally happen from March through December of each calendar year, depending on weather. This is consistent with the duration of past mining operations. The proposed operating season considered for this Technical Report is March through December.

5.3 Sufficiency of Surface Rights

The area where Sabre holds the surface rights is the same as the claim areas. Gustavson notes that the surface rights are sufficient for foreseeable exploration activities, and they are expected to be sufficient for mining operations.

5.4 Accessibility and Transportation to the Property

The site is accessible year-round from the Klondike Highway connecting Whitehorse and Dawson City, Yukon, Canada. From Dawson City, the drive is approximately 40 kilometers along Klondike Highway (YT-2 South) in the easterly direction, then 7 kilometers north on the all-weather Dempster Highway and then approximately 20 kilometers along the North Fork all-weather access road to the Brewery Creek Project site.

Alternatively, from Whitehorse, Yukon, Canada, the drive is approximately 490 kilometers along Klondike Highway (YT-2 North) in the northwesterly direction, then 7 kilometers north on the all-weather Dempster Highway and then approximately 20 kilometers along the North Fork all-weather access road to the Brewery Creek Project site.

5.5 Infrastructure Availability and Sources

A generalized map showing site layout is shown in Figure 5-1. A more detailed map showing the former heap leach pad area is provided on Figure 5-2.

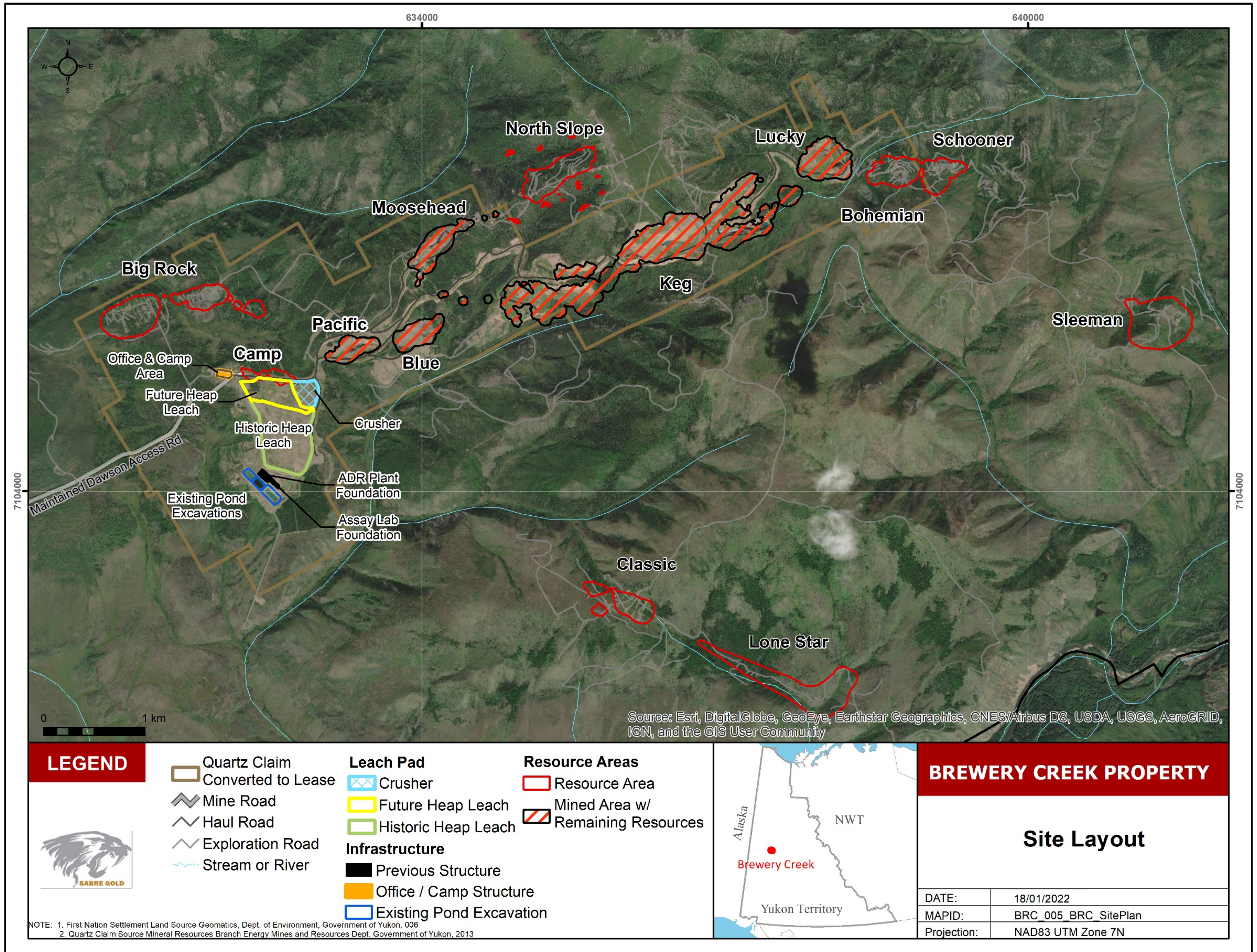


Figure 5-1 General Site Layout, Source GPY (2020)

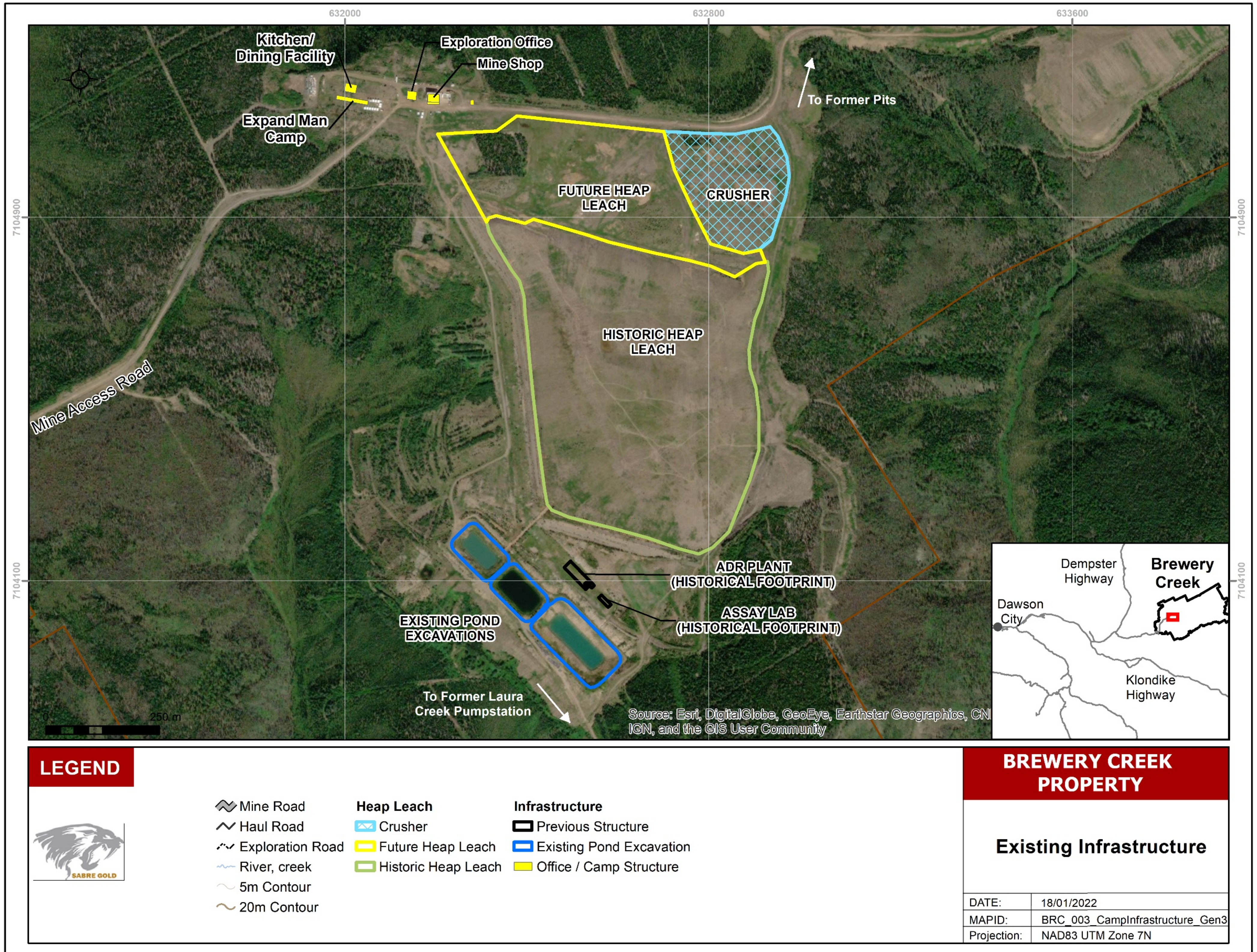


Figure 5-2 Existing Infrastructure, Source GPY (2020)

As shown on Figure 5-2 Existing Infrastructure, Source GPY (2020)
, the former maintenance shop (labeled Exploration Office) was partially dismantled after closure of the previous mining operations and is currently being used as offices and exploration core logging facilities. Accommodations include mobile living quarters in the form of prefabricated trailers. There is capacity for approximately 50 people in these current facilities.

5.5.1 Power

Power is currently supplied by a diesel generator (145 kW) as the site is not connected to the Yukon power grid.

The existing power supply is not expected to be sufficient to support potential future mining operations. GPY previously commissioned an independent conceptual study by BBA, an independent Canadian consulting engineering firm, to estimate the cost of connecting the Brewery Creek Project to the Yukon Energy Corporation (YEC) network. BBA has evaluated conceptual engineering designs and costs which include a tap point substation, transmission and distribution line, and a Brewery Creek Project substation. A potential power line route following existing roadways is approximately 27 km. from the tap point on the main distribution grid to the Brewery Creek Project site.

5.5.2 Water

Sabre holds a Type B Water Use License to obtain and use up to 50 m^3 per day for domestic purposes for 120-person camp and to dispose of the waste water in the approved septic system. Water supply for operations from the Type B Water Use Permit is sufficient for domestic use for current and future exploration and mining activities.

Sabre is submitting a new project proposal to the Yukon Environmental and Socio-economic Assessment Board in 2022 as the first step in obtaining permits for mining and water use associated with mining activities.

5.5.3 Personnel

Skilled labor is available in the nearby B.C. province and Alaska. For future mining operations, the availability of personnel with applicable skills in the Yukon is limited; however, it is expected that skilled workers will gravitate into the area for employment.

5.5.4 Tailings Storage Areas

During past mining operations, material was treated by heap leaching, as further described in Section 5.5.6 below. Future mining is expected to utilize heap leaching as the means for processing, and as such, no tailings storage areas are expected.

5.5.5 Waste Disposal Areas

Existing waste disposal infrastructure consists of a secure dumpster for waste disposal, an incinerator for solid waste, and sewage disposal system. The existing solid waste disposal methods are adequate.

5.5.6 Heap Leach Pad Areas

During previous mine operations, material was treated by heap leaching. The facility was designed for a capacity of approximately 15 million tonnes of material within 10 cells. Capacity for Cells 1 through 6 has been reached and approximately 1 million tonnes of capacity is estimated to remain on Cell 7. In total, Cells 1 to 7 contain approximately 9.5 million tonnes of leached ROM material. The existing Cells 1 to 7 are lined, with a main solution collection ditch (currently filled) along the west edge of the leach pad with flow to process ponds and are surrounded by a containment dike constructed along the south and west edges of the leach pad.

The area for the remaining three cells (i.e., Cells 8, 9, and 10) is 190,000 m^2. GPY commissioned Tetra Tech to design the 3 remaining cells, which has been completed (Tetra Tech, 2013b). Tetra Tech also prepared a preliminary heap leach water balance which called for 21,510 m3 of water during Year 1 of operations (Tetra Tech, 2013a),

5.5.7 Processing Plant Sites

The processing plant from former mining operations was removed and sold. Because the existing leach pad is planned to be reused, for reasons of gravity drainage and operation the processing plant will be in approximately the same location as previously used.

Existing infrastructure at the site were examined by Gustavson and appear to be in good shape and adequate for supporting continuing exploration and development activities.

6.0 HISTORY

6.1 Prior Ownership

The initial claims for the Brewery Creek Project were staked by Noranda Exploration (Norex) in 1987 to cover a reconnaissance geochemical anomaly. Further claims were staked in subsequent years to cover possible extensions of gold mineralization.

In 1989, Norex entered into an agreement with Total Erickson Resources Limited (TERL). TERL provided Norex with $300,000 for exploration, and, in return, TERL earned a 5% net profits royalty (NPR) on 52 of the Brewery Creek Project area claims. In October 1992, TERL assigned its interests, rights, and title to Energold Minerals, Inc.

In September 1992, Hemlo Gold Mines, Inc. (Hemlo) acquired all of Norex's right, title, and interest to the Brewery Creek Project property area, including obligations to TERL. In 1993, Loki Gold Corporation entered into an assignment agreement with Hemlo, thus acquiring all of Hemlo's rights, title, and interest.

In May 1996 Loki and Baja Gold, Inc. joined to form a new company under the name Viceroy Minerals Corporation (Viceroy). Mine commissioning, production, closure and reclamation occurred under Viceroy ownership.

On May 1, 2003, an agreement among Viceroy, 650399 BC Ltd., Spectrum Gold Inc., and NovaGold Canada Inc. (NovaGold) was established in which Viceroy would allow 650399 BC Ltd an option to purchase mineral properties of, other rights to, and assets of the Brewery Creek Project. At this time, 650399 BC Ltd. (BC) was a wholly owned subsidiary of Spectrum Gold Inc. (Spectrum).

A small drilling program was conducted by 650399 BC Ltd. in 2004. Later that year, NovaGold acquired all of the outstanding shares of Spectrum Gold and thus the option for assets of the Brewery Creek Project.

In April 2005, NovaGold relinquished the option for Brewery Creek Project claims and mining leases to Alexco Resource Corporation (Alexco) with a back-in clause following the completion of $700,000 of exploration expenditures by Alexco. NovaGold elected not to participate with this back-in option.

In 2009, Golden Predator signed an option agreement with Alexco whereby Golden Predator had the option to acquire up to 75% interest in 793 quartz claims and mining leases covering 127 km². A Purchase Agreement was signed between Golden Predator and Alexco in February 2012 and the sale was completed in September of 2012 by which Golden Predator purchased 100% ownership in the property.

In 2013 Golden Predator Corp. changed its name to Americas Bullion Royalty Corp. (AMB). Its Canadian exploration assets were moved into a wholly owned subsidiary - Golden Predator Exploration Ltd. (GPE).

In 2014, Northern Tiger Resources Inc. and Redtail Metals Corp. completed a merger and the combined company changed its name to Golden Predator Mining Corp. (GPY). At the same time, GPY acquired all outstanding shares of GPE, including the Brewery Creek Project.

In August of 2021, Golden Predator Mining Corp. merged with Arizona Gold Corp. to form Sabre Gold Mines Corp. Sabre Gold is a North American gold exploration company headquartered in Toronto Canada. The Brewery Creek project is 100% owned by Golden Predator Exploration Ltd a wholly owned subsidiary of Sabre Gold Mines. Sabre Gold is listed on the Toronto stock exchange (TSX) with the symbol SGLD.

6.2 Past Exploration and Development Results

Historical exploration conducted at Brewery Creek Project between 1988 and 2006 included geologic mapping, extensive grid soil sampling, ground and airborne geophysical studies, mechanized surface trenching, and extensive core and reverse-circulation drilling.

6.2.1 Geologic Mapping

Due to rare exposure of the local bedrock, geologic mapping on the site has been restricted primarily to trench and road cut exposures. Scree and soil mapping were also conducted outboard from main exploration zones to develop a coherent and regionally consistent geology map.

A Ph.D. thesis titled The Structural and Hydrothermal Evolution of Intrusion-Related Gold Mineralization at the Brewery Creek Mine, Yukon, Canada, authored by Mark Lindsay was submitted to the James Cook University, North Queensland, Australia, in May 2006. The work presents a detailed account of mineralogy, alteration and structural implications at the Brewery Creek Project. The geologic mapping is discussed in Section 7.2 of this report.

6.2.2 Soil Sampling Surveys

As reported in Diment (2009), over 24,000 soil samples have been collected on the property to date.

- Between 1988 and 1992, more than 8,000 soil samples were collected at 50-meter intervals on 100-meter and 200-meter spaced lines over the mineralized zones. Lines were spaced at 400-meters over the remainder of the property. The samples were analyzed for gold, silver, antimony, arsenic and mercury; two-thirds of these samples were submitted for ICP analysis.
- Between 1994 and 1996, more than 10,500 soil samples were collected across previously sampled portions of the exploration grid. Anomalies were extended south of the Classic zone and west of the Big Rock zones. Soil samples were collected at 25-meter intervals in areas of moderate topographic relief or at 12.5-meter intervals in subdued relief on 100-meter spaced lines. Bedrock and surficial geology were mapped at each sample site.
- In 1997, approximately 6,000 soil samples, at 25-meter intervals on 100-meter spaced lines, were collected to better define anomalous trends in the South Canadian zone.

Soil sampling results through 2009 are displayed on Figure 6-1. The hydrothermal system at the Brewery Creek Project is anomalous in gold, arsenic, antimony, and mercury. Silver is weakly anomalous and erratic; it is associated with zinc in the sedimentary rocks and gold in the epithermal system.

Gold-in-soil anomalies have assisted in discovery of all the known mineralized zones and exploration targets.

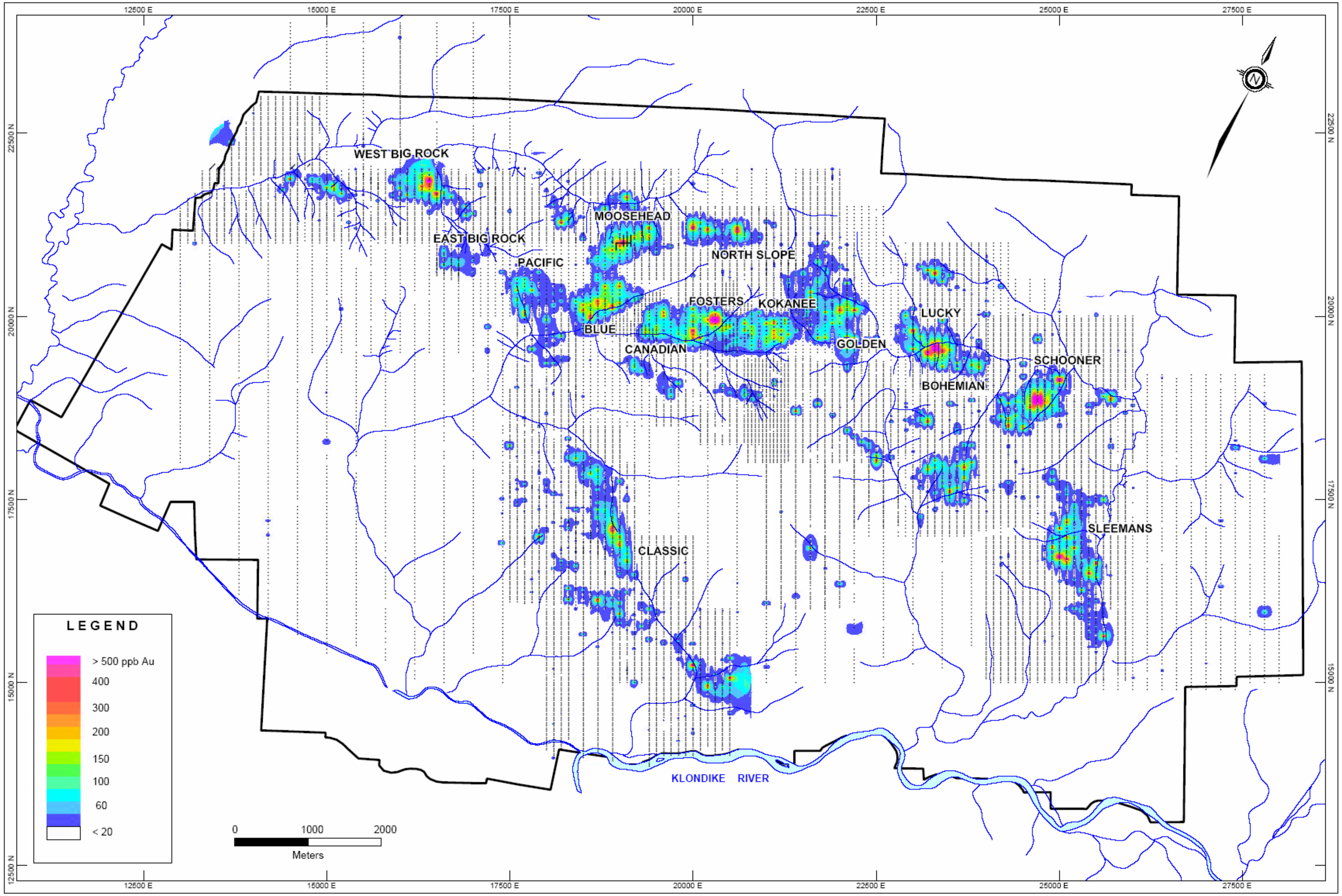


Figure 6-1 Soil Sampling Results – Gold, Source: Diment (2009)

6.2.3 Geophysical Surveys

Geophysical surveys consisted of ground magnetometer and Induced Polarization (IP) surveys conducted between 1989 and 1992 by Norex. In 1998 an airborne magnetometer and radiometric survey was also conducted covering the entire property and adjacent R-7A and R-2A Tr’ondek Hwech'in settlement land. During 2004, 28 km of IP geophysical survey were completed. Results of the 1998 magnetometer and radiometric survey and 2004 IP geophysical survey were not made available to Gustavson.

It is reported that while the airborne and ground magnetometer surveys were useful in delineating Tombstone Suite intrusive centers and their adjacent hornfelsed aureoles, mineralized zones typically lie outboard of or flank these magnetic anomalies. The oxidized, auriferous sills that make up most of the Reserve Trend deposits exhibited a relatively flat magnetic response.
Results of the 2004, twenty-eight-kilometer IP geophysical survey clearly defined two chargeability domains (west-high and east-low) that are separated by a major northwest trending fault. The trace of this structure passes from the Classic Zone to just west of the Pacific production pit. A strong magnetic-high is coincident with the high chargeability anomaly. Sulfide-bearing intrusive bodies and/or hornfelsed, pyrrhotite-bearing strata may possibly explain the high chargeability features whereas the low chargeability terrain to the east may reflect widespread sulfide destruction linked to the main mineralizing event over the mine trend.

6.3 Drilling

A summary of historical drilling conducted from 1989 to 2012 is provided in Table 6-1. Trench and drillhole locations are shown on Figure 6-2.

Table 6-1
Summary of Historical Drilling

Drill Series	Year Drilled	Operator	Drill Type	No. DHs	Total Meters Drilled
RC89	1989	Norex	RC	14	1,704
DD89	1989	Norex	Core	9	1,097
RC90	1990	Loki	RC	309	14,838
DD90	1990	Loki	Core	16	1,090
PQ90	1990	Loki	Core	5	198
RC91	1991	Loki	RC	348	18,007
DD91	1991	Loki	Core	34	1,645
RC92	1992	Loki	RC	19	1,236
RC93	1993	Loki	RC	151	8,542
RC94	1994	Loki	RC	242	10,891
RC95	1995	Loki	RC	317	14,981
DD95	1995	Loki	Core	25	1,200
RC96	1996	Viceroy	RC	271	14,458
DD96	1996	Viceroy	Core	23	2,992
RC97	1997	Viceroy	RC	367	23,045
RC98	1998	Viceroy	RC	219	13,960
DD98	1998	Viceroy	Core	10	662
RC99	1999	Viceroy	RC	53	4,244
BC04	2004	Spectrum	Core	5	770
BC06	2006	Alexco	Core	9	1,171
BC09	2009	GPY	Core	30	4,981
BC10	2010	GPY	Core	13	2,413
RC10	2010	GPY	RC	16	2,352
BC11	2011	GPY	Core	209	31,054
RC11	2011	GPY	RC	135	24,196
BCS11	2011	GPY	Sonic	18	266
BC12	2012	GPY	Core	197	22,227
RC12	2012	GPY	RC	79	9,623
Total				**3,143**	**233,843**

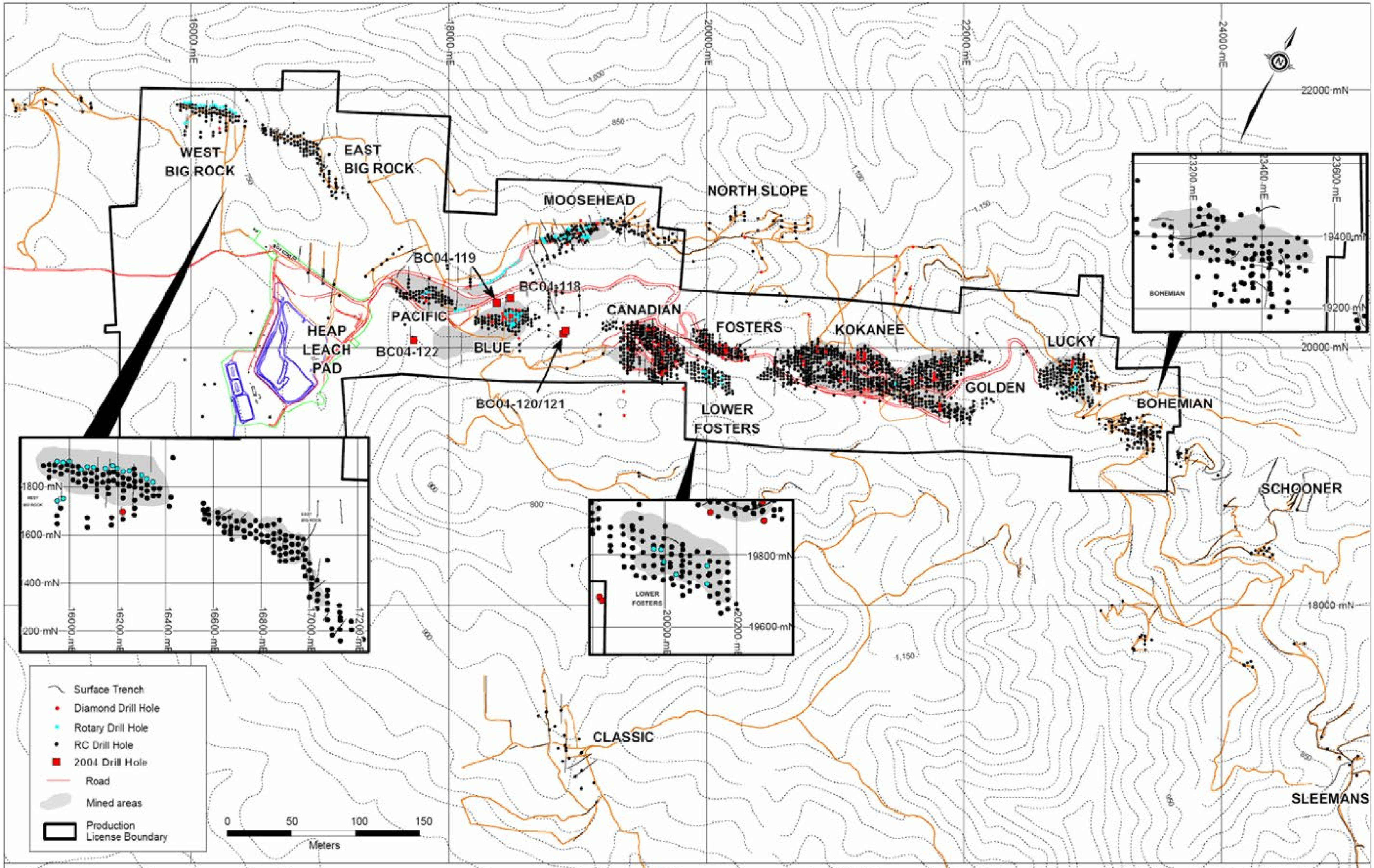


Figure 6-2 Trench and Drillhole Locations, Source: Diment (2009)

6.3.1 Norex (1989)

Norex completed 13 reverse circulation (RC) holes, totaling 1,704 meters, near the current Upper Fosters, Canadian, Blue and Kokanee areas, and 9 diamond drill holes, totaling 1,096.8 meters, near the current Upper Fosters, Canadian and Moosehead areas that were completed by Norex in 1989.

The drilling targeted anomalous soil samples and were generally oriented to the north, across dip of geology. Materials intersected in these holes with significant grades have been removed by previous Viceroy mining operations and are not considered to be relevant to the mineral resource estimate presented in this report.

6.3.2 Loki / Viceroy (1990 – 1999)

Sabre Gold's drill database has records for a total of 2,296 RC holes drilled between 1989 and 1999 amounting to a total of 124,201.6 meters and a total of 113 core holes drilled between 1989 and 1999 amounting to a total of 7,787.7 meters.

The programs were designed as early exploration programs followed by delineation drilling programs for Viceroy resource and reserve development.

Drilling by Loki and Viceroy was generally conducted in combination of vertical and inclined drilling at 25 to 30 meters spacing along fences offset at 20 to 40 meters across the development areas of interest.

Core recovery was inherently low in many of the core holes due to poor integrity of the wall rock sedimentary rocks. As RC drilling was used as the preferred method for deposit delineation, the limited core drilling post 1989 was restricted to geotechnical drilling for pit wall stability studies, deeper sulfide drilling, and twinning of significant RC hole intercepts for grade and thickness comparisons.

6.3.3 Spectrum (2004)

Following mine closure, core drilling was resumed in 2004 by Spectrum Gold to provide adequate information for structural interpretation during this renewed phase of exploration. Diamond drilling in 2004 tested targets at Blue, Blue East and South Pacific. A total of 5 core holes totaling 770 meters were completed.

6.3.4 Alexco (2006)

Alexco completed a diamond drilling program in 2006, managed by geological personnel from NovaGold. The drill program consisted of 9 HQ core holes for 1,171.53 meters. The drilling was carried out by E. Caron Diamond Drilling Ltd. of Whitehorse, Yukon. Caron supplied the program with two skid-mounted Longyear 38 drills with drill pipe sloops, water tank and a water truck, and a D-7 cat for rig moves. The drilling was completed between March 20 and May 1, 2006 at Bohemian, Classic, Blue as well as IP anomalies along a major NW-striking fault extending from the Classic to the Pacific Zone.

6.3.5 Golden Predator (now Sabre Gold) (2009-2012)

Golden Predator (now Sabre Gold) completed a drilling program from 2009-2012 for a total of 697 holes for 97,112 meters that consisted of 449 core holes for 60,675 meters, 230 RC holes for 36,171 meters, and 18 Sonic holes for 266 meters.

6.4 Historical Mineral Resource Estimates

6.4.1 Historical Estimates

Since the Brewery Creek project is subject to a current NI 43-101 Technical Report covering all resource areas, historical resource estimates do not reflect the current project.

6.5 Historical Production

The description of the historical production found below has been extracted and modified from Diment and Simpson (2009).

Loki / Viceroy constructed the mine from 1995 to 1996 and began operation in 1996. From 1996 through 2002, approximately 280,000 ounces of gold were produced from seven near-surface oxide deposits (i.e., Pacific, Blue, Moosehead, Fosters, Canadian), occurring along strike within the historically termed “Brewery Creek Reserve Trend” (BCRT). A silver credit was included within the doré shipped from site. The first gold pour at the Brewery Creek mine was completed on November 15, 1996 with 10,175 ounces being produced prior to commencement of full commercial production in May of 1997. During 1997, a total of 72,387 ounces of gold were produced. In 1998 production totaled 79,396 ounces. Production in 1999 fell to 48,164 ounces. Viceroy suspended seasonal mining operations in 1999 earlier than planned and hired an independent consulting company to study recovery processes in an effort to improve recoveries. In 2000, Viceroy concentrated on selectively mining the mineralized bodies which were well oxidized and contained the highest grade. Production in 2000 fell to 48,048 ounces of gold. Mining ceased in 2001, but heap leaching continued with production of 18,542 ounces of gold. During 2002, Viceroy undertook and completed approximately 50% of the mine area reclamation related to re-contouring and re-vegetation of pits and dumps. A heap detoxification program was also initiated bringing cyanide and metal levels of heap effluent to water license discharge levels, excluding selenium, by September 2002. An amendment to the water license was approved by government regulatory agencies at this time, allowing land application of heap effluent of up to 200,000 m³ per year. Re-circulation of effluent to the heap ceased in October 2002 excluding 450 l/min that was applied to the heap over the winter (2002/2003) for snow making purposes. A final closure and decommissioning plan were prepared and submitted as required, to the regulatory agencies, and the primary elements of the plan were adopted, and water license amendments were granted in April 2005.

Historical studies undertaken in the year 2000, on heap leach recoveries had shown a recovery of 65% for uncrushed material. Discussions were raised at the time on the merits of crushing for which studies had shown a potential increase of 10% for the recoveries, at a stated cost of $2.50 per tonne at the time. It should be noted that the recoveries estimated in the preproduction study undertaken in 1995 were 78%.

Reported historic production and processing was extracted from monthly operating reports, and is summarized in Table 6-2.

Table 6-2
Mine Production by Viceroy 1996-2001

	1996-1998 Tonnes to Pad	G/T	**1999** Tonnes to Pad	G/T	**2000** Tonnes to Pad	G/T	**1996-2001** Tonnes to Pad	Ave G/T
Pacific	-	0	-		748,287	1.54	748,287	1.54
Blue	18,391	1.08	354,240	1.69	295,614	2.59	668,245	2.07
West Canadian	80,498	1.13	-		-		80,498	1.13
Canadian	1,510,860	1.47	-		-		1,510,860	1.47
Upper Fosters	494,777	1.14	-		-		494,777	1.14
Kokanee	1,800,154	1.83	865,275	1.13	-		2,665,429	1.60
Golden	2,253,116	1.56	688,995	0.9	-		2,942,111	1.41
Lucky	-	0	96,840	0.95	367,031	2.24	463,871	1.97
Moosehead	-	0	-		269,245	1.13	269,245	1.13
	6,157,795	1.58	2,005,350	1.14	1,680,177	1.81	9,843,322	1.53

7.0 GEOLOGICAL SETTING AND MINERALIZATION

7.1 Regional Geology

The northern Cordillera consists of five physiographic domains composed of deformed metasedimentary rocks, allochthonous terranes and associated magmatic rocks (Figure 7-1, legend Figure 7-2). From west to east these domains are referred as; Insular, Coast, Intermontane, Omineca and Foreland belts. Within the northern Cordillera, the Tintina Fault generally marks the boundary between the ancient North American craton on the northeast to the allochthonous (accreted) terrains, composed of younger and varying rock types, to the southwest. The Tintina Fault is interpreted as a Paleogene-aged dextral strike-slip fault with an estimated displacement of at least 450 km, but may be up to 1200 km (Hart, 2011). The fault is marked by the Tintina Trench, a broad valley approximately 15 km wide in the Project area which also extends throughout the Yukon as the northern extension of the Rocky Mountain Trench. Volcanic rocks were deposited in the Tintina Trench about 55 Ma and it is filled with young unconsolidated sediments.

The Brewery Creek Project is situated in the Omineca Belt, east of the Tintina Fault in the central northern Cordillera and is characterized by large mountain ranges and plateaus composed of folded and variably metamorphosed sedimentary and volcanic strata intruded by felsic plutons. The property lies in the foothills of the Ogilvie Mountains, on the northern Stewart Plateau.

The Property is located on the western edge of the epicratonic Selwyn Basin, which is bound on the southwest by the Tintina Fault and on the north by the Dawson Thrust Fault (Gordey and Makepeace, 2001). The Selwyn Basin stratigraphy consists of late Proterozoic to Paleozoic marginal basinal and platformal clastic and pelitic lower greenschist grade metasedimentary rocks whose protoliths were derived from the North American Craton. Because metamorphic grade is low and original sedimentary features are readily identifiable, the prefix "meta" will commonly be left off in rock descriptions in the rest of this report. Various aged volcanic and intrusive rocks are stratabound within the sedimentary rocks. During the Proterozoic and again in the late Devonian, the basin was subjected to rifting. This rifting was accompanied by the emplacement of the volcanics and emplacement of thick sills of intrusive rocks.

By late Jurassic, the rocks of the Intermontane Belt of the Cordillera collided with the passive margin of the North America Shelf, causing compressive tectonics (Murphy, 1997). This resulted in crustal shortening, tight folding, and thrusting. Three regionally stacked thrust panels were formed separated by the Robert Service, Tombstone and Dawson thrust faults (from oldest to youngest) (Murphy, 1997). This thrusting has mainly affected the Intermontane and Omineca belts.

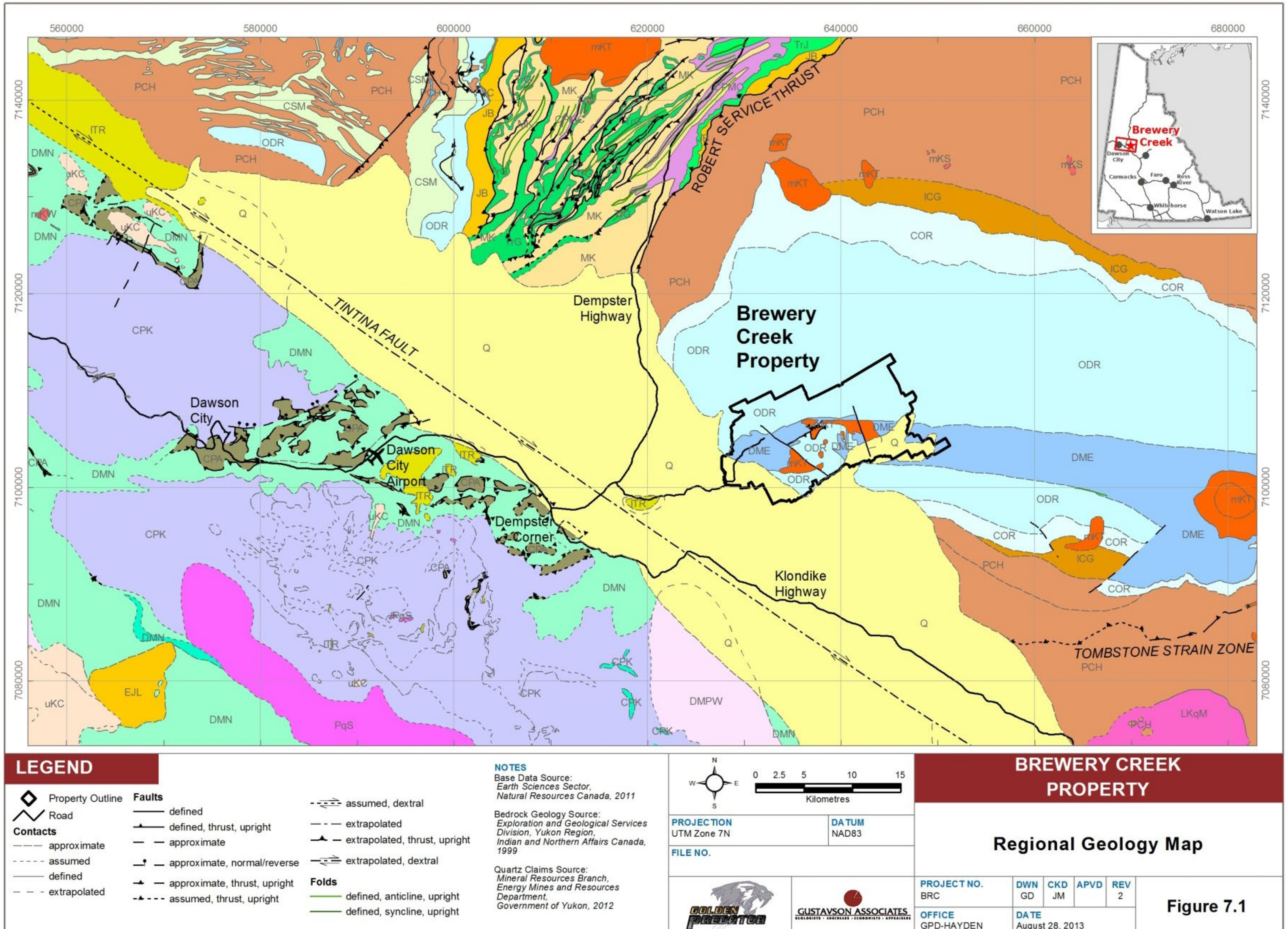


Figure 7-1 Regional Geology Map, Source: GPY (2013)

Legend

QUATERNARY

Q: QUATERNARY: unconsolidated glacial, glaciofluvial, glaciolacustrine deposits; fluviatile silt, sand, and gravel, and local volcanic ash, soil and organics

LOWER TERTIARY, MOSTLY(?) EOCENE

lTR: ROSS: brown, thin bedded, claystone, siltstone, shale and coal; arkosic or chert rich, thick bedded micaceous sandstone; to massive pebble to boulder, chert-quartz conglomerate, and light coloured felsic quartz feldspar porphyry and rhyolite; crystal lithic tuff and ignimbrite

LATE CRETACEOUS

LKqM: MCQUESTON SUITE: medium- to coarse-grained, locally porphyritic and K-feldspar megacrystic biotite muscovite granite and quartz monzonite;

MID-CRETACEOUS

mKqT: TOMBSTONE SUITE: medium- to coarse-grained, locally porphyritic biotite hornblende, granite, quartz monzonite and granodiorite (Tombstone Suite)

mKyS: SELWYN SUITE: mainly hornblende and hornblende-biotite syenite, commonly porphyritic (potassium feldspar phenocrysts), uneven textured, mostly medium grained, locally fine or coarse grained; minor diorite; hornblende syenite (Selwyn Suite)

UPPER CRETACEOUS

uKC: CARMACKS: augite olivine basalt; hornblende feldspar porphyry andesite lows; agglomerate and associated epiclastic rocks (Carmacks Gp., Little Ridge Volcanics, Casino Volcanics). Acid crystal, lapilli, and welded tuff; felsic volcanic flows and quartz feldspar porphyries; (Carmacks Gp.,Donjek Volcanics).

JURASSIC

JB: BUG CREEK: grey argillite, slate, and phyllite, commonly graphitic, thin-bedded dark grey quartzite; minor phyllite and limy quartzite (Lower Schist)

MIDDLE TO UPPER TRIASSIC

TrJ: JONES LAKE: brown to buff weathering, calcareous fine grained sandstone, argillite and shale; extensive ripple cross-lamination and bioturbation; massive,light grey weathering, fine crystalline, dark grey limestone; minor orange weathering platy limestone (Jones Lake)

TRIASSIC

TrG: GALENA SUITE: massive, medium-grained hornblende diorite and gabbro sills; massive chloritic and locally serpentinized greenstone (diorite, gabbro, and altered equivalents) sills; minor occurrences of possible mid- to Late Paleozoic age

MIDDLE PERMIAN

PqS: SULPHUR CREEK SUITE: moderately to strongly foliated biotite quartz monzonite gneiss, coarse grained, homogeneous, hornblende-biotite-bearing granite, granodiorite and quartz-monzonite with narrow foliated and mylonitic zones of the Ram Stock (Sulphur Creek Orthogneiss, Ram Stock)

CARBONIFEROUS AND PERMIAN

CPK: KLONDIKE SCHIST: tan to rusty and black weathering muscovitic and/or chloritic quartzite and quartz-muscovite-chlorite schist; quartz and/or feldspar augen-bearing quartz-muscovite (chlorite) schist;augen gneiss and amphibolite (Klondike Schist) and white marble with a ductile flow fabric (Klondike Schist)

LATE DEVONIAN TO MISSISSIPPIAN

DMqPW: PELLY GNEISS SUITE - SOUTHWEST: foliated equigranular medium-grained muscovite quartz monzonite, moderately to strongly foliated K-feldspar augen-bearing quartz monzonitic to granitic gneiss (S. Fiftymile Batholith, Mt. Burnham Orthogneiss,)

DEVONIAN, MISSISSIPPIAN AND(?) OLDER

DMN: NASINA: dark grey to black, fine grained graphitic quartzite, grey micaceous quartzite and quartz muscovite schist, locally garnetiferous; minor graphitic stretched metaconglomerate (Nasina assem.). Marble. Quartzite, quartz muscovite (chlorite; feldspar augen) schist, and minor metaconglomerate

CARBONIFEROUS TO PERMIAN

CPA: ANVIL: altered and foliated, augite-phyric basalt (local pillows), greenstone, and amphibolite; siliceous argillite or siltstone, greywacke, tuff, and limestone. Dunite, peridotite, gabbro, pyroxenite, harzburgite and diorite, hornblendite and diabase; serpentinite, and carbonatized ultramafic rocks

CPMC: MOUNT CHRISTIE: burrowed, interbedded greenish grey cherty shale and green shale; thin to medium bedded, light grey-green to black chert; black siliceous slate and siltstone; minor quartzite, limestone and dolostone; locally abundant, large grey barite nodules (Mount Christie)

MISSISSIPPIAN

MK: KENO HILL: massive to thick bedded quartz arenite; thin to medium bedded quartz arenite interstratified with black shale or carbonaceous phyllite; local scour surfaces and shale intraclasts; locally foliated and lineated (Keno Hill Quartzite)

DEVONIAN AND MISSISSIPPIAN

DME: EARN: thin bedded, laminated slate with thin to thickly interbedded fine to medium grained chert-quartz arenite and wacke; thick members of chert pebble conglomerate; black siliceous siltstone; nodular and bedded barite; rare limestone (Earn Gp., Portrait Lake and Prevost)

ORDOVICIAN TO LOWER DEVONIAN

ODR: ROAD RIVER - SELWYN: black shale and chert overlain by orange siltstone or buff platy limestone; locally contains beds as old as Middle Cambrian; correlations with basinal strata in Richardson Mountains include: ODR with CDR (Road River Gp.)

CAMBRIAN TO SILURIAN

CSM: MARMOT: massive brown to green, basic lapilli tuff, breccias, flows, sills, and dykes; intraclast breccia and conglomerate; brown weathering, green to grey, medium to thick bedded volcaniclastic sandstone, dark grey weathering, massive, locally pillowed, dark grey-green basalt, tuff and breccia (Menzie)

UPPER CAMBRIAN AND ORDOVICIAN

COR: RABBITKETTLE: thin bedded, wavy banded, silty limestone and grey lustrous calcareous phyllite; limestone intraclast breccia and conglomerate; massive to laminated, grey quartzose siltstone and chert and rare black slate; local mafic flows, breccia, and tuff (Rabbitkettle)

LOWER CAMBRIAN

lCG: GULL LAKE: shale, siltstone and mudstone, locally bioturbated, with minor quartz sandstone; rare green-grey chert; local basal limestone and limestone conglomerate; phyllite to quartz-muscovite-biotite schist (garnet sillimanite staurolite andalusite) (Gull Lake)

UPPER PROTEROZOIC TO LOWER CAMBRIAN

PCH: HYLAND: thin to thick bedded, brown to pale green shale, fine to coarse grained quartz-rich sandstone, grit, and quartz pebble conglomerate; minor argillaceous limestone; phyllite, quartzofeldspathic and micaceous psammite, gritty psammite and minor marble (Hyland Gp., Yusezyu)

PCH: HYLAND: grey weathering, dark grey to grey white, thin to thick bedded, very fine crystalline limestone, locally sandy; calc-silicate and marble; may locally include carbonate members(Hyland Gp., Algae Lake , limestone member of Yusezyu)

Figure 7-2 Regional Geology Legend, Source: GPY (2013)

7.2 Local and Property Geology

Metasedimentary rocks within the property boundary are composed of Rabbitkettle Formation (Cambrian-Ordovician) calcareous phyllite overlain by Road River Group (Ordovician-Silurian) volcanic rocks and off-shelf sedimentary rocks and Earn Group (Lower Devonian) siliciclastic rocks. Throughout most of the property, Cretaceous monzonite and quartz monzonite intrudes Earn Group and Road River Group stratigraphy as a series of semi-conformable sills along a 15 km strike length. Cretaceous (91 Ma), Tombstone Suite biotite monzonite and syenite stock-like bodies occur locally in the south-central part of the property. Sill emplacement is primarily controlled by a tectonized, graphitic argillite at the contact between the Earn and Road River Groups. This contact is also the locus of NNE-directed thrust faulting that has placed thin (<150 meters thick) sequences of Silurian siltstone against Devonian siliciclastic rocks. The age of thrusting is probably related to the earliest Cretaceous movement on the Tombstone Thrust.

A property geology plan and a legend are shown respectively in Figure 7-3 and Figure 7-4.

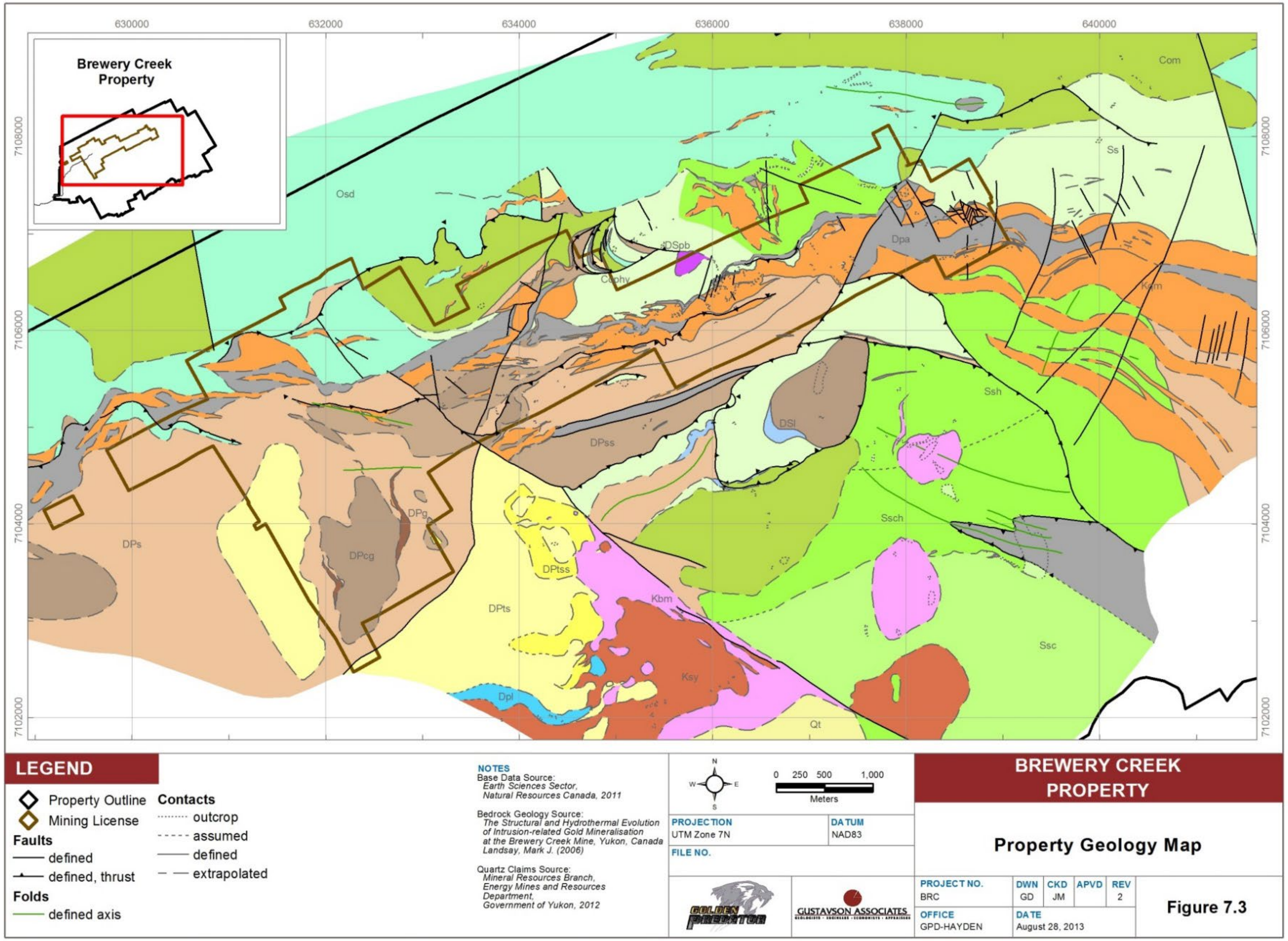


Figure 7-3 Property Geology Map, Source: GPY (2013)

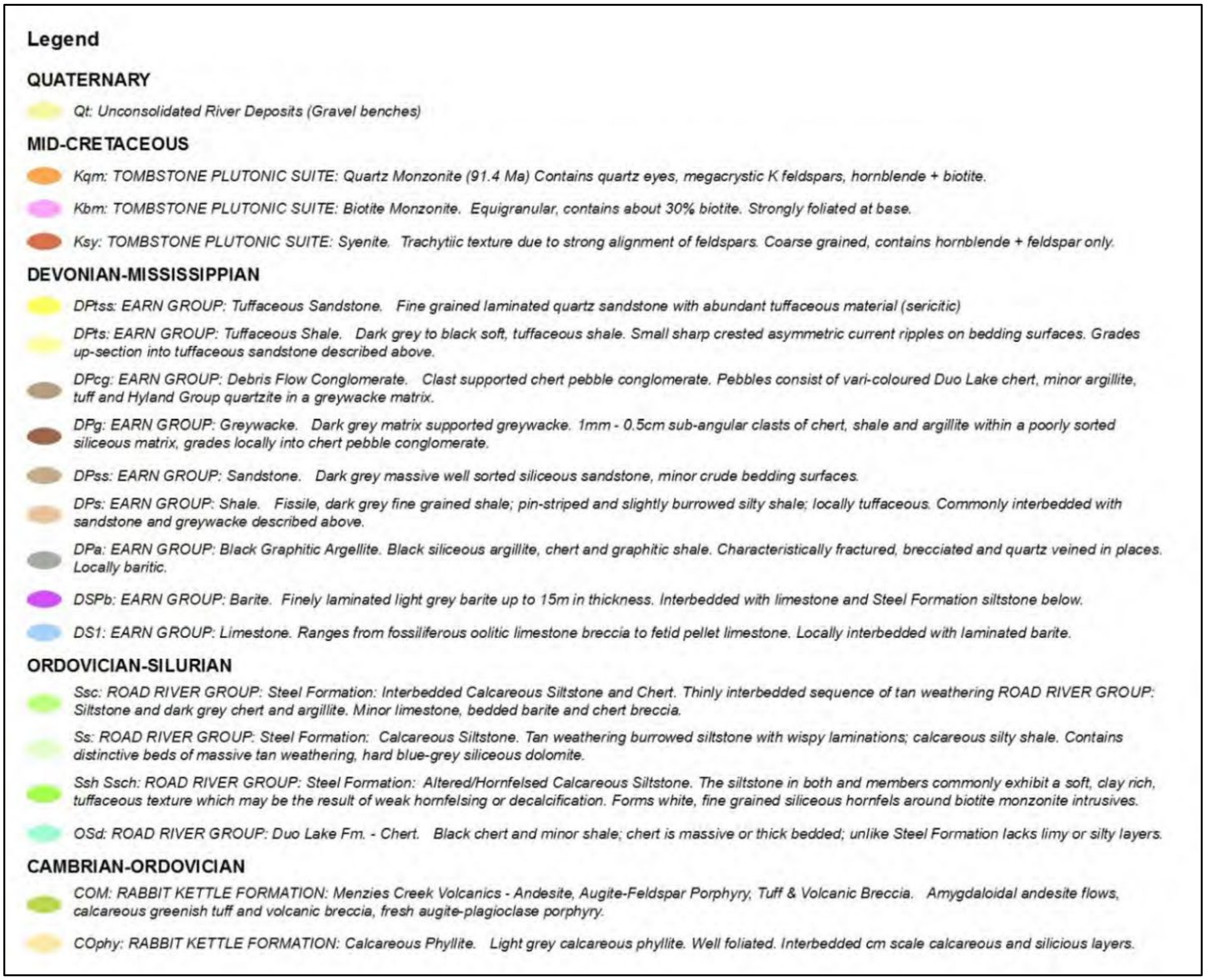


Figure 7-4 Property Geology Legend, Source: GPY (2013)

7.3 Stratigraphy

Rabbitkettle Formation

The Rabbitkettle Formation consists of tightly folded calcareous phyllites and calcareous siltstones. The unit is thinly laminated and is locally interbedded with chert and mudstone. This unit crops out in the Moosehead and North Slope zones in the north-central portion of the property. Though no age indicators have been identified in this formation on the property, it has been interpreted to be as old as Cambro-Ordovician (Gordey, 1981; Thompson et al., 1992) and as young as mid-Ordovician (Gordey and Anderson, 1993). The Rabbitkettle Formation was likely deposited in an area of tectonic stability which received dominantly shallow water sediments deposited at low energy. Lindsey (2006) observed local cross-lamination and graded bedding suggesting the formation is upright.

Menzie Creek Volcanics

The Menzie Creek Volcanics consist of medium grained, chlorite and carbonate altered dolerite and basalt, hyaloclastic breccias and mafic volcaniclastic rocks. The Menzie Creek rocks lie unconformably over the Rabbitkettle Formation and are overlain by the Steel Formation. Though no determination of age has been made for the Menzie Creek Volcanics, Diment and Craig (1999) suggest a late Cambrian to early Ordovician age.

Road River Group

This stratigraphic unit is exposed throughout the Project area and is typically found along the northern portion of the property. It is made up of wispy laminated calcareous siltstones and massive chert conformably overlying the Rabbitkettle Formation. The Group is subdivided into the older Duo Lake Formation and the younger Steel Formation (Cecile, 1982).

Steel Formation

The Steel Formation is seen throughout the Property. This unit defines the top of the Road River group, and, may have acted as a focus of intrusion emplacement between overlying Earn Group rocks and underlying Road River rocks. The Steel Formation consists of wispy laminated siltstone with burrow marks, and interbeds of graphitic shales. Conodont assemblages in the Steel Formation have been identified as Silurian to early Devonian in age (Norford and Poulton, 1995). The formation also contains what appear to be turbidite sequences, or storm shelf debris flows which may have been formed during a period of rifting.

Earn Group

The youngest package of sedimentary rocks on the property is the Earn Group which unconformably overlies the Road River Group and represents platform, or shelf, marine sediments. The package is the primary host to the BCRT. This unit is composed of graphitic argillites, graphitic siltstones and argillite with lesser amounts of sandstone, greywacke, and chert-pebble conglomerate. Interbedded within the Earn Group, are black limestones and barite horizons. No age determinations have been made for the Earn Group strata, but Campbell (1967) suggests that deposition of this unit extended from the Devonian through the early Carboniferous. It is likely that the Earn Group was formed in an area of tectonic stability during periods of ocean transgressions and regressions.

7.3.1 Intrusive Rocks

Most of the gold mineralization at the Brewery Creek Project is hosted within mid-Cretaceous, felsic intrusive rocks of the Tombstone Plutonic Suite. The intrusive rocks are exposed along an east-northeasterly striking structural zone over a distance of 15 km along strike and 0.5-2.0 km perpendicular to strike. Several compositional and textural phases have been mapped in drill core and drill cuttings. The older intrusive phases are emplaced parallel, or sub-parallel, to sedimentary bedding and along thrust faults often resulting in sill-like geometries, while the younger intrusive phases are present as dikes and small stocks distinctly discordant to the country rock. The sill complexes are the main host for gold mineralization, while the younger discordant intrusives host lower grade gold mineralization. The thickness of the individual sills and the entire sill complex varies across the property from 100's of meters in the southeast (Sleeman area) to 10's of meters in the northwest (Pacific area). Some thicker sill complexes host volumetrically greater amounts of gold mineralization (Kokanee-Golden; Bohemian-Schooner areas).

The oldest intrusive rocks in the area are a series of monzonite and quartz monzonite sills. These rocks are fine to medium grained with textures ranging from equigranular to porphyritic. Phenocryst assemblages are comprised of variable amounts of biotite (5-30%), orthoclase (40-55%), plagioclase (30-40%) with minor quartz and hornblende. Biotite and orthoclase are commonly euhedral with phenocrysts ranging from 1-3 mm for biotite and 3-20 mm in diameter for orthoclase. Large, zoned megacrysts of orthoclase with biotite inclusions are common in the southeastern portion of the property. Plagioclase is commonly subhedral with phenocrysts ranging from 3-10 mm in diameter. Xenoliths of black argillite are common in these rocks.

Sedimentary rocks on the margins of the sills are commonly strongly sheared suggesting that the sills followed older, low-angle structures. Locally, clasts of monzonite are incorporated into the shear zones defining a component of post-sill emplacement deformation. U/Pb isotopic dating of zircon from these monzonites yield an age of 91.4 Ma ± 0.2, similar to other Tombstone Suite intrusions in the region.

In the Sleeman area, younger monzonite dikes cut the older intrusions. The dikes are biotite bearing with no free quartz or hornblende and have a much finer grained texture than the older intrusive rocks. Where these dikes are altered, the feldspars have been converted to clay and biotite has been converted to white mica/clay.

South of the main sill complex are small stocks of biotite monzonite and syenite that intrude Road River Group and Earn Group sedimentary rocks. These intrusions are relatively coarse-grained with equigranular to porphyritic/pegmatitic textures. The stocks crosscut sedimentary bedding and local tremolite-epidote-diopside-garnet-skarn is developed marginal to the intrusive rocks. These intrusions host gold mineralization in the Classic area.

7.4 Structural Geology

Paleozoic metasedimentary strata at the Brewery Creek Project form a homoclinal sequence that strikes approximately 070° azimuth and dips moderately southeast. The sequence displays tectonic fabrics and geometries that indicate polyphase deformation including thrust faults that strike approximately parallel to stratigraphy and accompanying folds. Earlier workers describe multiple generations and orientations of folding (Lindsay, 2006; Diment and Simpson, 2009); work completed by GPY has not verified these features. At least three orientations of high-angle faults formed subsequent to thrust faulting. Many of the fault sets described below, influence or control the distribution of mineralization.

7.4.1 Thrust Faults

Stratigraphic repetitions best define the positions of thrust faults at the Brewery Creek Project. Many were mapped by earlier workers along the main area of mineralization (Diment and Simpson, 2009). The faults generally strike east-northeast (±070° AZ), dip moderately southeast, and commonly place siltstone of the Steele formation above variably graphitic and locally baritic argillite of the Earn group. Graphitic argillite typically occurs within and along the fault zones and defines the zone of displacement. The argillites typically display well developed tectonic fabrics. Regional work by Murphy (1997) shows that thrust faulting took place between late Jurassic and mid-Cretaceous time based on the age of the youngest stratigraphy cut by the thrust faults and a 142 ±6 ma date on muscovite in the Tombstone Strain Zone, a cross cutting structural feature. The Jurassic date is consistent with thrust faults mapped regionally in the Brooks Range (Plafker, 1994).

The Brewery Creek Project sill complex intrudes and lies concordant within proximity to the thrust faults but shows no evidence of thrust faulting. Apparently, these sills are younger than the latest movement on the faults and appear to have utilized them as an intrusive plumbing system.

7.4.2 High-Angle Faults

At least three orientations of high-angle faults occur at the Brewery Creek Project, one set strikes northeast, another strikes northwest, and the other east-northeast; all are steeply dipping. The northeast and northwest striking sets show a strong component of strike displacement and commonly displace mineralization. The east-northeast striking structures show primarily normal displacement.

Northwesterly striking structures generally have a strike azimuth of approximately 330° and are near vertically dipping. Relations visible in the Kokanee open pit, show dextral displacement of mineralization. They commonly have local displacements of 3-10 meters; however, field relations suggest overall displacement up to a few hundred meters. Lindsay (2006) suggests dextral movement along the 300° striking Classic Fault could have produced 1.5 km of dextral displacement.

North-easterly striking structures have azimuths of 020° to 030° and are generally near vertical dip. Fault fabrics indicate that the primary sense of displacement is strike-slip. Where confirmed by local outcrop relations, they show sinistral displacement. The magnitude of total displacement is difficult to interpret since they generally strike semi-parallel to the lithologies and mineralized zones.

East-Northeast striking faults occur throughout the district. They generally have an azimuth of 070° and dip steeply to the northwest. Outcrop relationships in the Kokanee open pit show that they are normal faults that displace rocks down to the north-northwest. Displacement is generally small; where observed in outcrop, less than 10m. Closely spaced joint sets commonly parallel these faults.

Tectonic fabrics within fault zones exposed in outcrop demonstrate that the northeast and northwest structures were co-active, and their strikes are consistent with a conjugate set. These faults cut the sill complex representing the most recent movement subsequent to sill intrusion at approximately 90 to 92 Ma. Minor and small-scale quartz-sulfide veinlets and stockworks with 330° azimuths were observed in the hanging wall of a northeast-striking fault in the Golden deposit, suggesting that the 330° AZ orientation was active during mineralization. No major mineralized zones, except Classic and possibly Lone Star, follow the northwest orientation, indicating that, though active, it was not strongly dilatant during mineralization. Several large deposits and mineralized zones, including parts of the Kokanee and Golden deposits, follow mapped northeast-striking faults, indicating that the northeast orientation was active and strongly dilatant during mineralization. The northwest-striking faults show the greatest amount of post-mineralization displacement.

7.5 Significant Mineralized Zones

Historical production on the property occurred along the historical BCRT. The Brewery Creek District consists of numerous deposits, mineralized zones and past producing deposits both along this trend as well as within peripheral mineralized areas. Past producing areas within the BCRT include the Pacific, Blue, Canadian, Upper Fosters, and Kokanee, Golden and Lucky deposits. Additional to these, Mineral Resources have been defined for the Big Rock West, Big Rock East, Lower Fosters, Bohemian and Schooner deposits along the BCRT; the North Slope deposit north of the BCRT; Sleeman deposit east of the BCRT, and the Classic and Lone Star deposits south of the BCRT. Mineralized areas peripheral to the BCRT, including Moosehead, have not been considered for the purposes of this report. Figure 7-5 shows the locations of the significant mineralized zones.

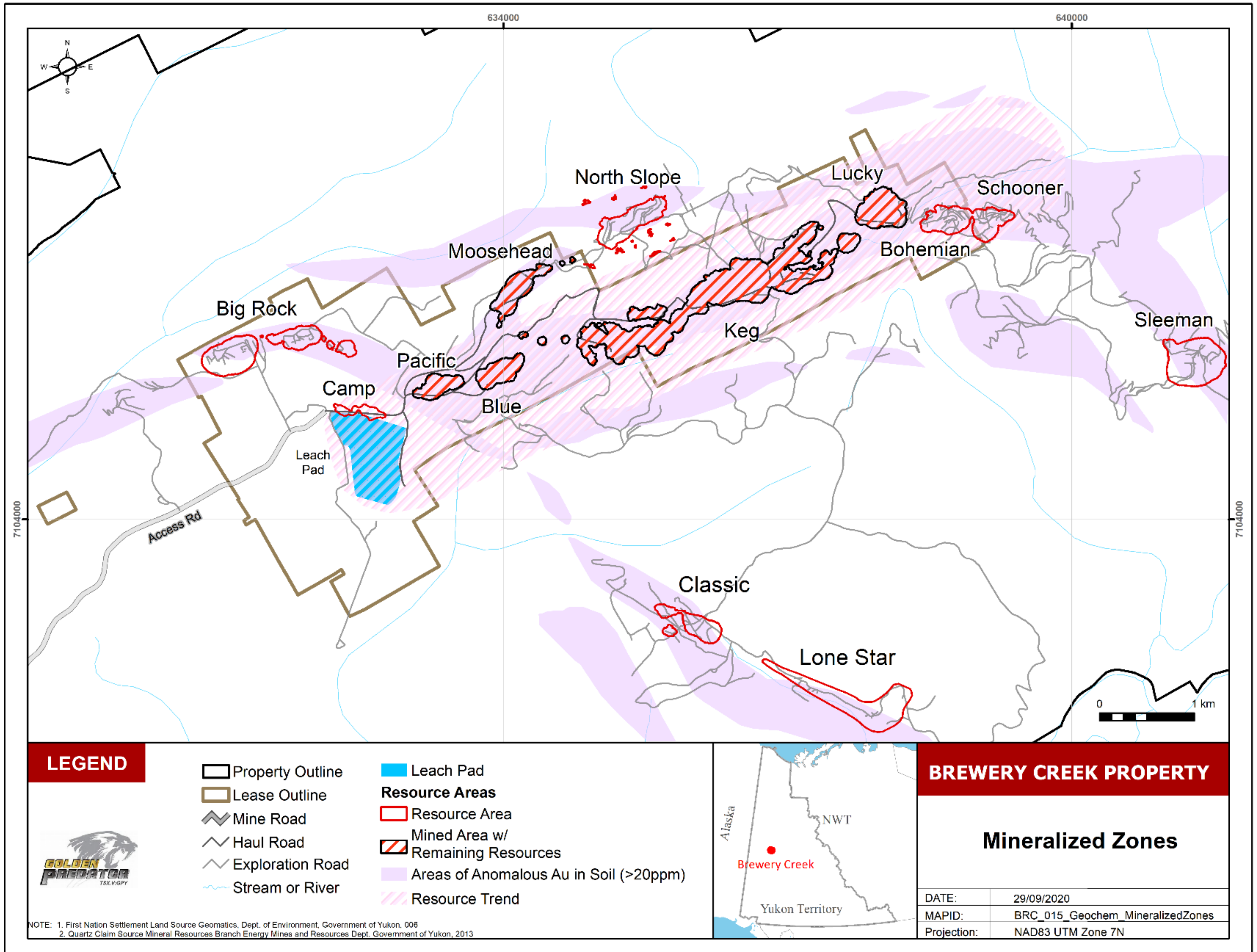


Figure 7-5 Significant Mineralized Zones, Source: GPY (2020)

7.5.1 Kokanee

The Kokanee deposit was mined by Viceroy from four pits; all pits were partially backfilled. The southern two pits remain mostly open while the northern two are almost entirely backfilled and reclaimed. The deposit is centrally located along the BCRT and formed in the thickest and most extensive part of the Cretaceous quartz monzonite sill complex. The deposit is defined by 31 core holes and 506 RC holes, totaling 29,654 meters. The deposit is ~1100 meters in length, ~40 meters wide, and ~190 meters down dip.

Mineralized material at Kokanee occurs primarily in the quartz monzonite sill complex and subordinately in siltstone and argillite. Observations of mineralized material exposed in pit walls shows millimeter-scale veinlets with iron-oxide ± quartz fillings. The mineralized quartz monzonite typically contains several percent of evenly disseminated oxidized pyrite.

Drill logs indicate alteration of the K-feldspar component of quartz monzonite to white clay. Locally developed auriferous sheeted quartz veins were noted in pit highwalls. Pervasive silicification occurs locally but is not common.

7.5.2 Golden

The Golden deposit lies immediately east of Kokanee and may be a faulted offset of Kokanee. It was mined by Viceroy from 4 pits; three were backfilled and reclaimed, the lowest and farthest south pit was not backfilled and remains in its fully mined state. The deposit is defined by 19 core holes and 363 RC holes, totaling 21,251 meters. The deposit is ~950 meters in length, ~30 meters wide, and ~150 meters down dip.

Golden, like Kokanee, is hosted by the thickest and most extensive part of the Cretaceous quartz monzonite sill complex. It is a nearly identical system structurally, and the styles of alteration identical. Both of these resource areas show a bi-directionality to the strike direction of the highest-grade material, one northeast and the other northwest trending, forming a conjugate pattern.

The K-feldspar component of quartz monzonite, both phenocryst and groundmass are altered to white clay. Locally developed auriferous sheeted quartz veins and seams filled with oxidized Fe were noted in pit highwalls. Pervasive silicification occurs locally but is not common. The most pervasively developed alteration occurs along faults with orientations similar to the distribution of higher-grade material, suggesting that these structures were hydrothermal fluid conduits.

7.5.3 Pacific

The Pacific deposit was mined by Viceroy; the pit was not backfilled and remains in its fully mined state. Pacific lies along the Reserve Trend, immediately east of the Classic Fault. The deposit is defined by 17 core holes and 80 RC holes, totaling 6,966 meters. The deposit is ~500 meters in length, ~50 meters wide, and ~300 meters down dip.

Pacific is the only deposit in the district that is hosted primarily by lower Paleozoic siltstone. Mineralization is generally tabular and follows a combination of shallow south dipping bedding and high-angle BCRT-parallel faults. Higher grade parts of the deposit are steeper along these faults. The deposit has been segmented by several post-mineralization northwest-trending dextral faults.

Observations of mineralized material exposed in pit walls shows millimeter-scale veinlets with iron-oxide ±quartz fillings. One occurrence was noted of a pervasively silicified breccia at the intersection of a northeast-trending and a northwest-trending set of faults. The breccia contains angular fragments of silicified siltstone in a quartz matrix.

7.5.4 Blue

The Blue deposit was mined by Viceroy, and the pit was partially backfilled and reclaimed. Blue lies directly east of the Pacific deposit along the BCRT. A fault separates the two deposits; one possible restoration of displacement suggests that the two deposits may have been a single mineralizing system. The deposit is defined by 26 core holes and 113 RC holes, totaling 8,149 meters. The deposit is ~560 meters in length, ~45 meters wide, and ~200 meters down dip.

Blue is hosted primarily by Cretaceous quartz monzonite and subordinately by lower Paleozoic siltstone. Mineralization is generally tabular and follows the strike and dip of the sill complex. Unlike Pacific, the primary strike of the deposit lies along a series of northeast-trending faults. A strong discontinuity in stratigraphy, sill development, and mineralization occurs at the eastern end of the deposit. An area of poorly defined mineralization occurs immediately southeast of the deposit, suggesting a possible post-mineralization offset of the deposit along a northwest trending fault.

Drill logs indicate that alteration of the quartz monzonite includes strong white clay development after K-feldspar phenocrysts and groundmass, and locally developed auriferous sheeted quartz veins. Pervasive silicification is noted locally but is not common.

7.5.5 Lucky

The Lucky pit was mined by Viceroy, partially backfilled and reclaimed. The deposit occupies the northeastern-most segment of the BCRT. It is situated immediately west of the Bohemian-Schooner deposits and northeast of the Golden deposit. The Lucky deposit is defined by 169 RC drillholes and 3 diamond drillholes, totaling 11,240 m. The deposit is ~550 meters in length, ~50 meters wide, and ~360 meters down dip.

Altered Cretaceous quartz monzonite that intrudes lower Earn Group sedimentary rocks host mineralized material at Lucky, similar to that at Bohemian-Schooner. Dominant mineralized trends typically strike 035° or 060° and dip moderately (-25 to -45) to the southeast. Mineralized material in the hanging wall is abruptly terminated to the northwest by Steel-formation sedimentary rocks at the footwall contact of a major 040° trending fault.

7.5.6 Bohemian-Schooner

The Bohemian-Schooner deposit and surrounding mineralized area was originally discovered by soil sampling, trenching and drilling in the 1990's by Viceroy. The area remains unmined and is defined by 129 reverse-circulation drillholes and 122 core drillholes, totaling 23,385 meters. A linear distance of approximately 7 km separates the zone from the old heap leach pad. The Bohemian deposit is ~520 meters in length, ~50 meters wide, and ~160 meters down dip. The Schooner deposit is ~450 meters in length, ~50 meters wide, and ~160 meters down dip.

A sill complex at Bohemian/Schooner hosts the majority of mineralization. It intrudes a section of siltstones of the Steele Formation and interleaved, structurally dismembered carbonaceous argillite of unknown affinity. The composite strike length of the sill complex is over 1 km oriented east-west, dipping 5° to 10° to the south. A prominent high-angle east-west striking structural zone traverses the entire length of the area. Sills occur on both sides of the structure and are displaced down to the north across it. The sills are thickest along the structure, indicating that it may have localized the intrusions. Higher grade parts of the resource also align along this structure.

A large fault with a 330° strike azimuth lies between the Bohemian-Schooner resource area and the formerly mined Lucky deposit to the west. Sporadic mineralization and isolated drill intercepts in the intervening area between these two areas indicates that they may have been contiguous prior to faulting. If so, the fault would have a total displacement of over 250 meters. Alternatively, if the fault displaced farther, the Bohemian/Schooner resource could have aligned with the eastern extension of the Big Rock – North Slope trend. Much of the section at Bohemian/Schooner consists of siltstone of the Steel Formation, also suggesting a possible affinity with the North Slope mineralized zone.

Gold mineralization at Bohemian/Schooner occurs primarily in clay-altered quartz monzonite sills and subordinately in adjacent siltstone. It occurs most commonly in association with strong argillic altered and locally silicified quartz monzonite. Sheeted and stockwork mm- to cm-scale quartz-pyrite-arsenopyrite veins, commonly forming conjugate patterns in detail, cut the altered intrusion and occur in association with higher grade zones.

7.5.7 Canadian-Fosters

The Fosters mineralized resource area includes only the un-mined Lower Fosters deposit which lies approximately 3.5 km from the current heap leach pad. The Upper Fosters and Canadian deposits have been mined historically and are not part of this Mineral Resource. The area is defined by 392 reverse-circulation drillholes and 40 core holes, totaling 19,550 meters of drilling. Numerous blastholes were drilled within the historical pits for which location and analytical data exists. The Lower Fosters deposit (the only part of the complex reported in this study) is ~550 meters in length, ~30 meters wide, and ~260 meters down dip.

A large sill complex extends throughout the Canadian-Fosters area and hosts most of the known mineralization. It has a strike length of at least 1.2 km and a down-dip extent of at least 500 meters. It strikes 070° azimuth and dips approximately 20° southeast. The sill complex contains large interleaves of sedimentary strata and splits into a complex array of individual sills along strike and dip.

Several faults traverse the area. Modeling shows that a 330° AZ fault offsets the western extension of the Canadian deposit, and a 020° AZ Fault separates the Canadian deposit from the Lower Foster's deposit. Logged gouge zones in several holes along the northernmost known extent of the sill complex indicates that a major 070° AZ fault may offset the down dip continuation below the Lower Fosters resource.

Logs of reverse circulation drillholes indicate that mineralization is associated with clay alteration, presumably from the destruction of K-feldspar minerals. According to Diment and Simpson (2009), mineralization is associated with pervasive phyllic and locally intense argillic alteration. The feldspars alter to an assemblage of sericite, illite and kaolinite. Fine pyrite and arsenopyrite occur in association with secondary quartz. Gold occurs primarily in the limonite-altered quartz monzonite and subordinately in sedimentary strata that lie adjacent to the intrusions.

7.5.8 West and East Big Rock

The West and East Big Rock deposits are the farthest west known occurrence in the district and are located approximately 1.2 km from the current heap leach pad. They were discovered in the early 1990's by Viceroy Gold by soil sampling and trenching. The two zones were first drilled in

1991; most of the drilling was carried out between 1994 and 1998. The deposits are defined by 213 reverse-circulation rotary holes, and 69 core holes, totaling 22,288 meters of drilling. The West Big Rock deposit is ~650 meters in length, ~30 meters wide, and ~220 meters down dip. The East Big Rock deposit is ~640 meters in length, ~30 meters wide and ~180 meters down dip.

Mineralization occurs primarily in limonite-altered quartz monzonite sills and subordinately in adjacent siliciclastic sedimentary strata. Big Rock sills strike 070° azimuth and dip between 40 and 45 degrees southeast and have a drill-defined strike length of approximately 1.5 km. The eastern part of the sill complex and deposit are truncated by the Classic Fault, or a splay. Lindsay (2006) suggests that Big Rock mineralization is a westerly continuation of the BCRT that is displaced approximately 1.5 km to the northwest by the Classic Fault. An alternate interpretation is that these deposits represent the westerly continuation of a mineralized trend which parallels the BCRT to the northwest, between the Big Rock resources and the North Slope mineralized zones. No other faults were mapped or modeled in the Big Rock resource area.

The reverse-circulation drilling chip logs show that gold mineralization occurs primarily in clay-altered quartz monzonite. Much of the zone is oxidized, and the location of oxidation from surface down suggests that it resulted from supergene processes. The distribution of elevated gold values with respect to sill-form intrusions suggest that lithology, and perhaps rock rheology was a primary control on mineralization.

7.5.9 Classic

The Classic deposit is located approximately 3 km south of the main BCRT, 7 km west of the Sleeman deposit and 4 km south of the old heap leach pad. Discovered originally in 1991 (Hemlo Gold Mines Inc.-Loki Gold Corporation) through a southern grid expansion, the Classic Zone was then being classified as an isolated, arsenic gold anomaly. To date, the Classic deposit remains poorly understood with current interpretations based on the underlying pluton and faulting. It is currently defined by 52 reverse-circulation drillholes and 17 core holes, totaling 13,478 meters. The currently identified mineralization lies entirely on the southwest side of the Classic Fault. The deposit is ~1400 meters in length, ~30 meters wide, and ~240 meters down dip.

Predominant rock units hosting mineralization contain variable percentages of syenite (alkali) and biotite monzonite (increasing plagioclase). Mineralization is found to exist within centimeter-scale sheeted quartz veinlets. Structurally, the Classic Zone is open at depth and in both directions along strike. Cutting across the eastern portion is the northwest trending and steeply south west dipping Classic fault which is mapped to be post intrusion and post mineralization. A similar intrusive complex which displays altered mineralization akin to the Classic is mapped within the footwall of the Classic Fault with a dextral offset of 1.5 km (Lindsay, 2006) to the southeast.

7.5.10 Lone Star

The Lone Star mineralized area lies along the northeast side of the Classic Fault, southeast of and adjacent to the Classic Zone. Surface mineralization was first recognized by soil sampling in the 1990's but the area remained untested until 2012. Drilling in 2012 consists of 17 core holes and 12 RC holes, totaling 6,147 meters. The deposit is ~1100 meters in length, ~20 meters wide, and ~220 meters down dip.

The same alkalic suite of intrusions that host Classic also host Lone Star. The suite intruded along a zone with an azimuth of 290°, centered on and sub parallel to the post-mineralization Classic fault. The suite contains syenite, biotite monzonite, monzodiorite, diorite, and gabbro; syenite is the most abundant. The more mafic compositions intrude the syenite and the most mafic lithologies were last to intrude. The biotite monzonite intrusions commonly form very well developed, course-grained skarn halos where adjacent to limestone.

Alteration includes development of a propylitic mineral assemblage of chlorite, calcite and pyrite, and local development of sheeted quartz-carbonate-pyrite-arsenopyrite ±chalcopyrite veins. Three styles of mineralization occur at Lone Star; elevated Au associated with skarns, disseminations in syenite, and auriferous sheeted quartz veins. The geometry of the system is poorly understood; it remains open in both strike directions and at depth.

7.5.11 North Slope

The North Slope deposit lies approximately 1 km north of the deposits of the BCRT, and approximately 4 km from the heap leach pad. The zone lies conformably within a lower stratigraphic section than the BCRT. It was initially discovered by soil sampling, trenching and drilling carried out by mine personnel during the 1990's by Viceroy Minerals. GPY renewed exploration efforts by drilling core holes in 2009, and continued core and RC drilling in 2011. The deposit is defined by 108 reverse-circulation rotary holes, and 32 core holes, totaling 24,221 meters of drilling.

The mineralized zone occurs in clay-altered quartz monzonite and siltstone of the Steele Formation, lower in the stratigraphic section than most of the mineralization along the BCRT. The current drilled extent of the structure and sill complex at North Slope is 750 meters along strike and approximately 450 meters down dip, with mineralization intersected at up to 700 meters down dip. The mineralization is ~40 meters wide. It strikes 070° azimuth and dips approximately 40° southeasterly. The mineralized sills and structural zone remain unconfined along both strike directions.

Geologic observations in core suggest that mineralization occurs within and along a continuous and through-going breccia zone that strikes and dips parallel to the structures in the BCRT. This breccia zone may define a thrust fault that was later intruded by the sills.

Gold mineralization is spatially associated with carbonate/clay + quartz alteration in both siltstone and intrusive lithologies. Multiple stages of arsenic-poor pyrite and marcasite are present in the mineralized zones and arsenopyrite is present as discreet crystals on the surface of the earlier pyrite. Visible gold has not been observed but may be associated with the later arsenopyrite mineralization.

7.5.12 Sleeman

The Sleeman deposit is located to the east of the BCRT and may possibly demarcate the easternmost extent of the trend. It was discovered by mapping, soil sampling and trenching, and was first drilled in 1992. The zone is currently defined by 7 reverse-circulation drillholes and 58 core drillholes, totaling 11,374 meters. A linear distance of approximately 9 km separates the zone from the heap leach pad. The deposit is ~500 meters in length, ~25 meters wide, and ~220 meters down dip.

Mineralization at Sleeman is associated with an altered tabular-shaped quartz monzonite intrusion that cuts siltstone of the Steel formation and graphitic argillite of unknown affinity. The intrusion strikes 120° azimuth and dips 65° southwest. It has a known strike length of 500 meters and is open in both strike directions and at depth. A secondary trend of mineralization oriented approximately 060° azimuth and dips approximately 45° to the southeast is noted in the western hanging wall to the main tabular body. A poorly constrained fault may displace the southeast portion of the sill down to the southeast.

Alteration at Sleeman includes locally intense clay development after feldspars and texture destructive silicification. All mineralization is associated with the altered and veined areas. Hairline to millimeters-scale quartz-pyrite stockworks and planar 2-10 millimeters-scale quartz-pyrite veins with illite selvages occur within the alteration envelope. The planar quartz veins are paragenetically younger than the stockworks.

The style of veining and alteration at Sleeman is similar to the other deposits found within the BCRT with the exception of the presence of elevated base metal concentrations, particularly lead and zinc.

7.5.13 Camp

The Camp zone is a recent discovery and is located between the camp site and the existing leach pad area, it is an east-west trending, moderately south dipping structurally zone intruded by thin, quartz monzonite sills. Gold mineralization is hosted in the quartz monzonite sills, but also in adjacent siltstones and fault gouge. Spatially the zone is on strike with gold mineralization in the historic Pacific pit which also hosted a significant amount of gold in sediments. The zone was identified in the earliest soil geochemical data in 1989 and subsequent trenching and drilling in 1990. Additional condemnation drilling for the historic leach pad did not test the down dip projection of the zone. The proximity of the zone to infrastructure (leach pad and camp) has precluded any appreciable interest in the zone over the last 30 years.

Gold mineralization is encountered in widely spaced drill holes over a 675-meter strike length and to an average depth of approximate 50 meters. The zone is open to the west and likely continues to the east another 400 meters to its intersection with the northwest trending Classic Fault. This eastern extension was not well defined in soil geochemistry or in geologic mapping and has not been drill tested. A total of 17 reverse circulation and core drill holes totaling 1731 meters have tested the zone to date.

A total of 7 reverse circulation drill holes totaling 387m were completed in the zone in 2019 offsetting previous mineralized intercepts. All 7 drill holes returned gold mineralized intercepts from both fine-grained sedimentary and the monzonitic sills. Significant results in 2019 included 1.22 g/t gold over 9.14m starting at a depth of 33.53m in drill hole RC19-2541 and 0.61 g/t gold over 24.38m starting at a depth of 3.05m in drill hole RC19-2543.

8.0 DEPOSIT TYPES

8.1 Mineral Deposit

The Brewery Creek Project deposit exhibits characteristics of both intrusion-related and epithermal type deposits. It is generally considered to be an alkalic intrusion-associated gold deposit, as most of the mineralization is concentrated within or proximal to the monzonites. Geological, geochemical, petrographic and fluid inclusion data indicates that original sill emplacement, first stage alteration and associated mineralization occurred at a relatively low temperature and high level within the crust. However, the presence of wispy-textured quartz veinlets, related to later shear zone deformation, indicates deposition at moderate to deep levels (Dunne, 1995), a common characteristic of epithermal type deposits (Poulsen,1996).

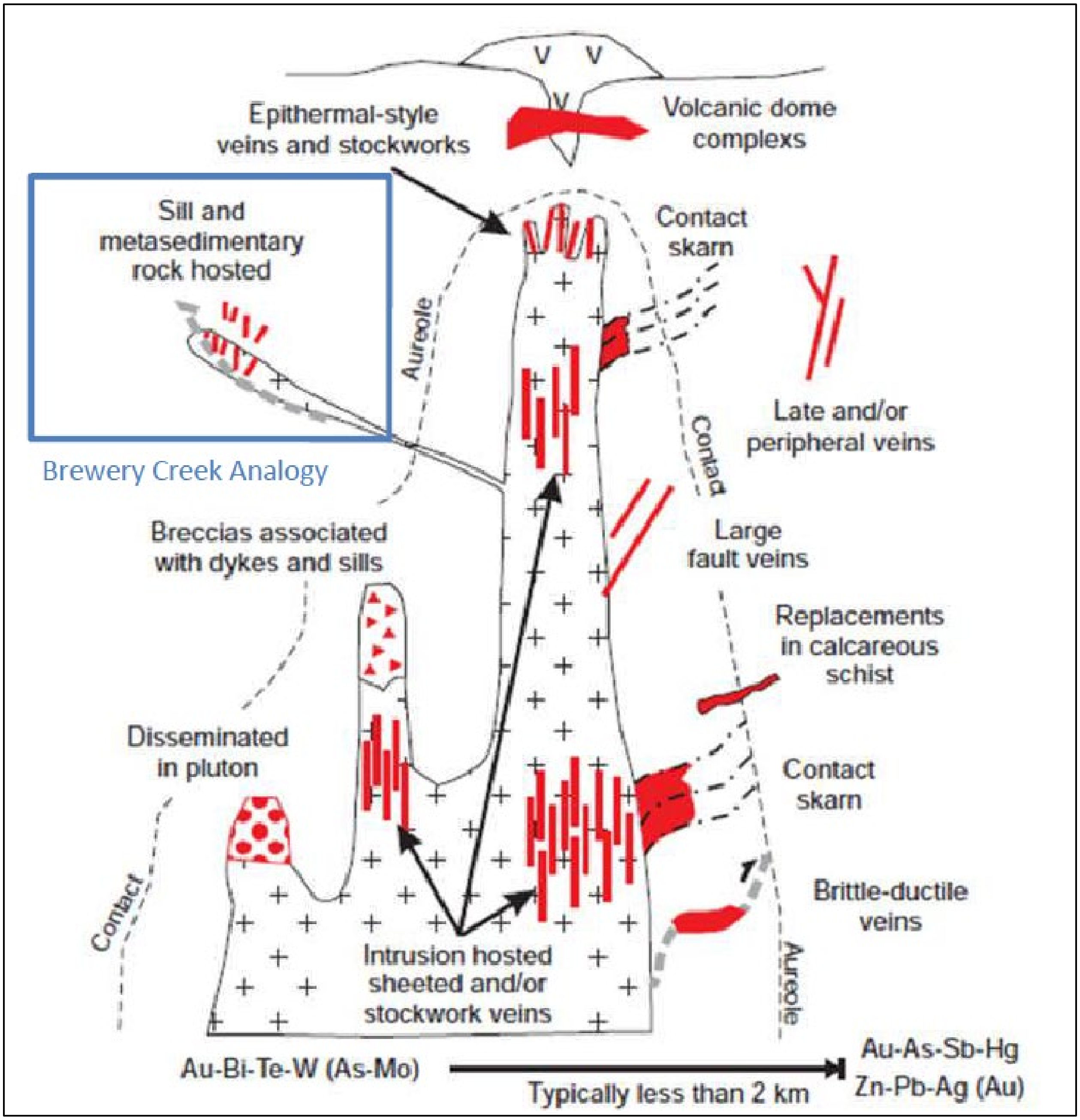
An epithermal, depositional environment is supported by the following factors: 1) the gold, arsenic, antimony, mercury association within veins and breccias, 2) very low base metal concentrations and a relatively high gold : silver ratios of 3:1, 3) the absence of contact metamorphism in sedimentary rocks around sill contacts, 4) euhedral, coarse grained quartz with primary growth zones, 5) open space textures such as comb and cockade textured quartz and chalcedony, and 6) the presence of trace amounts of CO_2, low salinities (<7% NaCl) and low homogenization temperatures (< 300 °C) within fluid inclusions.

The mineralization delineated to date consists of fracture-controlled quartz stockwork in siliciclastic and intrusive rocks; however, the presence of local decalcification and silica replacement in the calcareous Steel Formation suggests that an epithermal type model may be more appropriate at the Brewery Creek Project.

8.2 Geological Model

The geological model applied to the Brewery Creek Project gold mineralization and associated alteration is closely related to high-level felsic intrusive rocks intruding deep marine sedimentary rocks. Gold and associated arsenic and antimony mineralization is hosted by both intrusive and sedimentary lithologies as depicted in Figure 8-1.

This model is very similar to gold deposits described for the ACMA-Lewis Deposit at Donlin Creek, Alaska, where significant resources of sulfide related gold mineralization are currently being evaluated by NovaGold. The mineralization style, alteration characteristics, age and scale of the mineralized zones seen at the Brewery Creek Project are similar to those described by Hanson et al (2009).



Note: The Brewery Creek Project deposit is attributed to the sill and meta-sedimentary rock hosted style as shown in this schematic
Source: Modified from Lindsay (2006)

Figure 8-1 Geological Model Schematic

9.0 EXPLORATION

9.1 Relevant Exploration Work

Exploration conducted by GPY (now Sabre Gold) includes geophysical surveys, soil sampling surveys and an extensive drilling campaign. These surveys were undertaken to extend known mineralized zones, reveal new mineralized zones, and provide information on parts of the property which had not been tested.

9.2 Surveys and Investigations

9.2.1 Magnetic Survey

In 2012, Precision GeoSurveys Inc. of Vancouver, BC was contracted to fly an airborne magnetic survey. This was done in order to better define the magnetic signatures in know areas of mineralization and to investigate this same signature in unexplored areas. Lines were located at 100-meter spacing's oriented east-west, and tie lines were flown at 1-kilometer spacing oriented north-south. The nominal height was 35 to 37 meters above the ground. Test flights prior to the survey were flown at an altitude where there is no ground effect in order to perform magnetic compensation. The computer program PEIComp was used to create a model for the survey to remove noise induced by aircraft movement. The results of the 2011 and 2012 magnetic surveys are shown on Figure 9-1.

The magnetic survey delineates a magnetic high, likely an intrusive body from the tombstone plutonic suite, in the southwest portion of the project area. Adjacent to this high are abrupt magnetic lows over the reserve trend mineralization. The mineralization at Classic and Lone Star appears to be associated with a magnetic high that may be a result of elevated magnetite and or pyrrhotite content.

The resulting data obtained from this survey has highlighted several areas for future exploration.

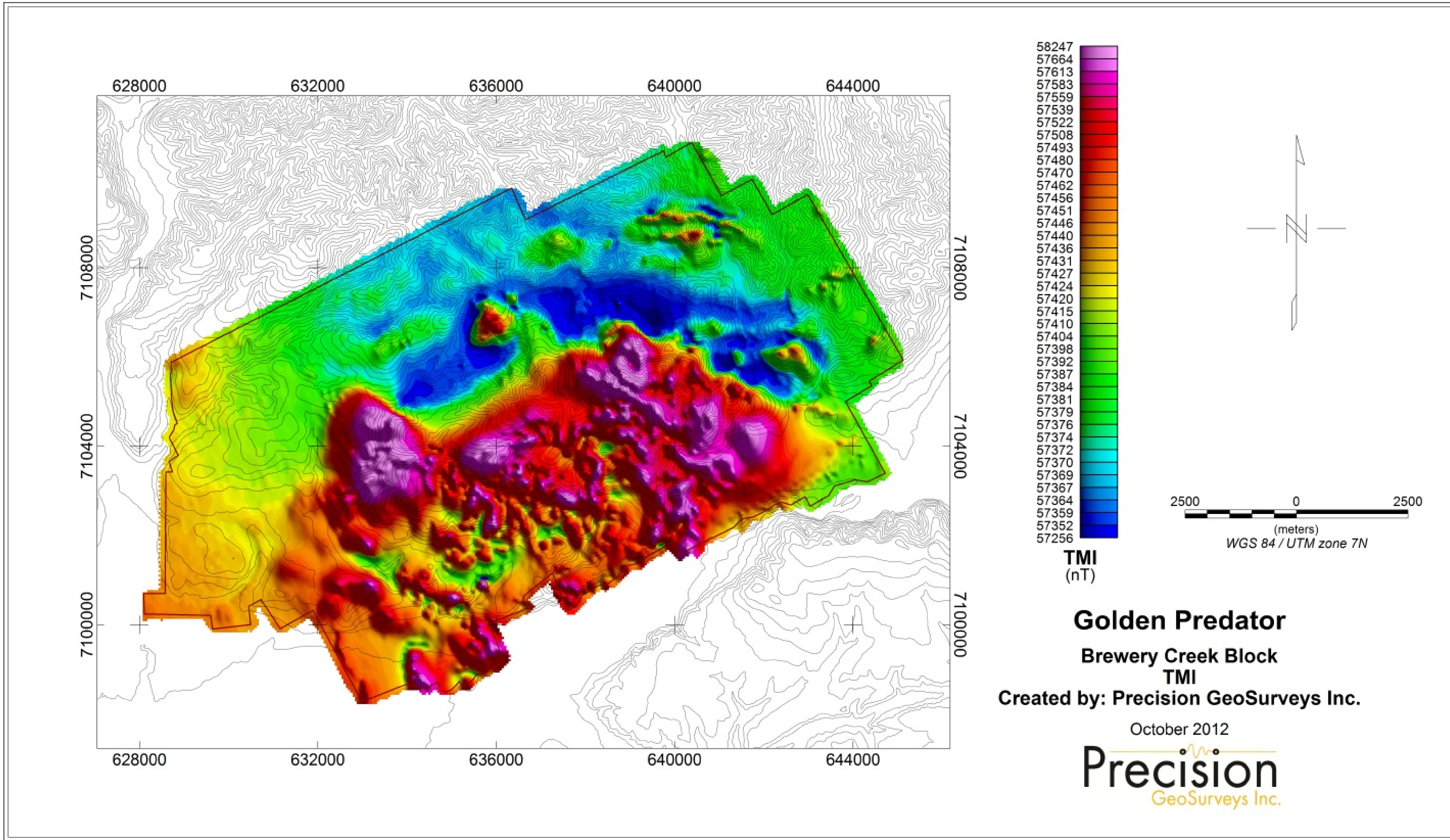


Figure 9-1 2011 Magnetic Survey Results, Source: Walker (2012)

9.2.2 Soil Sampling Survey

The 2011 soil sampling survey (Figure 9-2) was conducted at the southern portion of the property, and the eastern claim extension including the Sleeman zone. The sample program was an in-fill program to obtain closer spaced data points in between earlier soil sampling events. Samples were collected at 50 meters spacing's with soil lines being 100 meters apart and lines over the Sleeman main zone being 50 meters apart. The southern soil survey covered approximately 9 km2, and the Sleeman/claim extension covered approximately 7.4 km2. Procedures were in place for collecting in areas of great talus cover, and duplicate samples were taken to ensure sample quality. A total of 4,305 samples were collected over the area including duplicates.

The combined results of all the soil sampling programs (Figure 9-3) refined the Lone Star area anomaly, refined scattered anomalies between Lone Star and Sleeman and highlighted some low level anomalies east of the reserve trend.

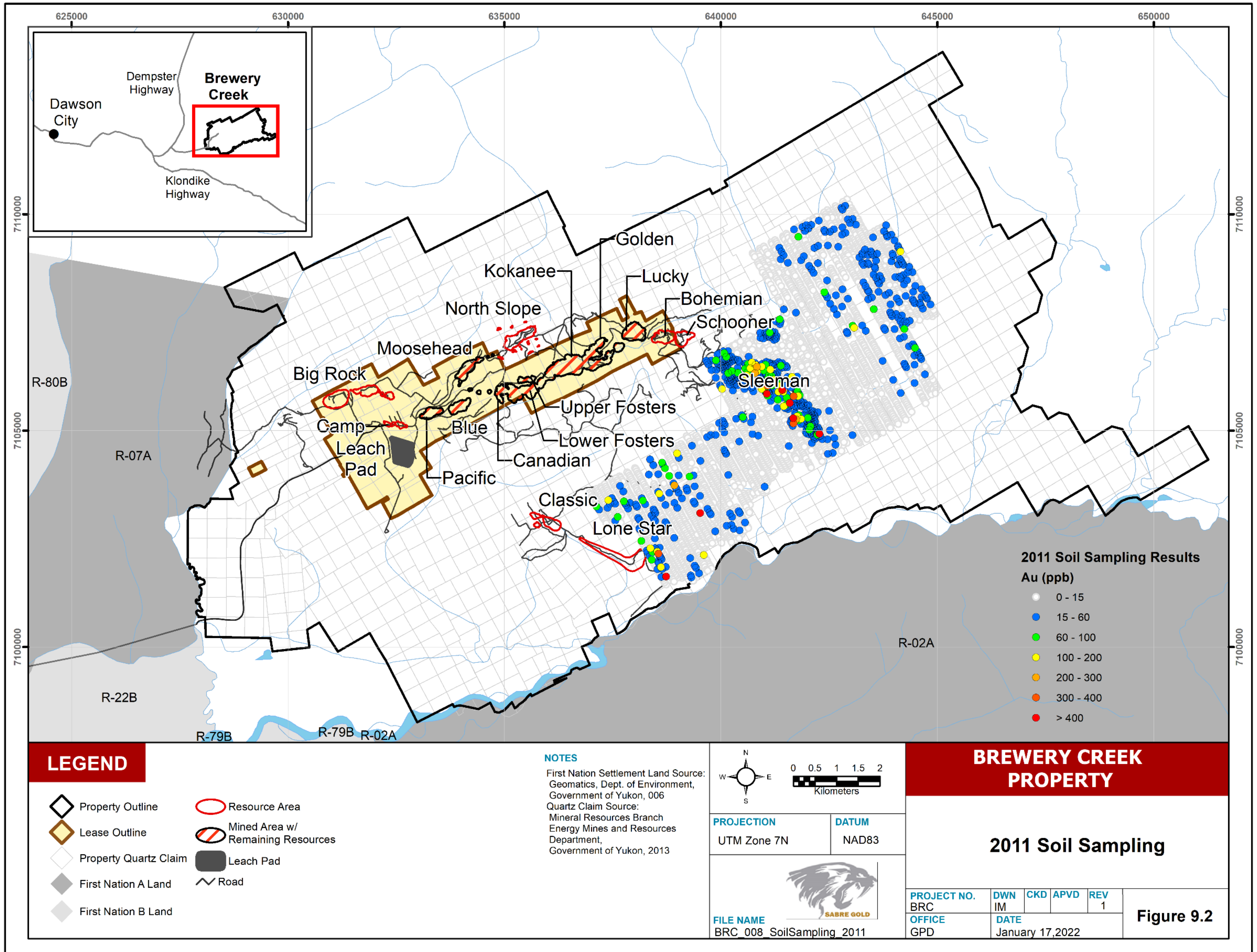


Figure 9-2 Soil Sampling Survey, Source: GPY (2013)

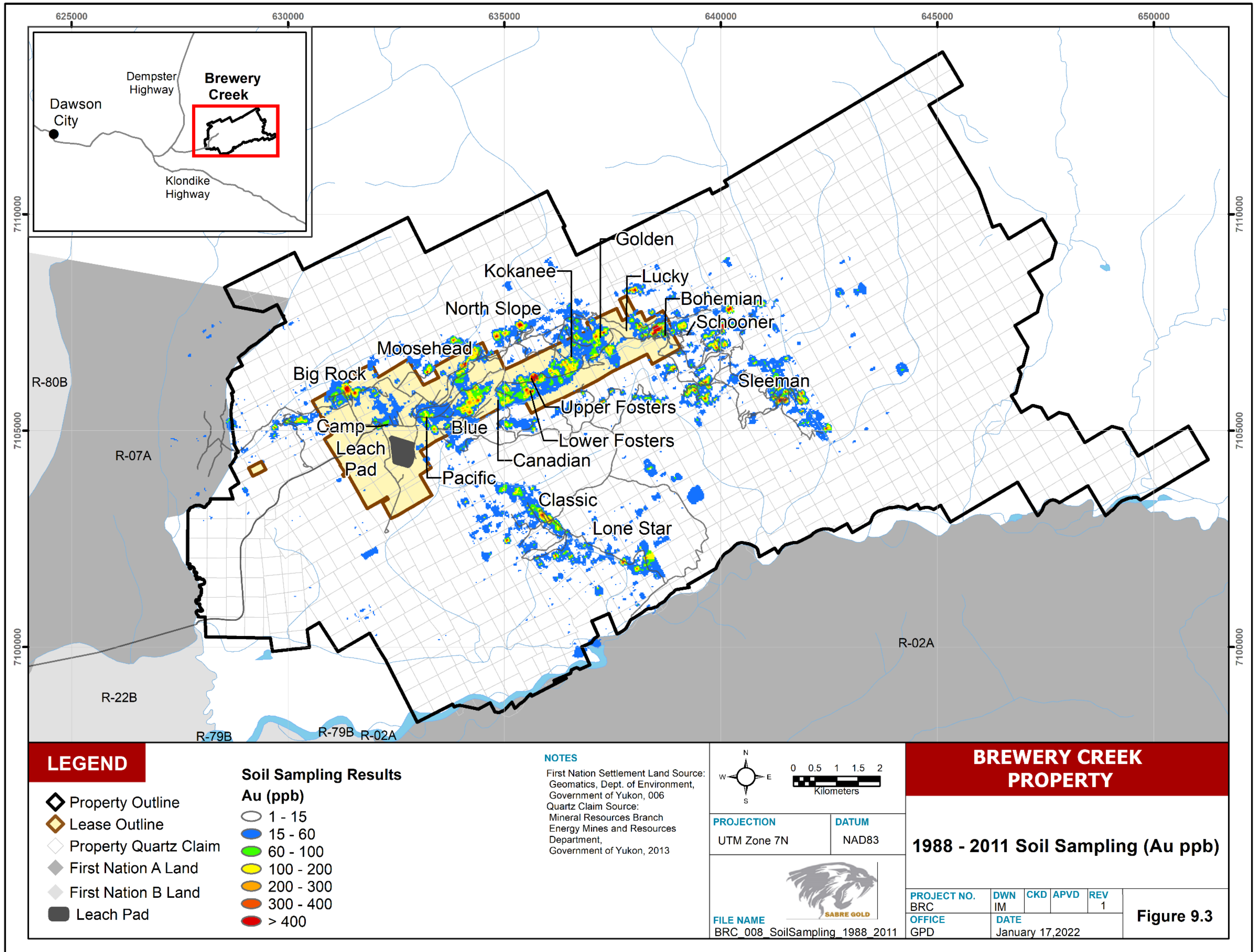


Figure 9-3 1988-2011 Soil Sampling, Source: GPY (2013)

9.2.3 Survey

During 2011, Aurora Geosciences of Whitehorse, YT was contracted to conduct an induced polarization (IP) survey over the Sleeman zone at the eastern portion of the property.

The IP survey conducted by Aurora Geoscience covered a line distance of 19.8 kilometers and covered an area of approximately 4.3 km2 over the Sleeman Zone. Lines were cut and picketed using handheld GPS units, which were also used to mark electrode and current injection points. Modified pole dipole arrangement of the electrodes was used for this survey with dipole spacing at 50 meters on all lines. The survey started with 50 meter – 10 conductor cables until the temperature dropped below -10 degrees Celsius. From there, the survey was done with a 10 channel – 500-meter wire bundle until the terrain became too steep and the snow too deep. The survey was then finished with 50 meters – 6 conductor cables with a 4 channel – 200-meter wire bundle.

9.3 Significant Results and Interpretation

GPY utilized the exploration results to guide drilling activities. The magnetic survey delineates a magnetic high, likely an intrusive body from the tombstone plutonic suite, in the southwest portion of the project area. Adjacent to this high are abrupt magnetic lows over the reserve trend mineralization. The IP survey identified a resistivity low near the surface which may indicate the location of the structure associated with mineralizing fluid flow.

10.0 DRILLING

The summary information of the Brewery Creek Project drilling is presented in Table 10-1and Figure 10-1 below. For drillhole locations by resource area, see Section 14. GPY (now Sabre gold) conducted drilling from 2009 through October 2012. In 2018 GYP completed 9 core holes and 13 metallurgical holes, and in 2019 they drilled 177 holes.

Table 10-1
Summary of Drilling Conducted by GPY (now Sabre Gold)

Drill Series	Year Drilled	Operator	Drill Type	No. DHs	Total Meters Drilled
BC09	2009	GPY	Core	30	4,981
BC10 RC10	2010	GPY	Core RC	13 16	2,413 2,352
BC11 RC11 BCS	2011	GPY	Core RC Sonic	209 135 18	31,054 24,196 266
BC12 RC12	2012	GPY	Core RC	197 79	22,227 9,623
BC18 BCM18	2018	GPY	Core Core	9 13*	828 880.5*
BC19	2019	GPY	Core	9	678
RC19			RC	137	15,623
HL19			Auger	31	343
Total				**883**	**114,584**

*Note: Data from only 2 holes from the 2018 Metallurgical Program totaling 72m was available as core from those holes was assayed on individual intervals.

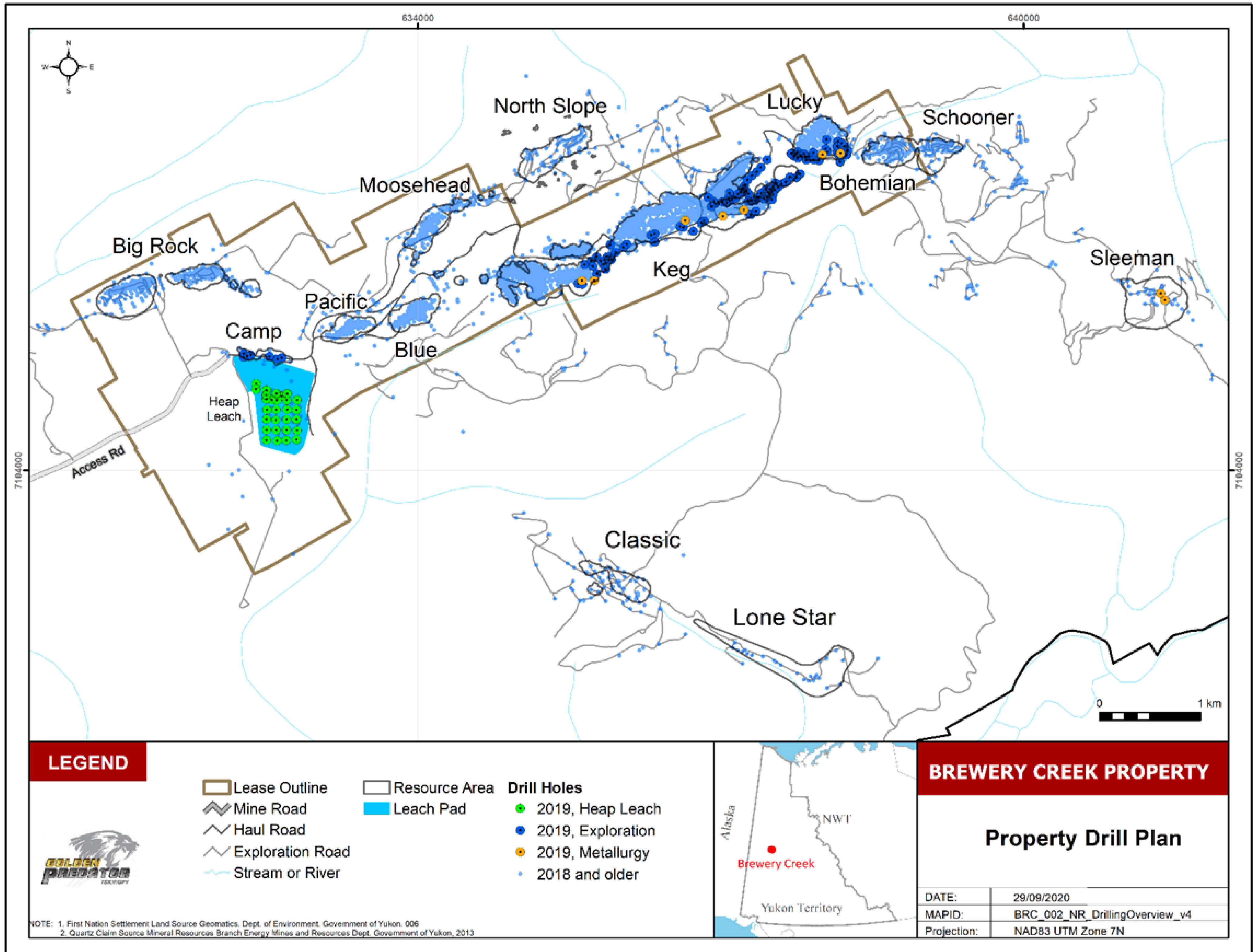


Figure 10-1 Drilling Locations, Source: GPY (2020)

10.1 Type and Extent

10.1.1 Diamond Drilling (2009)

Core drilling in 2009 was completed by Kluane Drilling of Whitehorse, YT, using a KDHT-1000 rig drilling NTW diameter core (56.23 mm). Core was drilled in 3m runs, collected and placed in labeled boxes, and delivered to the on-site core shack at each shift change. GPY staff conducted geotechnical logging, geologic logging, and sampling on-site. Downhole surveys were completed with a Reflex-EZ shot tool at 16m intervals. Collars surveys were completed by a professional land surveyor.

10.1.2 RC Drilling (2010)

RC drilling in 2010 was conducted by Orbit-Garant of High River, AB, using an 11.4 cm (4½in) diameter bit and interchange system. All sampling was conducted at 1.52 meters (5 ft) intervals and drilling was conducted dry (without added water) until groundwater was encountered. A riffle splitter was used to reduce dry cuttings to a preferred 12.5% split for each interval. A hydraulic rotary splitter was used for sampling if/when wet drilling conditions occurred. Wet sample splits were targeted at the same 12.5% of cuttings as with dry sample splits. Hubco® Sentry II sample bags were used to allow water to escape while retaining fines. Reject material (remaining 87.5%) was also collected for the purpose of future evaluation, assay checks or metallurgical testing.
An on-site geo-technician ensured the splitter was cleaned properly between runs and that sampling was conducted to GPY standards. Additionally, geo-technicians collected a small representative sub sample from each reject bag, washed and placed the representative pieces into plastic chip trays for logging purposes. Detailed geological logs were completed for all holes using a binocular microscope.

Collars were monumented and surveys were completed by a professional land surveyor.

10.1.3 Diamond Drilling (2010)

Core drilling in 2010 was completed by Peak Drilling of Courtenay, BC. Peak used an EF-50 rig drilling HQ diameter core (63.5 mm). Core was drilled in 3 meters runs, each of which was oriented when possible, and placed appropriate, labeled core boxes. Boxed core was delivered to the on-site core shack, where GPY staff conducted geotechnical logging, geologic logging and sampling. Downhole surveys were completed with a Reflex-EZ shot tool every 16 m. Collars were monumented and surveys were completed by a professional land surveyor.

10.1.4 RC Drilling (2011)

RC drilling in 2011 was conducted by Boart Longyear of Calgary, AB, and Midnight Sun Drilling Inc. of Whitehorse, YT, using an 11.4 cm (4 ½ in) diameter bit and interchange system. All sampling was conducted at 2 meters intervals and drilling was conducted dry (without added water) until groundwater was encountered. A riffle splitter was used to reduce dry cuttings to a preferred 12.5% split for each interval. A hydraulic rotary splitter was used for sampling if/when wet drilling conditions occurred. Wet sample splits were targeted at the same 12.5% of cuttings as with dry sample splits. Field duplicates were generated by halving the 12.5% split sample material. Tyvek® sample bags were used to allow water to escape while retaining fines.

All drill crew samplers were trained by GPY staff members on sampling. Geo-technicians also collected samples and ensured that proper order was kept during the sampling procedure. The drill crew collected small representative sub-samples from each sample bag, washed them, and inserted them into plastic chip trays for logging purposes. Detailed geological logs were completed for all holes using a binocular microscope.

Collars were monumented and surveys were completed by either a professional land surveyor or by GPY staff using a survey-grade DGPS instrument.

10.1.5 Diamond Drilling (2011)

Core drilling in 2011 was conducted by Kluane Drilling or Whitehorse, YT and Peak Drilling of Courtenay, BC. Kluane Drilling used the KDHT-1000 described above, and a KD600, which also drilled NTW core but only with the capacity of 350 meters deep holes. Peak drilling used a Hydracore 2000 and an EF-50. Peak's EF-50 drilled HQ size core (63.5 mm) which had the capacity to drill to 760 meters. Boxed core was delivered to the on-site core shack, where GPY staff conducted geotechnical logging, geologic logging and sampling. Downhole surveys were completed with a Reflex-EZ shot tool at 16 meters intervals. Collars were monumented and surveys were completed by either a professional land surveyor or by GPY staff using a survey-grade DGPS instrument.

10.1.6 Sonic Drilling (2011)

In July of 2011 GPY completed an 18-hole, sonic drilling campaign on the reclaimed leach pad. This program was designed to acquire information on the metallurgical characteristics of heap leach material as well as to collect data for a heap leach reactivation. The drilling was completed by Boart-Longyear out of Calgary, AB using a track mounted sonic drill. The machine drilled a 10 cm diameter hole by sonically advancing the core barrel followed by casing. Samples were extracted from the core barrel into PVC piping of the same diameter. Sonic sampling occurred at 1.52 meters (5 ft) intervals.

10.1.7 Diamond Drilling (2012)

In 2012, drilling was conducted by Kluane Drilling of Whitehorse, YT with a KDHT-1000, and by Matrix Diamond Drilling Inc of Kimberly, BC with an A5 drill. Boxed core was delivered to the onsite core shack, where GPY staff conducted geotechnical logging, geologic logging and sampling.

Downhole surveys were completed with a Reflex-EZ shot tool at 16m intervals. Collars were monumented and surveys were completed by GPY staff using a survey-grade DGPS instrument.

10.1.8 GPY (2018)

GPY performed exploration drilling in 2018. Drilling consisted of 9 exploration core holes in 6 resource areas, and 9 core holes drilled to collect metallurgical samples. The exploration holes have been included in the database for the current resource estimates, along with results from the 2 metallurgical holes which were sent for exploration assay. The remaining holes were composited for metallurgical sample and the data are not appropriate for resource estimation.

10.1.9 GPY (2019)

The 2019 work program at Brewery Creek consisted of 15,623m (137 holes) of reverse circulation development drilling, 678m (9 holes) of core metallurgical drilling and 343m (31 holes) of auger development drilling. Reverse circulation development and core metallurgical drilling focused on the then permitted portion of the Reserve Trend to continue expanding the oxide gold resource over a 3.5 km strike length. The auger development drilling was located on the historic heap leach pad which was operated by Viceroy Gold from 1996 through 2002.

A summary of the 2019 drilling includes 4,650m of drilling was in 39 drill holes in the Lucky Zone, and 7,854m of drill in the Golden Zone in 65 drill holes which included drilling in the newly identified Golden Gap area. A total of 2,732m of drilling was completed in 26 drill holes in the Foster/Kokanee Zone which included the newly identified Fosters Gap area, and 387m of drilling was completed in the Camp zone in 7 drill holes. A total of 10,233 samples were submitted for fire assay analysis with 265 (2.6%) samples returning values greater than 1.0 g/t gold and 900 (8.8%) samples returning values greater than 0.25 g/t gold. A total of 118 drill hole encountered gold grades greater than 0.25 g/t Au over 1.52m.

Significant drill intercepts from each zone included 36m of 1.7 g/t gold in drill hole RC19-2673 from the Lucky Zone, 12.2m of 2.60 g/t gold in drill hole RC19-2624 from the Golden Zone, 27.4m of 3.21 g/t gold in drill hole RC19-2573 from the Fosters Zone and 24.4m of 0.61 g/t gold in drill hole RC19-2553 from the Camp Zone.

The 2019 development reverse circulation drill program focused on two structural zones, the Fosters Gap (between Fosters and Kokanee) and the Golden Gap (between Golden and Lucky). These areas are on strike with known gold mineralization but had not previously been drill tested. The two zones did not have strong gold in soil geochemical signatures, however; work this year showed that both of these zones have a veneer of Quaternary wind deposited loess which explains the poor geochemical response. The results from both zones were better than expected with mineralized intercept in more than 80% of the 137 drill holes. Figure 10-2 references the 2018-2019 drillholes to all other hole locations.

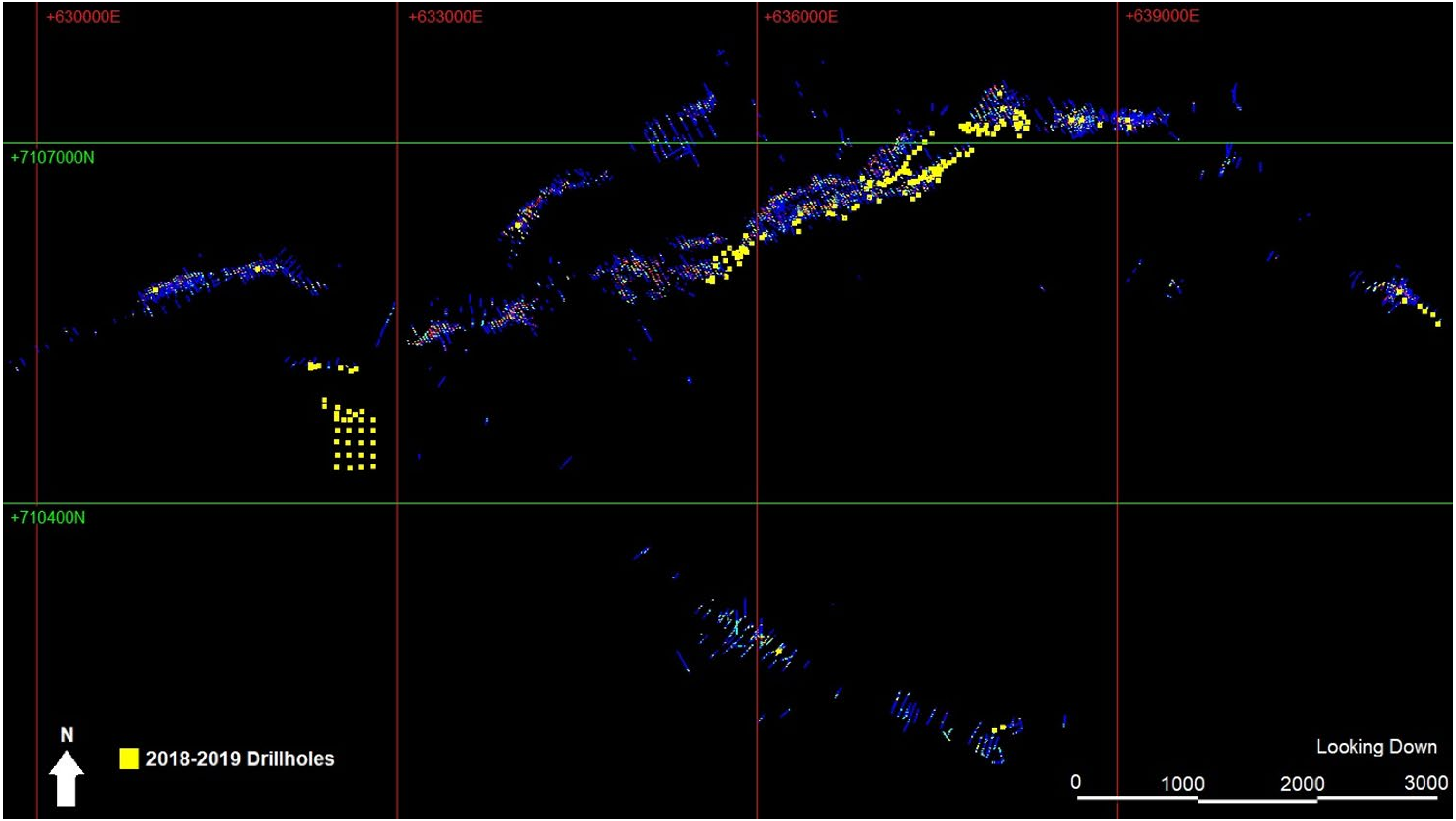


Figure 10-2 Plan view of drillholes displaying locations of 2018-2019 drilling

10.1.10 GPY (2020)

The 2020 program consisted of 60 drill holes for 5,600 m of drilling including 4,400 m of exploration and in-fill drilling plus 1,200 m of metallurgical and geotechnical drilling.

A total of 14 PQ diamond drill holes totaling 540 m were completed in Foster-Canadian-Kokanee-Golden and Lucky pit areas. The program was designed to obtain mineralized material from the Fosters, Kokanee, Golden and Lucky areas for additional column leach tests.

A total of 11 geotechnical/hydrogeologic drill holes were completed. A total of 975 m of drilling was completed in 8 diamond drill holes (792 m) and 3 reverse circulation drill holes (182 m). The diamond drill program was consisted of oriented, HQ3 core to support detailed fracture analysis of lithologies in the proposed pit walls at Foster-Canadian-Kokanee-Golden and Lucky and three of these were completed with piezometers. The 3 reverse circulation drill holes were drilled and completed as hydrogeologic monitor wells.

The 32 reverse circulation drill holes totalling 3,706 meters were drilled in 2020 and were designed to test for the continuation of mineralization between the eastern Golden zone and western Lucky zone. The targeted mineralization between these zones has been offset by a high-angle normal fault and was previously untested until 2019 when the zone was intersected with multiple drill holes. Results of the drilling showed the mineralization continued as thin faulted blocks that are poorly oxidized.

The 2020 drill program, targeted newly defined extensions of the Classic/Lone Star porphyry-style intrusive, with 3 reverse circulation holes totaling 687 m. The holes were very wide step-out holes drilled at significant distances from any existing drilling at the Classic and Lone Star areas.

Two of the drill holes (RC20-2710 and RC20-2711) were located approximately 500 metres from each other and at least 650 metres southeast of the closest previous drilling within the Classic and Lone Star zones. These holes targeted an area defined by anomalous gold and arsenic soil and rock chip geochemistry within the Classic/Lonestar structural zone. The third drill hole (RC20-2711), located approximately 1,330 metres to the east of the nearest previous drilling, tested a coincident aeromagnetic and radiometric anomaly indicating a structural zone along the margin of a biotite monzonite intrusive within an area of spotty gold and arsenic-in-soil geochemistry. All three drill holes encountered multiple fault zones and variable amounts of intrusive rock as dikes/sills within the structural zones.

Due to the wide spacing of the step out holes and current estimation parameters, the 2020 drilling cannot be incorporated into the mineral resource estimate. It remains and indicator of potential expansion areas in the future.

10.2 Summary of All Drilling Data

Table 10-2 summarizes all drilling that has been conducted for target areas through the Effective Date of the Mineral Resource.

Table 10-2
Summary of Drilling for Resource Estimate Areas

Area	Operator	Core Drilling		RC Drilling		Total Drilling	
		No. DHs	Meters	No. DHs	Meters	No. DHs	Meters
Bohemian	Loki	0	0	11	642	11	642
	Viceroy	0	0	96	7,287	96	7,287
	Alexco	3	410	0	0	3	410
	GPY	38	4,263	6	713	44	4,976
	Subtotal	*41*	*4,673*	*113*	*8,642*	*154*	*13,315*
Schooner	Viceroy	0	0	11	1,248	11	1,248
	GPY	81	8,394	5	428	86	8,822
	Subtotal	*81*	*8,394*	*16*	*1,676*	*97*	*10,070*
Fosters (Upper and Lower)	Norex	5	640	3	432	8	1,072
	Loki	13	586	371	14,899	384	15,485
	Viceroy	2	274	9	365	11	639
	GPY	20	1,729	22	1,513	42	3,242
	Subtotal	*40*	*3,229*	*405*	*17,209*	*445*	*20,438*
West Big Rock	Loki	0	0	25	1,592	25	1,592
	Viceroy	1	141	45	2,412	46	2,553
	GPY	59	6,068	30	3,644	89	9,712
	Subtotal	*60*	*6,209*	*100*	*7,648*	*160*	*13,857*
East Big Rock	Loki	0	0	14	744	14	744
	Viceroy	0	0	80	4,736	80	4,736
	GPY	17	1,925	20	1,981	37	3,906
	Subtotal	*17*	*1,925*	*114*	*7,461*	*131*	*9,386*
Classic	Loki	0	0	11	1,099	11	1,099
	Viceroy	0	0	11	1,634	11	1,634
	Alexco	2	308	0	0	2	308
	GPY	15	3,780	30	6,658	45	10,438
	Subtotal	*17*	*4,088*	*52*	*9,391*	*69*	*13,479*
Lone Star	GPY	17	3,865	12	2,283	29	6,148
Kokanee-Golden	Norex	0	0	4	386	4	386
	Loki	29	1,379	482	24,795	511	26,174
	Viceroy	14	1,366	377	20,326	391	21,692
	GPY	7	1,721	88	11,075	95	12,796
	Subtotal	*50*	*4,466*	*951*	*56,582*	*1,001*	*61,048*
Lucky	Loki	3	215	61	3,920	64	4,135

Area	Operator	Core Drilling		RC Drilling		Total Drilling	
		No. DHs	Meters	No. DHs	Meters	No. DHs	Meters
	Viceroy	0	0	102	6,283	102	6,283
	GPY	0	0	46	5,559	46	5,559
	Subtotal	*3*	*215*	*209*	*15,762*	*212*	*15,977*
Pacific-Blue	Norex	0	0	0	0	0	0
	Loki	16	776	152	8,091	168	8,867
	Viceroy	7	497	38	1,934	45	2,431
	Spectrum	2	401	0	0	2	401
	Alexco	1	167	0	0	1	167
	GPY	17	2,834	3	416	20	3,250
	Subtotal	*43*	*4,675*	*193*	*10,441*	*236*	*15,116*
North Slope	Loki	0	0	17	1,032	17	1,032
	Viceroy	2	533	12	1,806	14	2,339
	GPY	30	6,125	79	14,828	109	20,953
	Subtotal	*32*	*6,658*	*108*	*17,666*	*140*	*24,324*
Sleeman	Loki	0	0	7	502	7	502
	GPY	60	10,872	0	0	60	10,872
	Subtotal	*60*	*10,872*	*7*	*502*	*67*	*11,374*
Camp	GPY	0	0	7	387	7	387
	GPY	Auger Drilling				31	343
GPY Only		*361*	*51,576*	*348*	*49,486*	*740*	*101,405*
Total		**905**	**114,673**	**4,555**	**308,632**	**5,491**	**423,648**

10.3 Interpretation and Relevant Results

Most of the mineralized intrusive sills strike northeasterly and dip relatively shallowly to the southeast. Many of the older holes were drilled vertically so the apparent intersected length is slightly longer than the actual true thickness of the mineralized zones. Many of the GPY core and RC holes were drilled as angle holes to intersect the mineralized zones at a near perpendicular angle.

Brewery Creek has been explored and modeled as a series of individual pods along a trend. Surface mapping and geochemistry have not shown strong continuity, though this appears to be a factor of surficial deposits of loess and/or permafrost and not of a lack of geological continuity in these areas. The success in filling in the Fosters Gap and Golden Gap show that the gaps between the pods there is an opportunity to connect these pods with mineralized material. There is another gap between Lucky and Bohemian that exhibits similar behavior. Although there are offsetting structures in this area, they have not been shown to limit mineral deposition.

11.0 SAMPLE PREPARATION, ANALYSIS AND SECURITY

11.1 Collection Methods

11.1.1 Historical Sampling by Norex (1989)

Information for the Norex sampling preparation and analysis program were not available at the time of reporting. A total of 7 diamond drillholes and 11 RC holes from this campaign were drilled within the Fosters-Canadian, Moosehead, and Kokanee-Golden area discussed in this report. The material surrounding the significant mineralized intervals of these holes has now been mined and these holes do not contribute to the current Mineral Resources found on the property, thus their sampling methodology is considered irrelevant to this report.

11.1.2 Historical Sampling by Loki and Viceroy (1990 – 1999)

The details of core and RC drill sample preparation, QA/QC, analysis and security procedures prior to 2004 are generally absent in the project files. Based on Viceroy drill and sample logs, samples were logged and collected on continuous 2 meter intervals downhole and submitted to the mine site laboratory for gold assay and metallurgical test work (Table 11-1). Based on data verification work reported in Section 12 of this report, Gustavson is of the opinion that these historical data are suitable for use in resource estimation.

Table 11-1
Historical Analytical Laboratories

Period	Operator	App. Samples	Laboratory	Analytical Method
1989	Norex	1,300	Norex	Hot Aqua Regia Digestion with AA Analysis
1990-1992	Loki	18,000	Acme	Hot Aqua Regia Digestion with AA Analysis
1993-1995	Loki	18,000	Terramin	30g Fire Assay with AA Finish
1996-1999	Viceroy	29,000	Brewery Creek Mine	30g Fire Assay with AA Finish
2004	Spectrum	382	ALS Chemex	30g Fire Assay with AA Finish
2006	Alexco	783	ALS Chemex	30g Fire Assay with AA Finish

11.1.3 Historical Sampling by Spectrum and Alexco (2004 and 2006)

Sampling procedures in 2004 and 2006 were as follows. The geologist laid out each sample by marking the start and end of the sample in red marker on the core. The first part of the sample tag was stapled onto the core box at the start of the sample. If the next sample was a standard, blank or duplicate, that sample tag was stapled onto the box next to the previous tag. The second part of the sample tag was then placed into a plastic sample bag and the number written in marker onto the bag. The core was then transferred to the core cutting area.

The core was cut in half longitudinally using a 14-inch core saw. The technician placed one half of the core into the sample bag with the corresponding sample tag stapled on the core box. When a second tag was beside the first tag, the technician placed either the blank material or standard material into the next sample bag, based on what was written on the sample tag. When the second tag called for a duplicate, the technician placed an empty sample bag with a sample tag included into the previous sample. Each bag was then closed and secured with a zap strap.

Once twenty sample bags were collected (a complete batch), each batch was placed into rice sacks and labeled with the batch number, bag number, sample numbers within batch, and ALS Chemex's North Vancouver address. Each rice bag was then taped shut and secured with a zap strap. Twice a week, the rice bags were delivered to Mayo and placed on the Kluane Transport Ltd. truck for Whitehorse, where it was shipped to Northwest Freight Systems for transportation to ALS Chemex (ALS) in North Vancouver.

11.1.4 GPY's Core Sampling (2009-2012)

Sampling procedures used from 2009 through 2012 were as follows. Core was oriented (when applicable), retrieved from the barrel, cleaned, placed into boxes and transported to the on-site core logging facility by either drilling crew or GPY staff. Upon arrival at the logging facility, core was logged and tagged for sample breaks. Sample tags, labeled with numeric sample ID, were then attached to core boxes at appropriate sample break points. A preferred sample interval of 2 meters was used whenever possible, but varying sample intervals were used to honor lithologic contacts, significant structural features, alteration and mineralized intervals. Prior to sampling, geotechnical and oriented structural measurements were recorded, specific gravity of select lithologic units was measured and the core was photographed.

A diamond saw located at the on-site core logging facility was used to sample halved core; field duplicates were generated using ¼ core samples. Samples were placed in pre-labeled poly bags and grouped into batches within labeled, sealed/secured rice sacks in preparation for shipment to the lab. Unsampled ½ core was returned to the original core box for storage on-site.

Batch sizes in 2009 and 2010 consisted of 36 samples, including QA/QC SRM (Au standards and blanks) and field duplicates. Mid-season 2011, batches were increased from a 36-sample count to include all samples for each drillhole. This method of whole-hole batch sizing has been used consistently since the 2011 change, and throughout the 2012 program.

11.1.5 GPY's RC Sampling (2010-2011)

In 2010 and 2011, RC drill samples were collected from an 11.4 cm (4 ½ in) diameter drillhole with a uniform 1.52 meters (5 ft) sample interval. Dry cuttings were funneled from the cyclone through a three-tier Jones (riffle) splitter, setup to gather 12.5% of the returned material. A hydraulic rotary splitter was used for sampling if/when wet drilling occurred. Wet sample splits were targeted at the same 12.5% of cuttings as with dry sample splits. All samples were contained in pre-labeled Hubco® Sentry II or Tyvek® bag, which allows for water drainage while retaining fines.

Each sample was identified using a blind assay tag number placed in the sample bag. The corresponding sample number was also written on the sample bag. Bags were sealed and collected at the drill, placed into pre-labeled rice bags and were transported to the logging area by either the drillers or GPY staff.

In 2010, sample batches of 36 were accumulated for shipment: each batch of 36 samples included, one blank, one standard reference material, and one duplicate. Field duplicates were generated by splitting the remaining (87.5%) sample material. In 2011, field duplicates were generated by halving the 12.5% sample split with a box splitter. Entire holes were placed in apple crates and shipped as individual batches, which included inserted blank and standard reference material.

11.1.6 GPY's RC Sampling (2012 and 2019)

In 2012, RC samples were collected over 1.52-meter intervals from an 8.89 cm (3 ½ in) diameter hole. Dry cuttings were funneled from the cyclone through the three-tier Jones (riffle) splitter, setup to gather 12.5% of the returned material. A hydraulic rotary splitter was used for sampling if/when wet drilling occurred. Wet samples were targeted at the same 12.5% of cuttings as with dry sample splits. All samples were contained in Sunset Manufacturing BVLBL bags, which were pre-labeled. These bags allowed for drainage of excess water while retaining fines.

Each sample was identified using a blind assay tag number placed in the sample bag. The corresponding sample number was also written on the sample bag. Bags were sealed and collected at the drill and transported to the logging area by either the drillers or GPY staff. After a period of time for draining of excess water, bags were placed in pre-labeled sample bins (apple crates) with a corresponding batch label (batched by hole). Field duplicates were generated by halving the 12.5% sample split with a box splitter. Entire holes were placed in apple crates and shipped as individual batches which included blank, standard reference material, and the aforementioned duplicates.

11.2 Sample Analytical Methods

11.2.1 Historical Analytical Methods by Norex (1989)

Analytical methods used by Norex are unknown.

11.2.2 Historical Analytical Methods by Loki, and Viceroy (1990 – 1999)

Drill logs and laboratory certificates recovered from Loki/Viceroy drilling campaigns indicate that analysis was conducted using aqua regia digestion with atomic absorption finish during the years 1990 through 1992 at ACME laboratories. The method was changed to 30g fire assay using atomic absorption finish during Loki/Viceroy drilling between the years 1993-1999 at Terramin Labs and the on-site laboratory.

Some of Loki and Viceroy's samples were assayed at ALS, though actual methods used are not known.

11.2.3 Historical Analytical Methods by Spectrum (2004)

The analytical methods used by ALS for the Spectrum 2004 drill samples were as follows. ALS sample preparation (Prep 31) procedure, which involves finely crushing the entire sample to better than 70% -2 mm, splitting off up to 250 g and pulverizing the split to better than 85% passing 75 microns. Gold was analyzed by ALS procedure Au-AA-25, a fire assay - atomic absorption finish method. Samples were also assayed for 34 metals by ME-ICP41, an aqua Regia digestion and analysis by inductively coupled plasma-atomic emission spectroscopy (ICP-ES).

11.2.4 Historical Analytical Methods by Alexco (2006)

The analytical methods used by ALS for the 2006 drill samples were as follows. ALS sample preparation (Prep 31), then assayed for gold by Au-AA25, see Section 11.2.3 for description. Analysis for an additional 27 elements was completed using ALS method ME-ICP61, a hot four-acid digestion and analysis by ICP-ES.

11.2.5 GPY's Analytical Methods (2009)

ACME Analytical Laboratories of Vancouver, B.C. performed all sample preparation and analyses. ACME Analytical Laboratory is certified by ISO 9001:2008 FM 63007.

Core samples were logged and sampled at the project site under the supervision of the project geologist and then expedited in sealed bags to Whitehorse where they were shipped via common carrier to Vancouver. After being received and logged in at the laboratory, a 2 kg split of core was dried then crushed to 80% -10 mesh. A 250 g split was then pulverized to 85% -200 mesh (Sample Preparation Method R200-250).

A 15 g split of each sample was analyzed by ICP-MS after Aqua Regia digestion to yield a 37-element scan (Method 1F01). All samples yielding greater than 500 ppb gold then underwent a 30 g fire assay with an ICP-ES finish (Method G6). QA/QC procedures followed for the diamond drilling program include submittal of assay standards for analysis approximately every 30 samples as well as a blank and a duplicate sample of quarter core at approximately the same frequency.

11.2.6 GPY's Analytical Methods (2010)

All drill core and RC chips samples in 2010 were received at the ALS Chemex sample prep facility in Whitehorse, YT and analyzed by ALS Chemex in Vancouver, BC. ALS Chemex Laboratory in Vancouver Canada is certified by ISO 9001:2008 and ISO/IEC 17025:2005. Identical procedures were used for both RC and core samples. Samples were prepared in accordance with Prep 31 requirements, as described in Section 11.2.3. Samples were assayed for gold by Au-AA23, with reporting limits of 0.005 to 10 g/t. Samples were also analyzed for 35 elements by ME-ICP41.

11.2.7 GPY's Analytical Methods (2011)

Drill core and RC samples in 2011 were received at either ALS Minerals Whitehorse, YT sample prep facility or at one of ACME Laboratories Dawson City, YT or Whitehorse, YT sample prep facilities. Sample analysis was conducted by either ACME Laboratories, Vancouver, BC or by ALS Minerals, Vancouver, BC or Reno, NV.

Samples sent to ACME were prepared using Method R200-250, as described in Section 11.2.5. ACME assayed for gold by Method G6, 0.005g/t detection limit, 10 g/t upper limit, fire assay of 30g Atomic Absorption finish (Automatic Gravimetric Overlimit); and by Analytical Method Code 7TD1 for silver only (2g/t detection limit), which consists of hot 4-Acid digestion of 1g minimum pulp for sulfide and silicate mineralized materials followed by ICP-ES analysis.

Samples submitted to ALS are prepared using method Prep 31, as described in Section 11.2.3, followed by gold assay by Au-AA23, and for 35 elements by ME-ICP41, as described in Section 11.2.6.

11.2.8 GPY's Analytical Methods (2012-2019)

GPY's 2012 samples were prepared by Prep 31, as described in Section 11.2.3, followed by gold assay by Au-AA23 as described in Section 11.2.6. Some samples were analyzed for multielements by ME-ICP41, as described in Section 11.2.6. All samples that returned gold grades above 200 ppb (0.2 g/t) were re-analyzed by cyanide leach and gold preg-robbing methods (Au-AA31 and Au-AA31a).

Part way through their 2012 drilling campaign, GPY ran cyanide leach analyses (AuAA13) on all intrusive samples where the initial fire assay grade was above 0.2 g/t. At this time preg-rob testing was only applied to sedimentary samples.

11.3 GPY's Security Measures

During a site visit in March 2012, EBA reviewed the sample collection and processing protocol being implemented on site. The facilities in place at the time consisted of dedicated core receiving/logging, cutting and processing areas. Security and control on sample handing is measured through the process and is described in subsequent sections. RMI conducted a similar review of sample collection during a site visit in mid-October 2012.

All sampling was conducted under the supervision of a GPY project geologist and the chain of custody from the drill to the sample preparation and logging facility is continually monitored by the project geologist. Samples are shipped to the lab by qualified couriers or GPY personnel under security-tagged bags with independent identification numbers.

During Gustavson's site visit, no drilling or sampling were being performed, so sampling security measures were not observed directly. However, based on published periodic reviews by independent consultants, Gustavson is of the opinion that security measures are commensurate with industry standard practice.

11.4 QA/QC Samples

In summary, no QA/QC data were identified for assay data by Norex, Loki, and Viceroy, drilling conducted between 1989 and 1999. Available QA/QC results are described below.

11.4.1 Standards

Available standard samples and results as provided from GPY are summarized in Table 11-2. As shown on Table 11-2, of the 1,746 standard samples from 2004 through 2012, 6% of the standards exceeded the acceptance criteria, which was the certified standard result, plus or minus 3-times the certified standard deviation results. Gustavson notes that approximately two-thirds those samples that are outside the acceptance criteria were detected at levels below the acceptance criteria, potentially suggesting gold is more likely to be under-reported, rather than over-reported. Gustavson concludes that the available standard results are acceptable.

Table 11-2
Available Standard Samples and Results

Analysis Date	Standard Name	Upper Range	Lower Range	No. Samples	Total Samples Outside Range	Samples Over Range	Samples Under Range
2004	STD-B (Note 1)	1.36	1.15	11	2	1	1
2004	STD-A (Note 1)	6.3	5.2	12	1	1	0
2006	Std-PM182 (Note 1)	1.36	1.15	21	3	0	3
2006	Std-PM907 (Note 1)	6.25	5.17	24	2	0	2
2011	SRM_GSP2	0.24	0.18	20	0	0	0
2011	SRM_GS1F	1.36	0.96	17	2	1	1
2011	SRM_GS2E	1.73	1.31	3	0	0	0
2011	SRM_GS1P5C	1.75	1.37	42	3	0	3
2011	SRM_GS4B	4.18	3.37	10	0	0	0
2011	SRM_SN50	9.19	8.11	13	0	0	0
2012	SRM_GSp3B	0.47	0.35	131	2	1	1
2012	SRM_GS5J	5.59	4.33	4	1	0	1
2012	SRM_GSp3C	None Provided		1	--	--	--
2009, 2010	Std-NR	None Provided		28	--	--	--
2009, 2010, 2011	SRM_GS1D	1.2	0.9	56	11	10	1
2009, 2010, 2011	SRM_GS10C	10.69	8.73	32	1	1	0
2010, 2011	SRM_CM-7	0.49	0.36	8	0	0	0
2010, 2011	SRM_OXE74	0.67	0.56	45	0	0	0
2010, 2011	SRM_OXH66	1.38	1.19	29	0	0	1
2010, 2011	SRM_GS2F	2.52	1.8	11	0	0	0
2010, 2011	SRM_CGS-21			13	0	0	0
2011, 2012	SRM_GSP4A	0.49	0.39	410	34	7	27
2011, 2012	SRM_GS1P5D	1.7	1.25	457	25	3	22
2011, 2012	SRM_GS5G	5.37	4.17	348	23	14	9
Total Number of Samples				**1,746**	**110**	**36**	**72**
Percentage of Samples					**6%**	**35%**	**65%**

Note 1 – Results of identified standard samples were taken from EBA (2013b)

11.4.2 Blanks

A decorative stone (reddish shale) purchased from Home Hardware in Whitehorse, YT, was used as the blank material for both the 2004 and 2006 drill programs. Blank material for the 2009 program was sourced from an on-site sandstone outcrop located near the core storage area. This material was found to be unsuitable as it contains trace Au values and was not used in future programs. Blank material used for the 2010 to 2012 programs was a bull-quartz landscaping product called "Garden Quartz", packaged by Hillview Products of Barrie, ON.

Blank sample results are shown on Table 11-3. Gustavson considered those blank sample detections at levels less than 5-times the reporting limit (RL) to be acceptable. As shown in Table 11-3, of the 1,776 blank samples, 36 blank samples exceeded the 5-times reporting limit acceptance criterion. Gustavson concludes that the blank sample results are acceptable.

Table 11-3
Summary of Blank Sample Results

Gold Assay Method	Year	Reporting Limit (g/t)	Number of Blank Samples	Detections > 5*RL	% > 5*RL
ALS_Au-AA25	2004-2006	0.01	51	3	6%
ACM_1F	2009-2010	0.01	74	6	8%
ACM_G6	2009-2012	0.005	174	5	3%
ALS_Au-AA23	2010-2012	0.005	1,477	22	1%
Total Number of Samples			1,776	36	2%

Those blank samples containing gold at levels greater than 5-times the reporting limit are plotted on Figure 11-1. Gustavson notes that all of the blanks with detections greater than 5-times the reporting limit were noted in samples assayed in the Acme laboratory by the G6 Method or in the ALS laboratory by the AA23 Method: both with reporting limits of 0.005 g/t.

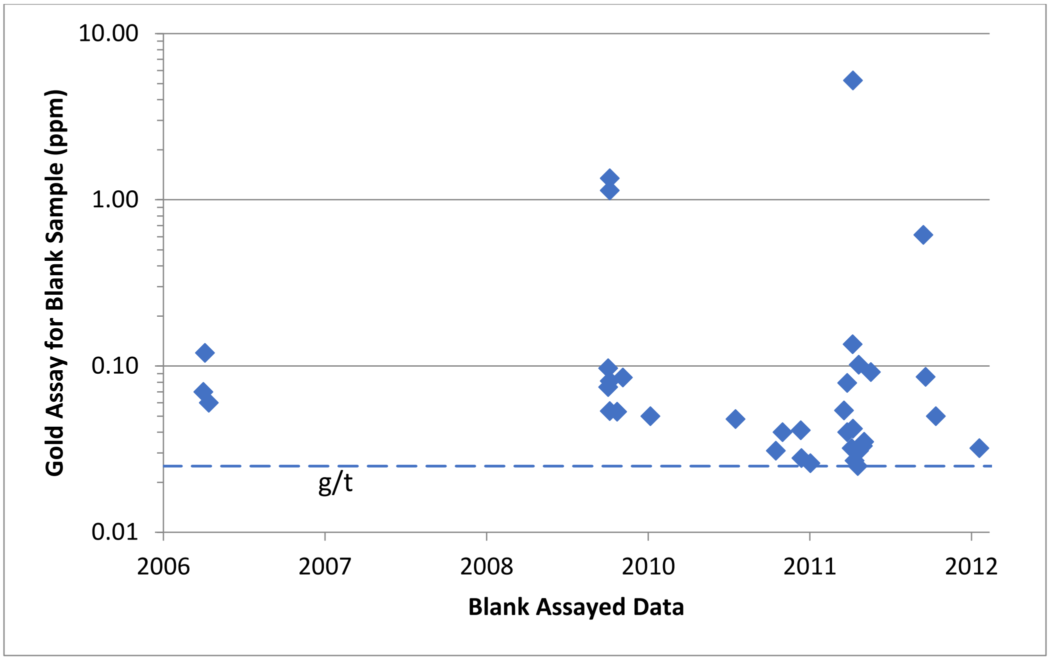


Figure 11-1 Blank Gold Assay Data, if Detected 5-Times Above RL

Those blank samples with gold detections greater than 5-times the reporting limit are shown on Figure 11-2, along with the gold assay result of the sample preceding the blank. This was done to determine whether the gold detections in blanks are a result of carry-over, that is, high levels of gold from the preceding sample carrying over into the blank.

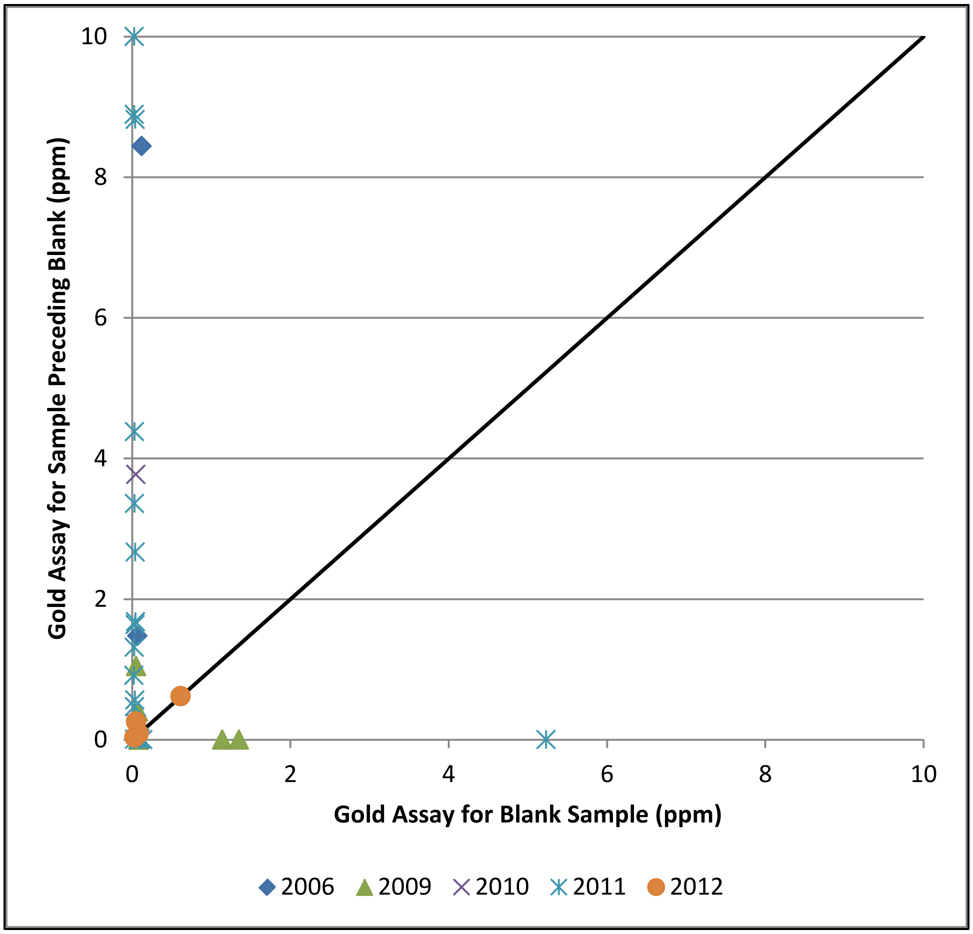


Figure 11-2 Blank Gold Assay Data, if Detected 5-Times above RL

Combined, Figure 11-1 and Figure 11-2 show that blank detections above the acceptance criteria may be due to a combination of two factors:

- Blank samples potentially contain gold, as evidenced by high detections in the blank sample that are not preceded by sample containing comparably high levels of gold. Gustavson notes that this phenomenon is rare, and as such, concludes that the existing blank samples are acceptable for future use.
- Carry-over of gold from a sample containing high gold is occurring, as evidenced by high gold detections in samples preceding blank sample that exceed the acceptance criteria. Gustavson suggests that GPY discuss employing more robust QA/QC practices at the laboratory, in an effort to reduce the potential for gold carry-overs.

11.4.3 Duplicates

A total of 1,627 duplicate samples were provided to Gustavson from 2004 through 2012, as shown in Table 11-4. A plot showing original and duplicate sample results are provided on Figure 11-3 and shows acceptable agreement between original and duplicate sample throughout the years when duplicate data are available.

Table 11-4
Summary of Duplicate Samples

Year Analyzed	Duplicate Samples
2004	13
2006	38
2009	44
2010	103
2011	1071
2012	358
Total	1627

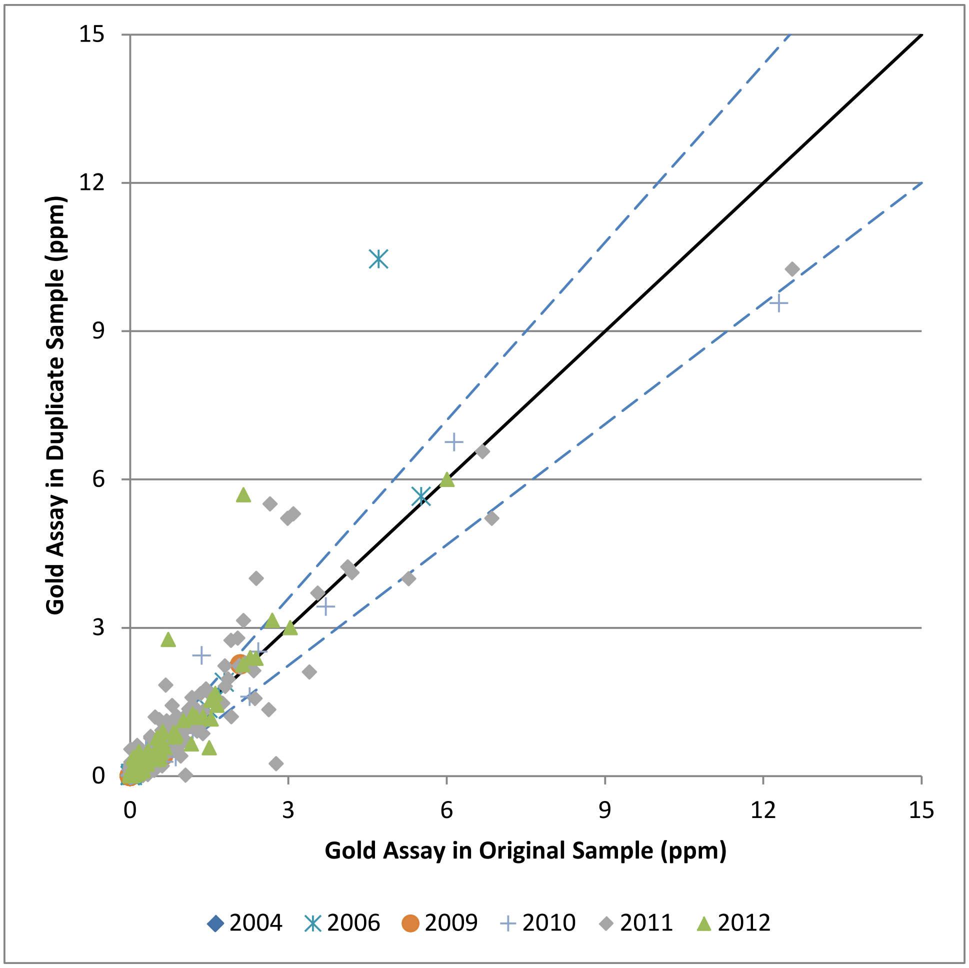


Figure 11-3 Duplicate Sample Results

11.4.4 QA/QC Data

Gustavson reviewed QA/QC data for the 2018 drilling program. The 2018 drilling program includes duplicate samples, blank samples, and standards inserted into the sample stream. In total, there are 9 duplicates, 11 blanks, and 12 standards included in the 11 drillholes used in the estimate. All blanks fall at or below 0.010 gpt Au grade, or 2x detection limit. Performance of the standards is excellent. Duplicate samples also perform well, as shown in Figure 11-4. Gustavson is of the opinion that the 2018 QA/QC program constitutes an appropriate test of the data integrity and that the data are appropriate for resource estimation.

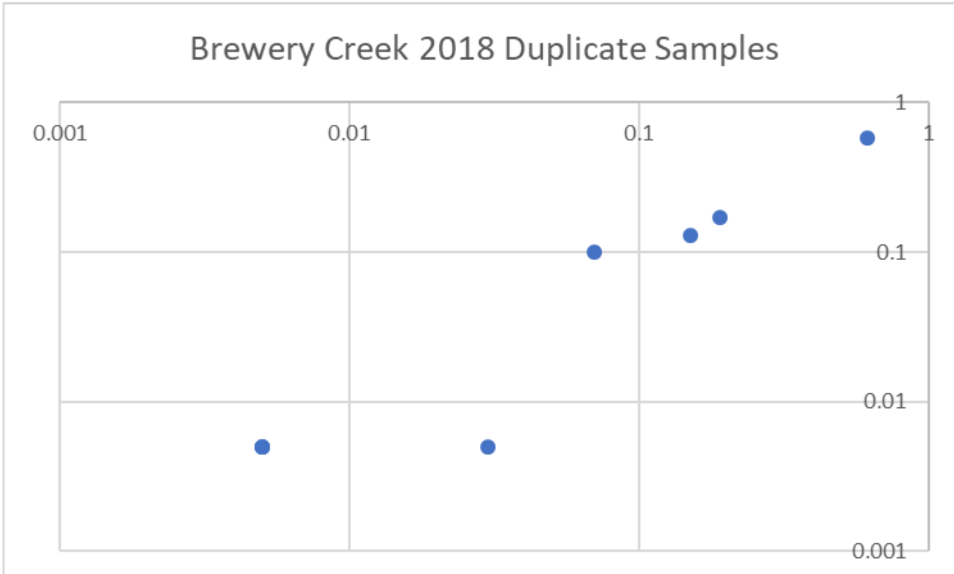


Figure 11-4 2018 Duplicate Sample Comparison

11.4.5 2019 QA/QC Data

Sampling Methodology, QA/QC Analyses for drill samples were performed by SGS Canada, Inc., ALS Canada and Bureau Veritas, Canada with sample preparation in Whitehorse, YT and assaying in Burnaby, North Vancouver and Vancouver, BC respectively. Drill samples were analyzed for gold using a 30-gram fire assay with atomic absorption finish (SGS-GO FAA30V10 method, ALS-Au AA-25 method and BV-FA430 method). Quality controls standards include standard reference material, certified blank and field duplicate samples in every sample dispatch.

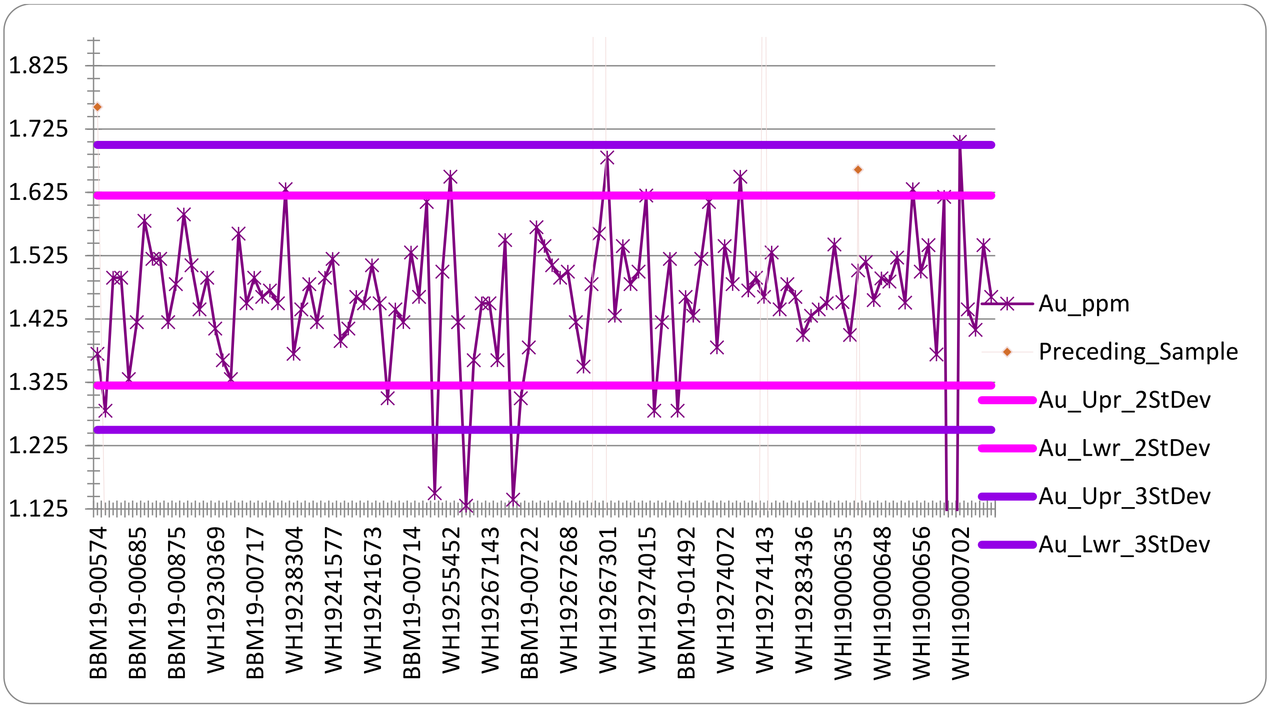


Figure 11-5 Lab Values for Standard SRM_GS1P5D

failed multiple QA/QC methods, and controls exceeded limits by small amounts. GPY judged the samples acceptable.

11.5 Opinion on Adequacy

Based on Gustavson's assessment of sample collection, analytical, security, and QA/QC procedures, Gustavson concludes that the data are adequate for supporting this NI 43 101 resource estimate. We recommend enhanced interaction with the lab during the assay process in future campaigns.

12.0 DATA VERIFICATION

Verification of data used for resource estimation has been completed for various deposits and generations of data by several independent engineering firms for prior 43-101 reporting.

- EBA completed a site visit and data verification as reported in a previous Technical Report titled "Updated Mineral Resource Estimate for the Brewery Creek Property, Yukon Territory, Canada, effective March 11th, 2012 and amended January 17th, 2013". The verification results from the general database and of data in support of the resource estimates of the North Slope and Sleeman deposits have been extracted from EBA's report and summarized in the current report.
- RMI verified data used to support the resource estimates of the Bohemian, Schooner, Fosters, West and East Big Rock, Classic, Lone Star, and former heap leach pad. This verification was reported by Gustavson in 2013 and is summarized herein.
- Gustavson is responsible for verifying the data used to support the resource estimates of the Kokanee, Golden, Pacific, Blue, and Lucky deposits.

Data verification completed by the three parties is described in the following sections.

12.1 Data Verification by EBA

12.1.1 Verification of Historical Data

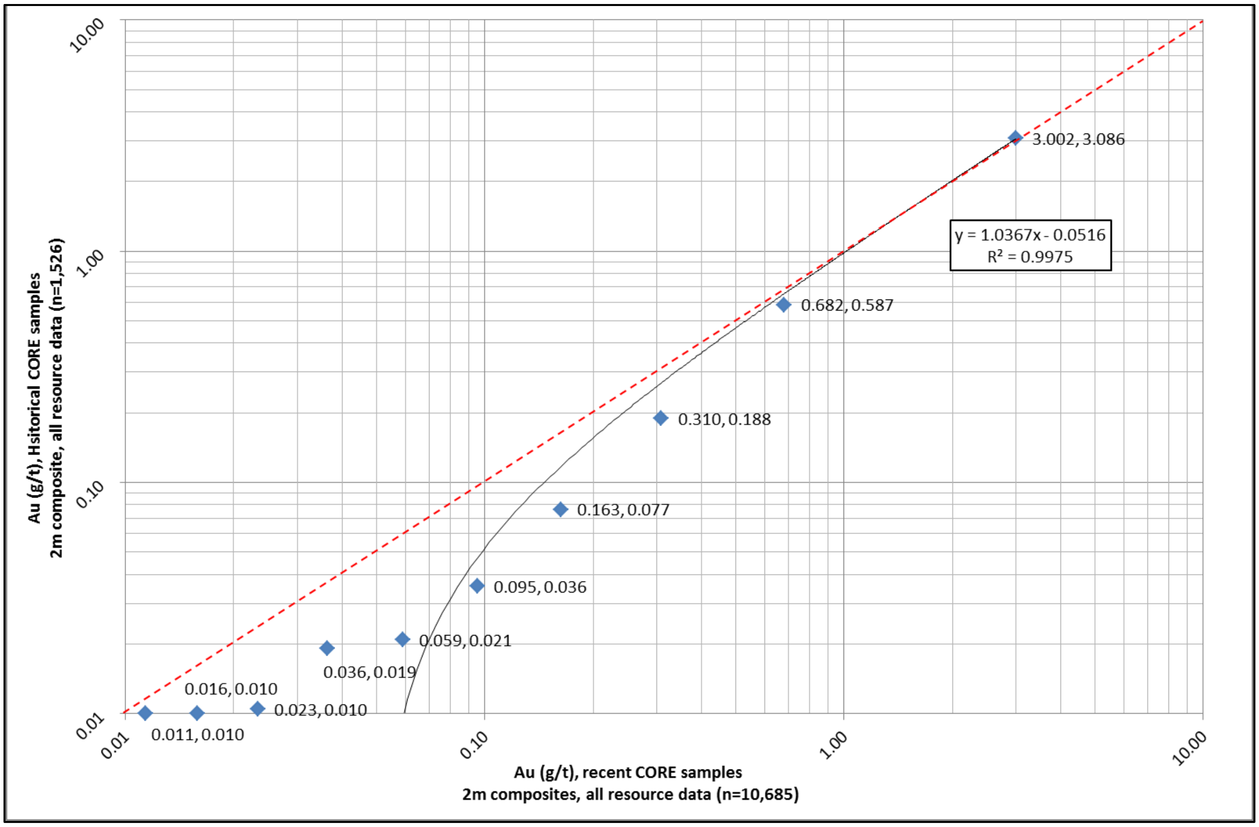
Physical drill core and RC chip sample records for historical drilling on the property were no longer retained at the Brewery Creek Project facility. The assay certificates for a portion of the historical drillholes were not available for data verification. Given these limitations, a desktop review was conducted comparing results from historical drillholes with more recent GPY drill data.

Recent drilling conducted by GPY aimed to test the validity of historically reported gold grades. The traces of 12 historical holes lie within 7 meters of GPY holes (Table 12-1): EBA visually inspected the twinned intersections using geological software and found them to compare favorably in terms of mineralization depth, intercept thickness, grade and logged lithology. The majority of GPY drilling lies with 25 meters of Loki-Viceroy era holes. In general, nearby holes from the historical drill dataset show strong similarities in the intercept thickness, tenor and logged lithologies with GPY drilling.

Table 12-1
Drill Holes Used for Historic Data Verification

Historical Resource Hole	Offset GPD Hole	Area
RC97-1967	BC11-236	Bohemian
RC98-2145	BC11-189	Bohemian
RC95-1363	BC11-357	East Big Rock
RC96-1570	RC11-2433	East Big Rock
RC96-1623	RC11-2432	East Big Rock
RC97-1902	BC11-358	East Big Rock
RC97-1772	RC11-2409	North Slope
RC97-1773	BC11-300	North Slope
RC98-2198	BC11-196	Schooner
RC99-2267	BC10-210	Schooner
RC96-1577	RC11-2458	West Big Rock

Figure 12-1 shows a decile-decile comparison of the historical core gold grade values versus the recent core gold grade to reveal that at grades generally below 0.2 g/t Au the recent drilling plots higher than historical drilling and at ranges greater than 0.2 g/t (i.e. > 75th percentile) that historical gold grades plot near to unity with the recent drilling. As reported in EBA (2013b), this is reasonable support for the sampling trend given that much of the recent drilling has been targeting known areas of mineralization and generally contains fewer lower grade material as would have been recovered in historical exploration and geotechnical core drilling programs.



Note: Figure only shows gold assay results of 2-meter composite samples of core drilling results completed by GPY up to and including core hole BC12-401.
Source: EBA (2013b)

Figure 12-1 Decile-Decile Plot of GPY and Historical Drilling Data

12.1.2 Drilling Methods

Using the 2-meter composite dataset, decile-decile plots were created using data from reverse circulation (RC) and diamond drilling. The data set was filtered to remove the low-grade composites below 0.01 g/t Au in order to reduce the impact of null and low range detectible gold grades. No upper grade caps were applied. The results for comparison of core sample and RC samples for both historical and recent drilling within the main mineralized areas are shown below in Figure 12-2. The plot identifies a slight bias in gold grades reporting higher for core samples than the RC samples, however good agreement in gold assay data was noted between the two drilling methods, and as such Gustavson concludes that no significant bias between RC and core drilling is notable.

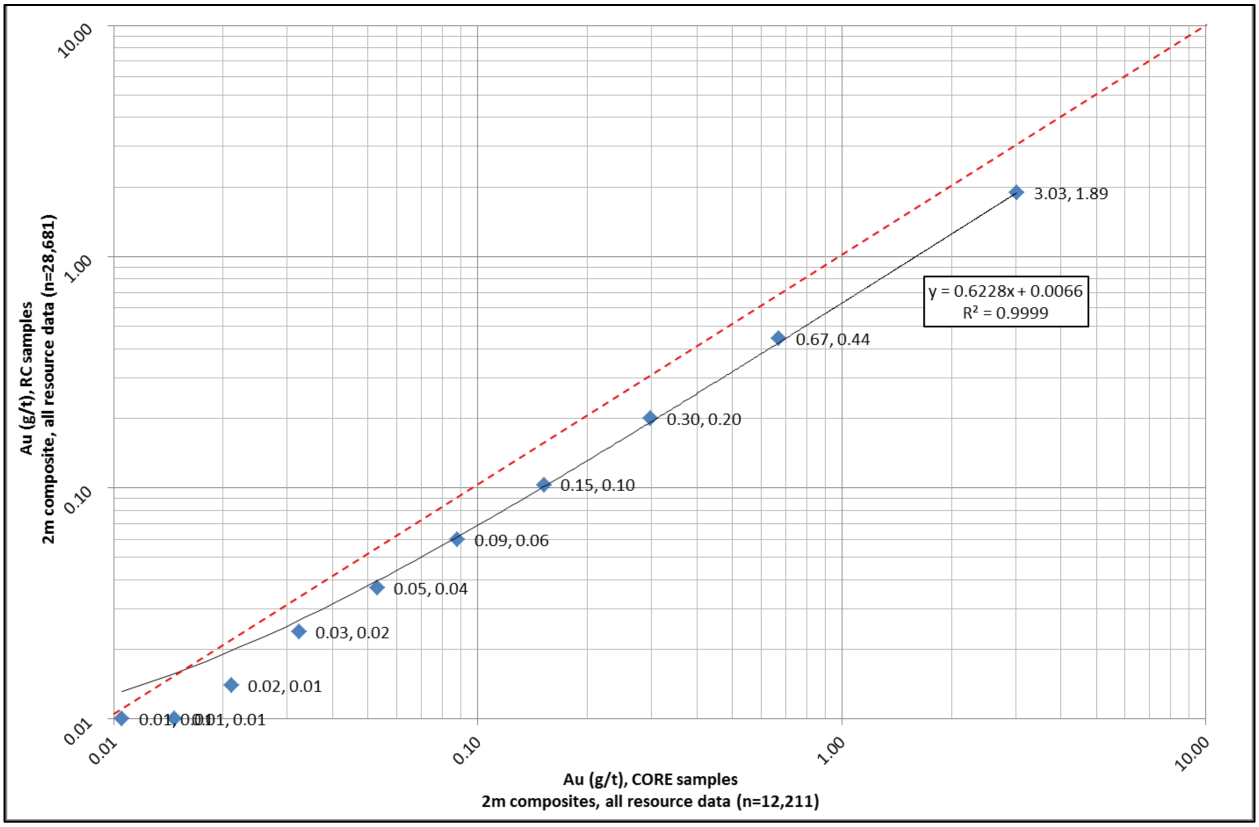


Figure 12-2 Decile-Decile Plot for RC and Core Drilling Data, Source: EBA (2013b)

In a comparison that included only drilling data by Loki/Viceroy (Figure 12-3), low grade ranges below 0.1 g/t Au appear to bias slightly towards the RC sampling, where grades plotting above 0.2 g/t Au plot near the unity line. The number of historical RC samples (n=21,611) far exceeds that of the core samples (n=1,526). This trend suggests that no significant bias is noted in the historical Viceroy data within the useable range of gold grades at the property database scale.

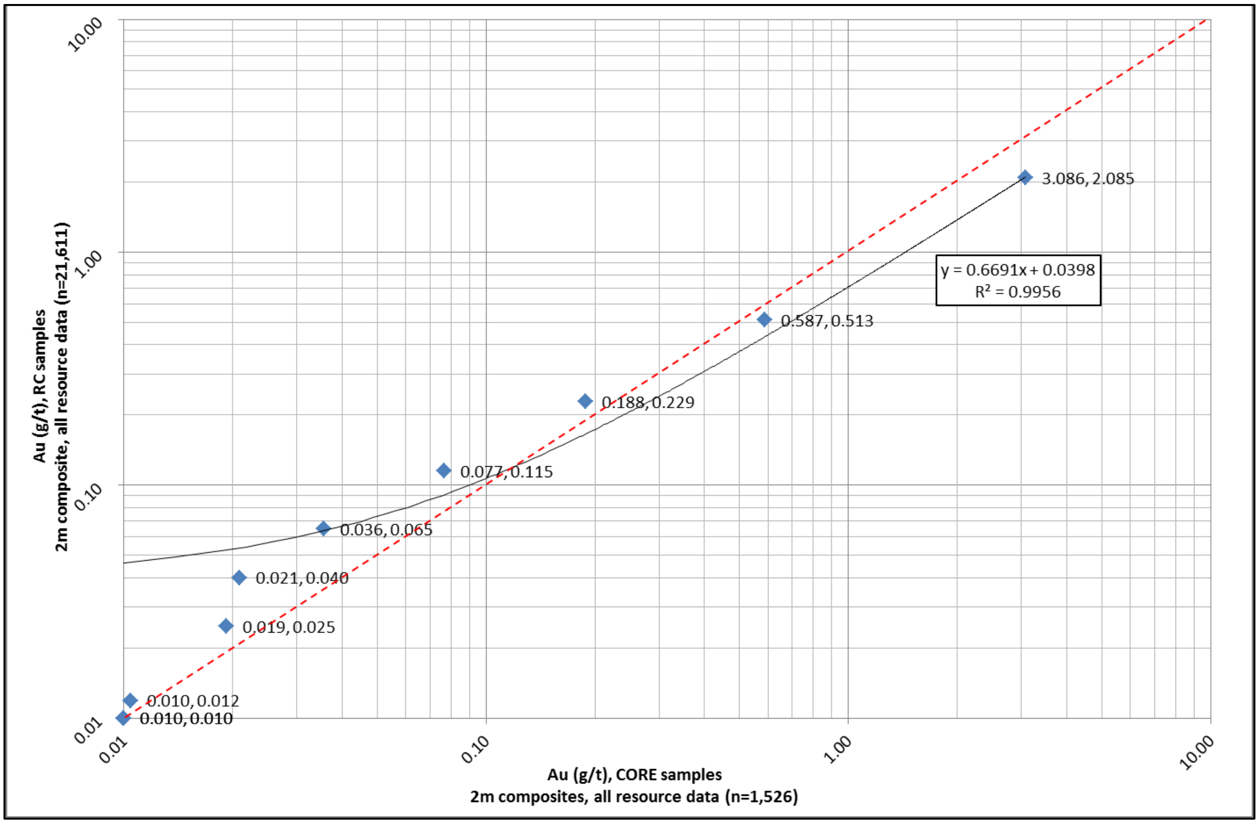


Figure 12-3 Decile-Decile Plot for RC and Core Drilling Data by Viceroy and Loki, Source: EBA (2013b)

12.1.3 Verification of Collar Data

Drillhole location and orientation data used in the database has been extracted and from the original Viceroy AutoCAD database, verified with available logs and survey reports and retranslated from historical mine grid co-ordinates to UTM coordinates. Historical Viceroy surveying was completed from 1996 onwards using survey grade Trimble equipment which measured and reported both latitude and longitude, and local coordinates with the Viceroy mine grid. Control of the surface coordinates was completed by GPY in 2009-2010 with the assistance from the original Viceroy surveyor. In total, approximately 40 historical drillhole collar monuments were located, mostly as stakes with labeled aluminum tags, between west Big Rock and Schooner and used to define an accurate transformation from the original mine grid to modern UTM co-ordinates that could be applied to all historical drillholes and surveyed information. The process was completed using an affine polynomial algorithm and was verified using actual road centerlines and later with the 2011 LIDAR survey conducted on the property. In 2010, it was determined by GPY that an upward 2.49-meter vertical shift be applied to the historical datum used by Viceroy. Comparison of the re-surveyed historical monuments to the transformed database co-ordinates results in location deviation ranging from approximately 0.5 to 2 meters at the lateral extents of the property. EBA has reviewed the database and methodology used to undertake this transformation and feels that it has been completed using acceptable and modern methods.

12.1.4 EBA Statement on Historical Data Verification

EBA reported that the historical drilling data is verifiable and valid for use in mineral resource estimation. Support was based on the review of historical results, positive comparison of the historical results to recent GPY drilling and minimal to no bias apparent between the various datasets.

12.1.5 EBA Data Verification of GPY Data

12.1.5.1 EBA Site Visit

A site visit was conducted between March 19-21, 2012, by EBA geologist and Independent QP James Barr, P. Geo. The purpose of the visit was to become familiar with the site layout and facilities, review core logging and sample handling procedures, review drill core and collect core samples from recent GPY drilling for independent analysis. Mr. Barr was accompanied by GPY Senior Geologist Bruce Otto, Geologist Mark Shutty and Program Manager Don Penner for the duration of the visit. A second site visit was conducted from May 30 to 31, 2012, at which time no QA/QC review or sample collection was completed.

In total, 7 core holes were reviewed while on site in March 2012, which provided a familiarity of the variety of rock types and mineralizing systems present at the Brewery Creek Project. Specific core intervals from these holes were selected based on availability, spatial distribution and representative grades.

12.1.5.2 EBA Independent Samples

During this field visit 6 samples were collected from 4 holes, packaged in sampling bags, and transported by Mr. Barr to the EBA offices in Vancouver and then couriered directly to ALS Chemex laboratories for analysis.

For QA/QC purposes a Standard Reference Material (SRM) and a blank sample was included in the sample batch for a total of 8 samples for laboratory analysis at ALS Chemex (Vancouver). Table 12-2 presents the results of the ALS Chemex tests, labeled as EBA, against the original GPY analytical values for Au, and Ag.

Table 12-2
Independent Drill Core Samples Collected by EBA

BHID	From	To	Company	Sample	Rockcode*	SG	Au (g/t)	Ag (g/t)	Au g/t RS **
BC11-360	80	82	GPY	1294244	SY/IS	2.68	0.77	-	-
			EBA	500408			1.07	0.9	1.13
			% Difference				33.1	-	37.89
BC11-333	28.73	30.35	GPY	1327702	LAQM/IQM	2.55	7.85	-	-
			EBA	500409			11.15	0.3	11.65
			% Difference				34.7	-	38.97
BC11-333	52.9	54.25	GPY	1327718	SGW/SNG	2.67	14.60	-	-
			EBA	500410			16.05	0.9	16.6
			% Difference				9.46	-	12.82
SRM			EBA	500411		n/a	13.45	4.10	-
			CDN-GS-13A	n/a			13.20±0.72	-	-
			% Difference				1.88	-	-
BC11-293	60	62	GPY	K739669	LAQM/IQM	2.57	7.64	2.50	-
			EBA	500412			9.72	3.00	10.05
			% Difference				24.0	18.2	27.25
BC11-321	71.2	72.7	GPY	1292722	AQM/IQM	2.63	20.60	13.00	-
			EBA	500413			5.91	18.60	5.99
			% Difference				110.8	35.4	109.89
Blank				500414		2.77	0.03	<0.2	0.03
BC11-321	74.2	75.7	GPY	1292725	AQM/IQM	2.66	4.78	14.00	-
			EBA	500415			3.44	5.00	3.51
			% Difference				32.6	94.7	30.64

* Client rock code/EBA rock code
** ALS Chemex re-sample value

The samples were analyzed using the following ALS Chemex laboratory methods:

- Prep 31 (Split off 250g and pulverize split to better than 85% passing 75 microns),
- Specific Gravity – OA-GRA08A
- Grade 30g nominal sample weight– Au-AA25
- Analytes & Ranges – ME-ICP41

EBA conducted a percent difference comparison (Equation 1) of the original GPY values against the analytical results provided by ALS Chemex. A percent difference is used to provide an absolute difference between the duplicate samples relative to their mean allowing meaningful comparison independent of the magnitude of the individual grades. The analysis was calculated using the following formula where, GPY is the original analytical result, and EBA is the duplicate analytical result obtained from ALS Chemex.

Equation 1: Percent Difference Comparison

$$\%\,Difference = \left|\frac{(AMB - EBA)}{\frac{(AMB + EBA)}{2}}\right| x100\%$$

Through discussion and observations made while on site, EBA confirms that GPY is using best practices in their exploration and sample collection procedures.

Results from the independent sample collection using percent difference analysis show that in 4 of the 6 samples tested, the GPY samples graded lower (Au g/t) than that of the EBA samples (ALS Chemex) analysis. GPY samples 1292725 and 1292722 were exception to this with +110.8% and +32.6% differences, respectfully.

Due to the irregularities found in the percent difference comparison for EBA sample 500413, sample re-analysis was requested at ALS Chemex. The results for the re-sampling indicate slight global increase in all reported gold grades. The results, however, do support consistent values and reproducibility of the grades as seen in Table 12-2.

Specific gravity (SG) for each sample was tested and fall within the ranges of values determined by GPY work. This analysis showed no major deviation in the results in terms of the tested lithologies and analytical results.

12.1.5.3 EBA Statement on Verification of GPY's Drill Data

EBA sampling conducted on site indicated a slight variance in grade results for all samples collected on site. The positive percent difference found in hole BC11-321 was exceptionally high and may be accountable to a core recovery issue following sampling or to material shifting within the core box as the material was broken and integrity was quite poor. A number of factors could account for this deviation; however, it is not felt that a bias is present in the dataset.

Based on the visual inspection of core, review of sampling methodology and independent sampling, EBA feels that the results reported by recent GPY drilling is reliable and that inclusion of this data for mineral resource estimation is supported.

12.2 Data Verification by RMI

12.2.1 Verification of Drilling Methods by RMI

RMI spatially paired 6-meter-long diamond core composites with 6-meter-long reverse circulation (RC) samples for the Bohemian, Schooner, Fosters, West Big Rock, East Big Rock, and Classic-Lone Star deposits. The data were paired by lithology and oxidation constraints (i.e. oxidized intrusive material only). A similar pattern was observed for all but the Classic-Lone Star data where the diamond drilling data tended to be slightly higher grade than nearby RC samples. This relationship was found to be reversed for the Classic Zone which showed the RC samples to be higher grade than nearby diamond core samples.

Figure 12-4 is a quantile-quantile (QQ) plot that compares diamond core gold grades against RC gold grade samples. A maximum sample separation distance of 25 meters was used and both sample types represent oxidized intrusive material.

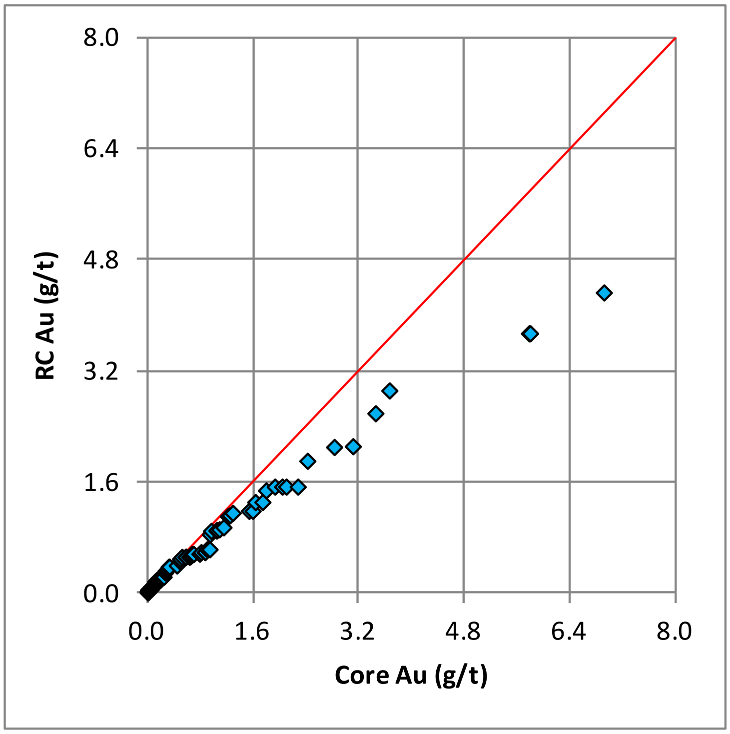


Figure 12-4 Plot Comparing Diamond Core and RC Samples (Bohemian Deposit), Source: RMI (2013)

The data in Figure 12-4 show that there is an apparent high bias associated with the diamond drilling sample data relative to nearby RC data. As mentioned above, this relationship was also seen with respect to the Schooner, Fosters, West and East Big Rock deposits. The opposite relationship was observed for the Classic deposit as depicted by the QQ plot shown in Figure 12-5.

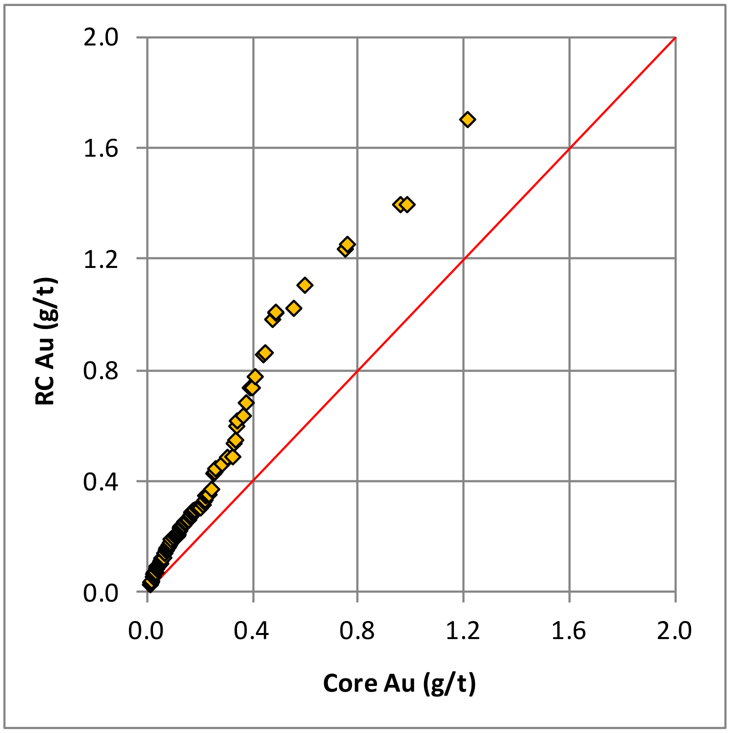


Figure 12-5 QQ Plot Comparing Diamond Core and RC Samples (Classic Deposit), Source: RMI (2013)

More specific gold grade comparisons were made by spatially pairing 6-meter drillhole composites (intrusive material only) that were collected by different companies using different methods. A maximum separation distance of 50 meters was used in pairing the two data types. Figure 12-6 is a QQ plot that compares GPY core samples (X-axis) against Viceroy RC samples (Y-axis) for the Bohemian deposit.

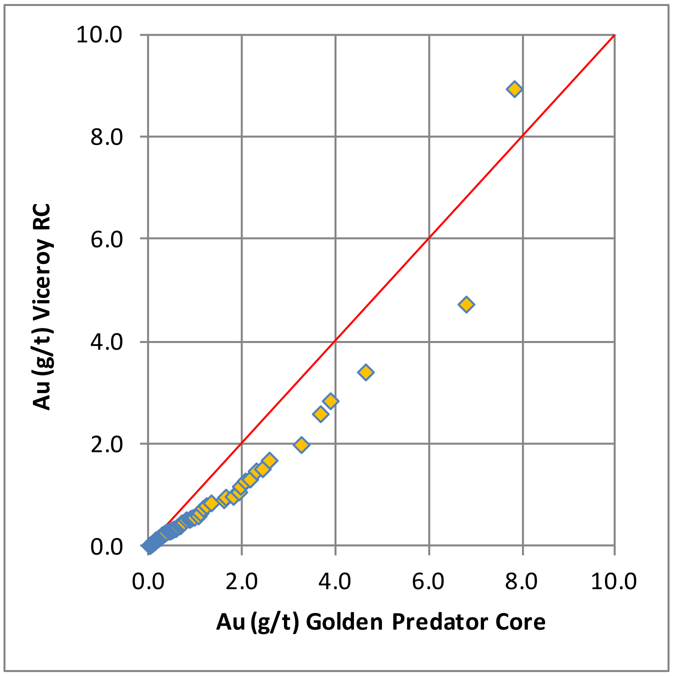


Figure 12-6 QQ Plot Comparing GPY Diamond Core and Viceroy RC Samples (Bohemian Deposit), Source: RMI (2013)

The data in Figure 12-6 show that there is a low bias associated with the older Viceroy RC samples when that data is compared against the more recent GPY core samples.

Figure 12-7 is a QQ plot that compares GPY core samples (X-axis) against Loki RC samples (Y-axis) for the Fosters deposit.

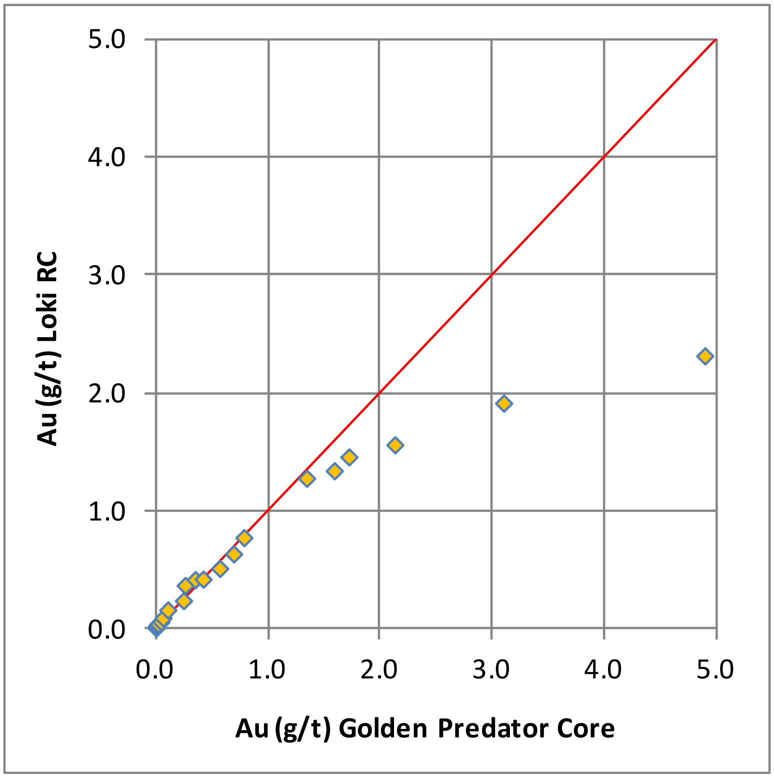


Figure 12-7 QQ Plot Comparing GPY Diamond Core and Loki RC Samples (Fosters Deposit), Source: RMI (2013)

There is a reasonably close comparison between the older Loki RC samples (Y-axis) and the newer GPY core samples (X-axis) for gold grades below 1.5 g/t. above approximately a 1.5 g/t cut-off grade, the older data is biased low.

Figure 12-8 and Figure 12-9 compare older Viceroy RC gold samples against newer GPY core and RC samples, respectively for the East Big Rock deposit.

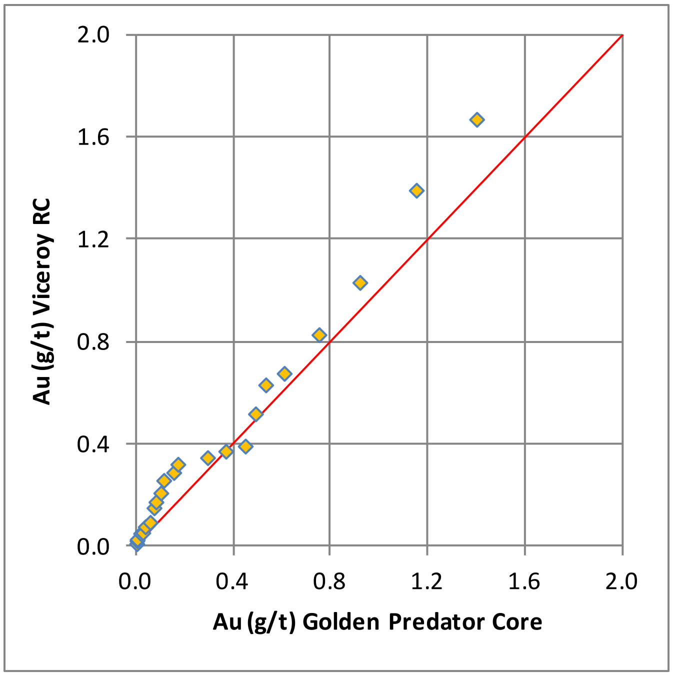


Figure 12-8 QQ Plot Comparing GPY Diamond Core and Viceroy RC Samples (East Big Rock Deposit), Source: RMI (2013)

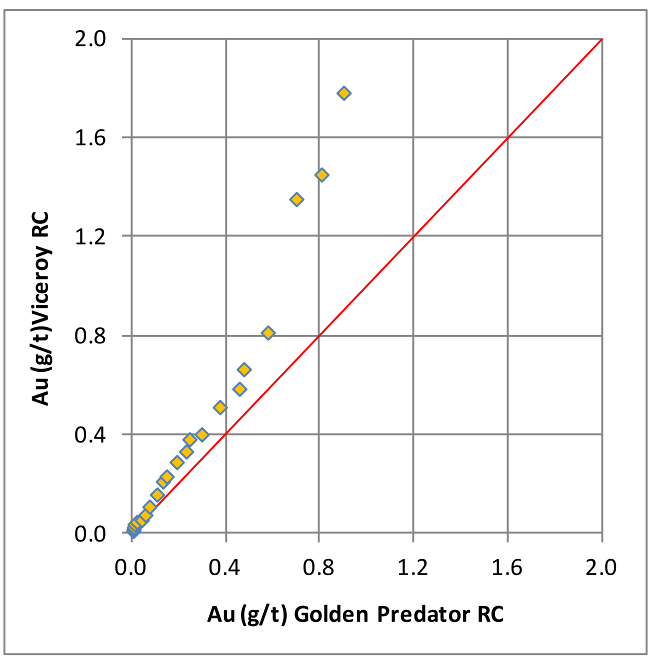


Figure 12-9 QQ Plot Comparing GPY RC and Viceroy RC Samples (East Big Rock Deposit). Source: RMI (2013)

The QQ plot data in Figure 12-8 and Figure 12-9 that compare Viceroy RC data against GPY core and RC samples show that there is a slight high bias associated with the Viceroy RC data.

RMI compared diamond core sample data with nearby reverse circulation (RC) samples to see if there were any significant differences in gold grades. The original assay samples were composited to 6-meter lengths and then core, and RC samples were spatially paired provided both samples types were collected from oxidized intrusive material. RMI notes that there is a slight to moderate high-grade bias associated with core hole samples collected from the Bohemian, Schooner, Fosters, West Big Rock, and East Big Rock deposits. The opposite relationship (i.e. RC samples were higher than core) was observed with the Classic-Lone Star deposit data. At this stage of exploration at Classic it is difficult to determine the cause behind these apparent differences. Groundwater is often the cause for poor RC sampling results but according to GPY's geologic staff, groundwater should not be an issue with the RC samples at Classic. Figure 12-10 contains six quantile-quantile (QQ) plots that compare RC gold grades (Y-axis) with core gold grades (X-axis). As mentioned above, core hole assays from most of the deposits tend to be higher than the RC data above a 0.5 to 1.0 g/t cut-off grade.

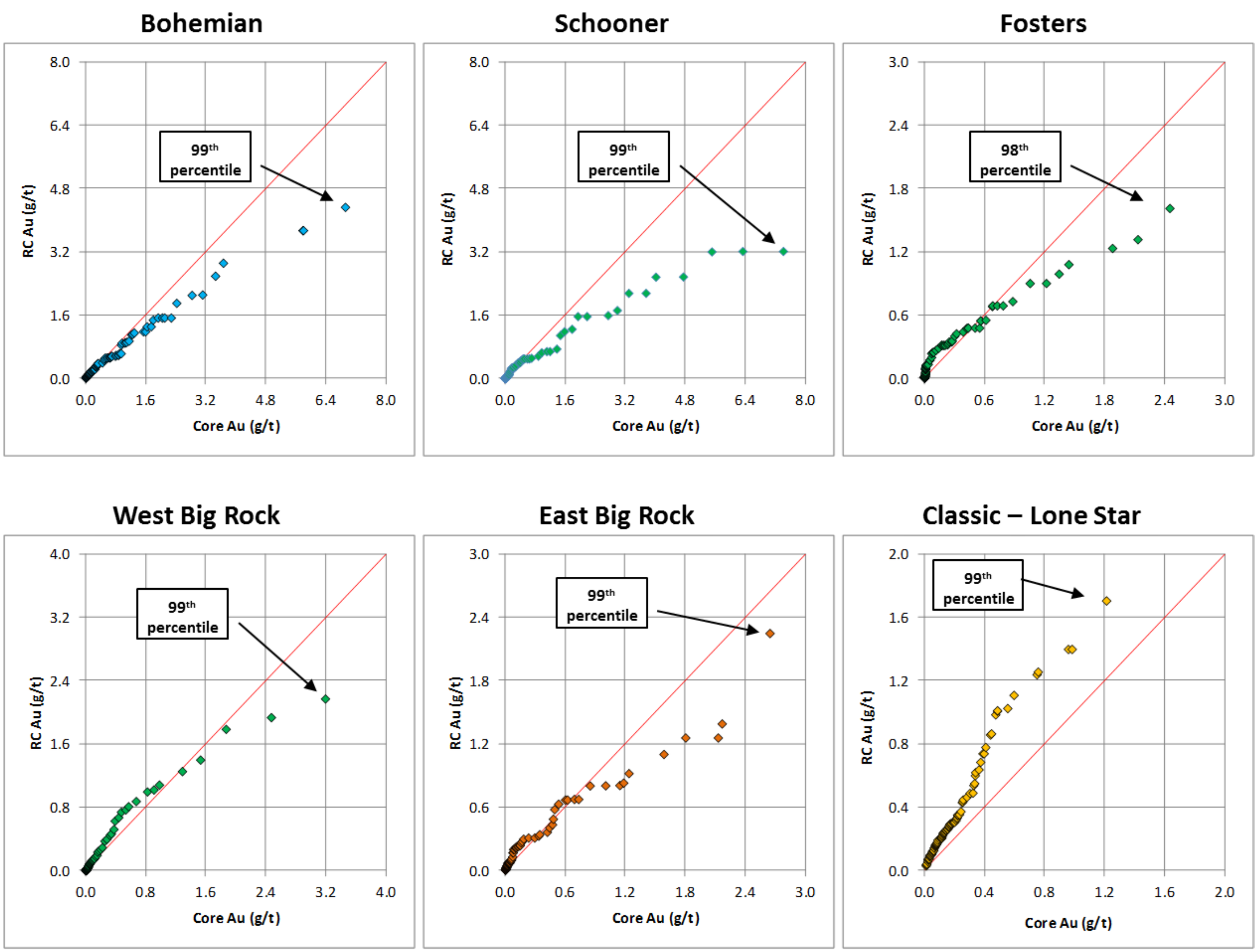


Figure 12-10 QQ Plots of RC and Core Gold Grades, Source: RMI (2013)

RMI compared gold grades with core recovery for the Classic-Lone Star deposit to see if gold was being lost when recovery was poor. Gold grades are seen to increase marginally as core recovery increases. It is possible that the core samples are not as representative as RC samples at Classic but RMI is recommending that GPY drill three to five diamond holes next to existing RC holes to further examine biases.

Based on the sample studies that have been completed RMI stated the opinion that the core and RC samples are suitable to be used to estimate Mineral Resources for the Bohemian, Schooner, Fosters, West Big Rock and East Big Rock zones. Because of wider spaced drilling and the potential for biased RC samples, RMI elected to classify Classic and Lone Star as Inferred Resources.

RMI examined sampling and assaying procedures that were implemented by GPY and also verified that assay records from the 2012 drilling campaign were accurately entered into the project database. Various diamond core and RC sample data were spatially paired and then compared with one another to check for possible biases. In general, most of the spatially paired sample comparisons suggest that the older RC sample data are biased low when compared against GPY core data.

Based on RMI's verification procedures the gold assay data used for the Brewery Creek Project are suitable for estimating Mineral Resources. RMI recommended that GPY follow up on the apparent high-bias associated with Classic and East Big Rock RC samples by drilling two or three core holes adjacent to existing RC holes so that possible biases can be further analyzed.

12.2.2 RMI’s Verification of GPY Drill Data

12.2.2.1 RMI’s Site Visit

A site visit was conducted between October 16 and October 18, 2012, by RMI geologist and Independent QP Michael Lechner, P. Geo. The purpose of the visit was to become familiar with the site layout and facilities, review core drilling procedures, review core logging/sample handling procedures, examine drill core and review electronic data collection practices. Mr. Lechner was accompanied by GPY Senior Geologist Bruce Otto and Project Geologist Tyler Bourne.

While on site, Mr. Lechner examined two diamond drill rigs that were operating in the Classic-Lone Star areas. The first drill rig that was visited was an A5 drill operated by Matrix Diamond Drilling Inc. (drillhole BC12-580). The hole was approximately 250 meters deep at the time of the visit. The drill site was clean, and the core was correctly handled at the site. The second drill rig that was visited was operated by Kluane Drilling Ltd. (drillhole BC12-576). Both drill rigs appeared to be delivering nearly 100% recovery. Both drills were using NQ tools with 10-foot-long core barrels.

Portions of three recent and two older diamond drillholes were examined by Mr. Lechner while on site. Selected drillhole intervals from specified holes were compared against the original drill logs. Table 12-3 lists the holes and intervals that Mr. Lechner examined.

Table 12-3
Drill Core Samples Examined by RMI

Drillhole	Resource Area	Depth (m)	Comments
BC12-438	West Big Rock	41.5 to 76.50	Black argillaceous sedimentary rocks and LAQM
BC12-440	West Big Rock	38.94 to 65.95	Intersection of +2 g/t LAQM (46.35 - 57.45)
BC12-451	West Big Rock	29.20 to 60.25	Examples of low and high-grade LAQM mineralization
DD95-0061	Fosters	2.60 to 25.70	Highly weathered/altered carbonaceous sedimentary rocks
DD95-0062	Fosters	6.10 to 26.65	Highly altered well mineralized LAQM

12.2.2.2 RMI's Verification of Assay Data

RMI verified 10% of the 2012 drillhole assays (from hole BC12-411 onward) by comparing electronic database gold assay records against signed assay certificates. Table 12-4 summarizes the drillholes that were audited by RMI.

Table 12-4
Drill Hole Assay Samples Verified by RMI

Resource Area	Drillhole	No. Assays	Meters
Bohemian	BC12-418	48	95.1
Bohemian	BC12-423	60	112.77
Schooner	BC12-559	72	135.63
Schooner	RC12-2498	40	60.96
Fosters	RC12-2466	35	53.34
Fosters	RC12-2471	29	44.2
West Big Rock	BC12-411	65	120.39
West Big Rock	BC12-477	64	125.58
West Big Rock	BC12-478	78	142.32
East Big Rock	BC12-483	48	94.8
East Big Rock	BC12-546	77	137.16
Classic	RC12-2500	113	172.21
Classic	RC12-2513	197	300.23
Lone Star	BC12-580	185	340.46
Lone Star	RC12-2523	123	187.45
Grand Total	n/a	1,234	2,122.60

No gold assay database errors were discovered by RMI. Drillhole collar locations were compared against the provided topographic surfaces. Minor elevation differences were noted for some holes and are thought to be associated with reclaimed drill pads which made the collars appear to be slightly low.

12.2.2.3 RMI Statement Regarding Data Verification

RMI examined sampling and assaying procedures that were implemented by GPY and also verified that assay records from the 2012 drilling campaign were accurately entered into the project database. Various diamond core and RC sample data were spatially paired and then compared with one another to check for possible biases. In general, most of the spatially paired sample comparisons suggest that the older RC sample data are biased low when compared against GPY core data.

Based on RMI's verification procedures the gold assay data used for the Brewery Creek Project are suitable for estimating Mineral Resources. RMI recommended that GPY follow up on the apparent high-bias associated with Classic and East Big Rock RC samples by drilling two or three core holes adjacent to existing RC holes so that possible biases can be further analyzed.

12.3 Data Verification by Gustavson

12.3.1 Verification of Historical Data

To validate historical drilling, Gustavson performed a point validation analysis on the historical data. Historical data were used to estimate at gold grade value at the XYZ location of GPY samples using an Inverse Distance Squared method. The estimated values were then compared to the actual value of the GPY sample at that location. A correlation analysis was then performed on the estimated versus actual data. Point validation was restricted by major rock type (intrusive or sedimentary). The results of the correlation analyses were mixed, and Gustavson performed other analyses to confirm historical data. Gustavson next compared the historical drillhole and blasthole data on a bench-by-bench basis. This analysis showed that the two independent assay campaigns showed similar high-grade zones in blastholes and nearby drillholes. Visual inspection showed a good correlation, though it indicated there might be down-hole drift in the drillholes. Gustavson also visually compared historical and GPY drillhole grades on a section basis. Again, high grade zones indicated in the historical data were matched by high grade assays in modern drilling. This visual inspection also showed that some of the previously noted discrepancies between historical and modern drilling may be due to the location of drilling campaigns. Historical campaigns generally targeted the core of the high-grade portions of the deposits, while modern drilling has focused more on the periphery of the deposits. Modern drilling has also taken place after mining operations were begun, and therefore is affected by the removal of material that was present during past campaigns. There were no twin holes of historical and GPY drilling to compare. Given the analyses noted above, Gustavson is of the opinion that the historical data is appropriate for resource estimation.

12.3.2 Verification of Drill Data

Drillhole collar data were compared to the site topographic map to confirm that elevations are consistent. The survey data for each drillhole were also examined. Those drillholes containing greater than 5° variation in dip or azimuth or containing greater than 1° per meter are verified by GPY, and corrected, if necessary. To ensure logging quality, GPY verifies assay and lithology data entries to ensure that data are available from top to bottom of drillhole, with no missing intervals or intervals exceeding the total depth of drillhole. Gustavson reviewed blasthole data compared to the site pre and post mining topography to check that elevations were consistent with those data.

Gustavson implements a data validation step to ensure that the Excel database received matches the actual lab assay certificates. Gustavson requires a 99% confidence level and minimum 4% confidence interval to consider a database of good enough quality for resource estimation. The GPY sample assay Excel database contains 3548 samples. Of the 502 samples versus assay certificate values checked, Gustavson found 45 errors. However, it was noted that in some cases the assay values had been rounded from three decimal places to two, which may account for some errors. This validation produced a 3% confidence interval at a 99% confidence level, which Gustavson believes is an acceptable error rate and that the data is valid.

12.3.3 Gustavson Site Visit

Donald E. Hulse of Gustavson visited the site from September 30 to October 3, 2019. During the site visit, they reviewed exposures in the Lucky, Golden, Kokanee and Blue pits. Gustavson had collected witness samples during performance of a previous report, and because there is minimal additional drilling, no new samples were collected. The samples were assayed by ALS's ICP21 and gravimetric methods. Results of these three samples are provided in Table 12-5 below. BC-1 and BC-2 were quartz-pyrite veined quartz monzonite and sample BC-3 was highly fractured but weakly altered felsic intrusive rock. The results of the Gustavson sampling independently confirm the presence of gold mineralization on the property.

Table 12-5
Independent Sample Results

Sample Description	Au g/t	Latitude WGS84	Longitude WGS84	Elevation ft
BC-1, Lucky	1.175	64.05909	-138.18966	3024.222
BC-2, Golden	3.99	64.0656	-138.17179	2726.967
BC-3, Kokanee	0.044	64.05765	-138.21242	3192.956

During the course of the site visit, drill sites were examined, photographed and located by GPS. Locations matched coordinates in the database. At the drill sites examined by Gustavson, a concrete slab had been placed around pipe or rebar protruding from the hole and metal markers recorded hole number, azimuth and inclination of the hole.

Diamond core and RC cuttings from several holes, collected in multiple programs by several different mining and drilling companies, were examined. Core sample intervals were generally determined by natural geologic breaks, with no interval being larger than 1.5 meters. RC cuttings were sampled at 1.5-meter intervals. Core is stored in wooden boxes labeled with drillhole number and meterage. Sample intervals in core boxes are marked with stapled paper tags or metal tags. Mineralized intervals in core and RC cuttings were examined and correspond well with the GPY assay database. Core and RC cuttings are stored in covered buildings or boxes and are relatively safe from weather and secure as the road to the storage area is gated and locked.

12.3.4 Gustavson's Statement on Data Adequacy

It is the QP's opinion that the data presented are adequate for the purposes of this report.

13.0 MINERAL PROCESSING & METALLURGICAL TESTING

The Brewery Creek Project originally operated between 1995 and 2002 and processed between 9 and 10 million tonnes of material from multiple pits before shutting down operations due to low gold prices. Considerable historical metallurgical test work on material from the Brewery Creek Project was conducted with early reports commissioned by Loki Gold Corporation, including test work by Kappes, Cassiday & Associates (KCA) and Lakefield in the 1990's; this work is based on material that was processed during the original mining operations, and is considered as historical work. Additionally, two metallurgical test programs have been completed by McClelland Laboratories on reprocessing previously leached ROM material from the existing leach pad, which is not being considered for this Technical Report. Results from the historical test work and heap reprocessing are regarded only anecdotally with respect to the Project as described in this report.

Relevant test programs and results are summarized below and are referenced in this report. Although condensed, for the sake of completeness as much relevant data as practical is presented herein.

13.1 MLI Job No. 3618 (2013) & MLI Job No. 4492 / 4561 (2020) - Reprocessing of Original Heap

Two separate metallurgical test programs were conducted by McClelland Laboratories (MLI) to evaluate the possibility of reprocessing the previously leached ROM material from the existing heap and are titled:

- "Report on Brewery Creek Heap Leach Residue Testing MLI Job No. 3618" dated 8 March 2013 (MLI, 2013)
- "Report on Heap Leach Testing – Brewery Creek Composites MLI Job No. 4492 / 4561" dated 16 October 2020 (MLI, 2020)

Results from the heap reprocessing test work suggests moderate gold and silver recoveries (48% and 35%, respectively) with crushing to minus 19 mm, which is consistent with what would be expected from reprocessing partially leached ROMmaterial. The column leach tests consistently show improved recoveries compared to the bottle roll and cyanide shake tests on the same material which has been attributed to some preg robbing effect and slow leaching material. Compacted permeability test work indicates that the heap residue will require high cement additions (approximately 12 kg/t) for agglomeration in order to maintain acceptable permeability and stability which is largely correlated with the high fines content. Blending fresh rock with the heap residue significantly reduces the cement requirements.

Reprocessing of previously leached material is not considered for the Brewery Creek project due to the limited leach pad capacity and marginal economics.

13.2 MLI Job No. 3618 Scoping Metallurgical Testing on Drill Core Composites (2013)

Results for the 2013 MLI test program on drill core composites are extracted from the MLI report titled "Report on Scoping Metallurgical Testing – Brewery Creek Drill Core Composites MLI Job No. 3618" dated 24 April 2013 (MLI, 2013).

Half core intervals from 10 drill holes were combined into 9 composites representing oxide, transition and sulfide material from the Schooner, Bohemian and Sleeman pits. Metallurgical testing was completed to evaluate each composite for gravity concentration, flotation, and cyanide treatment. Composite samples head grades ranged between 0.73 and 2.19 g Au/t with generally low preg-robb potential and variable cyanide soluble gold content.

13.2.1 MLI Scoping (2013) – Gravity & Flotation Test Work

Gravity concentration tests were completed at a P_{80} of 106 microns utilizing a Knelson concentrator and hand panning of the composites. The results are presented in Table 13-1.

Table 13-1
Gravity Concentration Test Results Tests Results

Comp.	Weight, %			gAu/mt					Au Distribution, % of total		
	Cl. Con	Ro. Con	Ro. Tail	Cl. Con	Cl. Tail	Ro. Tail	Calc. Head	Head Grade	Cl. Con	Ro. Con	Ro. Tail
SCHOX	0.17	0.67	99.33	14.69	4.87	1.82	1.86	1.86	1.4	2.7	97.3
SCHTR	0.24	1.29	98.71	2.81	0.97	0.69	0.69	0.74	1.0	2.4	97.6
SCHSUL	0.44	1.64	98.36	11.22	5.10	1.58	1.58	1.60	3.0	6.7	93.3
BOHOX	0.23	0.91	99.09	6.43	2.99	1.11	1.11	1.08	1.3	3.1	96.9
BOHTR	0.34	1.60	98.40	24.64	10.60	2.12	2.12	2.21	3.6	9.4	90.6
BOHSUL	0.17	0.80	99.20	24.64	5.73	1.81	1.81	1.98	2.2	4.1	95.9
SLEOX	0.29	1.59	98.41	20.00	3.77	1.79	1.79	1.80	3.1	5.7	94.3
SLETR	0.14	0.91	99.09	76.94	35.00	1.43	1.43	1.79	6.0	21.0	79.0
SLESUL	0.17	1.07	98.93	30.18	16.65	1.41	1.41	1.59	3.2	12.6	87.4

The composites, in general, did not respond well to gravity concentration. The Sleeman Transition composite responded moderately better with a rougher grade of 41.45 g Au/t in 0.91% of the feed weight and a cleaner grade of 76.94 g Au/t in 0.17% of the feed weight. Visible gold was found in the Schooner transition, Schooner sulfide, Bohemian sulfide and Sleeman oxide composite cleaner concentrates, ranging from 0.11 to 1.45 mm in size.

Bulk sulfide flotation testing was completed on the composites at a p80 of 75 microns utilizing potassium amyl xanthate (PAX) and dithiophosphate (DTP) collectors. The results are presented in Table 13-2.

Table 13-2
Flotation Tests Results

Comp.	Weight, %			gAu/mt					Au Distribution, % of total		
	Cl. Conc.	Ro. Conc.	Ro. Tail	Cl. Conc.	Cl. Tail	Ro. Tail	Calc. Head	Head Grade	Cl. Conc.	Ro. Conc.	Ro. Tail
SCHOX	1.88	7.84	92.16	28.31	2.70	0.88	1.50	1.86	35.4	46.1	53.9
SCHTR	0.88	28.54	71.46	1.99	1.03	0.50	0.66	0.74	2.6	45.8	54.2
SCHSUL	5.50	12.63	87.37	11.59	0.53	0.61	1.21	1.60	52.8	55.9	44.1
BOHOX	5.26	13.49	86.51	27.97	3.23	0.51	2.18	2.21	67.5	79.7	20.3
BOHTR	6.59	17.88	82.12	8.89	1.53	0.32	1.02	1.08	57.4	74.3	25.7
BOHSUL	3.45	8.25	91.75	29.52	9.13	0.39	1.81	1.98	56.1	80.3	19.7
SLEOX	2.54	6.92	93.08	14.09	2.73	0.88	1.30	1.80	27.6	36.8	63.2
SLETR	6.70	12.76	87.24	21.62	1.30	0.18	1.68	1.79	86.0	90.7	9.3
SLESUL	15.72	33.64	66.36	8.39	0.73	0.10	1.52	1.59	87.0	95.6	4.4

13.2.2 MLI Scoping (2013) – Bottle Roll Tests

Bottle roll leach tests were conducted at 80% passing 12.7 mm, 9.5 mm, and 75 microns to evaluate the effect of crush size on leaching. The bottle roll results are summarized in Table 13-3.

Table 13-3
Bottle Roll Leach Tests Results

Composite	Feed Size p80 µm	Au Recovery, %	gAu/mt				Reagent Requirements kg/mt	
			Extracted	Tail	Calculated Head	Average Head	NaCN Cons.	Lime Added
SCHOX	12.7mm	64.1	1.32	0.74	2.06	1.86	0.30	2.4
SCHOX	9.5mm	69.3	1.33	0.59	1.92	1.86	0.15	2.5
SCHOX	75µm	75.4	1.41	0.46	1.87	1.86	0.15	3.9
SCHTR	12.7mm	45.6	0.36	0.43	0.79	0.73	0.07	1.9
SCHTR	9.5mm	52.6	0.41	0.37	0.78	0.73	0.15	2.2
SCHTR	75µm	53.1	0.34	0.30	0.64	0.73	0.15	2.6
SCHSUL	12.7mm	52.7	0.89	0.80	1.69	1.61	0.31	1.5
SCHSUL	9.5mm	48.2	0.79	0.85	1.64	1.61	0.14	1.7
SCHSUL	75µm	53.3	0.89	0.78	1.67	1.61	0.23	2.4
BOHOX	12.7mm	45.4	0.54	0.65	1.19	1.10	0.29	1.5
BOHOX	9.5mm	43.2	0.54	0.71	1.25	1.10	0.40	1.6
BOHOX	75µm	48.2	0.54	0.58	1.12	1.10	0.33	2.5
BOHTR	12.7mm	11.0	0.24	1.94	2.18	2.19	0.68	2.1
BOHTR	9.5mm	11.5	0.25	1.92	2.17	2.19	0.73	2.2
BOHTR	75µm	12.2	0.29	2.09	2.38	2.19	0.81	3.1
BOHSUL	12.7mm	22.7	0.51	1.74	2.25	1.98	0.43	1.3
BOHSUL	9.5mm	24.7	0.47	1.43	1.90	1.98	0.46	1.5
BOHSUL	75µm	26.0	0.51	1.45	1.96	1.98	0.67	2
SLEOX	12.7mm	75.9	1.42	0.45	1.87	1.81	0.53	3.1
SLEOX	9.5mm	74.9	1.61	0.54	2.15	1.81	0.80	3.1
SLEOX	75µm	76.3	1.42	0.44	1.86	1.81	1.05	4.5
SLETR	12.7mm	14.9	0.24	1.37	1.61	1.79	0.53	1.9
SLETR	9.5mm	15.0	0.31	1.75	2.06	1.79	0.60	1.7
SLETR	75µm	16.3	0.30	1.54	1.84	1.79	1.05	2.9
SLESUL	12.7mm	1.2	0.02	1.59	1.61	1.59	0.68	1.5
SLESUL	9.5mm	1.3	0.02	1.49	1.51	1.59	0.89	2.4
SLESUL	75µm	1.2	0.02	1.63	1.65	1.59	0.59	1.2

Results from the coarse bottle roll tests show higher overall recoveries for oxide material with significantly reduced recoveries for transition and sulfide material. The results suggest that most of the transition and sulfide material would not be amenable to recovery by cyanide leaching; however, transition and sulfide material from the Schooner pit may be marginally viable based on their recoveries which range from 45.6% to 52.7%. Cyanide consumptions were generally low and lime requirements were moderate.

13.3 MLI Job No. 3719 Variability Metallurgical Test Work (2013)

Results for the 2013 MLI variability test program are extracted from the MLI report titled "Report on Brewery Creek Variability Metallurgical Testing MLI Job No. 3719" dated 3 July 2013 (MLI, 2013).

A total of 353 drill core intervals from seven pits (West Big Rock, East Big Rock, Lower Fosters, Bohemian, Schooner, Moosehead and Classic) were combined into 167 variability sub-composite samples, which were further combined to create the 32 variability composites. Samples for testing included areas of waste and low recovery as part of a variability study. Each composite and sub-composite sample was analyzed for total and cyanide soluble gold and silver content as well as for preg-robbing potential. The 32 variability composites were further subjected to carbon and sulfur speciation analyses, bottle roll leach testing and column leach testing. Each composite was described in detail, including rock type, and gave reasons for composite selection. Rock types for this study are summarized as follows:

- LAQM - Limonitic Altered Quartz Monzonite
- AQM - Altered Quartz Monzonite
- ARG - Graphitic Argillite
- Syenite
-

A full description of the composites is included in the referenced 3 July 2013 report.

13.3.1 MLI Variability (2013) - Head Assay Analyses

Table 13-4 summarizes gold head assays, cyanide soluble gold content and preg-robbing factor for each of the 32 composite samples. Carbon and sulfur speciation for each of the composites is presented in Table 13-5.

The head analyses show gold grades ranging from 0.25 to 6.56 grams per tonne with most samples being amenable to cyanide leaching with the exception of Moosehead, which appears to be refractory in nature based on the very low recoveries observed. Preg-robbing potential was generally low with some high preg-robbing material. High preg-robbing factors were mostly attributed to the Graphitic Argillite (ARG) material type with little to no preg robbing potential attributed to the other rock types.

Sulfide Sulfur content ranged from 0.02% to 1.45%. Organic carbon content ranged from 0.01% to 0.83%. All composite samples with organic carbon content greater than 0.1% showed some preg-robbing tendencies; however, preg robbing was also observed in some composites with organic carbon content less than 0.1%.

Table 13-4
Gold Head Assay, Cyanide Soluble Au & Preg-Robbing Potential

Metallurgical Tests			Au Head Assay (g/t)	NaCN Sol. Au (%)	Preg-Rob Factor, %
Ore Zone	Rock Type/Interval	Composite I.D.			
West Big Rock	LAQM/23-35m	BC12-01	2.15	94.9	-4.1
	LAQM/70-82m	BC12-02	0.84	63.2	9.3
	AQM/50-60m	BC12-03	1.37	83.3	-0.6
	ARG/51-59m	BC12-04	0.96	2.8	80.8
	LAQM/41-52m	BC12-27	1.58	97.4	6.4
East Big Rock	LAQM+ARG/28-41m	BC12-05	1.28	51.8	30.6
	LAQM/5-15m	BC12-06	0.85	80.5	3.5
	LAQM/30-40m	BC12-07	0.36	67.6	3.2
	LAQM/66-75m	BC12-08	1.08	55.3	20.1
Lower Fosters	LAQM/2-12m	BC12-09	0.25	65.4	8.2
	LAQM/16-30m	BC12-10	0.57	86.0	1.5
	LAQM/15-28m	BC12-11	0.60	80.7	-0.6
	LAQM+ARG/2-14m	BC12-12	1.91	84.3	7.0
	AQM/33-40m	BC12-13	4.34	12.2	0.6
Bohemian	LAQM/18-30m	BC12-14	0.25	67.9	2.3
	LAQM/30-42m	BC12-15	0.34	96.6	2.3
	LAQM/2-14m	BC12-16	0.73	92.0	2.9
	LAQM/12-19m	BC12-17	0.35	94.6	1.5
Schooner	LAQM/7-19	BC12-18	0.45	92.3	-1.7
	LAQM/19-31m	BC12-19	5.01	91.3	2.6
	LAQM/31-43m	BC12-20	3.45	83.9	0.6
	LAQM/34-53	BC12-28	6.56	45.6	6.23
Moosehead	AQM/68-79m	BC12-21	1.27	3.9	0.9
	LAQM/12-25m	BC12-22	0.66	46.8	-2.9
	LAQM/25-37mm	BC12-23	0.41	10.0	-4.1
	AQM/37-49m	BC12-24	1.23	14.7	-0.3
	AQM/63-78m	BC12-25	0.48	N/A	99.7
	AQM+ARG/78-91m	BC12-26	1.60	N/A	95.6
Classic	Syenite/3-17m	BC12-29	0.26	93.1	0.3
	Syenite /113-129m	BC12-30	0.55	65.1	0.3
	Syenite/47-62m	BC12-31	0.69	94.0	5.0
	Syenite/152-170m	BC12-32	0.42	67.4	-2.0

Table 13-5
Carbon & Sulfur Speciation

Metallurgical Tests		Carbon Total, %	Carbon Organic, %	Carbon Inorganic, %	Sulfur Total, %	Sulfur Sulfide, %	Sulfur Sulfate, %
Ore Zone	Composite I.D.						
West Big Rock	BC12-01	0.13	0.04	0.11	0.13	0.04	0.06
	BC12-02	0.82	0.06	0.69	0.12	0.07	0.02
	BC12-03	2.05	0.07	1.95	0.92	0.39	0.41
	BC12-04	1.49	0.83	0.59	0.54	0.25	0.16
	BC12-27	0.29	0.01	0.24	0.14	0.08	<0.01
East Big Rock	BC12-05	1.03	0.36	0.58	0.11	0.08	0.01
	BC12-06	0.1	0.05	<0.05	0.42	0.11	0.4
	BC12-07	0.94	0.07	0.88	0.12	0.07	0.04
	BC12-08	1.69	0.1	1.49	0.63	0.51	0.03
Lower Fosters	BC12-09	0.34	0.24	0.07	0.05	0.02	<0.01
	BC12-10	0.25	0.03	0.18	0.16	0.09	0.04
	BC12-11	0.8	0.06	0.73	0.53	0.45	0.02
	BC12-12	0.31	0.25	<0.05	0.05	0.03	0.01
	BC12-13	1.54	0.06	1.44	2.64	1.33	0.05
Bohemian	BC12-14	0.92	0.01	0.86	0.16	0.10	0.03
	BC12-15	1.30	0.04	1.22	0.74	0.67	0.06
	BC12-16	0.95	0.03	0.87	0.10	0.09	<0.01
	BC12-17	1.06	0.01	1.01	0.19	0.15	0.02
Schooner	BC12-18	0.62	<0.01	0.58	0.07	0.07	<0.01
	BC12-19	0.27	<0.01	0.25	0.07	0.06	0.01
	BC12-20	0.82	0.07	0.78	0.27	0.29	0.01
	BC12-28	1.22	0.07	1.15	1.13	0.98	0.21
Moosehead	BC12-21	1.74	0.02	1.74	1.65	1.45	0.03
	BC12-22	1.21	0.02	1.16	0.45	0.35	0.01
	BC12-23	1.35	0.02	1.3	0.35	0.3	0.01
	BC12-24	1.39	0.02	1.35	0.96	0.79	0.02
	BC12-25	2.1	0.47	1.57	1.26	1.12	0.03
	BC12-26	2.38	0.17	2.18	1.48	1.36	0.04
Classic	BC12-29	0.04	<0.01	0.05	<0.01	<0.01	<0.01
	BC12-30	0.62	0.01	0.62	0.19	0.17	<0.01
	BC12-31	0.37	<0.01	0.37	0.03	<0.01	<0.01
	BC12-32	1.03	<0.01	1.00	0.13	0.09	<0.01

13.3.2 MLI Variability (2013) - Crusher Work Index and Abrasion

Samples of drill core were submitted to Phillips Enterprises LLC for bond impact and abrasion index testing. The results are summarized in Table 13-6.

Table 13-6
Work Index & Abrasion Results

Ore Zone	Sample ID	Crusher Work Index		Abrasion
		(kW-hr/mt)	kW-hr/short ton	Index
West Big Rock	WBR	4.96	4.50	0.0908
East Big Rock	EBR	5.33	4.83	0.0390
Lower Fosters	LF	9.82	8.91	0.0308
Bohemian	BOH Comp 14-17	12.97	11.76	0.0391
Moosehead	Comp 21-23	15.42	13.99	0.0434
Moosehead	Comp 24-36	13.03	11.82	0.0371

Work and abrasion indices are used to size crushing machines and to estimate the wear incurred during operations. The material tested is classified as soft to medium hard with mild abrasion.

13.3.3 MLI Variability (2013) - Screen Analyses

Each composite sample was screened, and stage crushed to approximately 80 percent passing 9.5 mm prior to bottle roll and column leach testing. These screen analyses are shown in Table 13-7.

Table 13-7
Composite Sample Head Screen Analysis

Ore Zone	Composite ID	Column ID	Weight Passing (%)					
			9.5mm	6.3mm	1.7mm	420µm	150µm	75µm
West Big Rock	BC12-01	P-1	81	56	26	13	8	6
	BC12-02	P-2	80	61	28	14	9	7
	BC12-03	P-3	79	54	23	11	6	4
	BC12-04	P-4	78	55	25	12	8	6
	BC12-27	P-27	78	49	20	9	6	5
East Big Rock	BC12-05	P-5	87	68	36	19	12	8
	BC12-06	P-6	85	64	33	17	11	7
	BC12-07	P-7	82	60	30	16	11	8
	BC12-08	P-8	80	47	19	8	5	4
Lower Fosters	BC12-09	P-9	78	64	43	28	22	19
	BC12-10	P-10	83	62	30	14	8	6
	BC12-11	P-11	78	57	28	15	9	7
	BC12-12	P-12	87	77	46	23	14	10
	BC12-13	P-13	78	50	20	9	5	4
Bohemian	BC12-14	P-14	84	55	23	10	6	4
	BC12-15	P-15	79	45	16	7	4	3
	BC12-16	P-16	85	60	28	13	8	6
	BC12-17	P-17	84	57	22	10	6	5
Schooner	BC12-18	P-18	78	52	23	11	7	5
	BC12-19	P-19	77	51	19	8	5	4
	BC12-20	P-20	84	59	24	11	7	5
	BC12-28	P-28	80	52	22	9	5	4
Moosehead	BC12-21	P-21	77	50	21	10	6	5
	BC12-22	P-22	79	51	21	10	6	5
	BC12-23	P-23	77	45	15	6	4	3
	BC12-24	P-24	75	43	15	6	4	3
	BC12-25	P-25	79	52	19	9	5	4
	BC12-26	P-26	80	52	21	10	6	5
Classic	BC12-29	P-29	81	63	32	12	5	3
	BC12-30	P-30	78	51	24	11	6	4
	BC12-31	P-31	84	61	33	17	9	5
	BC12-32	P-32	82	57	29	16	9	6

Two samples, both from Lower Fosters, showed greater than 10 percent passing 75 microns. In the column test program, only these samples were agglomerated with cement.

13.3.4 MLI Variability (2013) - Bottle Roll Testing

Bottle roll tests were conducted on 80 percent passing 1.7 mm composite test charges from each of the 32 composite samples to determine gold extraction, gold leach kinetics and reagent consumptions. The tests were conducted for 96 hours maintaining 40 percent solids, pulp pH between 10.8 and 11.2, and sodium cyanide concentration of 1 g/l. The pregnant leach solution samples were withdrawn at 2, 6, 24, 48, 72 and 96 hours to measure pH, cyanide concentration, gold concentration and silver concentration. At the end of 96 hours, the bottle roll tests were terminated, and leached residues were filtered, washed, dried, weighed, and assayed for gold and silver. The reagent consumptions and gold results are presented in Table 13-8.

Table 13-8
Composite Sample Bottle Roll Test Results

Metallurgical Tests		Gold Grade		Reagent Consumption		Gold Extraction (%)
	Composite I.D.	Calculated Head Assay (g/t)	Tail Assay (g/t)	NaCN (kg/t)	Lime (kg/t)	
West Big Rock	BC12-01	2.10	0.14	0.31	5.30	93.3
	BC12-02	0.79	0.31	0.34	3.10	60.8
	BC12-03	1.26	0.18	0.35	4.30	85.7
	BC12-04	0.88	0.82	0.45	4.20	6.8
	BC12-27	1.56	0.07	0.25	4.40	95.5
East Big Rock	BC12-05	1.11	0.51	0.36	4.00	54.1
	BC12-06	0.85	0.11	0.21	4.00	87.5
	BC12-07	0.33	0.07	0.16	3.30	78.8
	BC12-08	1.02	0.45	0.46	3.70	55.9
Lower Fosters	BC12-09	0.25	0.10	0.37	3.60	60.0
	BC12-10	0.53	0.14	0.23	2.60	73.6
	BC12-11	0.56	0.09	0.08	3.20	83.9
	BC12-12	1.96	0.34	0.20	4.40	82.7
	BC12-13	4.32	3.84	1.27	4.50	11.1
Bohemian	BC12-14	0.18	0.04	0.30	3.80	77.8
	BC12-15	0.33	0.04	0.35	2.90	87.9
	BC12-16	0.72	0.09	0.28	3.10	87.5
	BC12-17	0.35	0.02	0.29	3.50	94.3
Schooner	BC12-18	0.47	0.02	<0.07	2.50	95.7
	BC12-19	5.12	0.77	0.28	3.10	85.0
	BC12-20	3.68	0.72	0.14	2.80	80.4
	BC12-28	6.64	3.55	0.35	2.80	46.5
Moosehead	BC12-21	1.28	1.22	0.49	1.60	4.7
	BC12-22	0.67	0.32	0.30	2.40	52.2
	BC12-23	0.43	0.37	0.78	1.90	14.0
	BC12-24	1.23	1.03	0.40	2.40	16.3
	BC12-25	0.48	0.48	0.72	1.80	0
	BC12-26	1.55	1.55	0.65	1.80	0
Classic	BC12-29	0.25	0.01	0.18	2.50	96.0
	BC12-30	0.48	0.24	0.55	3.70	50.0
	BC12-31	0.76	0.19	0.19	2.00	75.0
	BC12-32	0.48	0.26	0.40	4.20	45.8

The calculated gold head assays obtained from the bottle roll mass balance check very well with the head assays as shown in Figure 13-1.

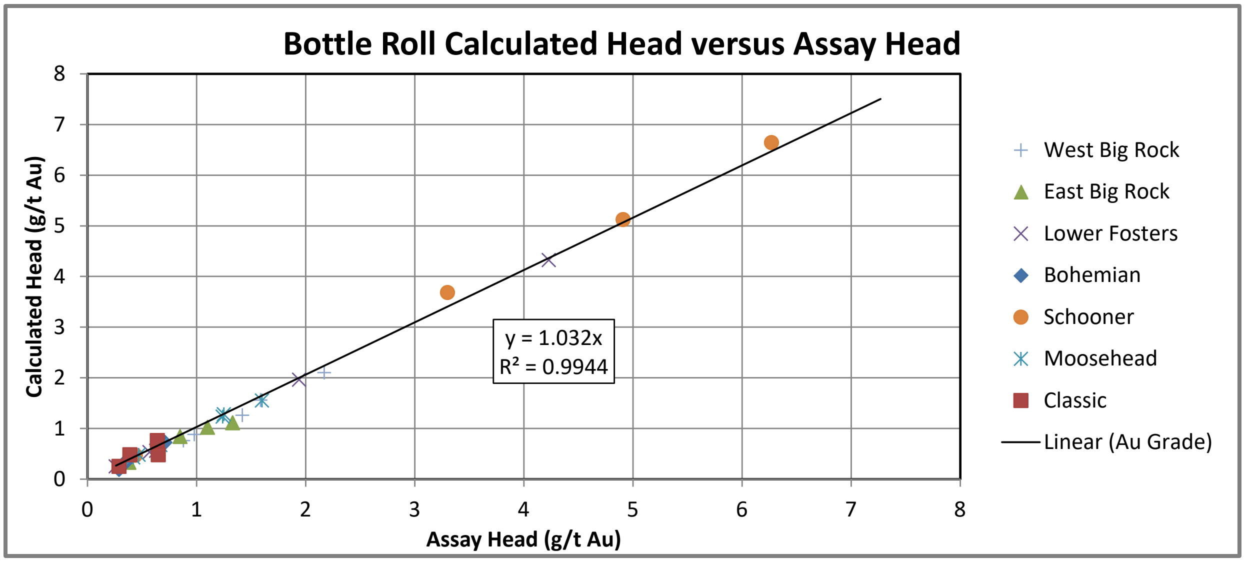


Figure 13-1 Boll Roll Head Assays

Bottle roll gold extraction varied widely from zero to 96 percent. The ratios of cyanide soluble gold from cyanide shake tests to total, reasonably predict the variation in bottle roll gold extraction as shown in Figure 13-2.

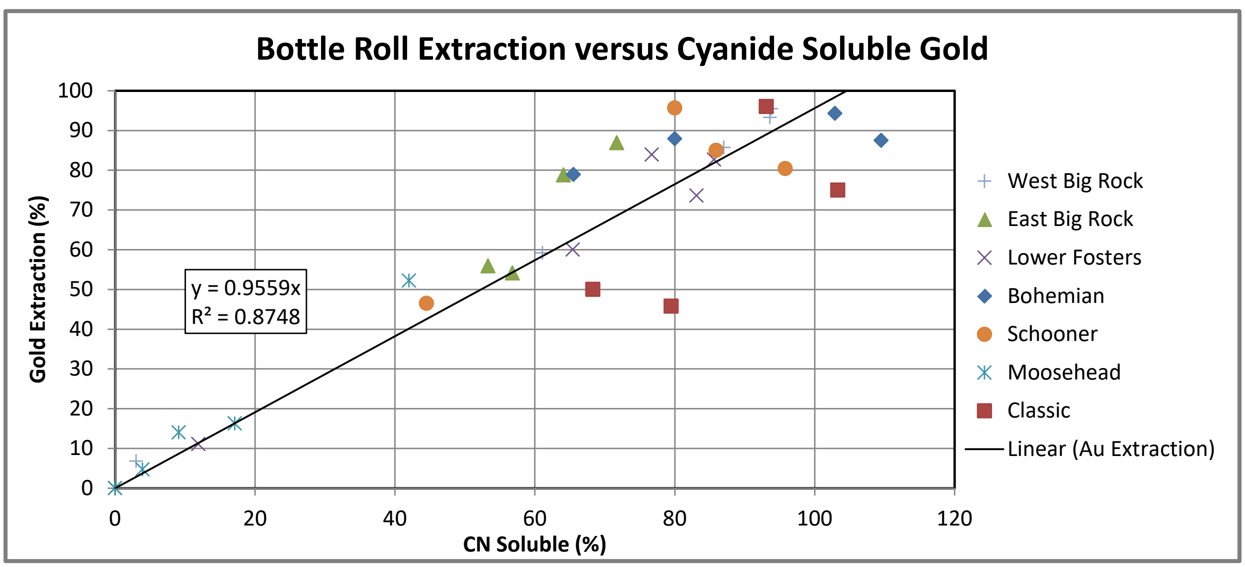


Figure 13-2 Boll Roll Gold Extraction Results

13.3.5 MLI Variability (2013) - Locked Cycle Column Leach Testing

A locked cycle column leach test program was conducted on 80 percent passing 9.5 mm composite samples. A total of 32 column tests were completed. Each test charge was agglomerated with either lime or cement and water to optimum moisture content before loading in the column. Lime addition was based on lime requirements for pH control during bottle roll testing.

Feed solution containing 1.0 g/l NaCN was applied at a rate of 12 $L/h/m^2$ and pregnant leach solutions volumes were measured daily, and samples were collected and submitted for gold and silver analysis, pH, and cyanide concentration. The pregnant leach solutions were pumped through a three-stage carbon circuit for adsorption of dissolved gold values. Barren solution, with appropriate make-up reagents, was applied to the material charges daily.

Column test physical data are shown in Table 13-9. This table can also be seen in the MLI report, Table 109 (MLI, 2013). The difference between the two tables is the saturated moisture. In the MLI report it is described as dry basis. In this report the saturated moisture is calculated on a wet basis so that retained moistures and agglomeration moistures can be directly compared.

After leach-rest cycles, wash cycles were conducted to remove residual cyanide and to recover dissolved gold values. At the end of the wash cycles, drain cycles were conducted to remove excess solution from the residues. After leaching, washing, and draining, residues were unloaded from the columns, air dried, blended and split to obtain samples for tail assay analyses. Metallurgical results obtained from the column leach tests are presented in Table 13-10.

Table 13-9
Composite Samples Column Leach Test Physical Characteristics

Ore Zone	Comp. ID	Test No.	Charge (kg)	Passing 100 mesh (%)	Ore Moisture (wt. %), Wet Basis				Apparent Bulk Density (t/m^3)	
					As Rec'd	For Aggl.	to Saturate	Retained	Before	After
West Big Rock	BC12-01	P-1	71.48	6.0	0.5	0.5	9.1	9.4	1.35	1.39
	BC12-02	P-2	70.96	7.0	0.4	0.4	8.7	8.5	1.37	1.40
	BC12-03	P-3	71.75	4.3	0.4	0.4	8.9	6.1	1.46	1.50
	BC12-04	P-4	71.79	6.0	0.0	0.0	11.7	7.0	1.36	1.38
	BC12-27	P-27	71.24	4.5	0.6	7.6	14.6	7.6	1.30	1.28
East Big Rock	BC12-05	P-5	71.54	8.4	0.6	0.6	10.1	10.8	1.40	1.42
	BC12-06	P-6	33.79	7.4	0.4	0.4	7.1	11.3	1.45	1.45
	BC12-07	P-7	71.33	8.3	0.4	0.4	6.4	19.5	1.47	1.48
	BC12-08	P-8	71.27	3.7	0.4	0.4	8.5	8.0	1.46	1.53
Lower Fosters	BC12-09	P-9	71.23	18.8	0.3	9.7	19.8	9.5	1.25	1.43
	BC12-10	P-10	71.49	6.1	0.2	0.2	7.3	8.6	1.36	1.48
	BC12-11	P-11	68.81	7.0	0.3	0.3	7.7	10.2	1.29	1.38
	BC12-12	P-12	71.51	10.3	0.3	10.0	17.0	10.9	1.23	1.28
	BC12-13	P-13	71.52	4.1	0.1	0.1	6.7	6.3	1.42	1.43
Bohemian	BC12-14	P-14	71.83	4.3	0.0	6.7	13.3	6.3	1.38	1.38
	BC12-15	P-15	71.90	3.4	0.0	5.3	12.5	5.8	1.41	1.42
	BC12-16	P-16	71.89	6.3	0.0	6.6	12.9	6.8	1.35	1.37
	BC12-17	P-17	71.97	4.8	0.0	6.6	14.2	8.7	1.36	1.38
Schooner	BC12-18	P-18	71.91	5.1	0.0	6.2	14.0	7.0	1.36	1.37
	BC12-19	P-19	71.72	3.5	0.0	5.2	12.3	6.7	1.35	1.37
	BC12-20	P-20	71.82	5.0	0.0	6.4	12.7	8.1	1.34	1.37
	BC12-28	P-28	71.60	4.1	0.3	5.4	18.3	6.7	1.41	1.43
Moosehead	BC12-21	P-21	71.53	4.9	0.2	0.2	6.3	6.0	1.47	1.51
	BC12-22	P-22	71.74	4.8	0.4	0.4	6.3	7.4	1.39	1.44
	BC12-23	P-23	71.40	2.8	0.3	0.3	6.2	5.9	1.37	1.42
	BC12-24	P-24	71.42	2.7	0.2	0.2	6.6	6.9	1.38	1.42
	BC12-25	P-25	71.42	4.0	0.3	0.3	7.2	6.5	1.39	1.45
	BC12-26	P-26	71.32	4.3	0.3	0.3	6.3	3.4	1.47	1.50
Classic	BC12-29	P-29	71.08	3.2	1.0	7.3	13.1	10.6	1.44	1.46
	BC12-30	P-30	71.39	3.8	0.6	6.1	19.0	5.5	1.43	1.44
	BC12-31	P-31	71.30	5.4	0.8	6.9	12.4	6.5	1.59	1.63
	BC12-32	P-32	71.01	5.8	1.0	6.8	11.9	6.8	1.44	1.44

Table 13-10
Composite Samples Column Leach Test Results

Metallurgical Tests			Gold Head Grade (g/t)		Reagent Consumption			Gold Extraction	
Ore Zone	Composite I.D.	Test No.	Assay	Calculated	NaCN (kg/t)	Lime (kg/t)	Cement (kg/t)	Indicated (%)(1)	Final (%)
West Big Rock	BC12-01	P-1	2.15	2.13	0.99	4.8	-----	94.4	95.3
	BC12-02	P-2	0.84	0.82	0.99	2.8	-----	73.8	75.6
	BC12-03	P-3	1.36	1.43	0.99	3.9	-----	91.8	87.4
	BC12-04	P-4	0.96	0.92	1.24	3.8	-----	24.0	25.0
	BC12-27	P-27	1.58	1.58	0.75	4.0	-----	96.8	96.8
East Big Rock	BC12-05	P-5	1.28	1.28	1.68	3.6	-----	76.6	76.6
	BC12-06	P-6	0.85	0.83	1.23	3.6	-----	87.1	89.2
	BC12-07	P-7	0.36	0.37	1.06	3.0	-----	88.9	86.5
	BC12-08	P-8	1.08	1.07	0.86	3.3	-----	72.2	72.9
Lower Fosters	BC12-09	P-9	0.25	0.23	0.89	-----	6.0	67.0	73.6
	BC12-10	P-10	0.59	0.56	0.77	2.3	-----	80.7	82.1
	BC12-11	P-11	0.61	0.55	0.68	2.9	-----	73.6	81.8
	BC12-12	P-12	1.91	1.90	0.87	-----	8.0	92.7	93.2
	BC12-13	P-13	4.32	4.45	1.82	4.1	-----	12.7	12.4
Bohemian	BC12-14	P-14	0.26	0.22	0.81	3.4	-----	61.5	72.7
	BC12-15	P-15	0.34	0.33	0.74	2.6	-----	84.8	87.8
	BC12-16	P-16	0.71	0.79	0.75	2.8	-----	91.2	82.2
	BC12-17	P-17	0.35	0.35	0.74	3.2	-----	91.0	91.4
Schooner	BC12-18	P-18	0.44	0.46	0.64	2.3	-----	97.1	93.4
	BC12-19	P-19	5.00	5.07	1.54	2.8	-----	91.4	90.1
	BC12-20	P-20	3.44	3.50	1.44	2.5	-----	84.9	83.4
	BC12-28	P-28	6.47	6.98	0.66	2.5	-----	48.1	44.6
Moosehead	BC12-21	P-21	1.27	1.29	0.61	1.5	-----	1.6	1.6
	BC12-22	P-22	0.67	0.61	0.76	2.2	-----	44.8	49.2
	BC12-23	P-23	0.42	0.39	0.67	1.7	-----	9.5	10.3
	BC12-24	P-24	1.24	1.17	0.54	2.1	-----	11.3	12.0
	BC12-25	P-25	0.48	0.47	0.91	1.6	-----	0.0	0.0
	BC12-26	P-26	1.59	1.65	0.46	1.6	-----	0.0	0.0
Classic	BC12-29	P-29	0.27	0.22	0.39	2.3	-----	77.8	95.5
	BC12-30	P-30	0.60	0.58	1.44	3.3	-----	40.0	41.4
	BC12-31	P-31	0.69	0.68	0.96	1.8	-----	81.2	82.4
	BC12-32	P-32	0.43	0.41	1.24	3.8	-----	41.9	43.9

Remarks: (1) Calculated based on average head assays.

Calculated and assay heads show good agreement. Indicated extraction is calculated based on the cumulative solution analysis and measured head. The final extraction is calculated based on the cumulative solution assays and leached residue assays. Both measurements show good agreement with the average extractions shown in the bottle tests and cyanide shake tests. Compared to the bottle roll leach tests, column leach test recoveries were consistently greater for composites with known preg-robbing material and variable for composites with little to no observed preg-robbing.

Gold recoveries varied significantly by pit and material type with the lowest recoveries being associated with composites containing preg-robbing graphitic argillite and to a lesser extent with refractory material at depth. In general, recoveries for the intrusive LAQM and AQM material types were good, ranging from 72.7% to 96.8% on non-refractory material and would yield acceptable results using standard heap leaching methods. Only one column test was conducted on material identified as primarily argillite. The argillite composite was identified as being preg-robbing with a calculated preg-robb factor of 80.8 and achieved a final recovery of 25%. Argillite was also identified in several other composites with these columns achieving reduced recoveries compared to similar composites not containing argillite.

The sodium cyanide consumption ranged approximately from 0.61 to 1.82 kg/t. Consumption appears to be material dependent with the pits showing similar consumptions.

Lime was not added for pH control to any of the columns while under leach and pregnant leach solution pH values were acceptable between 10 and 11 for most of the test with occasional early periods of 11 to 12, and isolated occurrences of pH greater than 12 or less than 9 at solution breakthrough.

Additional details for the variability test program performed at MLI can reviewed in the 3 July report referenced in this report.

The column leach study contained samples that were not considered potential heap material but were tested to observe the metallurgical response. This included samples outside of the proposed pit limits as well as samples from areas with known preg-robbing or refractory response as described by Brewery Creek geology personnel. The results of these column tests were omitted in estimation of gold recovery and reagent consumption by pit for this test program. The omitted column tests are:

- West Big Rock BC12-04 Composite Sample
- East Big Rock BC12-05 Composite Sample
- Lower Foster BC12-12 Composite Sample
- Lower Foster BC12-13 Composite Sample
- Moosehead BC12-21 Composite Sample
- Moosehead BC12-24 Composite Sample
- Moosehead BC12-25 Composite Sample
- Moosehead BC12-26 Composite Sample

13.3.6 MLI Variability (2013) – Additional Variability & Preg-Rob Test Work

Each of the 167 sub-composite samples were analyzed for total and cyanide soluble gold and preg-robbing potential, in addition to bottle roll leach tests. The variability sub-composites had gold grades ranging from 0.25 to 6.56 g Au/t. Key results from the variability and preg-robbing test work are summarized below. Additional information can be found in the referenced MLI 3 July report (MLI 2013).

The variability testing showed some preg-robbing characteristics for material from the West Big Rock, East Big Rock and Lower Fosters pits, which is attributed primarily to graphitic argillite material present in the composites. The highest preg-robbing factors are in the lowest cyanide soluble gold ranges for the samples, as seen in Figure 13-3. There are some preg-robbing factors in the 20% to 30% range for East Big Rock material at cyanide soluble assays up to 0.5 g Au/t.

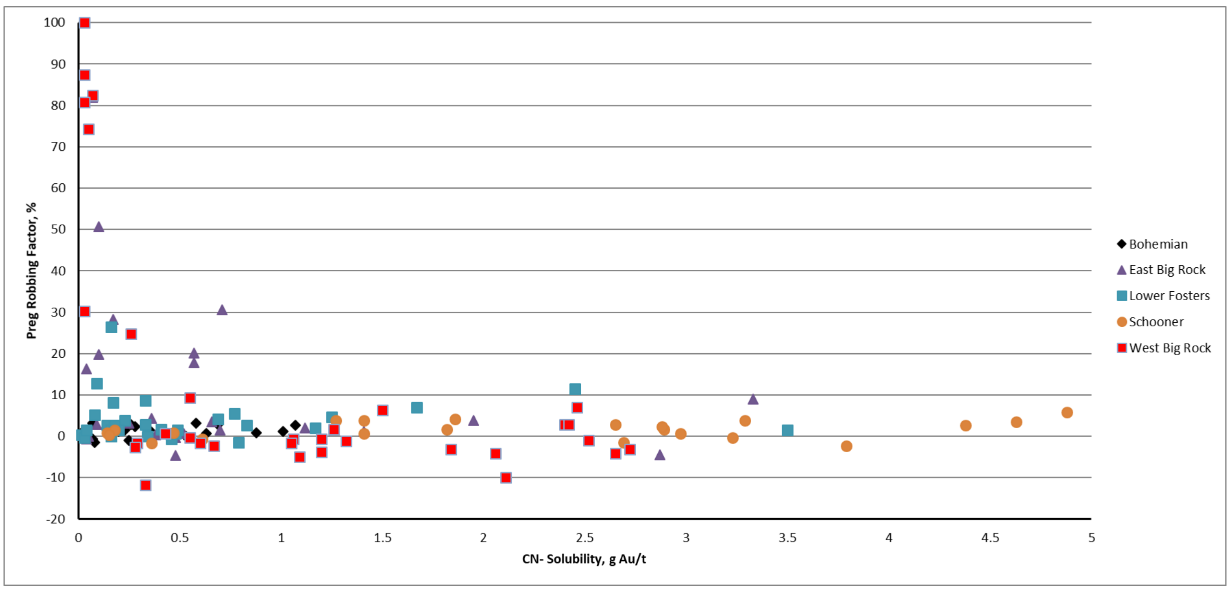


Figure 13-3 Gold Cyanide Solubility vs. Preg-Robbing Factor

All of the pits show some correlation between gold recovery vs. depth ranging from significant to minor. The Lower Fosters, Schooner and classic pits show a strong correlation of reduced recoveries at increased depths as shown in Figure 13-4 and it is speculated that there may be some sulfide encapsulation occurring in these materials. Low recoveries for the other pits are primarily associated with the presence or preg-robbing argillite material rather than pit depth.

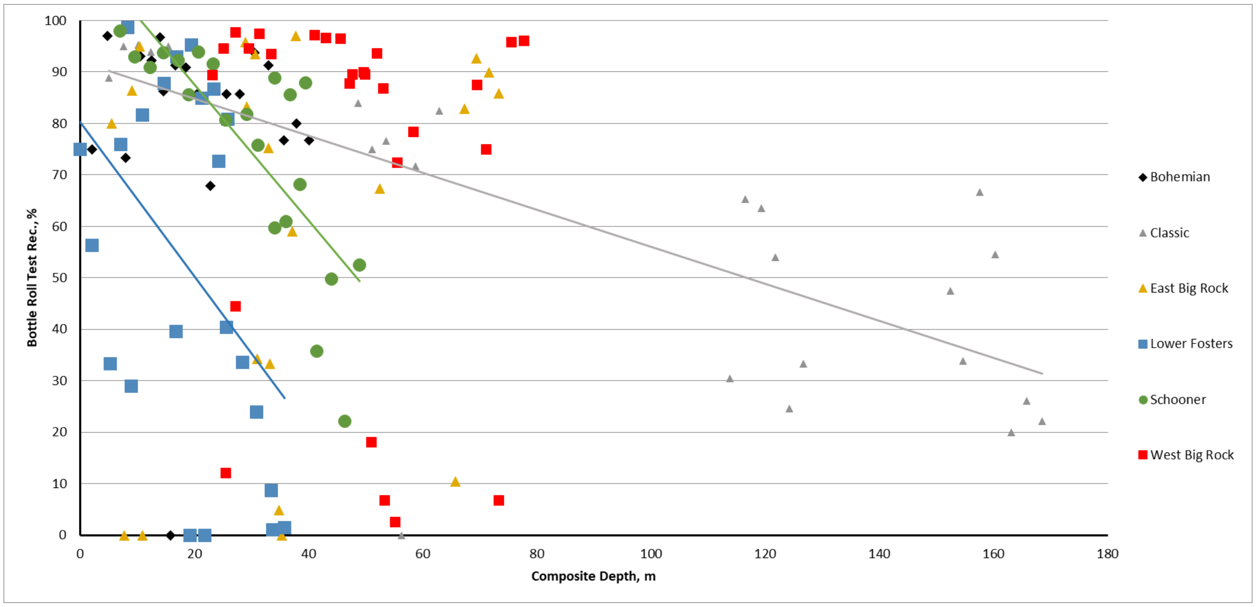


Figure 13-4 Bottle Roll Gold Recovery vs. Composite Depth

The gold extraction for the column leach tests are generally higher than the extraction from the bottle roll leach tests, particularly on samples with known preg-robbing material. The higher recoveries in the column tests are speculated to be due to a higher effect of preg-robbing in the bottle roll tests. A trend between the difference in gold recoveries between the column and bottle roll tests and the preg-robbing factors is presented in Figure 13-5. The preg-robbing effect may be higher on the bottle rolls due to liberation of organic carbon or the lower grade of solution in the columns not loading the carbon as much.

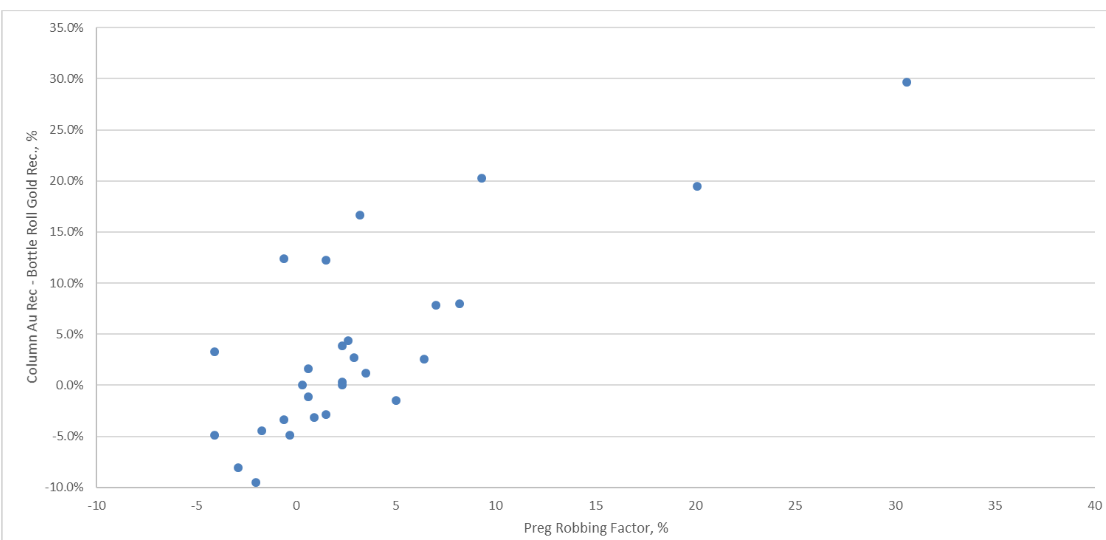


Figure 13-5 Column Au Recovery Less Bottle Roll Gold Recovery vs. Preg-Robbing Factor

13.4 SGS Comminution & Metallurgical Testing (2018)

Results from the 2018 SGS Canada program summarized herein are extracted from the SGS report titled “An investigation into Comminution and Metallurgical Testing on Samples from the Brewery Creek Project, 23 August 2018”.

In 2017, 160 intervals, from 12 drill holes, were taken from the Kokanee (KC), Golden (GC) and Lucky (LC) deposits, which had all been previously mined during the original mining operations, and were submitted to SGS for comminution and metallurgical testing. Samples from each drill hole were subjected to Bond low-energy impact tests (CWI) and each interval was assayed for total gold and cyanide soluble gold content. The intervals were combined into 16 composites; an additional composite was later received, labelled GT-001. Select composites were utilized for comminution testing, including Bond abrasion testing (Ai) and Bond ball mill grindability testing (BWI). Varying selections of composites were utilized for cyanide carbon in leach (CIL) test work, coarse bottle roll leach tests, column leach tests, and combined coarse bottle roll and CIL tests. Rougher flotation tests were also completed on select composites from this material but are not discussed in this report.

Additional details and the flotation test work can be found in referenced 23 August 2018 SGS Canada’s report (SGS, 2018).

13.4.1 SGS (2018) - Head Assays, Sample Preparation & Preg-Robbing Tests

Each drill interval was assayed for total and cyanide soluble gold content and sixteen drill hole composites were prepared from selected intervals. Each composite sample was then analyzed for total and cyanide soluble gold and preg-robbing potential, in addition to bottle roll leach tests. A summary of the composite tests is presented in Table 13-11.

Table 13-11
Composite Head Assay, CN Soluble Gold & Preg-Robb Test Results

Sample ID	Drill Hole	Interval Range, m	Au, g/t	CN- Sol. Au, g/t	Preg-rob, %	Total C, %	Total S, %
KC-1	PBC14-15	7 to 33	1.07	1.04	-7.2	0.84	0.21
KC-2	PBC14-15	33 to 55	1.49	0.94	-4.1	1.46	0.50
KC-3	PBC14-16	0 to 33	0.71	0.35	-22.6	1.48	0.66
KC-4	PBC14-16	36 to 65.5	0.72	0.41	-34.9	1.64	0.44
KC-5	PBC14-17	8.8 to 12.3	0.96	0.80	3.6	0.12	0.41
KC-6	PBC14-17	14.1 to 21.6	0.71	0.40	3.6	0.21	0.83
KC-7	PBC14-17	30.5 to 34.5	3.30	<0.01	7.1	1.90	1.46
KC-8	PBC14-19	32.2 to 38.1	3.66	<0.01	1.8	1.77	1.82
KC-9	PBC14-20	5.1 to 10.4	0.50	<0.01	8.4	1.50	1.13
GC-1	PBC14-21	14.2 to 25.6	1.74	<0.01	1.7	1.53	1.33
GC-2	PBC14-22	5.2 to 26.1	0.46	0.41	-31.6	0.21	0.21
LC-1	PBC14-24	1.5 to 15.7	1.66	1.01	-8.4	1.65	1.44
LC-2	PBC14-24	N/A	4.29	<0.01	-3.7	2.05	1.23
LC-3	PBC14-25	21.2 to 26.8	4.36	0.28	9.8	1.54	1.48
LC-4	PBC14-29	70.7 to 92.5	1.55	<0.01	-29.6	1.67	1.68
LC-5	PBC14-31	6.4 to 27.4	4.74	1.82	-56.1	1.47	1.11
GT-011	N/A	N/A	21.70	9.55	62.0	1.91	1.78

Tests for samples KC-7, KC-9, LC-3 and GT-011 showed noticeable gold loss, significant for GT-011, and would be considered preg-robbing. There is no clear trend between the CN^- soluble gold and the preg-robbing in these samples.

13.4.2 SGS (2018) - Comminution Test Work

Samples were taken from each drill hole and used to determine the bond low-energy impact Crusher Work Index (CWI). A summary of the low-energy impact test results is presented in Table 13-12.

Table 13-12
Bond Low-Energy Impact (CWI) Test Results

Sample ID	Number of Specimens	Average CWI (kWh/t)	Min CWI (kWh/t)	Max CWI (kWh/t)	Hardness Percentile	Category
PBC14-15	19	8.4	1.2	19.0	41	Medium
PBC14-16	20	9.7	1.9	18.1	50	Medium
PBC14-17	20	5.3	0.4	13.0	16	Soft
PBC14-19	20	6.6	1.0	27.5	28	Moderately Soft
PBC14-20	20	4.6	1.2	14.5	12	Soft
PBC14-21	20	3.2	0.4	18.7	3	Very Soft
PBC14-22	20	8.3	1.2	29.7	40	Medium
PBC14-24	20	4.0	0.4	10.2	9	Very Soft
PBC14-25	20	10.2	1.6	17.3	52	Medium
PBC14-29	20	3.7	0.5	12.3	6	Very Soft
PBC14-30	20	4.3	1.6	10.1	10	Very Soft
PBC14-31	20	9.2	1.1	31.0	46	Medium

The average hardness for the material tested ranges between very soft and medium.

In addition to the rocks selected for low-energy impact tests, splits from selected composites were utilized for additional comminution testing. The results of the Bond abrasion and Bond work index testing are presented in Table 13-13.

Table 13-13
Composite Samples Comminution Test Results

Sample ID	Ai (g)	Abrasion Category	BWI (kWh/t)	BWI Category
KC-1	0.053	Mild	15.9	Moderately Hard
KC-2	0.058	Mild	16.5	Moderately Hard
KC-3	0.093	Mild	16.4	Moderately Hard
KC-4	0.088	Mild	15.0	Medium
KC-7	0.092	Mild	15.4	Moderately Hard
GC-1	0.094	Mild	15.8	Moderately Hard
GC-2	0.057	Mild	15.4	Moderately Hard
LC-1	0.090	Mild	17.4	Hard
LC-4	0.090	Mild	16.6	Moderately Hard
LC-5	0.067	Mild	14.8	Medium

The abrasion indices fell in a narrow range, from 0.053 to 0.094 with an average of 0.078. All the composites have mild abrasiveness. The samples grindability is classified as medium to moderately hard with ball mill work indices varying from 14.8 to 17.4 kWh/t with an average of 15.9 kWh/t.

13.4.3 SGS (2018) - Bottle Roll Leach Testing

Select composites were utilized for CIL bottle roll leach tests. The CIL tests were conducted on P_{80} 75-micron material at 40% solids with 20 g/L carbon for 72 hours. A summary of the CIL leach test results is presented in Table 13-14.

Table 13-14
CIL Bottle Roll Leach Test Results

Sample ID	Au Head, g/t	Au Rec., %	NaCN, kg/t	CaO, kg/t
KC-5	0.96	86.7	1.82	1.91
KC-6	0.71	67.6	0.99	2.54
KC-7	3.30	0.8	1.31	1.91
KC-8	3.66	1.8	4.15	2.17
KC-9	0.50	12.0	1.73	1.88
GC-1	1.74	17.5	1.47	1.92
LC-2	4.29	8.1	1.17	1.76
LC-3	4.36	10.4	2.87	2.48
LC-4	1.55	2.0	2.96	3.31
LC-5	4.74	49.0	1.88	2.44
GT-011	21.70	45.4	4.03	3.64

The gold recoveries ranged from 0.8% to 86.7%, with an average of 27.4% for the CIL tests. Average cyanide consumption was 2.22 kg/t and average lime consumption was 2.36 kg/t.

In addition to the CIL tests, coarse bottle roll leach tests were conducted on select composites. The coarse bottle roll leach tests were conducted on material with a P_{80} of 9.5 mm (3/8”) at 40% solids for 72 hours.

A portion of the composites utilized for coarse bottle roll leach tests were also utilized for coarse bottle rolls with the minus 2 mm material separated and leached separately in a CIL bottle roll. The material was crushed to a P_{80} of 9.5 mm and the material passing 2 mm was screened out. The +2 mm material was utilized in a coarse bottle roll leach test and the -2 mm material was leached separately in a CIL bottle roll test. The results from these tests are presented in Table 13-15.

Table 13-15
Coarse Bottle Roll & Coarse Bottle Roll + -CIL Test Results

Sample ID	Coarse Bottle Roll				Coarse Bottle Roll + CIL on Fines			
	Au Head, g/t	Au Rec., %	NaCN, kg/t	CaO, kg/t	Au Head, g/t	+2mm Au Rec., %	-2mm CIL Au Rec., %	Combined Au Recovery, %
KC-1	1.07	95.9	0.47	1.77	0.94	90.9	95.1	92.4
KC-2	1.49	63.0	0.31	1.63	1.54	65.4	83.2	70.3
KC-3	0.71	63.6	0.49	1.61	0.77	55.6	75.7	60.1
KC-4	0.72	51.4	0.38	1.52	0.74	47.9	70.5	53.8
KC-5	0.96	86.1	1.28	1.31				
KC-6	0.71	64.3	1.53	1.35				
GC-2	0.46	90.0	1.37	1.84	0.35	80.1	91.1	83.5
LC-1	1.66	59.9	1.27	1.53	1.48	56.8	76.2	61.8

Separating out the material passing 2 mm for a CIL test did not give a clear advantage over the coarse bottle roll leach test. The coarse bottle roll tests averaged 56.5% gold recovery. The coarse bottle rolls that were also utilized for combined testing had an average recovery of 70.6% and the combined bottle rolls averaged 66.1%.

13.4.4 SGS (2018) - Column Leach Testing

Cyanide column leach tests were conducted on six of the composites that were crushed to a P_{80} of 9.5 mm (3/8"). Each sample was agglomerated with cement and allowed to cure 24 hours before loading into the columns. The composites were leached with 1 g/t NaCN solution in a pH environment of 10.5 to 11.0. The leach solution was applied at 10 l/h/m^2. The results of the column leach tests are presented in Table 13-16.

Table 13-16
SGS Column Leach Test Results

Metallurgical Tests			Gold Head Grade (g/t)		Reagent Consumption			Leach Days	Gold Extraction (%)
Ore Zone	Composite I.D.	Test No.		Calculated	NaCN (kg/t)	CaO (kg/t)	Cement (kg/t)		
Kokanee	KC-1	CL-KC1	91.9	0.95	0.61	1.42	15	215	91.9
	KC-2	CL-KC2	1.49	1.52	0.56	1.31	10	215	62.4
	KC-3	CL-KC3	0.71	0.67	0.98	1.23	15	365	53.6
	KC-4	CL-KC4	0.72	0.67	0.92	1.51	20	365	41.3
Golden	GC-2	CL-GC2	0.46	0.46	0.85	1.96	20	365	78.6
Lucky	LC-1	CL-LC1	1.66	1.63	0.77	1.14	20	215	55.9

Based on the data available, the Kokanee material shows a relationship between hole depth and recovery with overall recoveries decreasing with increased hole depth. The results also show leach times for these column tests were significantly longer than those seen in the previous series of test work completed by MLI. The kinetic leach curves are presented in Figure 13-6.

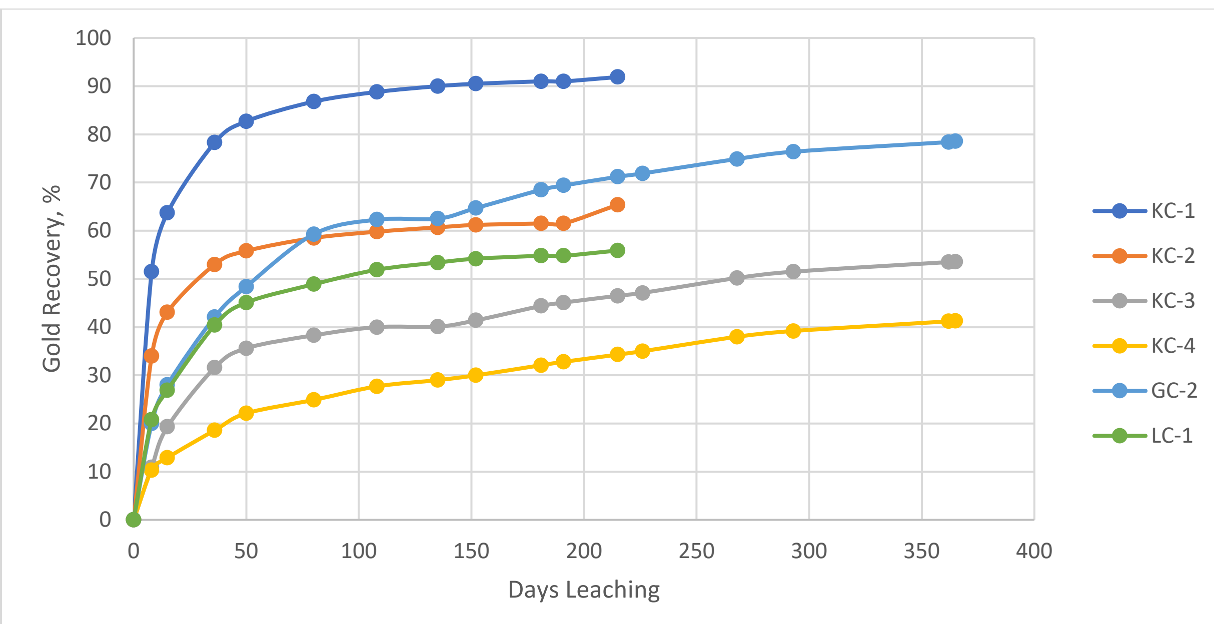


Figure 13-6 Column Au Recovery Kinetics

For the 4" (100 mm) column tests, the 2 kl/t solution requirement concluded from the MLI test work occurs at 57 days. As shown in the figure above, the leaching is not near complete for any of the tests at 57 days. These are pits that were historically mined at, so the remaining material is at depth and is presumably higher in transition and sulfide material. Cyanide consumption for the column leach tests were low to moderate and ranged from 0.46 to 1.63 kg/t.

The samples tested are from historic pits at the Brewery Creek property that were mined until early 2000.

13.5 KCA Compacted Permeability Test Work (2020 / 2021)

A series of compacted permeability tests were completed by KCA between February 2020 and August 2021 as part of the variability test work being performed by McClelland Laboratories. In total 33 compacted permeability tests were completed and are detailed in the following KCA laboratory reports:

- "Brewery Creek Project Report of Compacted Permeability Test Work, February 2020 (BCRK_01)"
- "Brewery Creek Project Report of Compacted Permeability Test Work, February 2020 (BCRK_02)"
- Brewery Creek Project Report of Compacted Permeability Test Work, July 2020 (BCRK_03)"
- "Brewery Creek Project Compaction Test Work Report on Metallurgical Test Work, August 2021 (BCRK_05)"

Results from the compacted permeability tests are summarized and presented below in Table 13-17 through Table 13-20.

Table 13-17
Compacted Permeability Test Results – KCA BCRK_01

KCA Sample No.	Ore Size, mm	Cement Added, kg/MT	Cure Time Hours	Effective Height, meter	Flow Rate, LpHr/m^2	Flow Result Pass/Fail	Saturated Permeability, cm/sec	Slump, % Slump	Slump Result Pass/Fail	Overall Pass/Fail
87901 A	12.5	0	72	40	52	Fail	0.001	18%	Fail	Fail
87902 A	12.5	0.3	72	40	149	Pass	0.004	14%	Fail	Fail
87906 A	12.5	3.0	72	40	71	Fail	0.002	12%	Fail	Fail
87903 A	12.5	4.5	72	40	0	Fail	0.000	14%	Fail	Fail
87904 A	12.5	5.75	72	40	62	Fail	0.002	12%	Fail	Fail

Table 13-18
Compacted Permeability Test Results – KCA BCRK_02

KCA Sample No.	Ore Size, mm	Cement Added, kg/MT	Cure Time Hours	Effective Height, meter	Flow Rate, LpHr/m²	Flow Result Pass/Fail	Saturated Permeability, cm/sec	Cum. Slump, % Slump	Slump Result Pass/Fail	Overall Pass/Fail
89708 B	12.5	8	72	40	17	Fail	0.000	10%	Pass	Fail
89708 B	12.5	12	72	20	2,632	Pass	0.073	7%	Pass	Pass
				40	854	Pass	0.024	15%	Pass	Pass
89708 B	12.5	16	72	40	861	Pass	0.024	6%	Pass	Pass

Table 13-19
Compacted Permeability Test Results – KCA BCRK_03

KCA Sample No.	Ore Size, mm	Cement Added, kg/MT	Cure Time Hours	Effective Height, meter	Flow Rate, LpHr/m²	Flow Result Pass/Fail	Saturated Permeability, cm/sec	Cum. Slump, % Slump	Slump Result Pass/Fail	Overall Pass/Fail
87937 A	As Rec'd	6	72	20	3,430	Pass	0.095	8%	Pass	Pass
				40	1,641	Pass	0.046	14%	Pass	Pass
87939 A	As Rec'd	2	72	20	2,022	Pass	0.056	11%	Pass	Pass
				40	544	Pass	0.015	16%	Fail	Fail
87939 B	As Rec'd	4	72	20	2,461	Pass	0.068	11%	Pass	Pass
				40	958	Pass	0.027	14%	Pass	Pass
87939 C	As Rec'd	0	72	20	2,927	Pass	0.081	1%	Pass	Pass
				40	2,844	Pass	0.079	4%	Pass	Pass
87939 D	As Rec'd	4	72	20	3,022	Pass	0.084	2%	Pass	Pass
				40	2,907	Pass	0.081	7%	Pass	Pass
87936 A	As Rec'd	6	72	20	364	Pass	0.010	13%	Pass	Pass
				40	33	Fail	0.001	17%	Fail	Fail

Table 13-20
Compacted Permeability Test Results – KCA BCRK_05

KCA Sample No.	Sample Description	Ore Size, mm	Cement Added, kg/MT	Cure Time, hours	Effective Height, meter	Flow Rate, LpHr/m²	Flow Result Pass/Fail	Saturated Permeability, cm/sec	Cum. Slump, % Slump	Slump Result Pass/Fail	Overall Pass/Fail
91924 A	Lower Fosters	19	0	--	40	3,963	Pass	0.110	3%	Pass	Pass
					60	3,924	Pass	0.109	4%	Pass	Pass
91924 A	Lower Fosters	19	4	72	40	4,365	Pass	0.121	1%	Pass	Pass
					60	4,311	Pass	0.120	3%	Pass	Pass
91925 A	Lucky	19	0	--	40	2,492	Pass	0.069	2%	Pass	Pass
					60	1,529	Pass	0.042	4%	Pass	Pass
91925 A	Lucky	19	4	72	40	4,646	Pass	0.129	2%	Pass	Pass
					60	4,579	Pass	0.127	3%	Pass	Pass
91926 A	Golden	19	0	--	40	4,473	Pass	0.124	1%	Pass	Pass
					60	4,436	Pass	0.123	4%	Pass	Pass
91926 A	Golden	19	4	72	40	4,571	Pass	0.127	1%	Pass	Pass
					60	4,478	Pass	0.124	5%	Pass	Pass
91927 A	Kokanee	19	0	--	40	3,958	Pass	0.110	2%	Pass	Pass
					60	3,164	Pass	0.088	4%	Pass	Pass
91927 A	Kokanee	19	4	72	40	4,448	Pass	0.124	2%	Pass	Pass
					60	4,294	Pass	0.119	5%	Pass	Pass
91928 A	Lower Fosters	9.5	0	--	40	3,320	Pass	0.092	2%	Pass	Pass
					60	3,009	Pass	0.084	4%	Pass	Pass
91928 A	Lower Fosters	9.5	4	72	40	4,203	Pass	0.117	2%	Pass	Pass
					60	4,001	Pass	0.111	5%	Pass	Pass
91929 A	Kokanee	9.5	0	--	40	4,264	Pass	0.118	2%	Pass	Pass
					60	4,177	Pass	0.116	4%	Pass	Pass
91929 A	Kokanee	9.5	4	72	40	4,148	Pass	0.115	2%	Pass	Pass
					60	4,056	Pass	0.113	5%	Pass	Pass

Compacted permeability tests for the BCRK_01 and BCRK_02 were completed on a portion of the heap residue master composite prepared by McClelland Laboratories. The material was crushed to 100% passing 12.5 mm and agglomerated with cement at 0, 0.3, 3, 4.5, 5.75, 8, 12 and 16 kg per tonne of material and were evaluated at the simulated design heap height of 40 m. The compacted permeability tests results were then evaluated based on the following criteria:

1. **Slump** - A slump of over 10% is generally an indication of failure. In KCA's sequential compacted agglomeration tests, a slump of over 15% is generally an indication of failure. One item also examined is the consistency of results with regard to slump. For instance, if things worked perfectly, a lower slump with higher cement levels could be expected.

2. **Solution Flow** - A typical heap leach solution application rate of 10 to 12 liters per hour per square meter is utilized when examining the agglomeration data. When examining

results from this type of agglomeration test a measured flow of ten times (10X) the heap design rate is considered a “pass”. A measured flow less than 10X the heap design flow is not necessarily a failure. If there are enough tests with enough consistency between tests, and all other points indicate a “pass,” and then sometimes a test will pass with less than the 10X flow. However, a test will not likely pass at 1X and probably not at 5X.

3. **Pellet Breakdown** - In examining the Pellet Breakdown, about 15% is marginally acceptable and anything higher is a failure. In general, a higher range is allowable in Pellet Breakdown as this is a subjective value based on the visual observation of the pellets after the test by the technicians performing the test. When the samples tested are not agglomerated using cement, this test is not applicable.

4. **Solution Color and Clarity** - Solution color and clarity typically are an indicator of agglomerate failure and fines migration. This information is utilized in coordination with both slump as well as Pellet Breakdown to determine if the test passes.

Based on KCA’s general criteria, only the samples agglomerated with 12 and 16 kg/tonne cement passed.

Because of the high cement requirement, additional compacted permeability tests were completed in the KCA BCRK_03 program which considered material at a coarser crush size (~80% passing 19 mm) as well as blending the heap residue with fresh rock material. For this work, fresh rock material left over from test work completed by SGS Canada in 2018 from the Kokanee, Lucky and Lower Fosters pits were delivered to KCA and was then blended with heap residue and agglomerated at varying cement levels. The composition of each of the blends used for the BCRK_03 tests are presented in Table 13-21.

Table 13-21
Compacted Permeability Blend Composition – KCA BCRK_03

KCA Sample No.	Lucky 18-15 (87932 A)	Kokanee 18-3 (87933 A)	Lower Fosters 18-2 (87934 A)	Heap Tails (87936 A)	Total	
87937 A	10.0	10	5	25	50.0	kg
	20%	20%	10%	50%	100%	%
87939 A	10.0	10	5	25	50.0	kg
	20%	20%	10%	50%	100%	%
87939 B	10.0	10	5	25	50.0	kg
	20%	20%	10%	50%	100%	%
87939 C	10.0	30	10	0	50.0	kg
	20%	60%	20%	0%	100%	%
87939 D	10.0	30	10	0	50.0	kg
	20%	60%	20%	0%	100%	%
87936 A	0.0	0	0	50	50.0	kg
	0%	0%	0%	100%	100%	%

Based on KCA's general criteria, both tests performed on fresh material agglomerated with 0 and 4 kg of cement per tonne material passed indicating the fresh rock does not require cement agglomeration. Tests consisting of a 50/50 blend of fresh rock and heap residue passed at 4 and 6 kg cement per tonne material and failed a 2 kg cement per tonne. One test was performed on the heap residue without any fresh rock blending. The test was agglomerated at 6 kg cement per tonne of material and failed.

The tests indicate that the cement requirements may be significantly reduced by blending the heap residue with fresh rock material. Lime may need to be added in addition to cement for blended material to maintain the pH alkalinity and should be further investigated.

Further confirmatory compacted permeability tests on fresh material only from the Lower Fosters, Kokanee, Golden and Lucky pits were conducted in the KCA BCRK_05 program. Results indicate that cement agglomeration is not required for any of the pits for heap heights up to 60 m.

13.6 MLI Heap Leach Cyanidation Testing (2021)

Results from the 2021 MLI program summarized herein are extracted from the MLI report titled "Report on Heap Leach Cyanidation Testing – Brewery Creek Drill Core Composites, MLI Job No. 4599 dated October 6, 2021" (MLI, 2021).

Metallurgical testing was conducted on five drill core composite samples from Brewery Creek to determine amenability to heap leach cyanidation. Composites were generated from each of four mineralized zones (Golden, Kokanee, Lower Fosters, and Lucky). These composites ranged in grade from 0.95 to 1.43 gAu/mt and from 0.8 to 6.4 gAg/mt. An additional composite was generated from high-grade material from the Lower Fosters zone. This composite had average grades of 4.65 gAu/mt and 7.6 gAg/mt.

Each composite had relatively high cyanide soluble gold content based on pulverized shake-tests (72.7% to 99.9%) and relatively low sulfide sulfur content (0.45% or less). None of the composites were significantly preg-robbing.

Each composite was subjected to bottle roll testing and column testing at P_{80} 19mm feed size. The Kokanee and Lower fosters 19mm column tests were conducted in duplicate, and also were tested at a P_{80} 9.5mm feed size. Detailed composite information can be found within the above mentioned MLI report 4599. Summary results are presented in Table 13-22.

Table 13-22
Summary Results MLI 4599

Composite	Test Type*	Test No.	Feed Size	Leach Days	Au Rec. %	gAu/mt ore Extracted	Tail	Calc'd. Head	Avg. Head	Ag Rec. %	Solution Applied mt/mt ore	Reagents kg/mt ore NaCN	Lime
Golden	CLT	CL-1	80%-19mm	78	75.6	0.68	0.22	0.90	0.95	80.0	3.3	0.41	1.4
Golden	BRT	AL-3	80%-19mm	10	77.9	0.95	0.27	1.22	0.95	62.5	NA	0.26	1.4
Kokanee	CLT	CL-2	80%-19mm	107	75.6	0.99	0.32	1.31	1.32	76.9	3.7	0.56	1.5
Kokanee	CLT	CL-3	80%-19mm	106	72.2	0.91	0.35	1.26	1.32	76.9	3.7	0.57	1.5
Kokanee	CLT	CL-4	80%-9.5mm	108	75.4	0.89	0.29	1.18	1.32	83.3	4.0	0.69	1.5
Kokanee	BRT	AL-4	80%-19mm	10	61.0	1.05	0.67	1.72	1.32	62.5	NA	0.20	1.5
Lower Fosters	CLT	CL-5	80%-19mm	78	89.1	1.31	0.16	1.47	1.43	20.7	3.4	0.43	1.8
Lower Fosters	CLT	CL-6	80%-19mm	79	87.8	1.30	0.18	1.48	1.43	23.2	3.5	0.41	1.8
Lower Fosters	CLT	CL-7	80%-9.5mm	83	87.8	1.22	1.22	1.39	1.43	32.7	3.8	0.63	4.6**
Lower Fosters	BRT	AL-1	80%-19mm	10	85.3	1.33	0.23	1.56	1.43	40.0	NA	0.52	1.8
Lucky	CLT	CL-8	80%-19mm	107	66.7	0.86	0.43	1.29	1.31	63.6	3.7	0.63	1.6
Lucky	BRT	AL-2	80%-19mm	10	59.6	0.96	0.65	1.61	1.31	42.9	NA	0.33	1.6
LF High Grade	CLT	CL-9	80%-19mm	83	98.3	4.64	0.08	4.72	4.65	32.7	3.7	0.59	1.6
LF High Grade	BRT	AL-5	80%-19mm	10	94.7	3.92	0.22	4.14	4.65	31.70	NA	0.39	1.6

*CLT denotes column leach test, BRT denotes bottle roll test

**Includes 1.8 kg/mt initially added plus 2.8 kg/mt added to barren solution

Recovery kinetics graphs are presented in Figures 13-8 and 13-9 for gold and silver respectively.

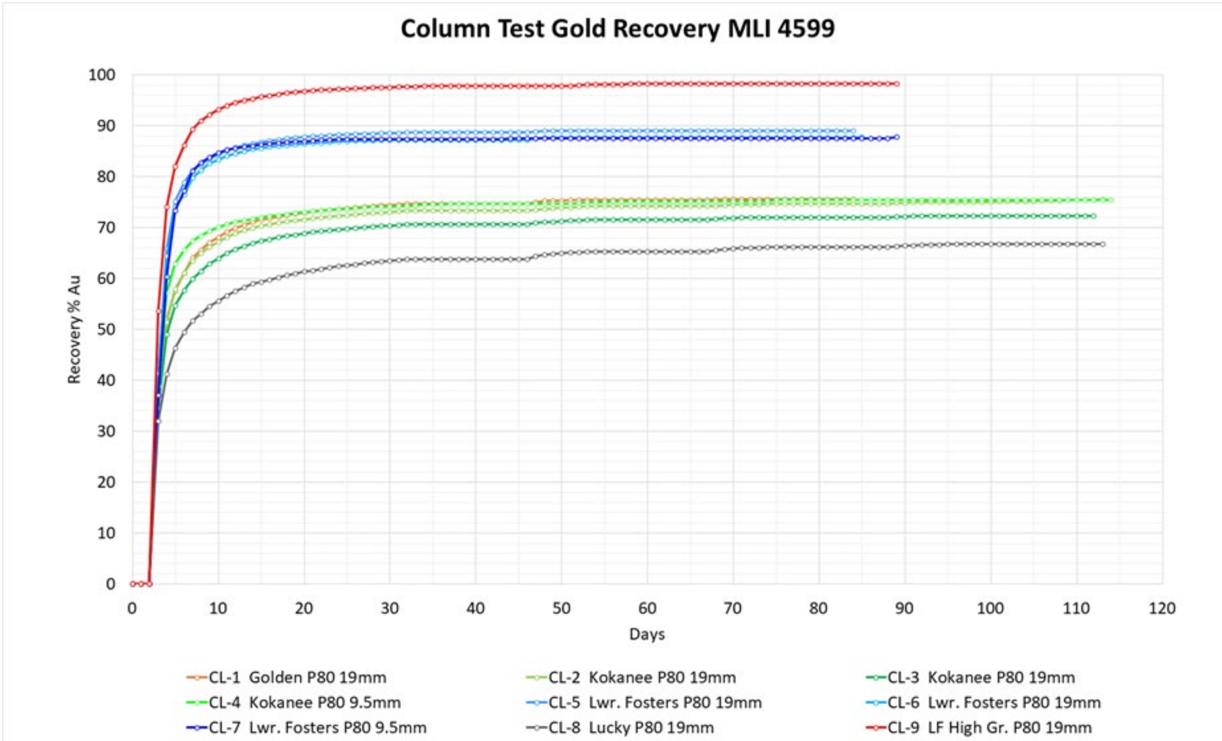


Figure 13-8 Column Au Recovery Kinetics

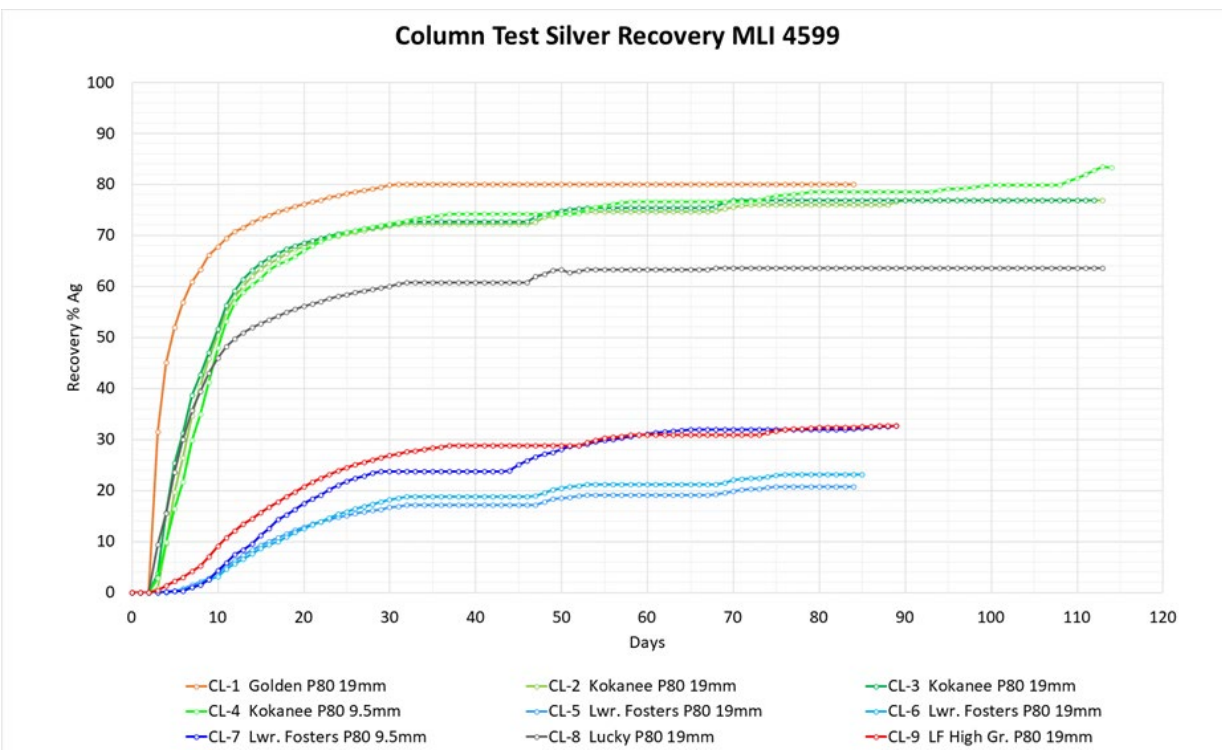


Figure 13-9 Column Ag Recovery Kinetics

As can be seen, with all the composites, gold leaches very quickly and the high-grade material achieved a very high (98.3%) gold recovery. Gold and silver recovery is substantially complete within 30 days in the column tests. Gold recoveries for the Lower Fosters and Kokanee composites were not sensitive to the finer (9.5 mm) crush size over the 19 mm crush size, although the finer crush did improve silver recovery of the Lower Fosters composite.

The physical characteristics of each column test charge is presented in Table 13-23 below.

Table 13-23
Physical Characteristics MLI 4599

				Moisture Wt. %			Bulk Density mt/m^3	
Sample	Test Number	Feed Size	Charge Wt., kg	As Received	To Saturate*	Retained	Initial	Final
Golden	CL-1	P_{80} 19 mm	71.73	1.0	7.6	4.9	1.57	1.58
Kokanee (A)	CL-2	P_{80} 19 mm	71.7	1.3	8.1	5.5	1.67	1.67
Kokanee (B)	CL-3	P_{80} 19 mm	71.04	1.3	8.0	5.4	1.65	1.65
Kokanee	CL-4	P_{80} 9.5 mm	33.2	0.9	9.1	6.2	1.66	1.66
Lower Fosters (A)	CL-5	P_{80} 19 mm	70.46	2.7	9.0	5.7	1.56	1.57
Lower Fosters (B)	CL-6	P_{80} 19 mm	70.17	2.3	9.4	6.0	1.56	1.56
Lower Fosters	CL-7	P_{80} 9.5 mm	32.79	2.2	11.1	6.9	1.53	1.54
Lucky	CL-8	P_{80} 19 mm	71.21	1.5	6.9	4.5	1.58	1.59
High Grade	CL-9	P_{80} 19 mm	32.73	2.6	10.2	7.0	1.52	1.52

*Calculated on a dry ore weight basis

Although the sulfide sulfur was relatively low (0.45% or less) in all of the composites, a number of individual core intervals within the composites contained sulfide sulfur in the 1-2% range with one interval as high as 2.68%. ICP analysis was conducted on all head samples, and mercury ranged from 2.93 to 4.85 mg/kg. Arsenic was particularly high for the high-grade Lower Fosters sample at 4,310 mg/kg, and all the others ranged from 1,560 to 2,110 mg/kg.

13.7 Conclusions from Metallurgical Test Work

Based on the metallurgical tests completed on the Project, key design parameters include:

- Crush size 100% passing 25 mm (80% passing 19 mm).
- Estimated LOM gold recovery of 75% (varies by pit, includes 2% field deduction).
- Design leach cycle of 85 days.
- Cement agglomeration not required
- Overall average cyanide consumption of 0.27 kg/t (varies by pit).
- Overall average lime consumption of 2.44 kg/t (varies by pit).

The Brewery Creek Heap Leach Project shows respectable gold recovery with crushing with low to moderate reagent requirements. The column leach tests consistently show improved recoveries compared to the bottle roll and cyanide shake tests on the same material which has been attributed to some preg robbing effect and slow leaching material. Column leach test results indicate minor recovery improvements with finer crushing.

Known preg robbing material has been identified at Brewery Creek and presents a moderate risk to the overall project. Data available suggests that most of the preg robbing material is largely associated with sedimentary rocks and can be identified visually as well as based on the cyanide soluble gold content.

13.7.1 Crush Size and Recovery

The column leach recovery by crush size was analyzed for each pit. In general, most pits show only slight relationship between crush size and recovery for gold with higher recoveries achievable at finer crushing. Recovery improvements at crush sizes finer than 19 mm show negligible recovery improvements. Based on the data available, KCA recommends crushing to 80% passing 19 mm. Estimated recoveries for gold by pit for the Brewery Creek Project are presented in Table 13-22.

Table 13-22
Gold Recoveries by Pit

Deposit	Recovery, %Au
Kokanee	65
Lucky	58
Golden	75
West Big Rocks	87
East Big Rocks	81
Lower Fosters	82
Bohemian	82
Schooner	76

13.7.2 Leach Cycle

The leach cycle for Brewery Creek has been estimated based on the column test work completed by evaluating the leach curves for gold. The leach cycle considers tonnes of solution per tonne of material as well as total time required to reach the ultimate recovery in the column leach tests. Based on this data the leach cycle has been estimated at 85 days. The leach curves show that continued leaching and recovery may be achieved with longer leaching; however, leaching is nearly complete after completion of the calculated leach cycle. Additional values may be recovered from secondary leaching resulting from upper lifts.

13.7.3 Reagents

13.7.3.1 Cyanide

Cyanide consumption is estimated to average 0.27 kg/tonne and varies by pit. Estimated cyanide consumption by pit is presented in Table 13-23. Based on KCA's experience, field cyanide consumptions are typically 25% to 50% of the observed lab.

Table 13-23
Cyanide Consumption by Pit

Deposit	NaCN Consumption, kg/t
Kokanee	0.23
Lucky	0.23
Golden	0.21
West Big Rocks	0.30
East Big Rocks	0.35
Lower Fosters	0.21
Bohemian	0.26
Schooner	0.40

13.7.3.2 Lime

Pebble lime (CaO) is required for pH control in the heap and is estimated to average 2.44 kg/tonne of material processed. Lime consumption by pit is presented in Table 13-24.

Table 13-24
Lime Consumption by Pit

Deposit	CaO Consumption, kg/t
Kokanee	0.23
Lucky	0.23
Golden	0.21
West Big Rocks	0.30
East Big Rocks	0.35
Lower Fosters	0.21
Bohemian	0.26
Schooner	0.40

14.0 MINERAL RESOURCE ESTIMATES

A total of ten resource models were developed in preparation of Mineral Resource estimate presented in this report. The ten resource models cover eleven named deposit areas within the Brewery Creek Project. Naming conventions for the deposits have been modified since the 2019 Technical Report, some deposits were combined and others added, the changes are summarized in Table 14-1.

Donald Hulse, P.E. of Gustavson Associates is the Qualified Person responsible for the preparation and presentation of the mineral resource estimate in this Technical Report.

Table 14-1
Naming Convention

Current Deposit Naming Convention	Current Resource Model	Historic Naming Convention
The Keg	CFKGL	Canadian
		Upper Fosters
		Lower Fosters
		Kokanee
		Golden
Lucky		Lucky
Bohemian-Schooner	BohSch	Bohemian
		Schooner
Classic	Classic	Classic
Big Rock	Rock	East Big Rock
		West Big Rock
Moosehead	Moose	Moosehead
Northslope	Nslope	Northslope
Pacific-Blue	PacBlu	Pacific
		Blue
Sleeman	Slee	Sleeman
Camp	Camp	Camp
Lone Star	LoneStar	Lone Star

Figure 1-1 shows the location of the deposit areas.

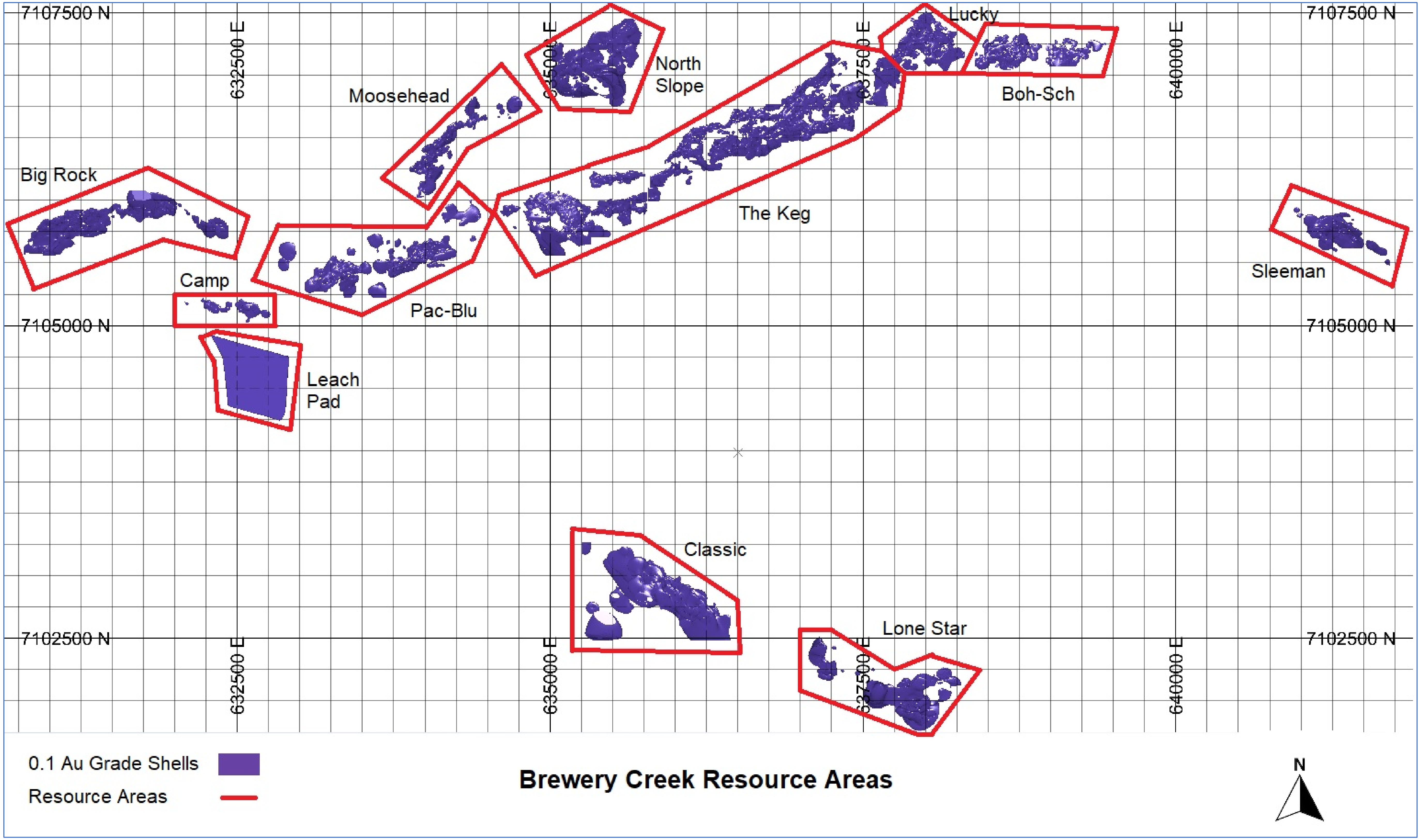


Figure 14-1 Location of All Resource Area Block Models in Red Polygons

14.1 Drill Data Base

The Brewery Creek Project has been well drilled by several companies, with a total of approximately 5,491 unique drill holes and approximately 424,000 meters of drilling, exclusive of blastholes and trenching. The drillhole database contains 3,333 drillholes with assay values that fall within the model areas as well as ongoing exploration areas. The full database can be found in Appendix B.

Thirty two reverse circulation holes were drilled in 2020 to investigate extensions of Classic and Lone Star and connections in the Golden-Lucky area. The Golden lucks holes returned only low-grade mineralization which will not contribute to mineral resources, and due to the wide spacing of the step out holes and current estimation parameters, this drilling cannot be incorporated into the mineral resource estimate. It remains an indicator of potential expansion areas in the future.

14.1.1 Deposit Geology Pertinent to Resource Estimation

The Brewery Creek Project deposits exhibit characteristics of both epithermal type and intrusive-related gold deposits. Gold mineralization consists of fracture-controlled quartz stockwork in both siliciclastic and intrusive rocks along an east-northeast striking, moderately south dipping structural trend (BCRT). Altered intrusive rocks are typically the preferred host for gold mineralization, however gold mineralization at the Pacific deposit exhibits a strong preference for a siltstone host, and in other deposits into adjacent intrusives.

Gustavson used the lithology and alteration coding from the database and mapped the codes into the groups, sediments, fresh intrusives, and altered intrusives. A statistical analysis was performed by group and by area to identify the probable hosts units. 3-dimensional solids were developed based on a grade shell at 0.1 g/t Au. Comparison of these shells with the lithology shows a good correspondence to the intrusive/alteration data or the intrusive/sedimentary data in the corresponding mineral resource areas while limiting low grade areas with sparse drilling from the estimate.

Comparative cumulative frequency plots are shown for Pacific where there are few mineralized intrusives, Bohemian and Canadian where sediments are much lower grade, and Kokanee where altered intrusives are more mineralized than other units.

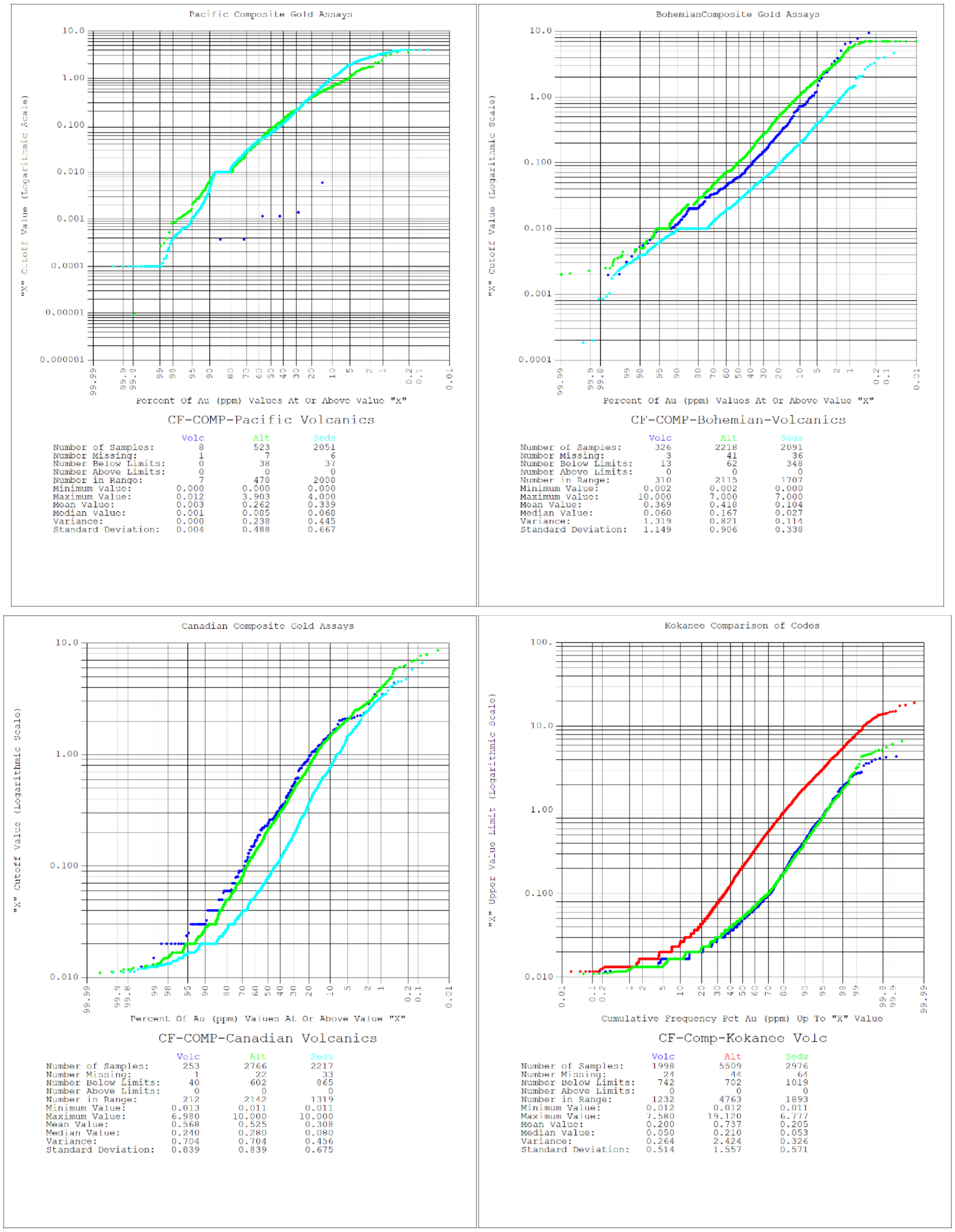


Figure 14-2 Selected Cumulative Frequency Plots

Viceroy mined but only partially backfilled and reclaimed shallow pits within the Kokanee, Golden, Pacific, Blue, and Lucky resource model areas. An ultimate pit surface inherited by GPY from Viceroy was used in conjunction with a comprehensive blast drill database to construct a mined surface. LiDAR data points, acquired in 2011 and 2012 by GPY, were used to generate a current topographic surface. A 1996 pre-mined topo was used for all resource areas that have not been mined. All blocks within the model were coded with a percent (below) topo value. Blocks residing below the topographic surface but above the mined surface were coded as backfill material, making them ineligible for gold grade estimation.

Gold estimation was conducted using ordinary Kriging (OK), inverse distance (ID), and nearest neighbor methods for comparison. These estimates were compared to historical pit-by-pit production records and the estimation parameters were adjusted to align the estimates with prior production. The OK estimate has been presented here. It is expected that the OK estimate will be most effective in handling the dense and clustered drill data.

14.1.2 Data Used for Estimation

Gustavson created a 3D block model of the mineral resource in each of the 18 deposit areas based on the validated data base available as of the effective date. The database includes all drilling available as of the effective date, including drilling from the 2018-2019 drill programs.

14.1.3 Bulk Density

The bank or in-situ density for all estimated resource blocks (except those tagged as fill material) are assigned a density of 2.57 t/m3. Material classified as fill material is assigned a density of 1.7 t/m3. All un-estimated blocks are also assigned a density of 2.57 t/m3. Fill material is designated as material existing between the deepest known excavation limits from historic production data and current topography.

14.1.4 Methodology

Gustavson constructed a 3D block model for each resource area in MicroModel® modeling software. The overall lithology was condensed into two main groups; intrusives and sediments. Variography supported grade continuity within the intrusives and within the sediments in the larger resource areas.

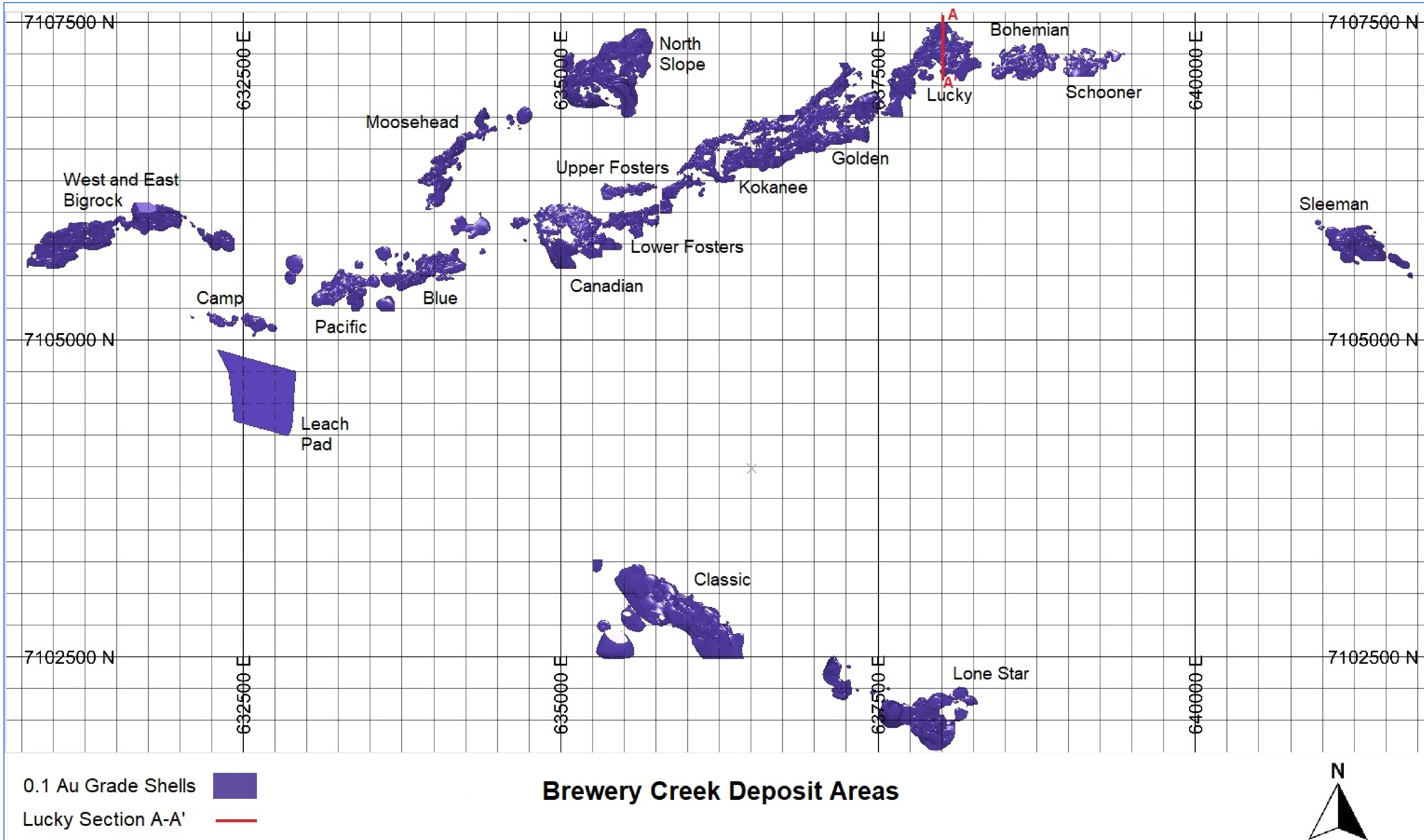


Figure 14-3 Map of Estimated Gold Grade Shells, Lucky Section

Probabilistic 0.1 gpt Au grade shells were generated at each resource area that were controlled by distinct structural trends (Figure 14-4). Trend surfaces were created at each deposit which were used to control the structural orientation of the Au-mineralization and generate the solids. This allowed a shell that constrains more to the areas of Au-mineralization (Figure 14-5) while being well below the expected economic cut-off grade which average 0.475 g/t. Sixteen resources areas were broken down into these domains to accommodate local anisotropy during estimation.

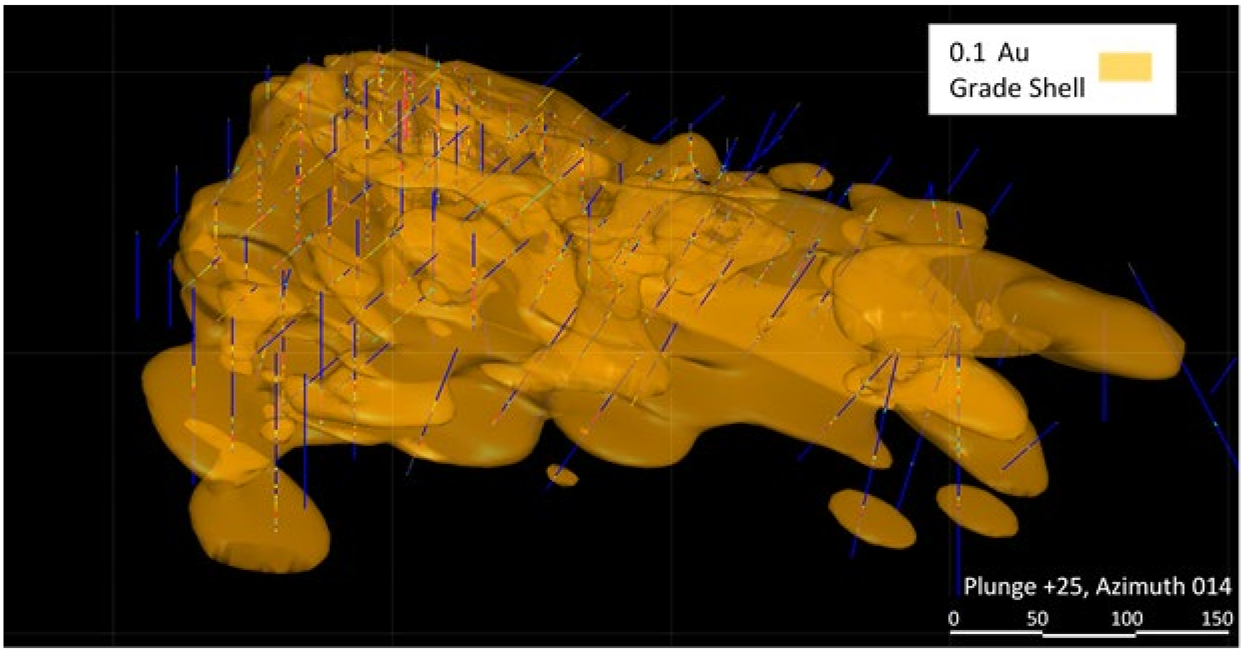


Figure 14-4 Lucky Au 0.1 Grade Shell with Assay Drill Data

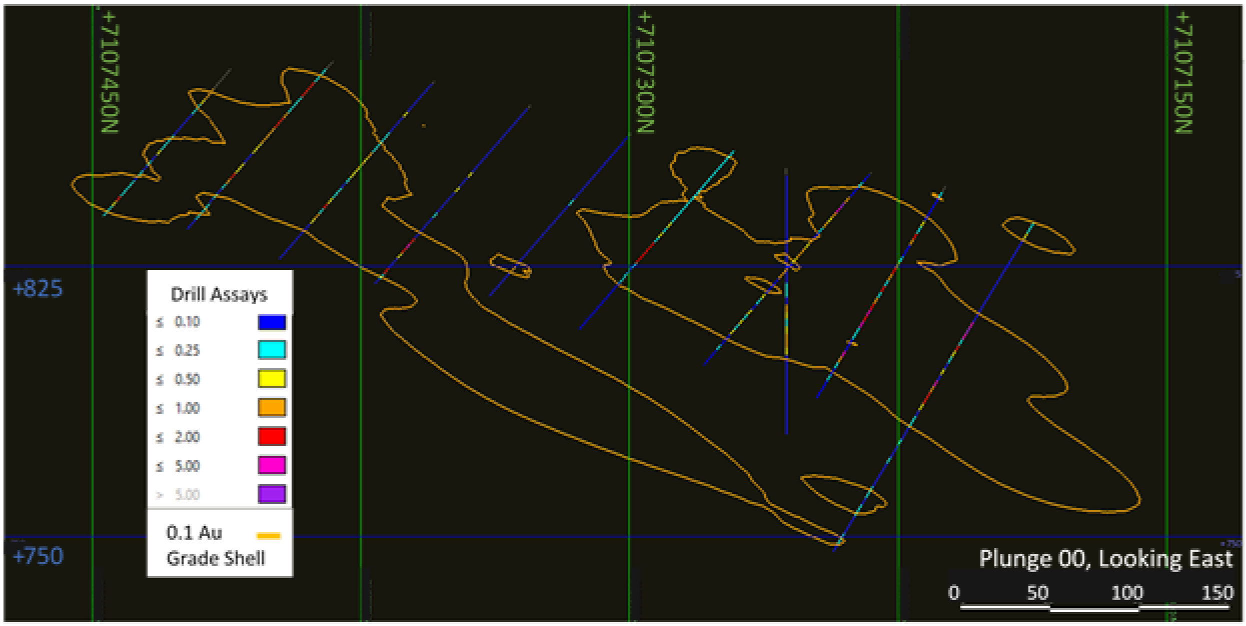


Figure 14-5 Example Section A-A' of Lucky Looking East Showing Grade Shell (Orange) Constrained to Higher Au Mineralization in Assay Drill Data

All block models used blocks that are 5 meters along strike, 5 meters normal to the structure, and 3 meters high. Each of the blocks was assigned attributes of gold grade, rock density, structural domain, and majority rock type. Block model parameters are shown in Table 14-2.

Table 14-2
Block Model Parameters

	X	Y	Z
CFKGL			
Min	634500	7105500	500
Max	638400	7107600	1250
Range	3900	2100	750
Size	5	5	3
Number	780	420	250
Pacific and Blue			
Min	632700	7105000	500
Max	634600	7106100	1100
Range	1900	1100	600
Size	5	5	3
Number	380	220	200
Moosehead			
Min	633700	7105800	700
Max	634900	7106900	1100
Range	1200	1100	400
Size	5	5	3
Number	240	220	133
Sleeman			
Min	640800	7104700	500
Max	642400	7106500	1100
Range	1600	1800	600
Size	5	5	3
Number	320	360	200
Lone Star			
Min	637000	7101750	500
Max	638650	7102400	800
Range	1650	650	300
Size	5	5	3
Number	330	130	100

	X	Y	Z
Big Rocks			
Min	630500	7105400	500
Max	632600	7106300	1000
Range	2100	900	500
Size	5	5	3
Number	420	180	167
Bohemian and Schooner			
Min	638200	7106600	500
Max	640300	7107600	1000
Range	2100	1000	500
Size	5	5	3
Number	420	200	167
North Slope			
Min	634800	7106600	800
Max	635900	7107600	1250
Range	1100	1000	450
Size	5	5	3
Number	220	200	150
Classic			
Min	634800	7102000	500
Max	636800	7103700	1300
Range	2000	1700	800
Size	5	5	3
Number	400	340	270
Camp			
Min	631900	7105000	700
Max	632800	7105300	904
Range	900	300	204
Size	5	5	3
Number	180	60	68

14.1.5 Capping of Assays

An assessment of high-grade Au outliers within the raw sample population was conducted for each resource area using descriptive statistics, histograms, cumulative probability plots and decile-percentile worksheets. Cap values were applied to outliers prior to compositing samples. Cap values are shown in Table 14-3.

Table 14-3
Gold Cap Values

Resource Area	Au Cap (g/t)	Number Capped
CFGKL	15	29
Big Rocks	6	5
PacBlu	10	24
BohSch	10	27
Moosehead	5	7
North Slope	6	12
Sleeman	10	1
Classic	4	1
Lone Star	5	1
Camp	3	4

14.1.6 Compositing Study

A compositing study was performed to analyze the dilution impact of compositing at different lengths. In 2019, the composites were calculated at 3m based on the three-meter block size for eventual mining in 6m benches. Most of the original drilling was sampled at 2m intervals and using sample lengths less that 2m only splits samples into parts with equal grades. Compositing to 3 meters or longer, results in a loss of resolution of the grade boundaries, especially between the sediments and intrusives. Therefore, a nominal 2m compositing is used, as described in the following section with resource models 3m in height.

14.1.6.1 Compositing

Drillholes were composited at nominal 2-meter down-hole intervals honoring lithologic contacts. Thus, composites are as close to 2 meters as possible, but always end at a lithologic contact. Partial intervals less than 2 meters length were merged with neighboring intervals. The 2-meter composite length was chosen to best model the interleaved low angle sediment and intrusive contacts. Composites were coded for 3D grade shells developed previously at 0.1ppm Au to limit. Statistics for the capped and composited samples are presented in Table 14-4.

Based on the compositing study and the statistical analysis of grades at the shorter composite length, it was determined that it was most appropriate to estimate intrusive and sedimentary rocks separately. The grades are somewhat higher in the intrusives and the two populations are cleaner to estimate. The complex nature of the intrusive and sedimentary rocks with multiple stacked contacts, made it impossible to develop a good 3-D shell model of the two lithologies. An indicator method was used to estimate the percent of sediments in any block with the balance labeled as intrusive. Other constituents are minimal.

Table 14-4
Composite Gold Assay Statistics (Gold Grades Reported in g/t)

Au Intrusives							
Resource Area	**Number Samples**	**Min**	**Max**	**Mean**	**Median**	**Var.**	**Std. Dev.**
CFGKL	13346	0.002	15	1.096	0.48	3.106	1.762
Big Rocks	1921	0.008	6	0.896	0.53	1.011	1.005
PacBlu	591	0.01	10	1.109	0.571	2.374	1.541
BohSch	2905	0.005	10	1.257	0.45	3.933	1.983
Moosehead	1241	0.01	5	0.802	0.59	0.589	0.767
Au Sediments							
Resource Area	**Number Samples**	**Min**	**Max**	**Mean**	**Median**	**Var.**	**Std. Dev.**
CFGKL	2904	0.002	15	0.533	0.21	0.952	0.976
Big Rocks	921	0.004	5.841	0.419	0.19	0.389	0.624
PacBlu	2524	0.01	10	0.978	0.362	2.539	1.593
BohSch	745	0.002	10	0.485	0.213	0.744	0.862
Moosehead	523	0.01	5	0.663	0.33	0.702	0.838
Au Intrusives and Sediments							
Resource Area	**Number Samples**	**Min**	**Max**	**Mean**	**Median**	**Var.**	**Std. Dev.**
North Slope	1644	0	6	0.717	0.344	1.043	1.021
Sleeman	1347	0.008	10	0.853	0.537	1.007	1.004
Classic	2605	0.006	4	0.314	0.202	0.126	0.355
Lone Star	632	0.006	5	0.398	0.229	0.293	0.541
Camp	196	0.038	3	0.533	0.331	0.31	0.557

14.1.7 Variography

Gustavson conducted a statistical analysis of assay data within each Resource Area. Variograms for deposits in the Keg resource area are presented in Appendix C. The summary of the modeled variogram parameters is shown in Table 14-5.

Table 14-5
Modeled Variogram Parameters

Resource Area	Model	C0	C1	L1	L2	L3	A1	A2	A3
Au Intrusives									
Resource Area	**Model**	**C0**	**C1**	**L1**	**L2**	**L3**	**A1**	**A2**	**A3**
Canadian	Exp	0.15	0.85	60	30	15	110	0	20
Upper Fosters	Sph	0.5	0.5	50	40	15	65	0	40
Lower Fosters	Sph	0.4	0.6	50	50	25	65	0	20
Kokanee	Exp	0.42	0.58	30	35	25	65	0	40
Golden	Sph	0.42	0.58	45	30	25	65	0	40
Lucky	Exp	0.5	0.5	35	20	20	80	0	25
West Big Rock	Sph	0.1	0.45	95	70	25	65	0	20
East Big Rock	Sph	0.24	0.38	60	45	25	65	0	20
Pacific	Exp	0.5	0.5	50	25	50	60	0	60
Blue	Sph	0.4	0.5	30	30	15	65	0	40
Bohemian	Exp	0.3	0.6	50	30	30	90	0	40
Schooner	Sph	0.5	0.6	40	30	20	90	0	50
Moosehead	Sph	0.45	0.55	60	40	30	45	0	40
Au Sediments									
Resource Area	**Model**	**C0**	**C1**	**L1**	**L2**	**L3**	**A1**	**A2**	**A3**
Canadian	Exp	0.15	0.85	40	40	8	110	0	10
Upper Fosters	Exp	0.28	0.72	45	30	15	65	0	20
Lower Fosters	Sph	0.3	0.7	65	55	25	65	0	20
Kokanee	Exp	0.25	0.75	45	35	25	65	0	40
Golden	Sph	0.26	0.74	45	30	25	65	0	40
Lucky	Sph	0.25	0.75	25	35	20	65	0	40
West Big Rock	Sph	0.4	0.6	50	50	20	110	0	40
East Big Rock	Exp	0.14	0.49	30	30	18	110	0	40
Pacific	Exp	0.5	0.5	50	25	50	60	0	60
Blue	Exp	0.4	0.55	30	30	20	65	0	40
Bohemian	Sph	0.3	0.5	35	40	15	90	0	40
Schooner	Exp	0.2	0.6	40	30	20	90	0	40
Moosehead	Sph	0.35	0.55	55	40	30	45	0	40
Au Intrusive and Sediments									
Resource Area	**Model**	**C0**	**C1**	**L1**	**L2**	**L3**	**A1**	**A2**	**A3**
North Slope	Exp	0.35	0.49	60	30	30	135	40	0
Sleeman	Exp	0.16	0.42	60	50	45	90	0	20
Classic	Exp	0.3	0.3	70	40	30	90	0	40
Lone Star	Exp	0.3	0.3	70	40	30	110	0	30
Camp	Sph	0.85	1.05	60	60	15	110	0	30

14.1.8 Estimation

Within each area, blocks were estimated using composites inside and outside of the 0.1 g/t grade shell. A single pass search was based on variogram range. Parameters are shown in Table 14-6.

Table 14-6
Search Parameters

Search (Au)	Elliptical
Minimum Composites	4
Maximum Composites	9
Max from one hole	3
Distance (Multiple of Variogram Range)	1.5x

14.1.8.1 Estimate Validation

Research through historical Viceroy production records has permitted the creation of an estimate of the grade and tonnage that was produced from each of the mined deposits. These records include pre- and post- mining topography and production tonnage with associated grade, this permitted comparison of the resource estimate with the previous production. Search parameters were tuned to best match the estimate of the produced material in each pit at the same cut-off grade (0.35ppm). The previously mined pits and corresponding tonnage and grade is shown in Table 14-7.

Table 14-7
Viceroy Mine Production

Pit	Tonnes Mined and Leached	Ave, G/T
Pacific	748,000	1.5
Blue	668,000	2.1
West Canadian	80,000	1.1
Canadian	1,511,000	1.5
Upper Fosters	495,000	1.1
Kokanee	2,665,000	1.6
Golden	2,942,000	1.4
Lucky	464,000	2.0
Moosehead	269,000	1.1
Total	9,843,000	1.5
Total in Combined Model	8,158,000	1.5

Due to potential for potentially creating merged pits, 5 deposits were initially estimated into a single block model. These were Canadian, Fosters, Kokanee, Golden, and Lucky. Since the CFKGL combined model contained over 80% of the produced tonnes, these five pits were chosen for tuning the estimation parameters.

14.2 Metallurgical Recovery Model

Between various operators and drilling campaigns, Gustavson has analyzed all available data on cyanide solubility and created a database by combining complementary values to best represent all deposits. The project has been drilled by seven companies since 1987 as shown Table 14-8, and a variety of chemical assays have been used.

Table 14-8
Historical Drilling

Noranda Exploration (Norex)	1987	1992
Hemlo Gold Mines, Inc. (Hemlo)	1992	1996
Viceroy	1996	2003
Spectrum	2003	2004
NovaGold	2004	2005
Alexco	2005	2012
Golden Predator	2012	2020

All drilling campaigns have analyzed gold by fire assay, commonly with an atomic absorption finish, however, historically, cyanide solubility was tested by four distinct analytical techniques.

- Cyanide dissolution of a 30g sample of ground material at ambient temperature
- Cyanide dissolution of a 30g sample of ground material at 60°C (Hot cyanide)
- Bottle Roll of a 200g sample crushed to <200 mesh
- Preg Rob testing, a two-part test.
- Cyanide dissolution of a 10g sample of ground material
- Cyanide dissolution of a 10g sample of ground material with a gold spike to determine if gold was pulled from the solution

Commonly these analyses were applied to distinct samples, although some part of the samples had multiple techniques applied. The methodology consisted of both numerical database analysis and 3-D spatial analysis of the values performed in three phases.

- Assembly of the database and the understanding of the relationship of the various analytical techniques where there were paired data with any two of the four analyses.

- Comparison of the entire populations of the samples with shared lithology and between analytical methods. A quantile/quantile plot.
- A spatial comparison to determine if the hot cyanide and bottle roll values could predict the cyanide gold value (the expected most appropriate analysis)

Initial analysis showed that cyanide assay and bottle roll compare well when they are paired samples. The gold recovery was analyzed in each lithology using histograms. Lithologies were combined based on similar behavior, resulting in a histogram of intrusives and altered intrusives shown in Figure 14-6.

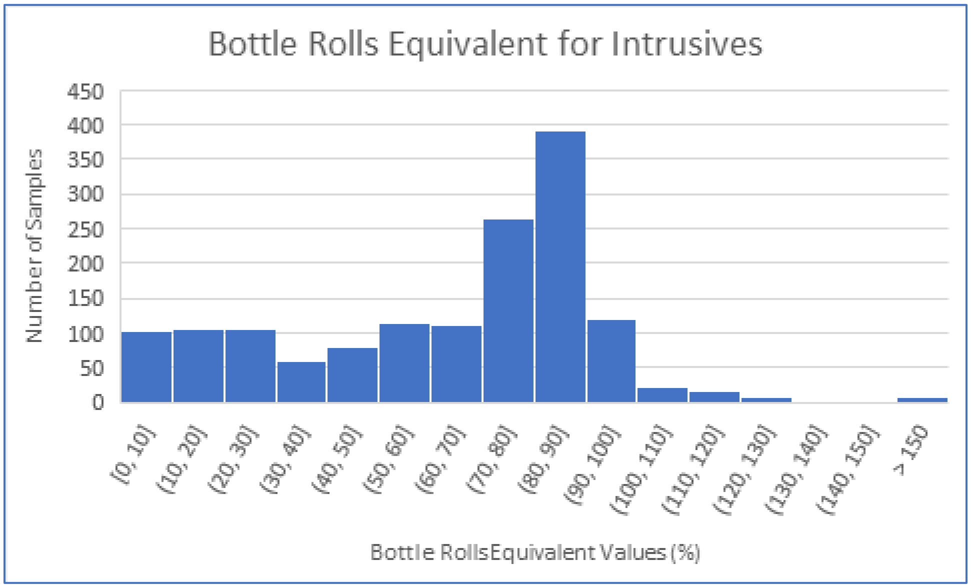


Figure 14-6 Recovery Histogram for All Intrusive Samples

The sedimentary samples are shown in Figure 14-7. Both populations are bimodal. There is a group of low recoveries and of higher recoveries with a small population between. Historically this was attributed to oxidation of the material, however analysis of the oxide/sulfide surface compared to the recoveries showed numerous high recoveries classified as sulfide.

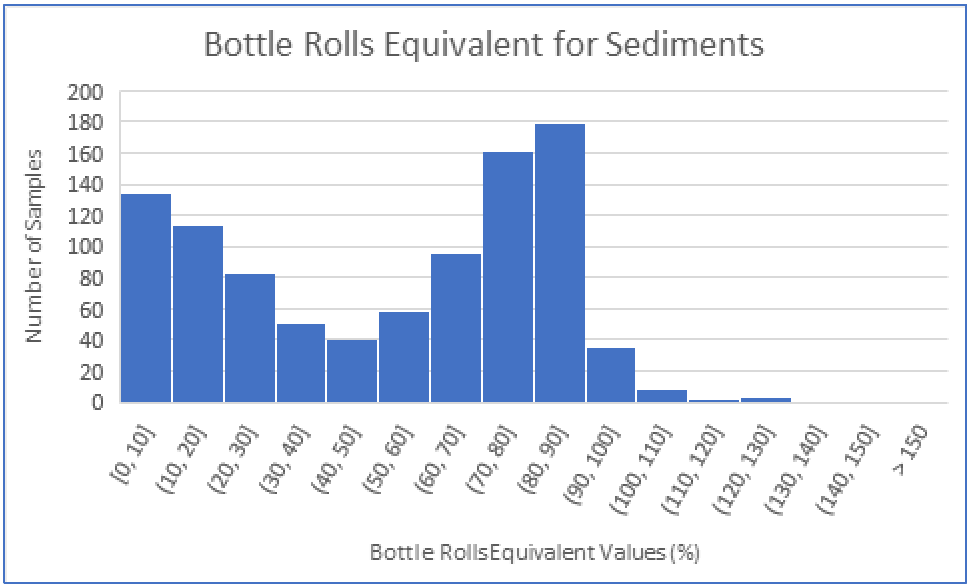


Figure 14-7 Cyanide Recovery Analysis for Sedimentary Rocks

The cyanide analysis from the preg rob testing was also reviewed. This is shown in Figure 14-8 with a nearly perfect correlation between 30g and 10g cyanide soluble assays.

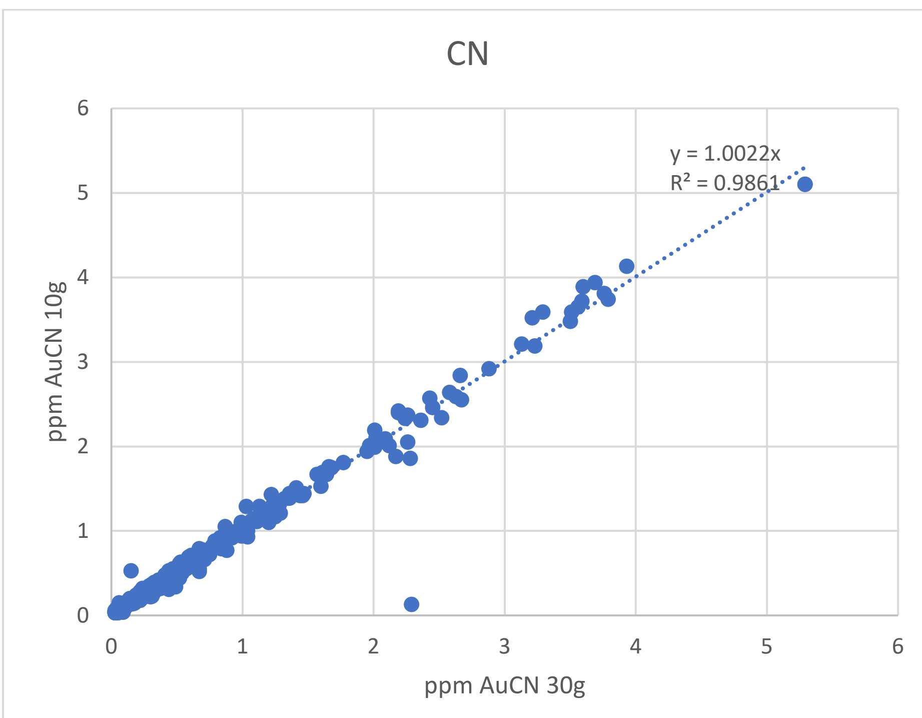


Figure 14-8 Regression of 30g and 10g Cyanide Analyses

The correlation of hot cyanide and ambient cyanide also has a relationship, although the 60° cyanide leach overestimates the expected recovery. The recovery was factored by 24% based on the correlation shown in Figure 14-9.

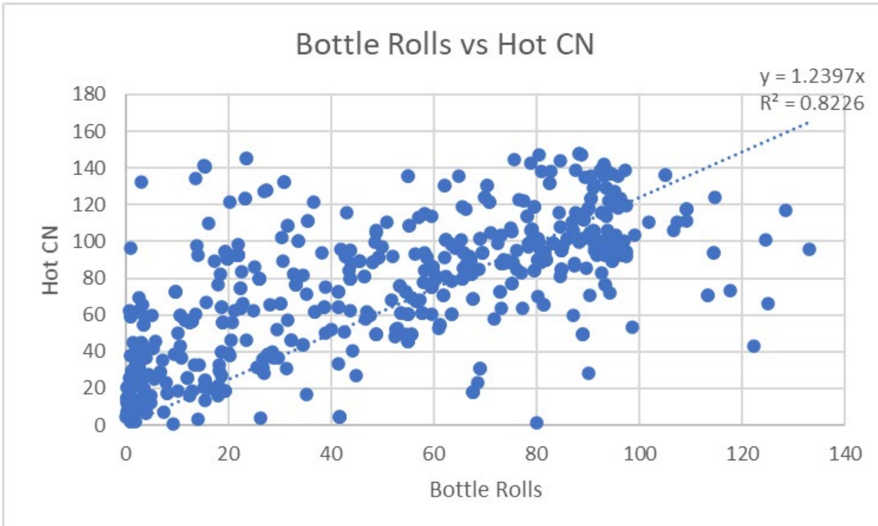


Figure 14-9 Regression of Hot Cyanide and Cyanide Assays

A quantile-quantile (Q-Q) comparison of bottle roll and cyanide assays is shown in Figure 14-10 and a similar comparison of hot cyanide with cyanide Au in Figure 14-11. There is a general correspondence between bottle roll and cyanide while the comparison of Hot CN and cyanide recovery shows a preponderance of lower recoveries with cyanide and higher recoveries with the Hot CN assay, leading to a potential high bias.

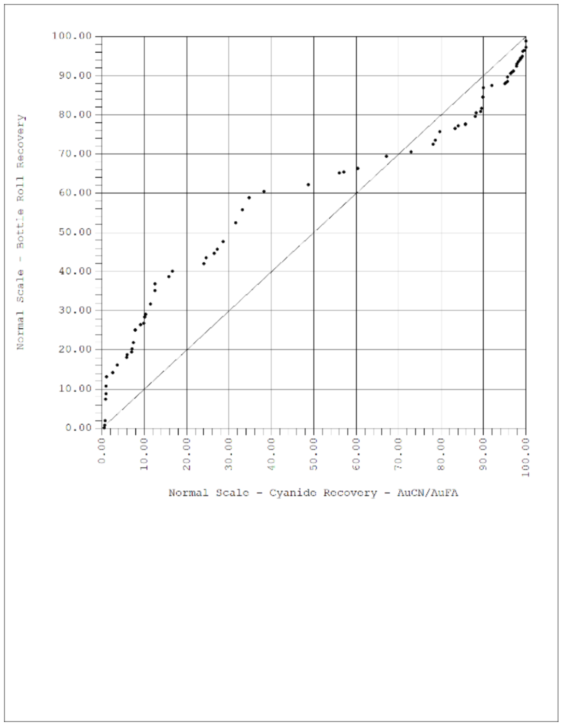


Figure 14-10 Q-Q Comparison of Bottle Roll and Cyanide Assays

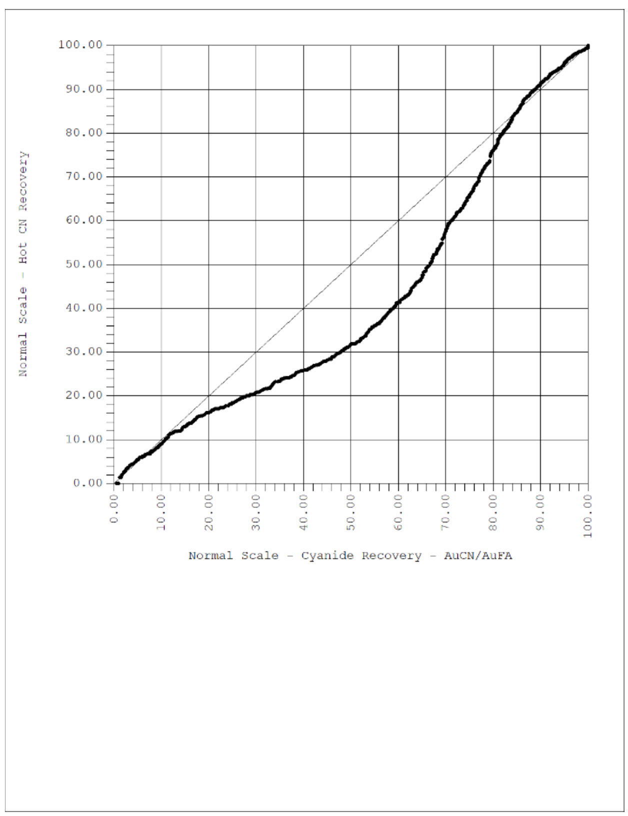


Figure 14-11 Q-Q Comparison of Hot CN and Cyanide Assays

As a final check, the factored Hot CN numbers were used to estimate the recovery in a measured location. The regression of estimated values with measured values is shown in Figure 14-12 provided a correlation coefficient of 0.6, a modest value, and review of the plot shows that the factored hot CN assays overestimate low recoveries more often than underestimating higher recoveries, creating the potential for a biased estimate and overestimation of the expected recoveries in the model.

Based on this analysis, the Hot CN assays were not used in estimation of the gold recovery.

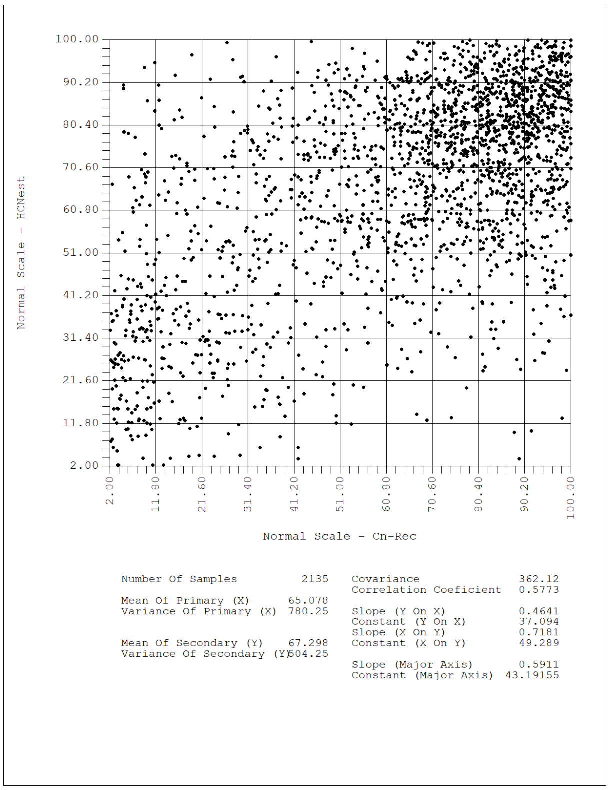


Figure 14-12 Regression of Point Estimates of Hot CN vs Cyanide Assays

Historically, recoveries have been in the range of 70%. The estimates used in previous models are shown in Table 14-9. These are fully supported in both the cyanide recoveries in the composite database and in the estimated average recoveries in the estimated recovery model for material mined historically.

Table 14-9
Historical Gold Recoveries by Deposit

Deposit	Au Recovery
East Big Rock	77%
West Big Rock	83%
Bohemian	77%
Schooner	74%
Fosters	72.5%
Kokanee Gold	70%
Pacific Blue	70%
Lucky	70%

Values of cyanide recoveries in historically mined and unmined composites are shown in Table 14-10. This goes from an historical recovery of approximately 70% to an expected future recovery of about 40%.

Table 14-10
Recoveries Based on Cyanide Assays

	Recovery in Composites	
	Mined	Remaining
Canadian	73.3	29.9
Fosters	62.8	43.1
Kokanee	74.9	47.9
Golden	69.3	38.3
Lucky	66.2	36.7
Average	69.6	39.7

In ongoing column tests of the existing leach pads, column recoveries exceed the bottle roll recoveries for the same material. Gustavson recommends that column testing be performed on fresh rock to determine if this relationship holds. This has the potential to increase the material which could be economically leached.

14.3 Mineral Resource Classification

Classification is a grouping of mineral resources into Measured, Indicated and Inferred classes. Many techniques have been used including distance to nearest sample, number of samples and conditional simulation of grade probabilities. In the 2014 estimate resources were classified as indicated if the closest sample was within 15m of the estimated block. All other estimated oxide blocks were classified as Inferred. The proportional classification is appropriate, although a map of the classified blocks shows disconnected clusters of Measured and Indicated Resources, known as “a spotted dog”.

Gustavson has chosen to use a technique to represent the average spacing of drill holes around the block based on declustering weights. Kriging and polygonal estimation are natural declusterers. This signifies that where there is increased data density, each sample contributes less to the knowledge of the estimated grade. The weights are estimated by overlaying a 3-D rectangular grid on the data the size of the variogram range. The weight is estimated based on the number of samples found within each cell,14-22ecreaseng proportionately to the number of samples. These weights are assigned to the composites used for the estimate, and then are themselves estimated. A threshold value can be selected representing the drill spacing judged by the QP to meet the classification criteria, permitting classification on the average drill spacing rather than the distance to the closest drill hole as previously used.

Using statistical analysis of the estimated weights and visual inspection of the drill density against the estimated weights. In the regularly drilled core of each deposit where grades were consistent between holes was chosen as 0.65 was selected as the threshold value for Measured Mineral Resources. As hole spacing increased a value of 1.3 was chosen for Indicated Mineral Resources. This allows a description of continuity much as one would contour drill hole spacing, removing the “spottiness” of the classification.

With the detailed domain analysis and separation of sediments and intrusives, the variography has improved considerably, with the result that the requirement to have a sample within 15 meters, was judged to be very conservative for the level of geological knowledge.

14.4 Mineral Resource Statement

Mineral Resources are estimated and stored within block models as estimated gold grades. The gold grades are recorded as in-situ, undiluted and on a dry tonnage basis. Most of the resource areas report Resources within a Lerchs-Grossmann optimization pit shell, except for Camp and Lone Star. All Resources on the property are reported at a minimum gold cut-off grade, this combined with constraining most resource areas to an optimization shell demonstrates a reasonable expectation of eventual economic extraction.

The pit shell that constrains the resource is based on a $2,000/oz gold price and the parameters shown in Table 14-11. Both Indicated and Inferred Resources are used in the pit shell optimization process. The cut-off grade used is based on a gold price of $1,500/oz and is an internal cut-off grade, Equation 3 shows the calculation of cut-off. The process cost used for the pit shell and cut-off grade includes project general and administrative expenses as well as an average haulage cost to transport process material to the leach pad. The mining and processing costs were taken from the 2019 Technical Report on Resources.

Table 14-11
Pit Parameters

Parameter	Value	Units
Gold Price	2,000	$/oz
Overall Recovery	70	%
Mining Cost	2.61	$/tonne
Process Cost	12.43	$/ore tonne
Overall Pit Slope	45	Degrees

Equation 1: Internal Gold Cut-off Calculation

$$Au\ Cutoff = \frac{Processing\ Cost}{Au\ Price * Au\ Recovery}$$

For all resource areas the cut-off grade used is 0.37 g/t Au. This cutoff grade corresponds to a gold price of $1,500/oz and processing cost of $12.43 per tonne and an overall recovery of 70% of the in-situ metal.

All mineral resource estimates are summarized in Table 14-12 . Gustavson knows of no environmental, permitting, legal, title, taxation, socio-economic, marketing, political, or other factors that could materially affect the mineral resource.

Mineral Resources are not Mineral Reserves and do not demonstrate economic viability. The quantity and grade of inferred resources reported herein are uncertain in nature and exploration completed to date is insufficient to define these Mineral Resources as indicated or measured. There is no certainty that all or any part of the mineral resource will be converted to mineral reserves. Mineral Resources are not Mineral Reserves and may be materially affected by environmental, permitting, legal, socio-economic, marketing, political, or other factors. Quantity and grade are estimates and are rounded to reflect the fact that the resource estimate is an approximation.

The effective date of this Mineral Resource statement is May 31, 2020.

Table 14-12
Mineral Resource Statement

Resource Area	Au Cutoff (g/t)	Measured Resources			Indicated Resources			Inferred Resources			M + I Resources		
		Tonnes (000's)	Au (g/t)	Au Ozs (000's)	Tonnes (000's)	Au (g/t)	Au Ozs (000's)	Tonnes (000's)	Au (g/t)	Au Ozs (000's)	Tonnes (000's)	Au (g/t)	Au Ozs (000's)
The Keg	0.37	5,300	0.99	169	8,350	0.98	262	6,490	0.95	198	13,700	0.98	431
Lucky	0.37	1,510	1.13	55	2,570	1.25	103	1,670	1.24	66	4,080	1.20	158
Bohemian-Schooner	0.37	2,980	1.29	124	1,450	1.25	58	880	1.18	33	4,430	1.28	182
Classic	0.37				800	0.52	14	2,200	0.52	37	800	0.54	14
Big Rock	0.37	3,470	0.94	105	3,330	0.92	98	3,040	0.85	83	6,800	0.93	203
Moosehead	0.37				1,200	0.91	35	3,400	0.72	79	1,200	0.91	35
Northslope	0.37				200	1.39	8	4,100	0.88	116	200	1.31	8
Pacific-Blue	0.37				1,400	1.22	55	4,600	0.83	122	1,400	1.23	55
Sleeman	0.37				1,900	0.97	58	6,600	0.86	182	1,900	0.94	58
Camp	0.37							800	0.67	17			
Lone Star	0.37							700	0.81	18			
Leach Pad	0.47							1,500	1.31	63			
Total		13,300	1.06	452	21,200	1.02	693	36,000	0.88	1,020	34,500	1.03	1,140

*Figures may not sum due to rounding

The Mineral Resource Statement shown in Table 14-12 can be divided into two categories, leachable and non-leachable resources. Leachable resources are materials that are amenable to cyanide leach processing and can recover gold economically. Leachable versus non-leachable resources are determined by using the estimated total gold grades and estimated recoveries in the resource model. A cutoff grade is developed using Equation 3. The cut-off shown in Table 14-13 and Table 14-14 is based on the average recovery of each deposit, however the cut-off was applied on positive economic results for each block. Material exceeding this cut-off grade is considered leachable material.

Leachable Mineral Resource is shown in Table 14-13 and the Non-Leachable Mineral Resource is shown in Table 14-14 . While the above tables use cyanide soluble gold for categorization the gold production, gold grades and cut-off grades are shown as in-situ for easy comparison. Adding the leachable Resource and non-leachable Resource yields the total estimated resources as shown in the Mineral Resource statement in Table 14-12.

There is an exception to the above categorization rules for the Sleeman, Camp and Lonestar deposits. There was not adequate distribution of metallurgical data to estimate recovery for Sleeman, and the percentage of leachable resource is estimated at an average 73% at this time.

Camp and Lonestar estimated the proportion of leachable resource based on the proportion of high recovery values in the data.

Table 14-13
Leachable Mineral Resource

Resource Area	Au Cutoff (g/t)	Measured Resources			Indicated Resources			Inferred Resources			M + I Resources		
		Tonnes (000's)	Au (g/t)	Au Ozs (000's)	Tonnes (000's)	Au (g/t)	Au Ozs (000's)	Tonnes (000's)	Au (g/t)	Au Ozs (000's)	Tonnes (000's)	Au (g/t)	Au Ozs (000's)
The Keg	0.52	3,230	1.14	119	4,160	1.13	151	3,020	1.05	102	7,393	1.14	270
Lucky	0.47	627	1.59	32	1,070	1.76	61	767	1.52	38	1,699	1.70	93
Bohemian-Schooner	0.42	2,500	1.35	108	1,310	1.31	55	618	1.45	29	3,808	1.33	29
Classic	0.31				800	0.52	14	2,200	0.51	37	800	0.54	14
Big Rock	0.42	2,950	0.99	94	1,630	0.94	49	1,030	0.80	26	4,583	0.97	143
Moosehead	0.49				1,200	0.91	35	600	0.83	16	1,200	0.91	35
Northslope	0.70				200	1.39	8	400	0.99	12	200	1.31	8
Pacific-Blue	0.56				1,400	1.22	55	700	0.93	22	1,400	1.23	55
Sleeman	0.52				1,900	0.97	58	4,300	0.84	117	1,900	0.94	58
Camp	0.53							600	0.67	12			
Lone Star	0.46							500	0.81	15			
Leach Pad	0.47							1,500	1.34	63			
Total		9,310	1.18	353	13,670	1.11	487	16,200	0.94	489	23,000	0.95	705

Table 14-14
Non-Leachable Resources

Resource Area	Au Cutoff (g/t)	Measured Resources			Indicated Resources			Inferred Resources			M + I Resources		
		Tonnes (000's)	Au (g/t)	Au Ozs (000's)	Tonnes (000's)	Au (g/t)	Au Ozs (000's)	Tonnes (000's)	Au (g/t)	Au Ozs (000's)	Tonnes (000's)	Au (g/t)	Au Ozs (000's)
The Keg	0.52	2,070	0.75	50	4,190	0.83	111	3,470	0.87	96	6,260	0.80	161
Lucky	0.47	883	0.80	23	1,500	0.88	42	903	0.99	29	2,390	0.85	65
Bohemian-Schooner	0.42	479	0.98	15	147	0.73	3	259	0.54	4	626	7.61	153
Classic	0.31												
Big Rock	0.42	521	0.62	10	1,700	0.90	49	2,010	0.87	56	2,220	0.83	59
Moosehead	0.49							2,800	0.71	63			
Northslope	0.70							3,700	0.87	104			
Pacific-Blue	0.56							3,900	0.80	100			
Sleeman	0.52							2,300	0.88	65			
Camp	0.53							200	0.67	5			
Lone Star	0.46							200	0.81	4			
Leach Pad	0.47							0	0.00	0			
Total		3,950	0.77	98	7,540	0.85	206	19,700	0.83	527	11,500	1.19	439

15.0 MINERAL RESERVE ESTIMATE

It is not the intent of this Technical Report to report mineral reserves for the Brewery Creek Project. At the Preliminary Economic Assessment level, mineral reserves are not required to be identified. Additional studies at the Pre-Feasibility or Feasibility Study level will be required to establish mineral reserves.

16.0 MINING METHODS

An open pit method is the most appropriate mining method for the estimated mineralized material, which is primarily oxide and shallow in nature. Deeper material that is potentially sulfide material could be considered in the future through alternate mining methods. The Vulcan pit optimizer was used to create Lerchs-Grossmann shells of the economic mineralized material to be utilized in the open pit mine designs. The designs are triple benched at a height of 6 meters, for a total height of 18 meters. The catch bench width is 8 meters.

16.1 Block Model

The Resource block models for this project were provided by Gustavson Associates. Three model areas were provided to Tetra Tech and included the KEG area, the Bohemia-Schooner area, and the Big Rock area. The models were provided to Tetra Tech in a Datamine format. The models are sub-blocked. Backfill was assigned a specific gravity of 1.7 t/m^3 and all other rock types were assigned a bulk density of 2.57 t/m^3. Gustavson estimated a recovery into the Resource block model based on available cyanide solubility data. The Resources calculated in the block model provided to Tetra Tech can be found below in Table 16-1 and Table 16-2 (Gustavson Associates, 2021).

Table 16-1
Brewery Creek Measured and Indicated Resources

Resource Area	Cut-off Grade	Tonne (kt)	Grade (g/t)	Ounces (kOz)
KEG	0.37	13,652	0.98	431
Lucky	0.37	4,084	1.20	158
Bohemia-Schooner	0.37	4,434	1.28	182
Big Rock East and West	0.37	6,802	0.93	203
Total Measured and Indicated	**0.37**	**28,973**	**1.05**	**974**

Columns may not total due to rounding

Table 16-2
Brewery Creek Inferred Resources

Resource Area	Cut-off Grade	Tonne (kt)	Grade (g/t)	Ounces (kOz)
KEG	0.37	6,485	0.95	198
Lucky	0.37	1,670	1.24	66
Bohemia-Schooner	0.37	877	1.18	33
Big Rock East and West	0.37	3,044	0.85	83
Total Inferred	**0.37**	**12,077**	**0.98**	**381**

Columns may not total due to rounding

Total Resources are tabulated at a 0.37 g/t cutoff grade in-situ Au. Resources are constrained by a Lerchs-Grossmann pit optimization shell. Key parameters include $2,000/oz Au price, $2.61/t mining cost, $12.43/t process cost, 70% in-situ Au metallurgical recovery.

As the Resource model did not include blocks outside of what was estimated, for mine design work the Resource block model was re-blocked to 10 x 10 x 6 m blocks and incorporated into a larger 10 x 10 x 6 m block model.

16.2 Geotechnical

Available historic geological, geotechnical, and Resource data was used to develop a site investigation program implemented from September through November 2020. Some of the core holes were dual purposed as part of a hydrogeological site investigation. Available historic geological, geotechnical, and Resource data were used to develop a site investigation program which included drilling, geotechnical logging, and sampling of nine (eight fully completed) oriented geotechnical boreholes to collect geotechnical parameters at the location of the proposed KEG pit.

16.2.1 Mine Design Criteria

Preliminary designs were carried out in Maptek Vulcan software. The designs use a bench face angle of 65 degrees, a catch bench width of 8 meters, and a bench height of 6 meters that is triple benched to a height of 18 meters.

16.2.2 Pit Optimization

The Resource block model was used to run pit optimization for the Project. The pit optimizer considers the economic parameters of each block before taxes based on the assumed inputs. If a block falls below the economic cutoff, then it is considered waste. If it falls above the economic cutoff, it is considered economic mineralized material.

16.2.3 Pit Optimizer Criteria

The Vulcan pit optimizer module was utilized for this project. For this PEA, Measured, Indicated, and Inferred Mineral Resources were considered, which is consistent with the Canadian Institute of Mining Standards on Mineral Resources and Mineral Reserves. Table 16-3 below shows the details of the pit optimizer setup parameters.

Table 16-3
Pit Optimization Parameters

Parameters	Value
Gold Price	$1,550/ troy oz Au
Metallurgical Recovery	76% for KEG 79% for Bohemia and Schooner 84% for Big Rock
Mining Cost	$2.51/t material mined
Process Cost	$8.38/t processed
General and Administrative Cost	$2.81/t processed
Sell Cost	$8.00/troy oz
Mining Dilution	5%
Mining Recovery	95%
Pit Slope	48 degrees

The Resource block model was utilized to determine the recoverable grade per block. Based on test work, blocks with a recoverable grade of less than 0.25 g/t were classified as waste blocks. A recovery per pit area was also applied, which was based on metallurgical test work and past production records.

The slope constraints were modified from the May 2021 Geotechnical Report produced by Tetra Tech. Initial optimizer runs utilized 48-degree walls and were then modified within the mine design process.

16.2.4 Pit Optimization Results

Pit optimization results for each area (Bohemia/Schooner, KEG, and Big Rock) are shown in Table 16-4.

Table 16-4
Brewery Creek Project Pit Optimization Results

Pit	Au $/oz	Mineralized Material (kt)	Waste Rock (kt)	Ounces (Contained) (kOz)	Grade (contained) (g/t)
Bohemia/Schooner	1,550	4,338	11,808	189	1.358
KEG	1,550	10,815	27,299	443	1.273
Big Rock	1,550	5,020	14,849	150	0.928
Total	**1,550**	**20,173**	**53,956**	**782**	**1.205**

Columns may not total due to rounding

After applying the modifying factors for the pit optimizer, approximately 43% of the mineralized material tonnes and 51% of the Au ounces from the Resource was included in the optimization shells. The pit optimizer does not include slope adjustments for ramps or other design factors; therefore, the quantity of potentially economic material in the pit designs will be lower than in the optimized shells.

16.3 Cutoff Grade

Cutoff grades were calculated for each pit area. A gold price, based on the 3-year-trailing average, of US$1,550 per troy ounce was used for the mine design. Table 16-5, Table 16-6, and Table 16-7 below show the cut-off grades per pit area.

Table 16-5
Cut-off Grade Calculations for KEG Pit Area

KEG		
Mining Cost	2.51	$/t
Process Cost	8.44	$/t
G&A	2.81	$/t
Recovery	67	%
Gold Price	1,550	$/oz
Cutoff	**0.41**	**g/t**

Table 16-6
Cut-off Grade Calculations for Bohemia and Schooner Pit Area

Bohemia-Schooner		
Mining Cost	2.51	$/t
Process Cost	8.44	$/t
G&A	2.81	$/t
Recovery	79	%
Gold Price	1,550	$/oz
Cutoff	**0.35**	**g/t**

Table 16-7
Cut-off Grade Calculations for Big Rock Pit Area

Big Rock East and West		
Mining Cost	2.51	$/t
Process Cost	8.44	$/t
G&A	2.81	$/t
Recovery	84	%
Gold Price	1,550	$/oz
Cutoff	**0.33**	**g/t**

Metallurgical recoveries were estimated from test work and previous production data and given a weighted average per pit area. The processing cost was estimated by KCA.

16.4 Pit Designs

The optimized pit shells and the re-blocked Resource block model were used as a basis for preliminary Life of Mine (LOM) open pit mine designs. Pit design work was completed using Vulcan software. Ramps were limited at 12% grade for in-pit haulage. In-pit haul roads were designed for single lane traffic, while two lane traffic was planned for haulage outside of the pits. Figure 16-1 through Figure 16-4 show the overview of the preliminary pit designs used for this PEA.

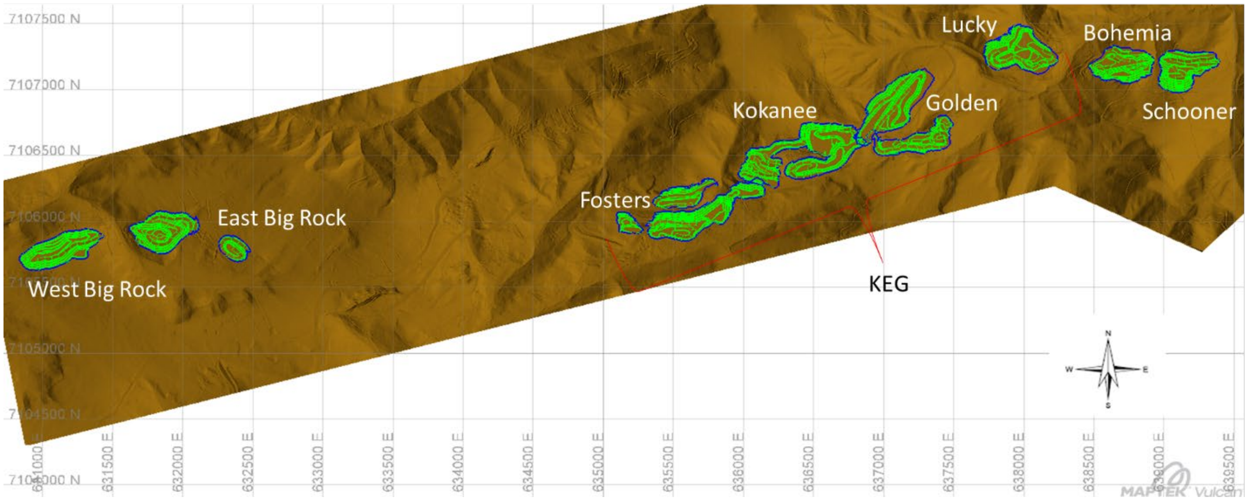


Figure 16-1 Brewery Creek Project Pit Designs

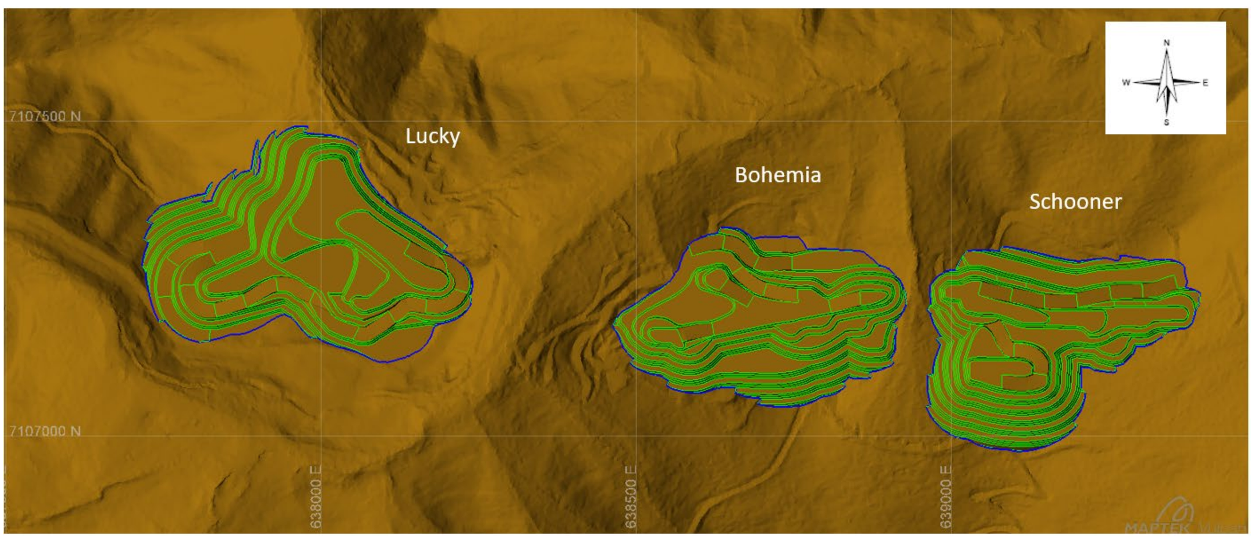


Figure 16-2 Bohemia, Schooner, and Lucky Pit Designs

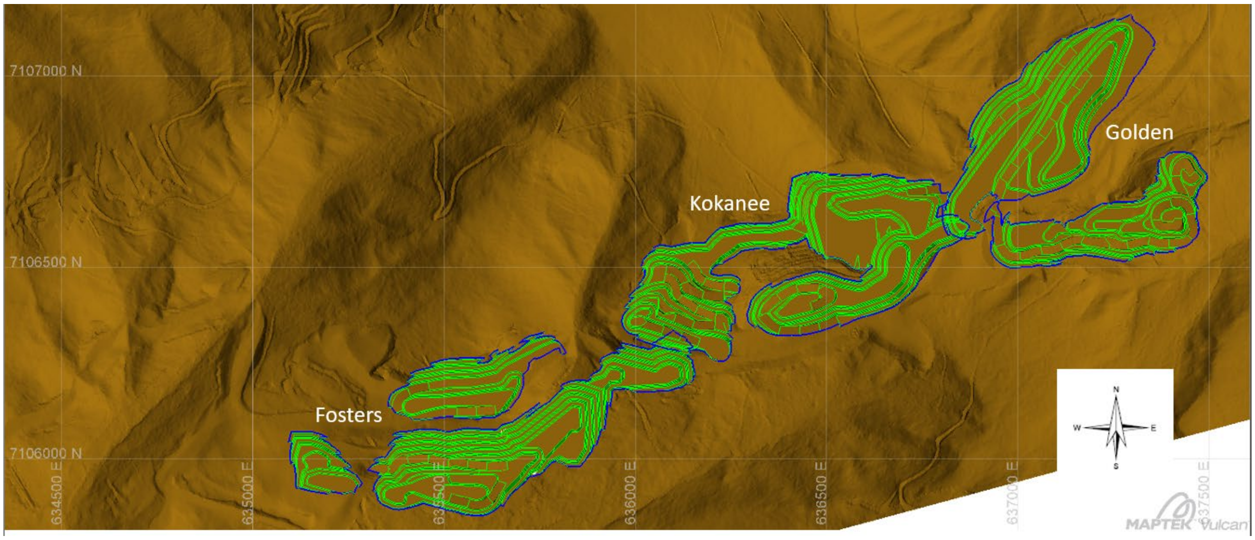


Figure 16-3 Fosters, Kokanee, and Golden Pit Designs

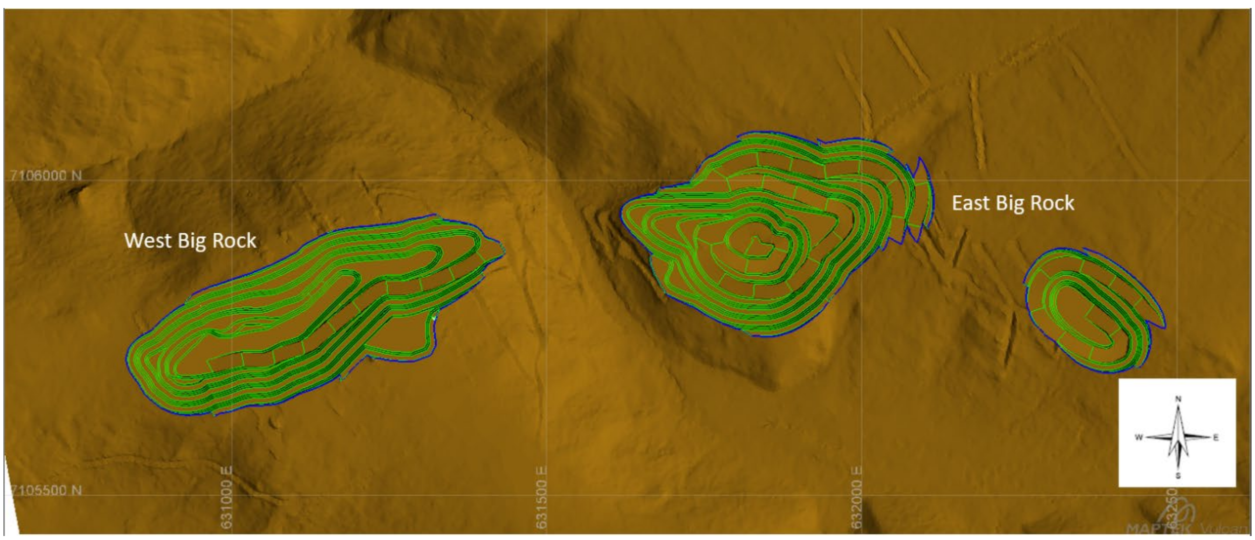


Figure 16-4 East and West Big Rock Pit Designs

16.5 Pit Design Inventories

Measured, Indicated, and Inferred Mineral Resource inventories of the preliminary open pit designs are tabulated in Table 16-8.

Table 16-8
Brewery Creek Project Open Pit Inventory

Pit	Cutoff (g/t)	Mineralized Material (kt)	Contained Grade (g/t)	Contained Ounces (k oz)
Big Rock East	0.33	2,555	0.706	58
Big Rock West	0.33	2,378	0.901	69
Golden	0.41	1,900	0.992	61
Kokanee	0.41	2,219	0.876	62
Fosters	0.41	3,055	1.10	108
Lucky	0.41	2,250	1.377	100
Bohemia	0.35	2,261	1.087	79
Schooner	0.35	2,040	1.388	91
Total		**18,657**	**1.048**	**628**

Columns may not total due to rounding

After applying the modifying factors for the pit designs, 92% of the tonnes and 80% of the Au ounces from the pit optimization process are contained in the preliminary designs.

16.6 Drilling and Blasting

Primary fragmentation for mining will be carried out using traditional drill and blast techniques common in open pit mining. For the purposes of this study, a powder factor of 0.5 kg/m^3 was used for both mineralized material and waste rock.

Drilling will be conducted by the mine operator using CAT MD6200 rotary drills. Benches will be drilled at 6 meters to maximize mining recovery and provide improved mining selectivity. A conceptual staggered drilling pattern, along with drill hole geometry, is summarized in Table 16-9 and shown in Figure 16-5 and Figure 16-6.

Table 16-9
Drilling and Blasting Parameters

Parameter	Value
Bench height (m)	6
Blasthole diameter (mm)	127
Burden (m)	3.18
Spacing (m)	3.65
Sub-drilling (m)	0.4
Total hole length (m)	6.4
Charged length (m)	2.54
Stemming length (m)	3.86

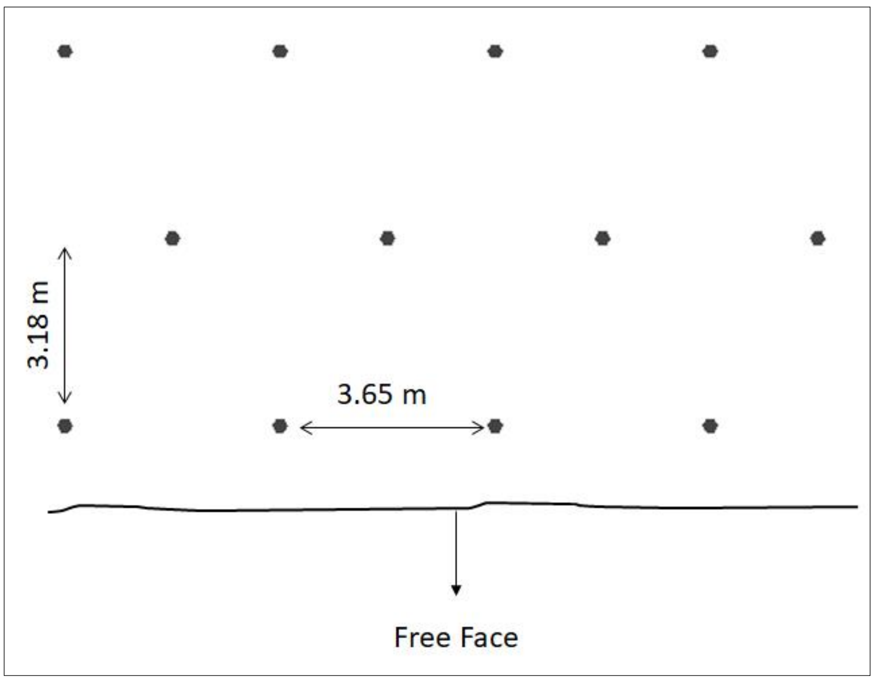


Figure 16-5 Conceptual Drilling Grid Pattern

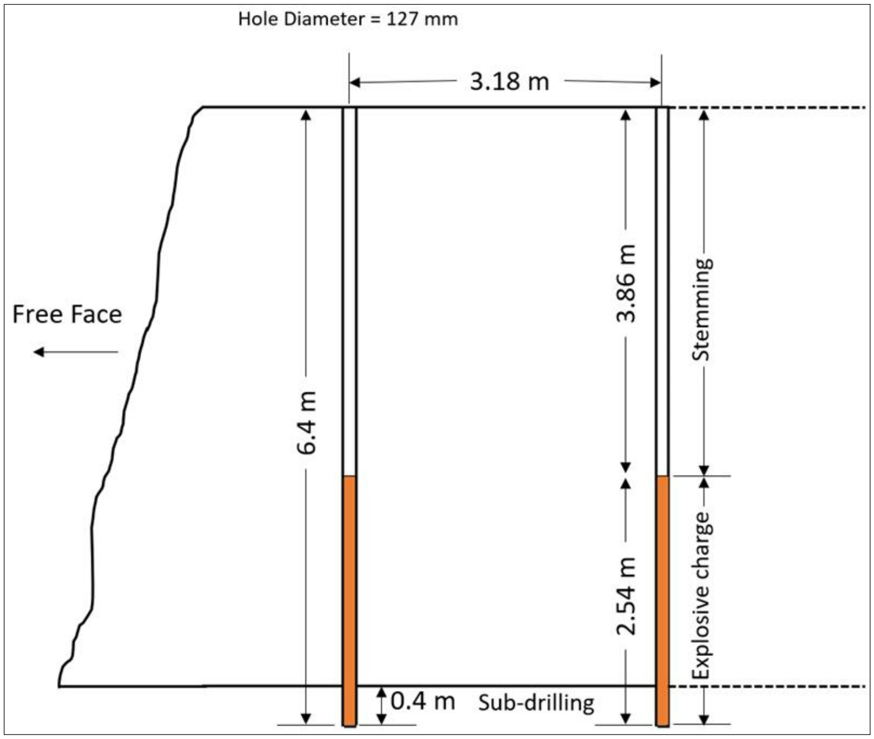


Figure 16-6 Cross-Section of Planned Drilling Parameters

Blasting is planned to be performed by a blasting contractor, who will be responsible for maintaining the explosive magazines, blasting operations, and required blasting equipment. For explosive storage, a 150 m x 150 m flat area will be prepared as part of pre-operations site work. Due to the potentially wet nature of the holes, a combination of heavy ANFO and emulsion explosives may be required.

16.7 Mine Roads

The haul roads used during previous operations have been partially reclaimed. To start mining at the site, the haul roads will need to be re-established where appropriate, and new roads will be constructed to facilitate mining of the Bohemia, Schooner, and East and West Big Rock deposits.

16.7.1 Haul Road Design

Existing roads are planned to be utilized where possible. Re-establishing the haul roads will require removal of vegetation from the existing roads, blading, grading, construction of a safety berm, ditching for drainage, and surfacing with gravel. A minimum of 8 culverts will be required to be installed. Additional fill is planned to be placed to the west of the Lucky pit along the existing road to optimize/straighten the road in this area. This will also allow space for waste rock placement. Waste material is planned to be placed between the Bohemia and Schooner pits to allow access to the Schooner pit.

Haul roads were designed to be wide enough for two lane traffic, except for in-pit roads, which were designed for single-lane travel to minimize waste stripping requirements. The road parameters are listed in Table 16-10.

Table 16-10
Haul Road Parameters

Parameter	Design Input	Parameter	Design Input
Travel Width – dual lane	20.1 m	Travel Width – single lane	13.4 m
Safety Berm	>= 2.0 m	Minimum culvert diameter	1.5 m
Maximum Profile Grade	12%	Drainage Width	>= 3.0 m

For this project, the Komatsu HD785-8 haul truck was selected as the largest piece of equipment that will operate on the haul road network. Design width for a double lane haul road width is 20.1 meters, while a single lane road will be a minimum of 13.4 meters wide. Shoulder berms should not be less than 2.0 meters. Figure 16-7 and Figure 16-8 show double- and single-lane haul roads in cross section.

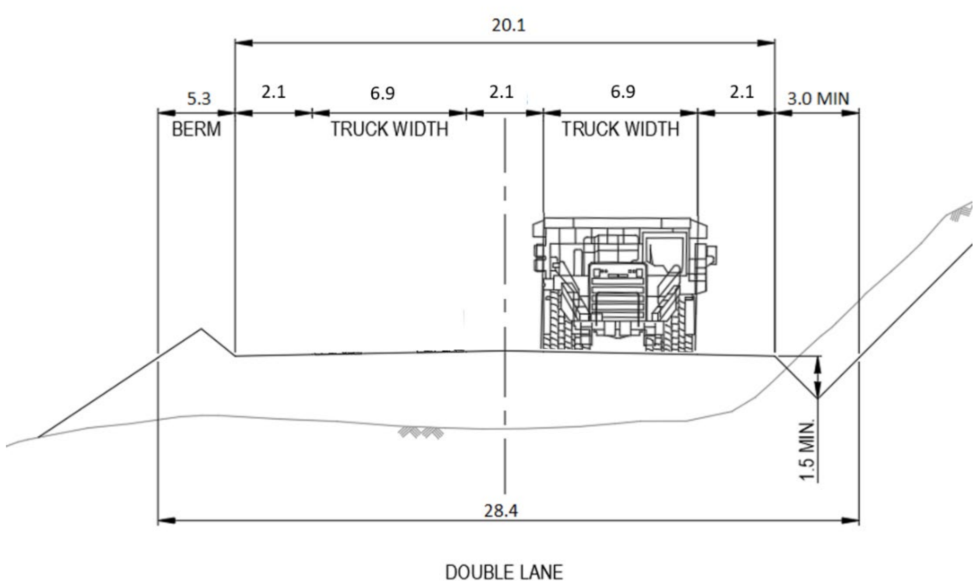


Figure 16-7 Double Lane Haul Road Cross-Section

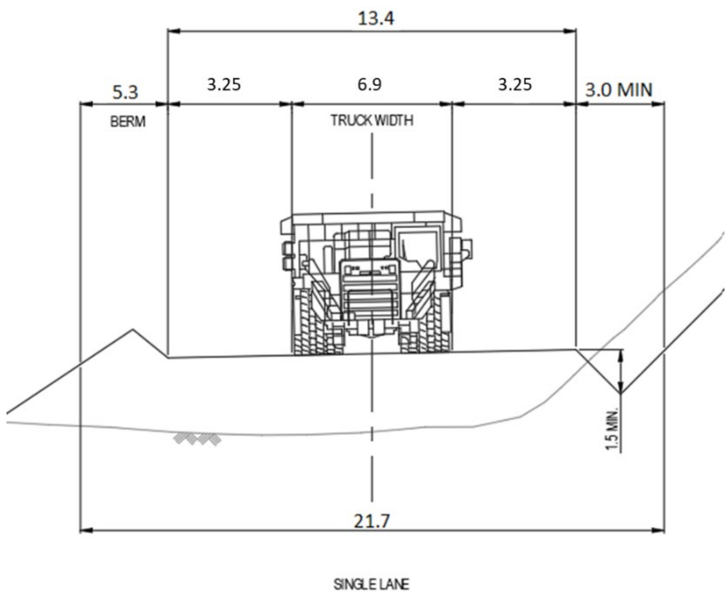


Figure 16-8 Single Lane Haul Road Cross-Section

Haul road shoulder berms must be maintained in good condition to ensure safe operation, particularly during periods of potential water retention and freezing.

16.7.2 Production Schedules

The mine designs were used to create a life of mine (LOM) schedule for the site. A mining rate of 9,000 tonnes per day (tpd) was used as the average run of mine rate for material delivery to the crusher. The mine will operate 275 days per year at this rate. The leach pad will operate 365 days per year. The pits have an average operation stripping ratio of 4.03. The LOM is approximately 8.6 years including one year of pre-production in which the heap leach will be unloaded, then stripping and construction will start. A reduced crusher target of 1.8 Mt was used for the first production year.

A strategic schedule was created and optimized using Minemax Scheduler 6 software. It includes mineralized material above cutoff from nine pits. The schedule focused on optimizing the mining parameters, include tonnage, grade, and haulage. Priority was given to maintaining access, as well as providing as balance of truck hours. Table 16-11 shows the material movement per year starting in the pre-production period (Year -1). There is previously mined material on the heap leach pad that will require removal before fresh material can be placed on the pad.

Table 16-11
Production Schedule by Pit and Year

Pit	Total	Year -1	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8
EAST BIG ROCK										
Mineralized Material (kt)	**2,555**	-	-	-	-	-	-	784	613	1,158
Contained Grade (g/t)	**0.706**							0.629	0.691	0.767
Contained Ounces	**58**	-	-	-	-	-	-	16	14	29
Waste Rock (kt)	**11,287**	-	-	-	-	-	-	3,237	4,387	3,663
WEST BIG ROCK										
Mineralized Material (kt)	**2,378**	-	-	-	165	628	1,372	213	-	-
Contained Grade (g/t)	**0.901**				0.628	0.894	0.893	1.182		
Contained Ounces	**69**	-	-	-	3	18	39	8	-	-
Waste Rock (kt)	**9,557**	-	-	-	1,835	3,826	3,772	124	-	-
BOHEMIA										
Mineralized Material (kt)	**2,261**	-	-	517	1,448	296	-	-	-	-
Contained Grade (g/t)	**1.087**			0.977	1.130	1.070				
Contained Ounces	**79**	-	-	16	53	10	-	-	-	-
Waste Rock (kt)	**6,489**	-	-	3,520	2,446	523	-	-	-	-
GOLDEN										
Mineralized Material (kt)	**1,900**	-	-	-	364	1,535	-	-	-	-
Contained Grade (g/t)	**0.992**				0.823	1.032				
Contained Ounces	**61**	-	-	-	10	51	-	-	-	-
Waste Rock (kt)	**12,435**	-	-	-	4,097	8,337	-	-	-	-
LOWER FOSTERS										
Mineralized Material (kt)	**2,715**	-	-	-	-	-	-	262	1,787	667
Contained Grade (g/t)	**1.135**							0.742	1.182	1.164
Contained Ounces	**99**	-	-	-	-	-	-	6	68	25
Waste Rock (kt)	**7,539**	-	-	-	-	-	-	1,698	4,399	1,442
LUCKY										
Mineralized Material (kt)	**2,250**	35	432	1,351	431	-	-	-	-	-
Contained Grade (g/t)	**1.377**	0.683	1.002	1.369	1.835					
Contained Ounces	**100**	1	14	59	25	-	-	-	-	-

Pit	Total	Year -1	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8
Waste Rock (kt)	**8,570**	1,361	2,795	3,440	974	-	-	-	-	-
SCHOONER										
Mineralized Material (kt)	**2,040**	65	1,368	607	-	-	-	-	-	-
Contained Grade (g/t)	**1.388**	1.671	1.318	1.517						
Contained Ounces	**91**	3	58	30	-	-	-	-	-	-
Waste Rock (kt)	**8,264**	3,539	4,205	520	-	-	-	-	-	-
UPPER FOSTERS										
Mineralized Material (kt)	**339**	-	-	-	-	-	-	-	-	339
Contained Grade (g/t)	**0.805**									0.805
Contained Ounces	**9**	-	-	-	-	-	-	-	-	9
Waste Rock (kt)	**1,628**	-	-	-	-	-	-	-	-	1,628
KOKANEE										
Mineralized Material (kt)	**2,219**	-	-	-	-	-	1,076	1,143	-	-
Contained Grade (g/t)	**0.876**						0.846	0.903		
Contained Ounces	**62**	-	-	-	-	-	29	33	-	-
Waste Rock (kt)	**13,897**	-	-	-	-	-	9,686	4,211	-	-
Total Mineralized Material (kt)	**18,657**	100	1,800	2,475	2,409	2,459	2,448	2,401	2,400	2,164
Total Waste Rock (kt)	**79,666**	4,900	7,000	7,480	9,353	12,686	13,458	9,269	8,786	6,734
Total Contained Ounces (koz)	**628**	4	72	105	91	79	69	63	82	62
Stripping Ratio	**4.03**		3.9	3.0	3.9	5.2	5.5	3.9	3.7	3.1

Columns may not total due to rounding

During the pre-stripping and construction phases, the fill to access the Bohemia and Schooner pits is planned to be placed. The mine schedule starts in the Lucky, Schooner, and Bohemia pits to balance the hauls and provide additional mining areas. Based on the mine plan, Schooner will be mined, and waste will be placed in the waste storage area between Bohemia and Schooner. Mining will then progress west into the KEG pits, with production in the Big Rock pits beginning in Year 3.

A minimum of two areas are planned to be open for mining during any period. Waste is planned to be placed as backfill into the mined-out areas as available to minimize external waste storage.

In this schedule, the KEG pits will begin with the Lucky and Golden pits. Waste will be stored in the waste rock storage area near Lucky or backfilled into existing pits. The Kokanee and Fosters pits are the last to be mined. The waste associated with these areas will be backfilled into mined areas as available or deposited in the Golden waste rock storage area.

16.8 Mine Equipment

Mining equipment quantities are estimated based on performance rate, production, and maintenance requirements. Operating mobile equipment requirements are estimated for the projected LOM production and development schedules.

Where a fleet of equipment is required, additional units have been purchased to provide standby coverage associated with expected availability. Mechanical availability was considered in the quantity estimates for all mobile equipment.

Table 16-12 provides a list of the planned equipment with maximum units required on site for the LOM. The quantities exclude replacement equipment. The overall operating quantities fluctuate over the LOM to match the production and development schedule requirements at any given time.

Table 16-12
Mining Equipment Requirements

Equipment	Max Units
Komatsu WA900-8 Loader	3
Komatsu WA600 Loader	1
CAT MD6200 Drill	3
Komatsu HD785 Haul Truck	10
Komatsu D375A-8 Dozer	2
Komatsu GD655-7 Grader	2
Pump	3
Generator	3
Light Vehicle (4x4)	12
Portable Light Plant	4
Lube Truck	1
Field Service Truck	1
Lowboy Trailer	1
Total	**46**

Prior to production, an initial equipment fleet is required to be on site to perform work associated with initial leach pad unloading (3.5 Mt), re-establishing the haul roads, and pre-stripping. The pre-production equipment requirements are listed in Table 16-13.

Table 16-13
Pre-production Equipment Requirements

Equipment	Max Units
Komatsu WA900-8 Loader	3
Komatsu WA600 Loader	1
CAT MD6200 Drill	1
Komatsu HD785 Haul Truck	7
Komatsu D375A-8 Dozer	2
Komatsu GD655-7 Grader	2
Pump	2
Generator	2
Light Vehicle (4x4)	8
Portable Light Plant	4
Lube Truck	1
Field Service Truck	1
Lowboy Trailer	1
Total	**35**

16.9 Backfill and Waste Rock Storage

Approximately 40.3 million cubic meters of waste rock are planned to be generated over the LOM. Mined-out pits will be the primary locations for waste rock storage to provide short waste haulage, as well as geotechnical buttressing. Waste material that cannot be backfilled into a mined-out pit will be hauled to surface waste rock dumps. The locations and conceptual footprints of surface waste rock storage areas are shown in Figure 16-9. Note these locations include additional waste dump construction in the Schooner, Lucky, and Golden pits. Additional storage capacity is available in the other KEG pits as well as the Bohemia pit. Waste rock will also be used for haul road construction and maintenance.

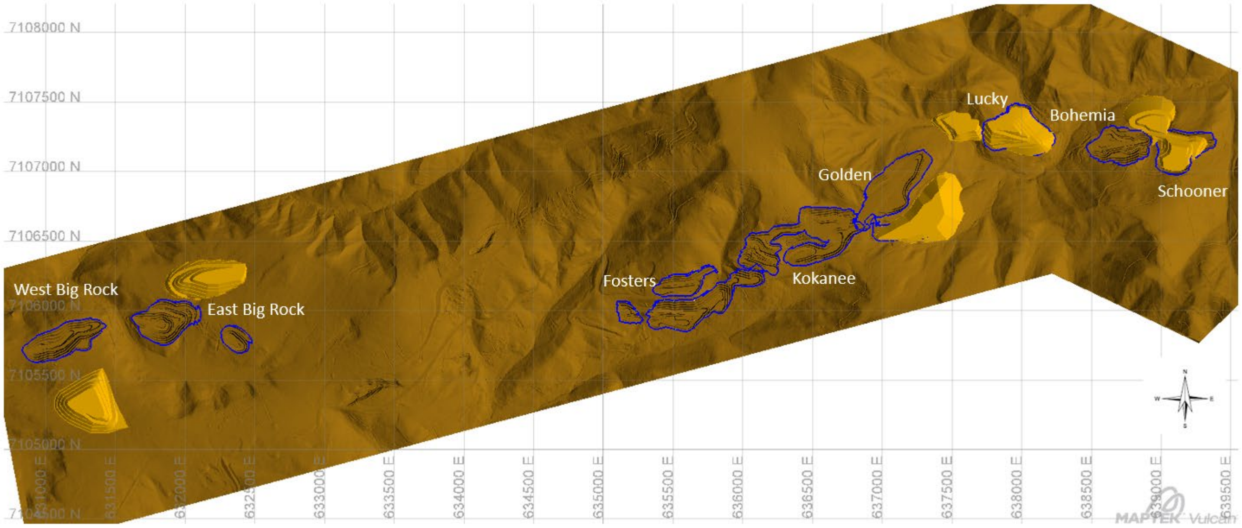


Figure 16-9 Locations of Conceptual Surface Waste Rock Storage Locations

Material currently on the heap leach pad is planned to be partially unloaded prior to placing mined material for processing. Approximately eight million tonnes of material will be removed from the leach pad and relocated into the previously mined Pacific pit, a dump to the south, or be utilized for construction material for the haul roads and crossings where possible.

16.10 Dewatering

Updated hydrogeological calculations were completed during the Fall 2020 drilling program to predict pit inflow values. Inflow estimates were developed using data from water-level measurements and hydraulic testing in monitoring wells, piezometers, and boreholes at the site. Calculations were made using the same analytical modeling methods as described in the Tetra Tech (2012) memorandum. Refer to Section 20.5 for discussion of historical trends in pit water chemistry.

16.10.1 Input Parameters

Inputs for the groundwater inflow estimates to the proposed open pits included hydraulic conductivities, elevations of the pit bottoms and the water table, and rates of groundwater recharge. Table 16-14 summarizes the input values for the various pit areas. In general, the input parameters included the following:

- The hydraulic conductivities of the bedrock lithologies in the vicinities of the proposed open pits, based on the results of packer tests, slug tests, and pumping tests in the various proposed pit areas; the geometric mean values are considered most representative, and the minimum and maximum values provide a range

- The average water table elevations in the pit areas that intersect the water table
- The average elevations of the pit bottoms in the pit areas that intersect the water table
- An average recharge rate of 5 millimeters per year throughout the area of influence for each pit

Table 16-14
Input Parameters for Pit Inflow Estimates

Proposed Pit Area	Hydraulic Conductivity (m/s)			Pit Area Below Water Table[1] (m^2)	Mean Hydraulic Head[2] (m asl)	Bottom of Pit[3] (m asl)
	Min.	Max.	Geometric Mean			
Lucky 1 North	1.0E-08	5.0E-06	3.0E-07	20,400	825	810
Lucky 1 South	1.0E-08	5.0E-06	3.0E-07	10,800	800	790
Golden 1	5.0E-08	1.0E-06	2.5E-07	9,000	890	885
Golden 2 (North)	5.0E-08	1.0E-06	2.5E-07	58,100	965	930
Golden 2 (South)	5.0E-08	1.0E-06	2.5E-07	18,000	930	915
Kokanee 1	5.0E-07	1.0E-04	1.1E-05	20,200	970	940
Kokanee 2	5.0E-07	1.0E-04	1.1E-05	16,100	975	950
Kokanee 3	5.0E-07	1.0E-04	1.1E-05	0	920	--
Kokanee 4	5.0E-07	1.0E-04	1.1E-05	21,000	1005	975
Kokanee 5	5.0E-07	1.0E-04	1.1E-05	0	830	--
Kokanee 6_1	5.0E-07	1.0E-04	1.1E-05	0	850	--
Kokanee 7	5.0E-07	1.0E-04	1.1E-05	0	925	--
Kokanee 7_1	5.0E-07	1.0E-04	1.1E-05	0	940	--
Lower Fosters	4.0E-06	7.0E-06	4.5E-06	30,800	810	798
Upper Fosters	4.0E-06	7.0E-06	4.5E-06	0	850	--

[1] The pits or pit sub-areas shown with zero area entirely are above the water table.
[2] Water table elevation in the part of the pit that intersects the water table.
[3] Average pit bottom elevation in the part of the pit that intersects the water table.

16.10.2 Predicted Pit Inflows

Table 16-15 provides the results of the pit inflow predictions. The values listed under "Mean Inflow" were calculated using the geometric mean hydraulic conductivity and are considered the most likely inflow rate, given the available data for the water table elevations, bedrock hydraulic properties, and the preliminary pit designs.

Table 16-15
Predicted Pit Inflows

Proposed Pit Area	Minimum Inflow (m^3/day)	Maximum Inflow (m^3/day)	Mean Inflow (m^3/day)
Lucky 1 North	4	2,089	126
Lucky 1 South	2	1,013	61
Golden 1	5	92	23
Golden 2 (North)	82	1,645	412
Golden 2 (South)	20	392	98
Kokanee 1	416	83,138	9,146
Kokanee 2	310	61,852	6,804
Kokanee 4	424	84,768	9,325
Lower Fosters	1,643	2,875	1,848

16.10.3 Dewatering Requirements and Equipment

During mining, pit walls are planned to be dewatered using pit wall drains. Discharge from the drains will be collected in ditches directing flow to sumps. The sumps will also collect surface water pit wall runoff and direct precipitation. Sump water would be removed through pumping and discharge lines to the pit rim. Diversion channels will be included to divert the water around the pits and the waste rock storage facilities as necessary. High performance portable pumps powered by trailer-mounted generators will be used to pump water from the in-pit sumps to the surface dewatering system.

16.11 Labor Requirements

Direct and indirect labor requirements were estimated based on planned mine development and production rates, mine activities, mobile equipment quantities, mining methods, and general mine requirements during mine development, construction, and operations. Mine operations crews will be scheduled at 12 hours per shift and 2 shifts per day, working 275 days per year.

16.11.1 Mine Personnel Requirements

Maximum mine labor requirements are reached in Year 5. Actual labor requirements vary by period, and the total quantity of personnel required is estimated to be 110.

17.0 RECOVERY METHODS

17.1 Process Design Basis

Test work results indicate that material from various pits at Brewery Creek are amenable to cyanide leaching for the recovery of gold. Based on the Mineral Resource of 18.7 million tonnes and established processing rate of 9,000 tonnes per day, the project has an estimated life of 7.9 years.

This report considers reusing the existing heap leach pad and ponds for processing newly mined material; previously leached material will be reclaimed from the existing leach pad during the pre-production period. Mineralized material will be crushed to 80% passing 19 mm at an average rate of 9,000 tonnes per day using a three-stage closed crushing circuit. Crushed material will be combined with lime for pH control, stacked in 10 m lifts and leached with a dilute cyanide solution. Solution will flow by gravity to a pregnant solution tank which feeds a carbon adsorption circuit. Gold values will be loaded onto carbon and recovered using a modified pressure Zadra recovery process where gold is stripped from carbon and recovered by electrowinning. The resulting precious metal sludge will be treated in a mercury retort to recover mercury values before being smelted to produce the final doré product.

A summary of the processing design criteria is presented in Table 17-1. A detailed process design criteria document is referenced in Section 27 of this report.

Table 17-1
Process Design Criteria Summary

ITEM	DESIGN CRITERIA
Annual Tonnage Processed	2,475,000 tonnes
Crushing Production Rate	9,000 tonnes/day average
Crushing Operation	12 hours/shift, 2 shifts/day, 7 days/week, 275 days/year
Crusher Availability	75%
Crushing Product Size	80% -19 mm
Conveyor Stacking System Availability	80%
Leaching Cycle, days (Total)	85
LOM Average Sodium Cyanide Consumption, kg/t	0.27
LOM Average Lime Consumption, kg/t	2.4
LOM Average Gold Recovery	75%

The process considers re-using the existing leach pad and reconstructing or repairing the solution collection system, which includes the solution collection ditches and process solution ponds. The reclaim plan also considers leaving a 3 m buffer above the lining system to ensure the existing liner system is not damaged during excavation.

17.2 Process Summary

Previously leach material at Brewery Creek will be excavated from the existing leach pad, which will be stacked with new mined material. Mineralized material will be mined by standard open pit mining methods from multiple pits and will be processed through a crushing circuit where it will be crushed to 80% passing 19 mm (100% passing 25 mm) at an average rate of 9,000 tonnes per day. Crushing will be accomplished in three stages including an open circuit primary jaw crusher, open circuit secondary cone crusher and closed-circuit tertiary cone crusher. Material will be fed to the primary jaw crusher using a dedicated loader. Mining and crushing activities will be performed seasonally between late March through December (approximately 275 days/year) with leaching year-round.

Crushed material will be stockpiled using a fixed stacker, reclaimed using belt feeders, combined with lime for pH control and conveyed to the conveyor stacking system by an overland conveying system. Crushed material will be stacked in 10 m lifts and leached using a buried drip irrigation system. After percolation through the material, the pregnant leach solution will drain by gravity to a pregnant solution tank where it will be pumped to the carbon adsorption circuit. Gold values will be loaded onto activated carbon in the adsorption circuit; the resulting barren solution will flow by gravity to a barren solution tank and then be pumped to the heap for additional leaching. High strength cyanide solution will be injected into the barren solution to maintain the cyanide concentration in the leach solutions at the desired levels.

Loaded carbon from the adsorption circuit will be stripped using a modified pressure Zadra process where gold and silver will be stripped from the carbon and recovered by electrowinning. Cathodes from the electrowinning cells will be washed and the resulting precious metal sludge treated in a retort to recover mercury values followed by smelting to produce the final doré product.

Carbon will be acid washed before every strip to remove organic scale. Approximately 50% of the carbon will be thermally regenerated after each strip using a rotary kiln.

Electric power will be generated on site using diesel generators. Waste heat from the generators will be used to heat barren process solution during the winter months to prevent freezing. An emergency direct-fired solution heater is also planned for the first year of operation to ensure heap performance. Process solution pipes will be insulated with heat tracing to prevent freezing. Water piping will be buried below the frost line.

The project includes three existing ponds which will be re-lined and used to handle excess solutions from the process. Solution collected in these ponds will be returned to the system as soon as practical.

Figure 17-1 presents the overall process flowsheet and Figure 17-2 presents the site general layout. Additional flowsheets and layout drawings are referenced in Section 27 of this report.

All selected processes and equipment are established technologies used in gold and silver processing plants. A detailed equipment list is referenced in Section 27 of this report.

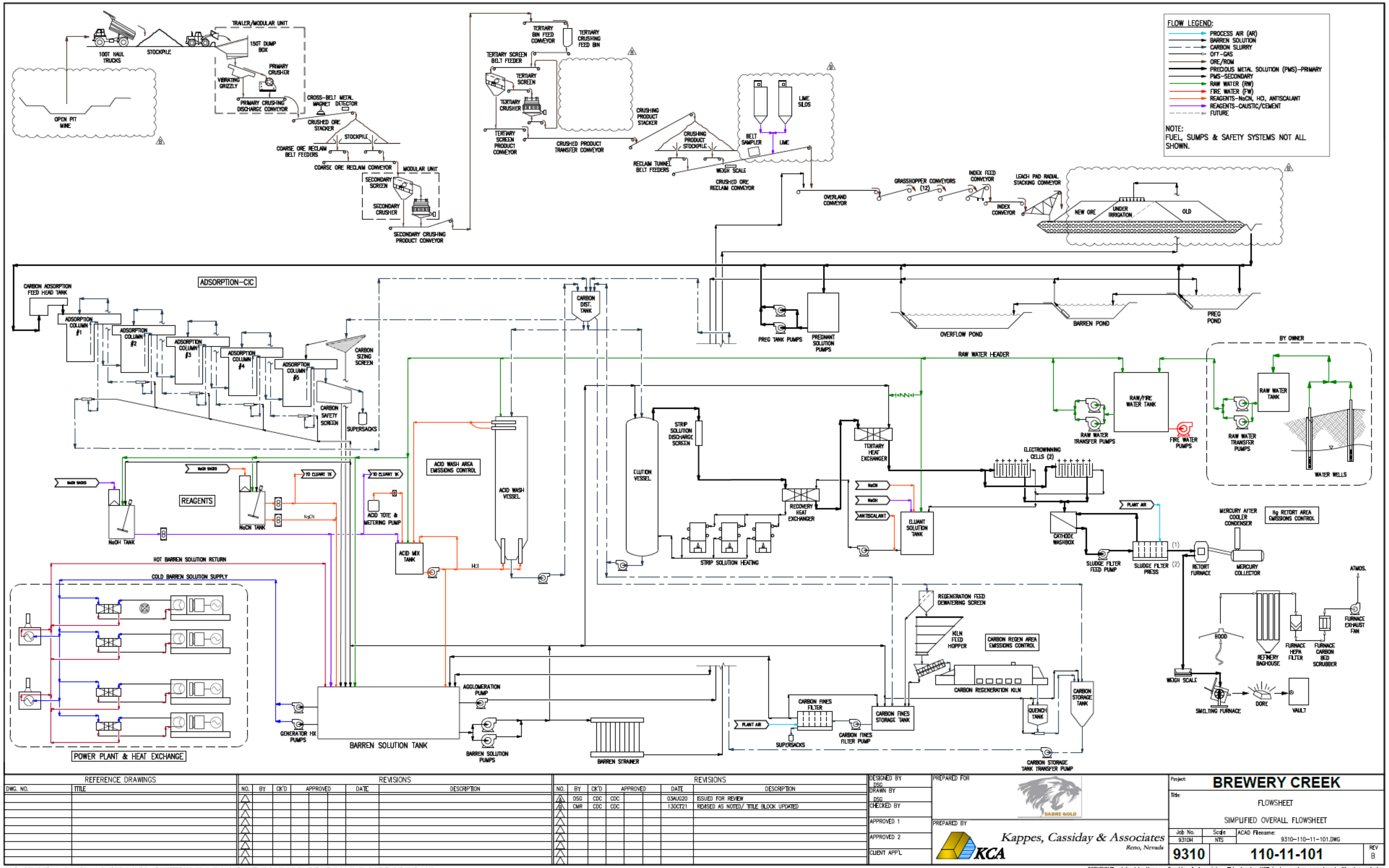


Figure 17-1 Overall Process Flowsheet

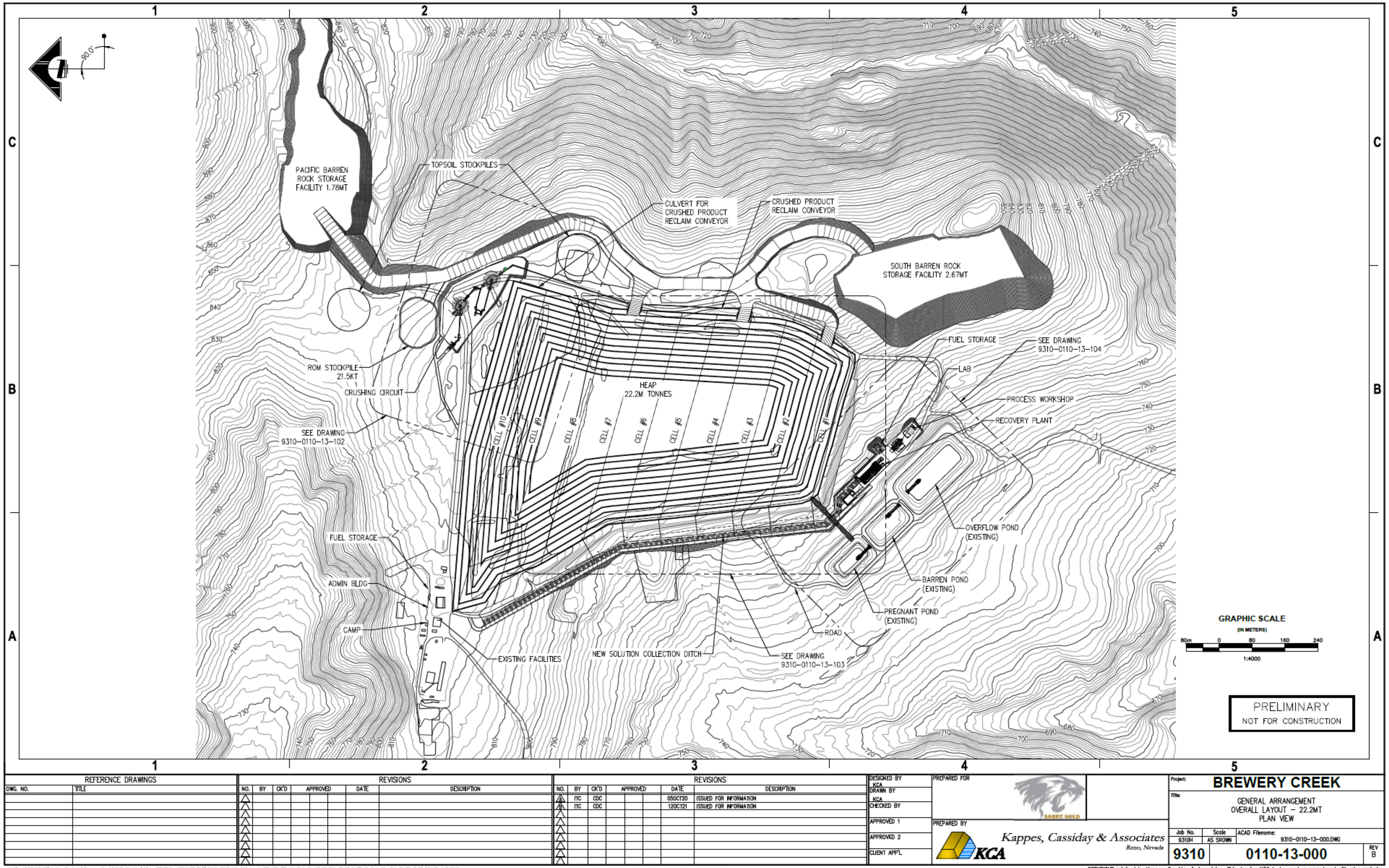


Figure 17-2 Overall Site Layout

17.3 Crushing

The crushing circuit at Brewery Creek will consist of primarily mobile, trailer mounted crushing equipment interconnected by transfer conveyors. The crushing circuit is designed to process 9,000 tonnes of material per day with an overall availability of 75% and will operate seasonally from late March through December (approximately 275 days per year).

Material from the ROM stockpile will be fed to the mobile primary crushing system using a front-end loader, which feeds directly to a dump box; material level within the dump box will be controlled visually by the loader operator. The dump box will be equipped with a vibrating grizzly feeder which will scalp material at 100 mm with oversize material being fed to the primary jaw crusher and undersize material being combined with the primary crushed product on the primary crushing discharge conveyor. The primary jaw crusher will operate with a 100 mm closed side setting with a crushed product of 80% passing 110 mm. The jaw crusher product and vibrating grizzly feeder undersize will be transferred to the coarse product stockpile stacker by the primary crusher discharge conveyor and stacked onto an 8,500-tonne stockpile (2,500 tonnes live capacity). A rock breaker positioned at the jaw crusher will be used to break any oversize rocks.

The coarse product stockpile stacker will be equipped with a magnet and metal detector to protect down stream equipment from any tramp metal. Tramp metal collected by the magnet will be collected in a tramp metal bin to be discarded. The metal detector will sense any metals that pass beyond the magnet. If metal is detected, an alarm will sound and the conveyor will be stopped, which in turn will stop all upstream equipment. The metal detector will deploy a marker where the metal is detected.

Primary crushed material from the stockpile will be reclaimed by belt feeders onto the coarse product reclaim conveyor. The coarse product reclaim conveyor will feed the mobile secondary crushing system which includes the double deck vibrating secondary screen, standard secondary cone crusher and the secondary crushing product conveyor. Primary crushed material will be fed onto the secondary screen with 76 mm and 50 mm top and bottom deck openings, respectively. Oversize material (+50 mm) will be fed to the secondary cone crusher that will operate with a 25 mm closed side setting. The crushed material will be combined with the screen undersize on the secondary crushing product conveyor and transferred to the tertiary bin feed conveyor which will feed a 100-ton tertiary crushing feed bin. The tertiary bin feed conveyor will be equipped with a cross belt magnet and metal detector to protect the downstream crushing equipment from tramp metal.

Material will be reclaimed from the tertiary crushing feed bin by a tertiary screen feed belt feeder and transferred to the mobile tertiary screen system by a tertiary screen feed conveyor. The mobile tertiary screen system will include a double deck vibrating tertiary screen and tertiary screen product conveyor. The tertiary screen will include 38 mm and 25 mm top and bottom deck openings, respectively, with oversize material (+25 mm) being conveyed to the mobile tertiary crushing system by the tertiary crushing feed conveyor. The screen undersize material, which represents the final crushing product (80% passing 19 mm, 100% passing 25 mm) will be conveyed by the tertiary screen product conveyor to a crushed product transfer which feeds the crushing product stockpile stacker. The crushed product will be temporarily stored on an 8,500 tonne (2,500 tonne live) crushed product stockpile before being reclaimed, combined with lime for pH control, and conveyed to the leach pad stacking system.

The tertiary crushing circuit will operate in a closed circuit. Oversize from the tertiary screen will be conveyed to the mobile tertiary crushing circuit which will include a short head tertiary cone crusher and tertiary crusher discharge conveyor. Material from the tertiary crushing feed conveyor will be fed directly to the tertiary cone crusher which will operate with a closed side setting of 19 mm. The tertiary crushed material will discharge onto the tertiary crusher discharge conveyor and be recycled back to the tertiary screen feed conveyor.

Each of the mobile crushing systems will include all necessary motor starters and instruments and is equipped with a local control panel with push button start/stops for each piece of equipment as well as emergency stop buttons for the system. Strobe lights and horn alarms will also be included to signal the starting of equipment. A central PLC control unit will be located in a crushing control room which allows for control and monitoring of all crushing equipment, as well as monitoring of the conveyor stacking equipment. All of the conveyors will be interlocked so that if one conveyor trips out, all upstream conveyors and the vibrating grizzly feeder will also trip. This interlocking is considered to prevent large spills and equipment damage. These features are considered necessary for safe operation as well as to meet the design utilization for the system.

Water sprays will be located at all material transfer points to reduce dust generation by the crushing circuit.

17.4 Reclamation & Conveyor Stacking

Material from the crushed product stockpile will be reclaimed by one of two belt feeders and fed onto the crushed product reclaim conveyor. Lime from the lime silo systems will be metered directly onto the crushed product reclaim conveyor at an average rate of 2.4 kg per tonne of material for pH control; the actual lime addition will vary by material type. The crushed product reclaim conveyor will be equipped with a belt weigh scale which will provides a signal to the lime feeders to maintain the correct lime addition rate. The crushed product reclaim conveyor will also includes a cross-belt sampler which will take a sample of the material at regular intervals in order to generate a composite sample of the material delivered to the heap.

The crushed product reclaim conveyor will discharge to an overland conveyor which will transfer material to the heap stacking circuit. The heap will be constructed in 10-meter-high lifts, in cells 80 meters wide, using a mobile conveyor stacking system. The heap stacking system will consist of two each transfer overland conveyors, two each grasshopper transfer conveyors, 12 each standard grasshopper conveyors, 6 each ramp grasshopper conveyors, an index feed conveyor, horizontal index conveyor and a radial stacker. The transfer overland conveyors and transfer grasshoppers will feed material to the grasshopper conveyors in the active stacking zone, which will transfer the material to the conveyor stacking system. The conveyor stacking system will include the index feed conveyor, horizontal index, and radial stacker conveyors. The horizontal index and radial stacker will be able to retreat and stack material onto the heap. The number of grasshopper conveyors required will vary depending on the area of the heap being stacked with a maximum of 18 grasshopper conveyors being required, not including the transfer grasshopper conveyors.

Each of the grasshopper and stacking conveyors will include an onboard transformer and interlocked PLC to allow for the removal or addition of additional conveyors. The master PLC will be installed at the radial stacker for initiating the conveyor start sequence. Each of the stacking system conveyors will include a strobe and horn alarm which will sound before the equipment starts up. Movement for the radial stacker and horizontal index conveyor will be controlled manually at the equipment. Each conveyor will be equipped with pull-cords and emergency stops. If one conveyor in the stacking line is tripped all upstream conveyors will also stop.

Once a lift of cells has finished leaching and is sufficiently drained, a new lift can be stacked over the top of the old lift. The old lift will be cross-ripped prior to stacking new material on top of any old heap area or access road/ramp to break up any compacted or cemented sections.

Stacked lifts will progress in a stair-step manner. The maximum planned heap height is 60m over the 2 m material buffer. The planned leach pad will have a total of six lifts.

17.5 Leach Pad Description

The existing leach pad operated from 1995 to 2002 for the leaching and recovery of gold and silver from ROM material before being rinsed, detoxified and reclaimed. During the initial operation, approximately 10 million tonnes of material was stacked and leached. The existing leach pad was constructed with seven distinct cells which are separated by 1 m tall berms. The leach pad design included provisions to add three additional cells (cells 8, 9 and 10) in order to provide additional leach capacity which have not been constructed. Each constructed cell includes solution collection and leak detection systems which exit the heap through buried culvert pipes to a solution collection trench which delivered process solutions in pipes to the recovery plant.

The Brewery Creek Heap project considers reclaiming material from the existing heap in order to reuse the leach pad and assumes that the existing liner, solution collection and leak detection systems are intact. The existing composite liner system includes from top to bottom:

- 1000 mm of gravel overliner
- 1 mm PVC geomembrane
- 300 mm compacted low permeability silt soil liner
- Non-woven geotextile
- 300 mm leak detection gravel fill
- 0.75 mm PVC geomembrane
- 300 mm compacted low permeability silt soil liner

To ensure the liner system will not damaged during reclamation, the bottom two meters of material will not be excavated. Cells 8, 9 and 10 are planned to be constructed during Year 3 of operations and will utilize the same liner system as the existing heap. A summary of the heap design parameters is presented in Table 17-2.

Table 17-2
Heap Leach Design Parameters

ITEM	DESIGN CRITERIA
Stacking Rate, tpd	9,000
Total Capacity, t	
Existing heap	~10 million
Expanded heap (cells 8, 9 and 10)	22 million
Lift Height, m	10
Maximum number of Lifts	6
Maximum stacking height, m	60
Stacked Density, t/m^3	1.34
Front of Heap Slope, H:V	3
Side and Back Slopes of Heap, H:V	3
Setback Between Lifts, m	16.7
Angle of Repose, º	37
Leaching Cycle, d	85
Number of Leach Cycles	1
Leaching Schedule	
d/a	365
h/d	24
Tonnes Under Leach, t	765,000
Active Leach Area, m^2	57,090
Solution Application Method	Buried Driplines
Solution Application Rate, Nominal, $L/h/m^2$	8.5
Heap Irrigation Rate, Nominal, m^3/h	485
Heap Leach Material Moisture Retention, % of Total Material Weight	9.6 %TBC

The project design includes a new solution collection trench to contain and transfer process solutions from the leach pad. New solution collection and leak detection piping will tie into the existing system where the original piping entered the solution collection trench. Insulated and heat traced piping will be used for all exposed pipe to prevent any solutions from freezing during winter operations.

17.6 Solution Application & Storage

Solution storage at Brewery Creek will include a pregnant solution tank, barren solution tank and existing pregnant solution pond, barren/intermediate solution pond and overflow ponds to allow for appropriate solution management. Solution management for Brewery Creek will be fairly simple. The solution ponds will be maintained empty or at low levels whenever possible. Solution diverted to the ponds will be returned to the system as make-up water as soon as practical with every effort made to avoid storing excess solution over a long period of time.

Material will be leached in a single stage using barren solution consisting of a dilute sodium cyanide solution; additional residual leaching of material will occur as leach solution from higher lifts percolates downward. Barren solution will be pumped from the barren solution tank to the active leach site using a dedicated set of pumps and will be applied to the heap by a system of drip emitters. The barren solution piping design considers insulated and heat-traced pipe to reduce the risk of freezing during winter operations with barren piping on the leach pad being buried. Buried drip emitters will be used for solution application and will be buried a minimum of 2 m below the heap surface. Barren solution will be applied to the heap at an average rate of 8.5 L/h/m^2. Based on metallurgical test work results, a leach cycle of 85 days has been estimated. Concentrated cyanide will be added to the barren solution tank by metering pumps to maintain the cyanide in solution at 150 to 300 ppm NaCN. The barren solution tank will be sized for 10 minutes of residence time at the recovery plant design flow rate of 580 m^3/h. Antiscalant polymer will be continuously added to the leach solutions at an average rate of 10 ppm to reduce the potential for scaling problems within the irrigation system.

The pregnant solution storage system will include the pregnant solution tank, existing pregnant solution pond and the barren/intermediate solution pond. During normal operations, pregnant leach solution containing gold and silver values from the heap will drain by gravity to the pregnant solution tank, which will be sized for 15 minutes of residence time at the design solution application rate. Pregnant leach solution will then be pumped to the carbon adsorption circuit by the pregnant solution pumps where the gold and silver values will be adsorbed from the pregnant solution and the resulting barren solution will then be returned to the barren solution tank. In the event of an upset condition, solution from the heap can be directed to the pregnant or barren / intermediate solution ponds, bypassing the pregnant tank and the recovery circuit. Overflow solution from the pregnant solution tank as well as from the recovery plant will also be collected in the pregnant solution pond.

The existing pregnant and barren / intermediate solution ponds each have a total volume of 29,000 m^3 including 0.6 m of freeboard and 1 m of dead volume. The existing ponds were partially reclaimed during the original closure activities which included the removal of the top third of the plastic liner system. The ponds will be re-lined with the following composite liner system from top to bottom:

- New 2 mm HDPE geomembrane liner
- New Geonet
- New 1 mm HDPE geomembrane
- 300 mm of recompacted existing silt soil liner.

Leak detection pipes will be installed beneath the primary pond liner to allow for monitoring and pumping of solutions from within the leak detection sumps.

The pregnant pond and barren/intermediate solution ponds will each be equipped with a submersible high flow pump to return solution to the system. The submersible pumps will be mounted on pump slides on the pond side walls to facilitate the placement and extraction of the pumps in the pond. An additional textured protective liner panel and conveyor belting will be installed on the pond sidewalls in the area the pump slide is located to protect the pond liner. The submersible pumps will be removed during the winter months when the pond is expected to be frozen.

An existing overflow pond with a total volume of 98,400 m^3 is also present and will primarily be for storing process solutions related to large storm events and snow melt. The overflow pond was partially reclaimed and will require relining for use in the planned operations. The overflow pond will be constructed using the following composite liner system from top to bottom:

- New 2 mm HDPE geomembrane liner
- New Geonet
- 300 mm of recompacted existing silt soil liner.

Leak detection pipes will be installed beneath the pond liner to allow for monitoring and pumping of solutions from within the leak detection sumps.

The overflow pond will include a submersible pump mounted on a pump slide on the ponds side slope to return solution to the active leach circuit.

By incorporating normal working solution volumes in the pregnant and barren / intermediate solution ponds, it ensures that the overflow solution pond will be used very infrequently, if at all during operation. During typical operations, normal rainfall and snowmelt events will be accommodated in the pregnant or barren ponds as long as a significant heap drain down event does not occur at the same time. The solution storage system will be designed so that the barren and pregnant solution tanks overflow to the pregnant solution pond, the pregnant solution pond overflows to the barren / intermediate solution pond and the barren / intermediate solution overflows to the overflow pond in case of an emergency or significant storm event.

17.7 Process Water Balance

17.7.1 Precipitation Data

The precipitation data was based on the finding of Access (2014) and has been taken from the Tetra Tech Technical Memo “Water Balance – Brewery Creek Feasibility Heap Leach Facility” dated 15 May 2014. The data was based on 13 years of data obtained at Brewery Creek.

Rainfall was assumed to be collected at a rate of 100% for the new stacked pad area and the ponds and at a rate of 90% for the old spent heap. Snowfall was attributed to the lined pond area while snowmelt was applied to the active pad area at 100% and the inactive areas at 90%.

The 100-year snowpack used for this report is 258 mm, from Access (2013).

The precipitation and evaporation data are presented in Table 17-3, Table 17-4 and Table 17-5.

Table 17-3
Rainfall and Evaporation Data

Month	Average Year Rainfall (mm)	Wet Year Rainfall (mm)	Dry Year Rainfall (mm)	Lake Evaporation (mm)
January	0	0	0	0
February	0	0	0	0
March	0	0	0	0
April	15.1	23.5	5.9	0
May	28.3	44.1	11.0	75.2
June	35.8	55.8	13.9	148.4
July	48.9	76.2	19.0	126.8
August	47.7	74.3	18.6	92.9
September	42.2	65.7	16.4	49.9
October	0	0	0	16.7
November	0	0	0	0.0
December	0	0	0	0.0
Total	**218.0**	**339.6**	**84.8**	**509.9**

Table 17-4
Snowfall Data

Month	Average Year Snowfall (mm)	Avg. Year Snowfall + 100-year Snowfall * (mm)	Wet Year Snowfall (mm)	Wet Year Snowfall + 100-year Snowfall * (mm)	Dry Year Snowfall (mm)	Dry Year Snowfall + 100-year Snowfall * (mm)
January	17.5	40.3	27.3	50.1	6.8	29.6
February	19.1	41.9	29.7	52.5	7.4	30.2
March	13.6	36.4	21.2	44.0	5.3	28.1
April	0	0	0	0	0	0
May	0	0	0	0	0	0
June	0	0	0	0	0	0
July	0	0	0	0	0	0
August	0	0	0	0	0	0
September	0	0	0	0	0	0
October	28.6	51.4	44.5	67.3	11.0	33.8
November	22.1	44.9	34.5	57.3	8.6	31.4
December	20.3	43.1	31.6	54.4	7.9	30.7
Total	**121.2**	**258.0**	**188.8**	**325.6**	**47.0**	**183.8**

Note: * Used only as an estimate for 100-year snowpack falling on Ponds. Assumes no sublimation losses and that the ponds do not freeze. 100-year snowpack is distributed evenly over winter months.

Table 17-5
Snowmelt Data

Month	Average Year Snowmelt (mm)	Avg. Year Snowmelt + 100-year Snowmelt (mm)	Wet Year Snowmelt (mm)	Wet Year Snowmelt + 100-year Snowmelt (mm)	Dry Year Snowmelt (mm)	Dry Year Snowmelt + 100-year Snowmelt (mm)
January	14.00	14.0	21.8	21.8	5.4	5.4
February	15.28	15.3	23.8	23.8	5.9	5.9
March	10.88	10.9	17.0	17.0	4.2	4.2
April	0.00	76.609	0	76.6	0	76.6
May	0.00	32.832	0	32.8	0	32.8
June	0.00	0	0	0	0	0
July	0.00	0	0	0	0	0
August	0.00	0	0	0	0	0
September	0.00	0	0	0	0	0
October	22.88	22.9	35.6	35.6	8.8	8.8
November	17.68	17.7	27.6	27.6	6.9	6.9
December	16.24	16.2	25.3	25.3	6.3	6.3
Total	**97.0**	**206.4**	**151.1**	**260.5**	**37.5**	**146.9**

17.7.2 Water Balance

KCA prepared a preliminary water balance based around what was previously completed by Tetra Tech in 2014. The model approximates the circulation of solutions within the heap leach and process facility, as well as the introduction of precipitation and evaporation as a function of time. The results of the water balance model predict make-up water flow rates and operation control strategies necessary in order to achieve a zero-discharge system with the existing ponds. The model is based on the leach area of the heap over time based on normal operations at the project.

The model uses time steps of months, which provides monthly average flow rates and volumes, as opposed to peak daily or peak instantaneous rates. This approach may attenuate the peak rate, as it averages the volumes over a monthly period.

Based on the water balance, for average precipitation years the Brewery Creek project is expected to operate with a slight water excess. Use of sprinklers for heap irrigation and barge mounted evaporators in the ponds to promote evaporation will be used to handle the excess solution during the spring and summer months.

Peak water demand during an average year is 10 m^3/h for the process during operations.

The estimated water balance for average precipitation years is presented in Figure 17-3.

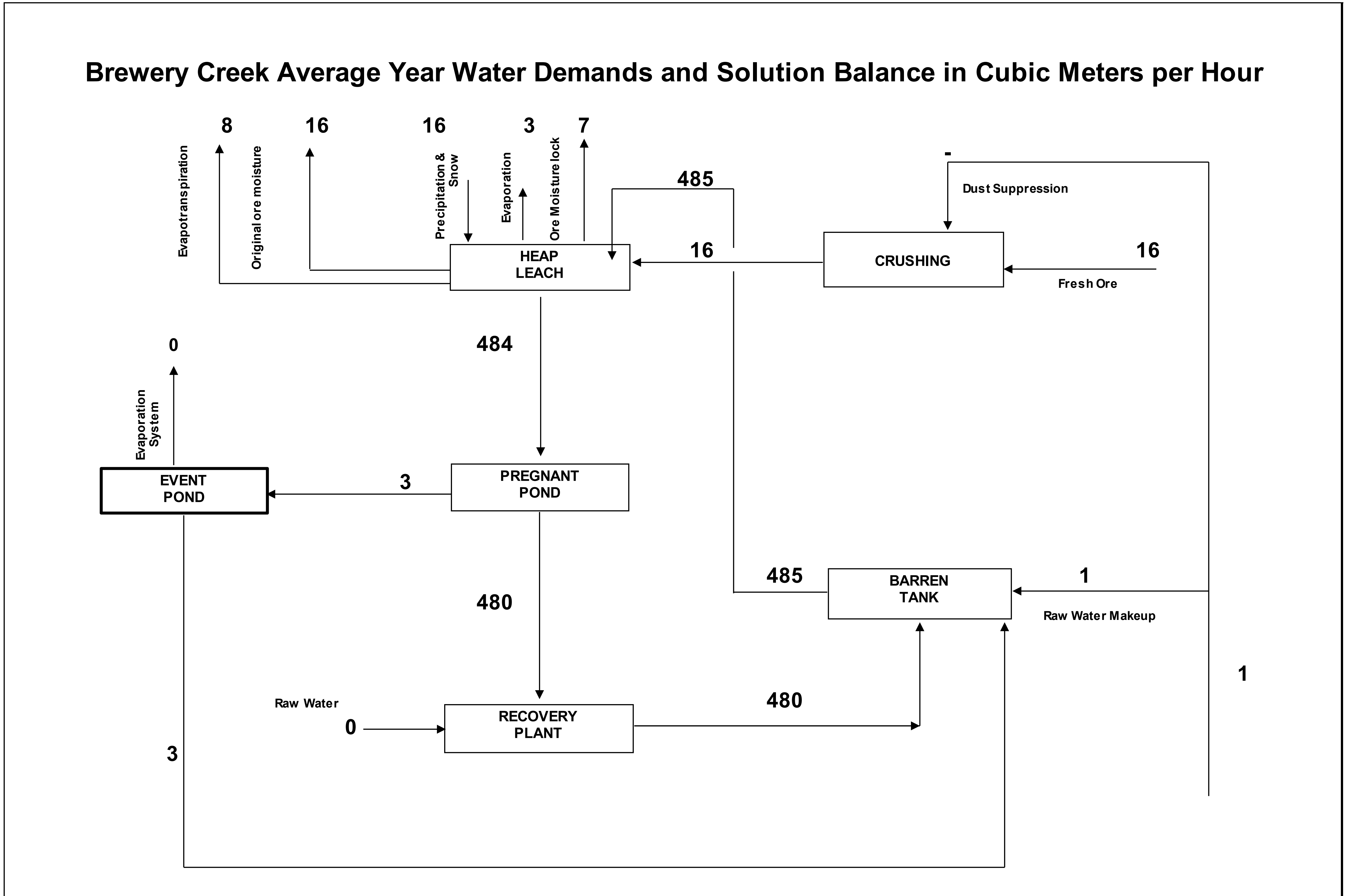


Figure 17-3 Brewery Creek Average Year Water Balance Diagram

17.8 Recovery Plant

The recovery plant at Brewery Creek will be designed to recover gold and silver values using an adsorption-desorption-recovery (ADR) process. Pregnant leach solution from the heap leach will be pumped to the carbon in column circuit (CIC) and adsorbed onto activated carbon (adsorption). Loaded carbon from the CIC circuit will then desorbed or stripped in a high-temperature elution process coupled to an electrowinning circuit (desorption), followed by retorting to recover mercury and smelting of the resulting sludge to produce doré bullion (recovery). Prior to elution, each batch of carbon will be acid washed to remove any scale and other inorganic contaminants that might inhibit gold adsorption on carbon. A portion of the carbon will be thermally reactivated using a rotary kiln after each elution batch.

The recovery plant will be semi-automatic with local human machine interfaces (HMI) panels displaying unit functions and controlling primary flow streams. Non primary, or batch flow streams, such as acid washing, will be controlled manually. All local sensors will provide a signal for monitoring to the main PLC/control station.

The recovery plant and refinery will be constructed indoors. The ADR recovery plant general arrangement is presented in Figure 17-4.

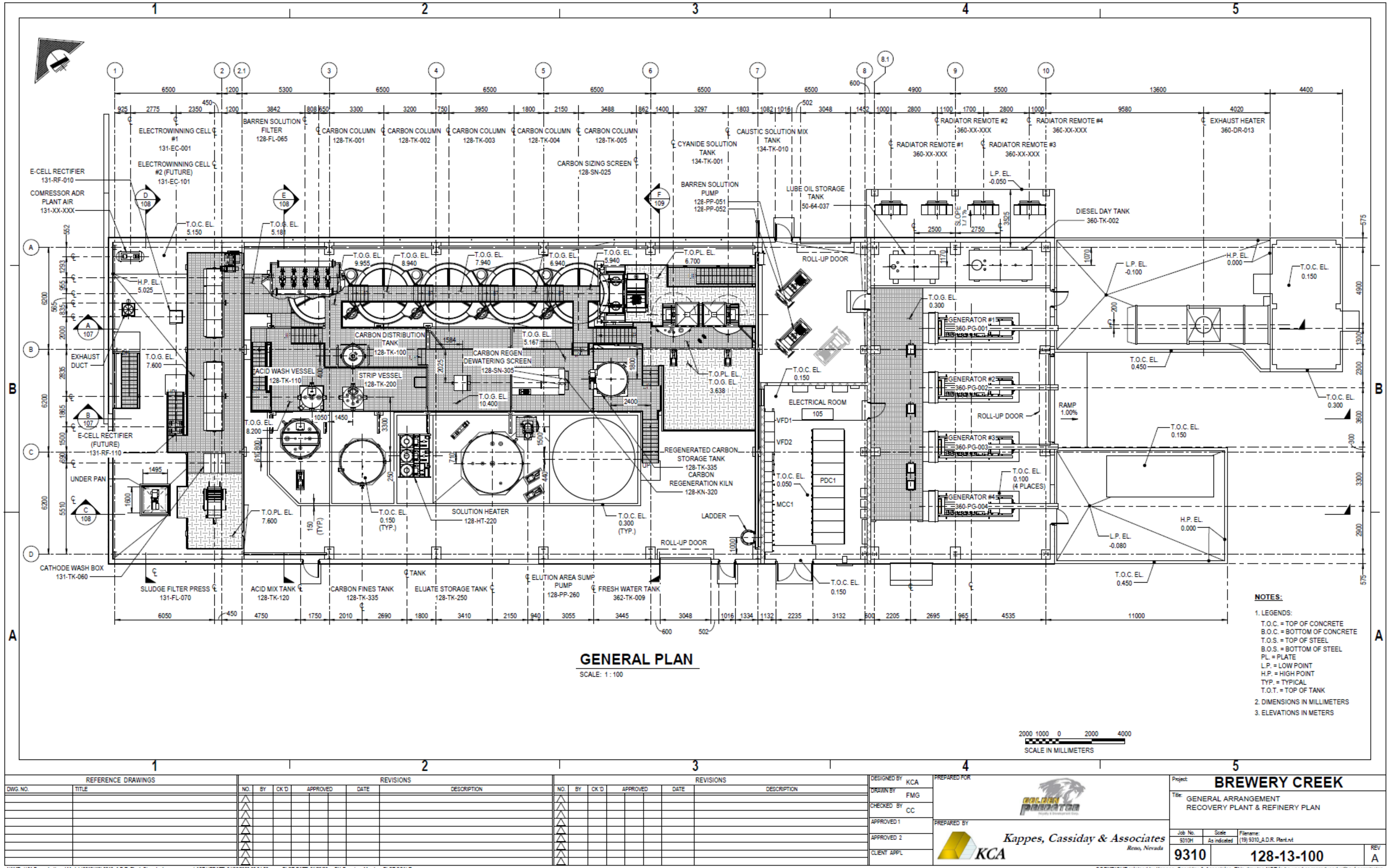


Figure 17-4 ADR Plant Layout

17.8.1 Adsorption

Adsorption of gold and silver onto carbon is accomplished in the carbon adsorption circuit which consists of one column train of five, cascade type, open top adsorption columns. Each of the columns are 3.05 m dia. x 4.0 m tall with capacity for 3 tonnes of carbon. Pregnant solution from the pregnant solution tank is pumped to the adsorption circuit at a nominal rate of 485 m3/hr. Barren solution exiting the last carbon adsorption column in the train passes through a static screen to separate any floating carbon from the solution, then flows by gravity into the barren tank.

Antiscalant is added at the pregnant solution tank to prevent scaling of carbon and reduction of the carbon loading capability. Magnetic flowmeters equipped with totalizers measure solution flow to the adsorption circuit. Pregnant solution flows by gravity through each set of five columns in series, exiting the lowest column as barren solution. Pregnant and barren solution continuous samplers are installed at the feed and discharge end of each carbon column train, respectively. Solution samples are used to measure pregnant and barren solution gold concentrations and monitor adsorption efficiency.

Adsorption of gold and silver from pregnant leach solutions from the heap circuit is a continuous process. Once the carbon in the lead column achieves the desired precious metal load it is transferred to the carbon distributor using an educator which uses the "venturi effect" to pump the carbon slurry. From the carbon distributor loaded carbon is advanced to either the elution (desorption) circuit or acid wash circuit. Push solution for carbon transfer comes from the barren pumping system and is controlled by actuated valves. Carbon in the remaining columns is advanced counter current to the solution flow to the next column in series using eductors. New or acid washed/regenerated carbon will be added to the last column in the train.

17.8.2 Carbon Acid Wash

Acid washing consists of circulating a dilute acid solution through the bed of carbon to dissolve and remove scale from the carbon. Acid washing the carbon may be done either before or after each desorption cycle. The process is performed on a batch basis.

After carbon is transferred into the acid wash vessel, but before any acid is introduced, fresh water is circulated through the bed of carbon to remove any entrained alkaline cyanide solution. This rinse solution is then pumped to the barren solution tank with the acid wash circulation pump. A dilute acid solution is then prepared in the mix tank, and circulated between the acid wash vessel and the acid mix tank. Concentrated acid is injected into the recycle stream to achieve and maintain a pH ranging from 1.0 to 2.0. Completion of the cycle is indicated when the pH stabilizes between 1.0 and 2.0 without acid addition for a minimum of one full hour of circulation.

After acid washing has been completed, the spent acid solution is pumped from the acid mix tank and wash vessel directly to the barren solution tank. The carbon is then rinsed with raw water followed by rinsing with dilute caustic solution to remove any residual acid. Total time required for acid washing a 3-tonne batch of carbon is 4 to 6 hours. After acid washing is complete, carbon is pumped using a carbon transfer pump to the carbon distributor, which is used for distributing carbon to the other circuits.

17.8.3 Desorption

A Zadra pressure elution, hot caustic desorption circuit has been selected for the Brewery Creek Project. This type of circuit requires less than 24 hours or less to complete a cycle and is sized for 3 tonne batches of carbon.

The desorption circuit is sized to elute, or "strip," gold and silver values from a 3-tonne batch of carbon into pregnant eluate solution. During the elution cycle, gold and silver are continuously extracted by electrowinning from the pregnant eluate concurrently with desorption. A complete desorption cycle will require approximately 18 hours.

After a batch of carbon has been transferred to the elution vessel, barren strip solution (eluant) containing sodium hydroxide and sodium cyanide is pumped through a heat recovery exchanger and direct in-line solution heater before being introduced to the elution vessel at a temperature of 135°C and a nominal operating pressure of approximately 340 kPa (50 psig). Final stripped-carbon gold and silver content is typically less than 160 grams per tonne of carbon.

Under normal operating conditions, barren eluant solution from the solution storage tank will pass through the heat recovery exchanger to be preheated by hot pregnant eluant leaving the elution column. The barren eluant solution then passes through the in-line solution heaters to raise the temperature up to 135°C.

The elution column contains internal stainless-steel inlet screens to hold carbon in the column and to distribute incoming stripping solution evenly in the column. Pregnant eluant solution leaving the elution column passes through external stainless-steel screens before passing a cooling heat exchanger to reduce the eluate temperature to about 75°C (to prevent boiling). The cooled pregnant eluate solution is then sent to the electrowinning cells.

After desorption is complete, the stripped carbon is pumped to either the kiln feed dewatering screen to dewater the carbon and remove fines before thermal regeneration or to the carbon distributor to be added back to the circuit.

17.8.4 Electrowinning

The electrowinning circuit will be operated in series with the elution circuit. Solution is pumped continuously from the barren eluant tank through the elution vessel, then through the electrowinning cells, and back to the barren eluant tank in a continuous closed loop process.

The gold and silver-laden solution exiting the elution column is filtered to trap any carbon escaping from the column; passes through the heat recovery and cooling exchangers to reduce the solution temperature to 75ºC, then flows to the electrowinning circuit.

Gold and silver are won from the eluant in the electrowinning cells using stainless steel cathodes and a current density of approximately 50 amperes per square meter of anode surface. Caustic soda (sodium hydroxide) in the eluate solution acts as an electrolyte to encourage free flow of electrons and promote the precious metal winning from solution. To keep the electrical resistance of the solution low during desorption and the electrowinning cycle, make-up caustic soda is occasionally added to the barren eluant tank. Barren eluate solution leaving the electrolytic cells flows by gravity back to the eluate storage tank for recycle through the elution column.

Periodically, all or part of the barren eluant will be dumped to the pregnant pond and new solution is added to the tank. Typically, about one-third of the barren eluant will be discarded after each elution or strip cycle. Sodium hydroxide and sodium cyanide are added as required from the reagent handling systems to the barren eluant tank during fresh solution make-up.

The precious metal-laden cathodes in the electrolytic cells will be removed periodically and processed to produce the final doré product. Loaded cathodes are transferred to a cathode wash box where precipitated precious metals will be removed from the cathodes with a pressure washer. The resulting sludge is then pumped to a plate-and-frame filter press to remove water and the filter cake is loaded into pans for mercury retorting.

17.8.5 Carbon Handling & Regeneration

The carbon handling and regeneration circuit will include all equipment required to store, prepare, transfer and regenerate carbon. The carbon preparation and storage system includes an 8 m^3 new / regenerated carbon storage tank, carbon fines storage tank, carbon fines filter press and carbon transfer pump. New and acid washed/regenerated carbon is stored in the carbon storage tank to be returned to the CIC circuit. New carbon being added will be soaked for a minimum of six hours in order to remove any entrained air bubble and reduce carbon overflow.

Thermal regeneration consists of drying the carbon thoroughly and heating it to approximately 760 °C for ten minutes in order to maintain carbon activity levels. Carbon is regenerated at a rate of 100 kg/hr with up to 50% of the carbon from each strip on average being regenerated.

Carbon from the desorption circuit to be thermally reactivated is dewatered on a static screen, transferred to the regeneration kiln feed hopper and fed to the regeneration kiln by a screw feeder. Carbon fines from the kiln dewatering screen are stored in a carbon fines storage tank, which will be periodically pumped through the carbon fines filter press; carbon fines from the filter press are stored in bulk bags for removal from the system.

Hot, regenerated carbon leaving the kiln passes into a water-filled quench tank for cooling before being transferred to the carbon storage tank using an eductor. Ultimately, quenched regenerated carbon is pumped to the CIC circuit to be loaded with precious metals.

17.8.6 Refinery

Cathode sludge from the filter press is dried and treated in a mercury retort to remove and recover any mercury that might be present. Sludge is placed into pans and heated in the retort for a minimum of 6 and up to 24 hours at about 480°C to volatilize the mercury.

A vacuum pump system removes mercury vapor from the retort oven and passes the vapor through a water-cooled mercury condenser. Condensed mercury is collected in a trap, and then transferred and stored in flasks. Cooled mercury-depleted vapor leaving the trap passes through a sulfur-impregnated carbon scrubber to remove any residual mercury and maintain final emissions below 0.15 milligrams mercury per cubic meter of air.

After mercury removal, dried cathode sludge is mixed with fluxes and is then fed to a tilting diesel fired furnace. After melting, slag is poured off into cast iron molds until the remaining molten furnace charge is mostly molten metal (doré). Doré is then poured off into bar molds, cooled, cleaned, and stored in a vault pending shipment to a third-party refiner. The doré poured from the furnace represents the final product of the processing circuit.

Periodically, slag produced from the smelting operation will be re-smelted on a batch basis to recover residual metal values. Reprocessed slag will be placed on the heap leach pad.

A hood collects the furnace fumes which pass through a bag house to remove particulates, then through an induced draft fan. The system will be designed to remove over 99.5% of the particulates present in the exhaust fumes.

17.8.7 Process Reagents and Consumables

The reagent handling system will include equipment used to mix and/or store all reagents required for the Brewery Creek process. Reagent mixing and storage will be at ambient temperature and pressure.

Average estimated annual reagent and consumable consumption quantities for the processing area are shown in Table 17-6.

Table 17-6
Projected Annual Reagents and Consumables

Item	Form	Avg. Annual Usage
Sodium Cyanide	1000 kg super sacks	668 t
Lime	Bulk Delivery Trucks	6,040 t
Activated Carbon	500 kg Supersacks	13.3 t
Sodium Hydroxide	Dry solid sacks	15 t
Antiscalant	Liquid Tote 1 m^3 Bins	552 t
Hydrochloric Acid 32%	Liquid Tote 1 m^3 Bins	50,000 L
Fluxes	Dry Solid Sacks	2.6 t

17.8.8 Sodium Cyanide

Sodium cyanide (NaCN) is used in the leaching process and will be delivered in 1000 kg supersacks. Raw water or barren process solution is used to partially fill the cyanide mix tank and a small amount of sodium hydroxide from the caustic mix tank is added to the tank prior to the addition of sodium cyanide briquettes. Caustic is added to the cyanide mix tank to ensure that proper alkaline pH is maintained minimizing the possible generation of toxic HCN gas.

An electric hoist is used to lift the supersacks to the top of the cyanide mix tank. A bag breaker system mounted above the mix tank is used to discharge cyanide briquettes into the mix tank, which is equipped with an agitator. The tank is designed to contain and dissolve sodium cyanide briquettes and yield a solution containing 20% by weight sodium cyanide.

Distribution of the high strength sodium cyanide solution is by metering pumps to points of use. All cyanide distribution lines will be double-containment, either by “pipe-within-pipe” or “pipe-overliner" containment systems. Cyanide consumption is estimated to average 0.27 kg per tonne processed, which varies by material type, plus approximately 35 kg per strip.

17.8.9 Lime

Pebble lime (CaO) is used to treat material to maintain an alkaline pH. Lime will be delivered in bulk by 20-tonne trucks, which off-load pneumatically into storage silos.

Lime consumption is estimated to average 2.4 kg/tonne processed and will vary depending on the material type.

17.8.10 Activated Carbon

Activated carbon will be used to adsorb precious metals from the leach solution in the adsorption columns. Make-up carbon will be 6 x 12 mesh and will be delivered in 500 kg supersacks. It is estimated that approximately 4% of the carbon stripped will have to be replaced due to carbon fines losses. Carbon consumption has been estimated at 13 tonnes per year.

17.8.11 Sodium Hydroxide (Caustic)

Sodium hydroxide (caustic) solution is prepared in an agitated caustic mix tank. Sodium hydroxide is delivered in dry sacks (25 to 50 kg). Raw water or barren process solution will be used to fill the mix tank and solid sodium hydroxide will be manually added to the tank for dissolution. The tank is designed to contain and dissolve solid NaOH flakes or pearls to yield a 20% by weight sodium hydroxide solution.

For elution, concentrated caustic solution is pumped to the eluant storage tank using a caustic transfer pump to produce a 2% by weight sodium hydroxide eluant solution. Sodium hydroxide consumption is estimated at 139 kg/strip cycle. Fresh sodium hydroxide for barren eluant make-up is pumped from the caustic mix tank directly to the eluant storage tank.

For carbon acid wash neutralization, concentrated caustic solution is pumped to the acid wash mix tank where it is mixed with raw water and circulated through the acid wash column. The estimated consumption for carbon neutralization is approximately 4 kg per 3 tonne carbon acid wash batch.

17.8.12 Antiscalant

Antiscalant is used to prevent the build-up of scale in the process solutions and heap irrigation lines. Antiscalant is added directly into pipelines or tanks, and consumption will vary depending on the concentration of scale-forming species in the process stream. Antiscalant is delivered in liquid form in 1 m^3 tote bins.

Antiscalant is added directly from the supplier tote bins into the pregnant, barren, and desorption pumping systems using variable speed, chemical-metering pumps. On average, antiscalant consumption is expected to be about 6 ppm of for leach solutions and 10 ppm for strip solutions to be treated.

17.8.13 Hydrochloric Acid

Hydrochloric acid is used in the acid wash section of the elution circuit prior to desorption. Hydrochloric acid (32% by weight, 1.16 s.g.) is delivered in 1 m^3 tote bins. Acid washing consists of circulating a dilute acid solution through the bed of carbon to dissolve and remove scale from the carbon. Acid washing of carbon will be done before each desorption cycle. Consumption of 32% HCl has been estimated at 450 L per strip.

17.8.14 Fluxes

Various fluxes are used in the smelting process to remove impurities from the bullion in the form of a glass slag. The normal flux components are a mix of silica sand, borax, and sodium carbonate (soda ash). The flux mix composition is variable and will be adjusted to meet individual project smelting needs: fluorspar and/or potassium nitrate (niter) are sometimes added to the mix. Dry fluxes are to be delivered in 50 lb bags. Average consumption of fluxes has been estimated to be 1.0 kg per kg of gold and silver produced.

18.0 PROJECT INFRASTRUCTURE

18.1 Infrastructure

18.1.1 Existing Installations

Infrastructure remaining from the previous operations at Brewery Creek include a paved and gravel site access road from Dawson City, various site roads, heap leach pad, process solution ponds (partially reclaimed), recently expanded man camp facilities with capacity for up to 110 people, administrative building (originally maintenance shop), sewage disposal system, diesel and gasoline storage tanks and diesel generator.

All other infrastructure from the previous operations including the recovery plant building, site laboratory, electrical power line and water distribution systems were removed as part of site reclamation efforts and will need to be replaced for new operations.

18.1.2 Access & Site Roads

The Brewery Creek site is accessible year-round from Dawson City by paved and gravel roads which include 40 km on the paved Klondike highway, 8 km on the Dempster highway, 20 km on the upgraded North Fork Road and a 6 km gravel road to the mine site. The access road is in good condition and is partially maintained by the Yukon Government.

An existing network of dirt and gravel roads connect the various areas of the project site and exploration areas. The existing roads have been maintained and may be used for the planned operations with only minor repairs or improvements.

18.1.3 Haulage Road

Haul roads from previous operations have been partially reclaimed and will need to be re-established for mining to resume. New haulage roads will need to be constructed for access to the Bohemia, Schooner and East and West Big Rocks deposits.

Hauls roads will be constructed to allow for two lane traffic, except for in-pit roads, which will be for single-lane travel only. Double-lane haul roads will be 20.1 m in width and single-lane haul roads will be 13.4 m in width.

18.2 Project Buildings

Site buildings for the Brewery Creek project will be prefabricated, insulated steel or fabric buildings. Buildings considered for the project include:

- Administration building (existing)
- Truck shop
- Camp facilities (existing)
- Recovery plant building
- Laboratory building
- Process maintenance workshop

18.2.1 Administrative Building & Maintenance (Existing)

The existing administrative building is a 15 m x 24 m steel building with two levels which was used as the maintenance building during the original site operations. The ground floor level is primarily open and is currently being used to house core samples for current exploration drilling with the second level housing offices and bathroom facilities.

For the planned project, this building will continue to be used for the main administrative building. The core samples currently being stored in the ground floor area will be relocated which will allow for this space to be used as warehousing.

18.2.2 Truck Shop

The mine truck shop will be an insulated steel-sided building with three bays which will be utilized for fleet maintenance. An office, lunch room, men and women's washrooms, a storage area and firewater supply and distribution will also be included. An attached wash bay will be used for washing mine equipment. Adjacent to the wash bay will be an oil skimmer to collect the oil in the wash water from the wash bay.

Crane work will be conducted within the mine truck shop with a 10-tonne overhead crane. Maintenance fluids will be distributed to each bay by the means of lubrication stations, each with a supply of compressed air, clean water, grease oils and lubricants.

18.2.3 Camp Facilities (Existing)

An existing camp facility made up of interconnected prefabricated trailers is currently being used for exploration activities at site. The existing camp has capacity for 45 people and includes bathroom and kitchen facilities.

The existing camp was recently expanded to allow for up to 110 people living at site; however, minor works are still being completed on the camp expansion and is currently not in use.

18.2.4 Recovery Plant Facility

The recovery plant facility will be a 1,050 m^2, insulated steel walled building and has been designed based on the original recovery plan operated at the project site. The recovery plant facility will contain all of the recovery plant equipment including the carbon adsorption circuit, desorption circuit, electrowinning circuit, acid wash circuit, reagent mix and storage systems and carbon handling equipment as well as the refinery and power generation systems. The recovery plant building will have three rollup doors, six man-doors. The facility will include all necessary eyewash/safety shower water and firewater provisions.

18.2.5 Laboratory

A laboratory facility will be constructed near the recovery plant and will process samples from the heap and process. Chemical and fire assays for full support to the operation will be provided and operated by the owner. This insulated, steel walled facility will include a wet lab, atomic adsorption and fire assay capabilities to have the capacity for 125 assays per day. Doré samples will be assayed at the onsite lab and then later by a third party at an external lab. The laboratory will include all necessary eyewash/safety shower water and firewater distribution.

18.2.6 Process Maintenance Workshop

Process equipment will be repaired and maintained in a process maintenance workshop. The process workshop will be an insulated steel building which will be located near the recovery plant. The process workshop will include an open shop area, washroom, a break room, an office and a tool room. The work shop will be equipped with air supply and distribution, welding plug sockets, wash water and firewater supply and distribution. The process maintenance workshop will also have a fenced laydown yard.

18.2.7 Reagent Storage

The reagent storage facility will be a bermed containment area with a steel shed roof located near the recovery plant building. The reagent storage will be used to store sodium cyanide, caustic, antiscalant, hydrochloric acid and fluxes. Hydrochloric acid will be stored in a separate bermed area to prevent any contact with the sodium cyanide.

18.2.8 Fuel Storage

The main diesel storage facility will consist of two project-owned 100-m^3 storage tanks which will be insulated and heated to prevent fuel gelling. The fuel storage facility will be complete with fuel dispensing systems and will be located near the recovery plant. Fuel will be delivered to the mine site via tanker trucks. All storage tanks will be placed in a 110% capacity concrete containment to assure no fuel is leaked to the environment. Diesel fuel is primarily consumed by the power generation system and mobile support and reclaim equipment. The fuel storage system has been designed to store approximately 5 days worth of fuel during normal operations when all crushing and heap reclaim equipment are operating.

18.3 Power Supply, Communication Systems & IT

18.3.1 Power Generation

Power supply for the Brewery Creek Project will be generated on site using four each 1,100 kW diesel generator units. Power will be generated and distributed at 4160 V, 3 phase, 60 Hz. The generator system has been sized for the estimated demand of 2.3 MW during the primary operating season with consideration for winter operations when only heap irrigation, recovery plant and related processes are operating. The peak demand is estimated based on detailed electrical loads with estimated utilization and demand factors.

The general operating philosophy for the site power plant will be that three of the generators will normally be running with one on standby. As loads routinely fluctuate (for example when the stacking conveyors are down for a new stacking arrangement) the generators will automatically switch to fewer generators operating as required to maintain maximum efficiency. In the event of an upset condition, non-critical loads will be shut down to ensure there is enough generator capacity to operate critical systems which includes the process solution pumping equipment.

Adjacent to the generator machines there will be a switchgear with all of the synchronization, control panels, disconnects, circuit breakers, instrumentation, data logging, and 1,600-amp bus.

The generators will be provided fuel from a fuel day tank with 7,600-L capacity (approximately 6 hours at normal operating demand) and will each have horizontal air coolers. Two 100-m^3 horizontal diesel storage tanks are also included to ensure adequate fuel supply is available to operate the generators. Each generator will also have a plate and frame heat exchanger which will scalp waste heat from the generators to heat process solution during winter operations.

18.3.2 Site Distribution

Power distribution around the process plant and facilities will be by overhead powerlines at 4160 V, 3 phase, 60 Hz and will be stepped down to 480 V, 220 V and 110 V as required. Power will primarily be supplied at 480 V or 220/110 V to motor control centers or distribution panels in their respective areas. Power to the conveying stacking system will be supplied at 4160 V and stepped down to 460 V using on board transformers for each conveyor. All overhead distribution power lines will be connected to the main switchgear.

18.3.3 Estimated Electric Power Consumption

The estimated electrical power demand for the life of the Project is presented in Table 18-1.

Table 18-1
Power Demand

Area Description	Attached Power (kW)	Average Demand (kW)
Area 0110 – Site & Utilities General	22	13
Area 0113 – Crushing	1,361	799
Area 0115 – Heap Conveyor Stacking	946	423
Area 0120 – Heap Leach & Solution Handling	387	84
Area 0128 – Recovery Plant	1,001	691
Area 0131 – Electrowinning & Refining	108	46
Area 0134 – Reagents	23	13
Area 0360 – Power Generation	26	5
Area 0367 – Mobile Equipment		
Area 0362 – Water Distribution	216	122
Area 0365 – Laboratory	244	146
Total	**4,334**	**2,333**

Note: Minor Difference in Totals Due to Rounding

18.3.4 Communications

A communication system is currently in place at the project site which should be sufficient without any significant upgrades. The current system includes radios with fixed stations at the camp and offices as well as hand held and vehicle mounted units and external communications provided by satellite link-up providing both voice and data communications.

18.4 Water

18.4.1 Water Supply & Distribution

Raw water for process requirements and makeup water will be primarily taken from the basin at Laura Creek and pumped to a head tank for distribution to other areas. A portion of the head tank will be used to provide fire water storage.

Water from the head tank will be distributed to a water storage tank at the Recovery plant and other project areas by transfer pumps. Water piping will be a combination of buried and insulated / heat traced pipes to prevent freezing.

18.4.2 Potable & Domestic Water

A potable water treatment plant will be installed at the camp and will also service the nearby offices and operation facilities.

18.4.3 Fire Water

The fresh water tank located in the recovery plant will supply fire water to the automatic sprinklers, standpipe systems and hydrants in the recovery plant area, including the laboratory building and process workshop.

18.4.4 Surface Water Management

Water runoff from upstream of developed property will be diverted around the mine operations and allowed to return to natural drainage locations. Contact solution from the recovery plant and leach areas will be collected and stored in the process solution ponds until they can be returned safely to the process.

18.5 Sewage

Sewage from current operations is treated in a sewage disposal system consisting of septic tank system with leach field which may need to be expanded for the planned operations. Waste from the process area and laboratory will be collected in septic holding tanks and removed from the site by sanitary services.

19.0 MARKET STUDIES & CONTRACTS

No market studies were completed and no contracts are in place in support of this Technical Report. Gold and silver production can generally be sold to any of a number of financial institutions or refining houses and therefore no market studies are required.

It is assumed that the doré produced at Brewery Creek will be of a specification comparable with other gold and silver producers and as such, acceptable to all refineries.

Gold and silver produced by the Brewery Creek Project would be sold to refineries or other financial institutions and the settlement price would be based on the then-current spot price for gold and silver on public markets. There would be no direct marketing of the metal. The base case financial model for the Project utilizes a gold price of US$1,700/oz.

20.0 ENVIRONMENTAL STUDIES, PERMITTING AND SOCIAL OR COMMUNITY IMPACT

20.1 Environmental Assessment and Permitting

20.1.1 Overview

Prior to construction or operational activities taking place in Yukon, a mining project essentially has to complete three major steps: the collection of a robust environmental and socio-economic baseline dataset; the successful completion of an assessment and a positive record of decision regarding potential effects of the project on valued environmental and socio-economic components; and, the application for and acquisition of regulatory approvals.

20.1.2 Completed Environmental Assessments

At least seven separate environmental assessments have been completed for the Brewery Creek Mine. The initial assessment was completed under the Environmental Assessment and Review Process Guidelines Order (EARPGO). The subsequent assessments, many of which were required for amendments to the former Water Use License (WUL), were required under the Canadian Environmental Assessment Act (CEAA). The environmental assessments that were conducted are as follows:

1. EARPGO Screening triggered by Loki Gold Corp – Report dated April 28, 1995 – original screening of Brewery Creek Mine;
2. CEAA Screening triggered by VLB Resources Corp – Report dated May 21, 1997 – for WUL Amendment QZ96-007;
3. CEAA Screening triggered by Viceroy Minerals Corporation - Report dated February 25, 1999 – for WUL Amendment QZ98-032 (extension of time to submit Decommissioning and Reclamation Plan);
4. CEAA Screening triggered by Viceroy Minerals Corporation – Report dated May 11, 1999 – for WUL amendment QZ98-038;
5. CEAA Screening triggered by Viceroy Minerals Corporation – Report dated August 5, 1999 – for WUL Amendment QZ99-041;
6. CEAA Screening triggered by Viceroy Minerals Corporation – Report dated August 10, 2001 – for WUL Amendment QZ01-050; and
7. CEAA Comprehensive Study triggered by Viceroy Minerals Corporation – Report dated July 31, 2003 – for WUL Amendments QZ03-060 and QZ03-062.

As the Brewery Creek Mine was the first mining project in Yukon to utilize heap leach technology for material processing and metals recovery, significant effort was undertaken by assessors to review the technology and the applicability to northern site conditions.

The assessment issues raised generally fall into the following categories: heap area, water, and general environmental effects. Of note is the focus on the heap leach pad liner systems, leak detection and recovery system (LDRS) and heap solution management. Decommissioning and reclamation of the heap, treatment, and release of heap effluents at closure and effects to downstream aquatic receiving waters were also reviewed extensively.

Sabre Gold has carefully considered each of the assessment issues raised, and the operational experience gained at Brewery Creek Mine regarding them. Sabre Gold has reviewed the facilities designs and construction, project operational plans and manuals, and monitoring programs and results as reported in the Annual Reports for the WUL and QML. All this information has informed Sabre Gold's plans for submission of a new project proposal for an updated assessment by YESAB.

20.1.3 Additional Licenses and Authorizations

The table below provides a list of Licenses and authorizations Sabre Gold holds.

Table 20-1
Sabre Gold Licenses and Authorizations for Brewery Creek Mine

License Type	Date Issued	Expiry Date	Agency Responsible
LQ00364 – Quartz Mining Land Use Permit	July, 2012	July 5, 2022	Yukon Energy, Mines and Resources
MN12-038 – Type B Municipal Water License	August, 2012	July 5, 2022	Yukon Water Board
81-047 – Commercial Dump Permit	October, 2019	December 31, 2028	Yukon Environment
2021-19 Fuel Storage Tank System Permit	July 2021	September 2026	Yukon Fire Marshall & Yukon Environment

20.1.4 Additional Environmental Assessment and Permitting

The Yukon Environmental and Socio-Economic Assessment Act includes certain triggers related to the alteration of a project that subsequently require assessment of a project to ensure environmental and socio-economic values can be protected. As the former mining licenses expired on December 31, 2021 Sabre Gold is developing a new project proposal to cover the activities contemplated in the PEA and will submit to the Yukon Environmental and Socio-Economic Assessment Board (YESAB) in early 2022.

20.2 Environmental And Socio-Economic Baseline Studies

20.2.1 Climate

Brewery Creek Mine is located in a region classified as subarctic climate. Typical of northern interior regions, most of the precipitation occurs in summer and temperatures can have extreme variability, with warm summers and prolonged cold spells in winter. The average annual precipitation is approximately 329 mm and there are approximately 111 frost-free days. The average temperatures range from 15°C in July to -26°C in January with temperatures commonly approaching 30°C in the summer and -40°C in the winter. Evaporation is a key fraction of the water balance in the summer months, with the highest monthly evaporation occurring in June.

Climate data for the region is available from several stations at or near the Brewery Creek Mine area including Dawson, Mayo and Midnight Dome as well as other relevant long-term data from other areas within the Yukon (e.g., Whitehorse). Historical Project climate data has been sporadically available from 1991 to 2011. In November 2011, an automated station was installed above the Heap Leach Pad onsite. The station has a 10 second scanning interval and records climate data hourly and daily.

20.2.2 Temperature

Based on climate data from the Brewery Creek Mine station from February 2012 to the end of 2020, average annual temperatures have ranged between -3.3 to 0.5°C. June is typically the warmest month with average monthly temperatures ranging from 11.5°C – 15.7°C. Generally, January is the coldest month where average monthly temperatures range from -24.7°C - -9.1°C.

During the period of record the maximum recorded temperature on site was 29.3°C in June 2013 and the minimum temperature recorded was -38.9°C in December 2012.

20.2.3 Precipitation

An analysis of rainfall data recorded at Brewery Creek Mine station from February 2012 to the end of 2020 yielded annual total rainfall depths of 118 mm (minimum), 220 mm (average) and 299 mm (maximum). An analysis of total precipitation recorded at Brewery Creek Mine from May 1991 to October 2012 yielded annual total precipitation depths of 184 mm (minimum), 335 mm (average) and 467 mm (maximum), based on years with precipitation data recorded in each month. Precipitation generally occurs as snow from October to April and as rainfall from May to September.

The snowpack accumulates until April up to SWE of approximately 129 mm with the highest snowfall occurring in April. Spring runoff typically occurs in May; however, the highest rainfall generally occurs in July.

20.2.4 Wind Speed and Direction

The predominant wind direction at the Brewery Creek Mine station is from the south-east. Wind speeds average from 2.2 m/s – 2.6 m/s on an annual basis. The maximum recorded gust speed at site was 17.97 m/s.

20.3 Surficial Geology and Soils

20.3.1 Surficial Geology and Soils

The Property is located on the western edge of the epicratonic Selwyn Basin, which is bound on the south-west by the Tintina Fault and on the north by the Dawson Thrust Fault (Gordey and Makepeace, 2001). The Selwyn Basin stratigraphy consists of late Proterozoic to Paleozoic marginal basinal and platformal clastic and pelitic sediments derived from the North American Craton. Various aged volcanic and intrusive rocks are stratabound within the sediments. During the Proterozoic, and again in the late Devonian, the basin was subjected to rifting. This rifting was accompanied by the emplacement of the volcanics and emplacement of thick sills of intrusive rocks.

By late Jurassic, the rocks of the Intermontane Belt of the Cordillera collided with the passive margin of the North America Shelf, causing compressive tectonics (Murphy, 1997). This resulted in crustal shortening, tight folding, and thrusting. Three regionally stacked thrust panels were formed separated by the Robert Service, Tombstone and Dawson thrust faults (from oldest to youngest) (Murphy, 1997). This thrusting has mainly affected the Intermontane and Omineca belts.

Colluvial deposits cover almost 100% of the natural terrain. The long period of exposure of surfaces to weathering, frost-shattering and soil creep has resulted in well-developed colluvial veneers on most surfaces overlying weathered bedrock (regolith). Soil texture of colluvium is typically granular. In areas underlain by quartz monzonite bedrock, colluvium was typically gravelly sand. Silt typically forms an increased proportion of the soil content in areas underlain by shale.

In many areas the colluvial veneer (up to 1 m thick) is overlain by a thin veneer (typically less than 0.3 m thick) of organic soil, humus and the dense root layer of ground vegetation and peat. Some thickening of organic soil cover is expected on the lower slopes and floors of stream valleys.

Bedrock observed is mostly shale and quartz monzonite. The project area is within a region that was unglaciated during the last (Late Wisconsinan) glaciation (Duk-Rodkin, 1995). Overburden in these unglaciated regions typically consists of a veneer (up to 1 m thick) to blanket (1 m to 3 m thick) of deeply weathered bedrock underlying colluvium. Near-surface shale was very fissile and soft. Shallow quartz-monzonite was friable and near the surface formed regolith (loose sand and gravel fragments of remnant rock particles).

The project area was generally moderately well drained, correlating with the typical coarse-textured colluvium and underlying regolith. Moderately drained areas were observed at some lower slopes and floors of stream valleys, often associated with those areas more likely to be underlain by permafrost.

Geomorphological processes include slow soil creep on the middle to lower slopes of some stream valleys and minor sloughing along some eroded stream banks. There were no indications of active rapid mass movement processes observed. Some minor sloughing on fill slopes of existing waste piles appears to have occurred in the past, but these do not appear to be active.

20.3.2 Permafrost

The majority of the area is judged to be free of permafrost; however, subsurface data to confirm permafrost is limited. Permafrost in the study area is discontinuous and is probable on most lower slopes and floors of the moderately steep (50% to 70% gradient), V-shaped stream valleys. There is a moderate to high probability of permafrost on north-facing, mid-elevation, and some upper-elevation stream valley side slopes. Vegetation indicators of permafrost are thick moss ground cover and forest cover dominated by Black Spruce, often showing signs of stress (leaning or toppling) due to the limited rooting depth in a shallow active layer.

Field verification in hand test pits at field stations established during ground-truthing, and in hydrogeological investigation boreholes, confirmed the presence of discontinuous permafrost on lower elevation slopes and floors of stream valleys and on mid-elevation to upper-elevation north-facing slopes.

Permafrost degradation in fine-textured, ice-rich soils can result in unstable slopes. However, soil profiles observed on road cuts and in hand test pits indicate that surficial material below the thin veneer of organic soil is generally coarse-textured and thus is expected to be ice-poor and relatively thaw-stable. Waste rock dumps of coarse sand, gravel and boulders placed during historic mining appear relatively stable; however, most were placed on south-facing slopes where the likelihood of permafrost is low.

20.4 Hydrology

The hydrology of the region is generally characterized by large snowmelt runoffs during freshet in May, which quickly taper off to low summer stream flows interspersed with periodic increases in stream flow associated with sporadic rainfall events during July and August. The pattern of low stream flows punctuated by high stream flows associated with rain fall events continues throughout the summer to freeze up in October.

In larger streams, base flows are maintained below river/creek ice throughout the winter by groundwater contributions. Smaller streams tend to dry up during the late summer or fall, as flow generally goes subsurface when the groundwater table drops to seasonally low levels. Aufeis (or overflow/ glaciation) ice may build in certain places in stream channels if groundwater emerges during winter.

20.5 Surface Water Quality

In 2019 and 2020, historical and trends studies were completed for surface water quality in Laura, Lucky and Golden creeks as well as the South Klondike River. Kokanee and Golden pits were included in the studies as these are the only pits within the area that contain water.

The historical and trends study of Laura Creek focused on 14 sites. Historically, Laura Creek has observed exceedances in Arsenic, Zinc and Copper; however, concentrations of these parameters have remained below Canadian Council of Ministers of the Environment (CCME) Guidelines since 2007. Selenium is naturally elevated in the region resulting in a need to develop a SSWQO in the 1996 permitting process. Suspended solids tend to remain below reference values but do display a season pattern with increases during spring run-off.

From the trends study, Antimony, Nitrate and Sulphate display an increasing trend, including at monitoring stations located upstream of the Brewery Creek permit boundary on Pacific Creek, Lee Creek and the South Klondike River. Potential sources for the observed increases are the 2004 fire, the heap leach pad, process ponds and/or discharge events to the land application area. Potential pit and waste rock influence is difficult to determine as surface water quality results focus on the lower portion of Laura Creek below the Heap Leach Pad.

The historical study of three sites within Golden and Lucky creeks displayed that the major parameters of interest (ammonia, arsenic, selenium) are relatively stable at or below CCME Guidelines. The trends study determined that upward trends for Nitrate, Sulphate and Antimony were detected however do not exceed relevant guideline limits.

Two sites in the South Klondike River were analyzed during the historical and trends studies. Historically, data for parameters of interest are generally lower than elsewhere on the property and typically below CCME Guidelines and reference conditions thresholds. The trends analysis displayed upward trends for Ammonia, Nitrate and dissolved Sulphate. Antimony displayed an upward trend only at the Klondike River monitoring station located downstream of the site with a decreasing trend at the monitoring station located upstream of the site.

Pit and Waste Rock Storage Area surface water quality data is limited with no analysis completed for Canadian or Fosters pits. Since 2006, Lucky Pit water quality data was recorded only once in 2013 and no water has been observed in subsequent years. Golden Pit still retains water however data has not been collected since 2017. From the historical study, in general, pit water chemistry was reported to relatively be stable with no identifiable trends toward metal leaching and/or acid rock drainage (ML/ARD). It should be noted that the historical data used to evaluate ML/ARD potential is intermittent and may not accurately represent geochemical properties of proposed waste rock storage areas. The low potential of ML/ARD should be confirmed through a geochemical characterization study of rock that will be mined as part of proposed site redevelopment/expansion.

From the trends study, Ammonia, Nitrate and dissolved Sulphate at Lucky Pit display a downward trend after mining activities. Antimony did appear to have a downward trend between 2001 and 2007; however, the last sample collected in 2013, which may be erroneous, indicated a steep rise.

Ammonia and Nitrate results at Golden Pit are variable but generally display a downward trend whereas dissolved Sulphate and Antimony display and upwards trend.

From the trends study, Ammonia, Nitrate, and Antimony at the Kokanee Pit display a downward trend after mining activities. Sulphate displays an upward trend since the end of mining activities, consistent with the upward trend observed at BC-31 over the same time period. It should be noted that the CCME aquatic guidelines do not currently have an objective for Sulphate; however, a maximum Sulphate concentration of 429 mg/L for the ‘Very Hard’ water hardness category anticipated at Brewery Creek Mine is included in BC’s Approved Water Quality Guidelines for Aquatic Life. The Sulphate concentrations measured at Kokanee Pit did not exceed 429 mg/L and an exceedance of 429 mg/L is not projected to occur for over the next 10 years based on the current trend.

Existing water and mass balance models will be refined during the pre-feasibility and/or feasibility study levels to simulate water quantity and quality at key locations around the side based on conditions estimated during the proposed mining phases.

20.6 Fisheries

Baseline fish and fish habitat information was gathered from existing reports, government databases and field studies completed in 1991, 1993, 1994, 1997, 1998, 2001 and 2012. Field studies concentrated on watercourses located within the Brewery Creek Mine area to determine fish distribution, abundance, and seasonal use of the fish communities present. Fish characterization (e.g., tissue metal concentrations) and habitat were also studied.

This report concentrates on Laura, Golden and Lucky creeks as well as the South Klondike River. During studies, no fish were captured and/or observed in Lucky Creek as there were numerous potential barriers. Habitat in Lucky Creek was classified as low quality.

Laura Creek was classified as moderate habitat quality however water travels subsurface before joining the South Klondike River creating a natural barrier. The 1997/98 studies determined that Laura Creek was a fish bearing stream as fish were observed near the confluence with the South Klondike River.

During studies, the lower reaches of Golden Creek (beaver dams present 200m upstream of confluence with South Klondike River) as well as the South Klondike River were classified as high habitat suitability and four fish species were captured and/or observed including Chinook salmon (Oncorhynchus tshawytscha), Arctic grayling (Thymallus arcticus) slimy sculpin (Cottus cognatus) and burbot (Lota lota).

Other fish species have been documented in the South Klondike River including Chum salmon (Oncorhynchus keta), inconnu (Stenodus leucichthys), round whitefish (Prosopium cylindraceum), and longnose sucker (Catostomus catostomus) (DFO, 2011; Norecol Dames and Moore, 1993). No freshwater fish species on Schedules 1 or 2 of the Federal Species at Risk Act (SARA) are present within the Brewery Creek Mine area or the Yukon Territory (Government of Canada 2012).

Fish tissue from both Arctic grayling and slimy sculpin were tested for metal concentrations. Analysis revealed that, even though some metals were higher relative to other databases, metals were within acceptable limits.

Additional fishery studies were completed in 2021 by Environmental Dynamics Inc. to corroborate the previously completed studies.

20.7 Wildlife

Baseline wildlife information for Brewery Creek Mine was gathered from formal surveys completed in 1993, 2009 and 2012 as well as incidental observations documented in site wildlife logs. Mammals present include ungulates (moose and woodland caribou), bear (grizzly and black), and small to medium species such as wolves and red fox.

Trapping data from 1983 – 1993 indicate that there are thirteen species of furbearers present with site observations of species such as American marten, beaver and Canadian lynx.

Avifauna is not well documented on site however red-tailed hawk, ptarmigan, trumpeter swan and cliff swallows have been observed.

Wildlife surveys were completed by Environmental Dynamics Inc., in spring of 2021 to support the previous studies completed at Brewery Creek which include, avian, Bat (autonomous recording units) and ungulate.

20.8 Vegetation

The preliminary vegetation information collection in the Brewery Creek Area commenced in 1988. Forty-three characteristic vegetation communities were identified many of which were classified as pre-climax conditions due to the fire cycles and annual floods. The baseline vegetation and metals concentration levels are generally defined by geology, fire, and slope orientation. The primary vegetation community types were identified: riparian, black spruce (Picea mariana), birch (Betula neoalaskana), or aspen (populous tremuloides), white spruce; willow (Salix spp.) and scrub birch (Betulosa glandulosa) which were identified in valleys and sub-alpine zones respectively.

A listing and description of vascular plant species currently considered to be rare in the Yukon was acquired from the Yukon Conservation Data Centre, Government of Yukon. No rare plant species from this listing were identified on the property.

Much of the Brewery Creek Mine claim block has been burned by forest fires in recent years. The most significant fires occurred in 1989, 2004 and 2010. The 1989 fire burned a large area to the east of Golden creek while the 2004 fire, the largest in the Brewery Creek Mine area, covered most of the area between Laura Creek and South Klondike River while the 2010 fire burned minor areas in the northeast corner of the Brewery Creek Mine Claim block.

The disturbed areas of the Brewery Creek mine sites were revegetated by Viceroy and Alexco during mining and decommissioning. Areas were revegetated with grass, clover, and alfalfa and now are heavily colonized in areas. As well, naturally occurring revegetation in some areas of the mine, occurred and the predominant vegetation is alder, poplar and aspen are the most prolific pioneering shrub species. The revegetated areas were annually assessed (2005-2009) as part of the Water License. Details of the completed assessments were submitted in the annual reports to the Yukon Territory Water Board.

20.9 2.10 Heritage, Historic and Paleontological Resources

Several heritage assessments have been completed within the current project footprint. A summary of these assessments is provided in Table 20-2.

Table 20-2
Completed Heritage Assessments

Permit	Year	Description
16-11ASR	2016	Heritage assessment of the Brewery Creek Property.
N/A	2012	Heritage Resources Overview Assessment for the Brewery Creek Property.
95-08ASR	1995	Archaeological assessment of site LaVh-10.
95-20ASR	1995	Archaeological assessment of earthen mound features within Brewery Creek claims area.
94-21ASR	1994	Historic Resources Assessment of Loki Gold’s Brewery Creek Project.
94-01ASR	1994	Heritage Resources Overview: Brewery Creek Project on behalf of Loki Gold Corporation

The 1994 survey identified a site LaVh-10 that required further heritage assessment, which was completed in 1995. The survey indicated LaVh-10 had been substantially disturbed by past use of heavy equipment. The 2012 and 2016 heritage overview and assessments identified thirteen heritage sites that are within or adjacent to (within 1 km) Brewery Creek property.

In 2016, a palaeontologic resource overview assessment (PROA) was completed for the entire Brewery Creek property. The results of the PROA indicated that areas of fluvial and glaciofluvial deposits along the watercourses within the Brewery Creek property have potential to yield remains of Pleistocene (ice age) mammals.

A heritage resources management plan has been constructed, approved to manage, and protect these heritage, historic and paleontological resources.

20.10 Social Environment

20.10.1 First Nation of Tr'öndek Hwëch'in

The project falls within the traditional territory of the Tr'öndek Hwëch'in (THFN) and is in proximity of two (2) THFN land selections R22 and R27. THFN have a strong connection with the area and continue to make use of the aquatic and terrestrial environment. The property is near the margins of the traditional territory of the First Nation of Na-Cho Nyäk Dun (NND) and is over 100 km away from any NND land selections.

The Tr'öndek Hwëch'in commenced the land claim process in 1991 and their final agreement came into effect on September 15, 1998. They have an elected government of a Chief and councilors who are advised by an elder's council. There are approximately 1100 Tr'öndek Hwëch'in citizens with 1/3 residing in Dawson City, Yukon. Tr'öndek Hwëch'in has developed a mining mandate which supports mining that does not compromise the environment, their culture, community and/or their aboriginal rights. The Land of Plenty Camp (R22), located next to the North Fork Road, is a continually used camp where various cultural activities and programs are held.

20.10.2 Tr'öndek Hwëch'in Socio-Economic Accord

The company restated and amended the socio-economic accord in 2012 with THFN with a subsequent revision occurring in 2016. The agreement serves to ensure that the relationship between the company and THFN is mutually beneficial to both parties while protecting the inherent interests of THFN. Through this agreement, an advisory committee will be constructed with THFN representatives and the company. The Corporate Social Responsibility Strategy elaborates on the Socio-Economic Accord and emphasizes the importance of communication, employment, economic development, and training provisions.

20.10.3 Dawson City, Yukon

The discovery of gold in the Klondike Valley in 1896 led to the establishment of Dawson City, the subsequent Klondike Gold Rush and for a short time, Dawson City was the capital of the Yukon Territory. By the summer of 1898, Dawson City was the largest City west of Winnipeg, Manitoba.

Dawson City, Yukon is located 536 km north along the Klondike Highway from Whitehorse Yukon and is the second major community in the Yukon Territory. The Yukon Bureau of Statistic estimates the Dawson City population to be approximately 2, 220 people. However, it should be noted that the population increases in the spring, summer and fall due to season activities such as mining and tourism.

The area has a diverse economy which includes: hard rock mining, placer mining, tourism and agricultural. Next to private industry the various governments, municipal, territorial, federal, and self-governing First Nations is an important employer within the region.

Dawson City offers a host of services, an airport which is serviced by Air North, fuel stations, mechanics, stores, hospital and a variety of other facilities to support the community.

20.10.4 Traditional Activities and Culture

Through Chapter 11 of the Tr'ondëk Hwëch'in Final Agreement the Dawson Regional Planning Commission Draft Plan (June, 2021) was constructed to ensure sustainable development can occur while ensuring resilient economic development occurs for current and future generations. As well, it was constructed to ensure the ecological integrity of the environment and culture and heritage values are maintained.

The Tr'ondëk Hwëch'in people continue to participate in traditional land use activities. The area is used by THFN for hunting, fishing, medicine, traditional knowledge, trapping, camps, caches, trails, and travel routes. Trapping provides economic benefits for their operators. These activities are vitally important for the perseverance of the THFN peoples.

THFN peoples reply on traditional food found around the project areas such as moose and grouse. These traditional foods are shared with those who may not be able to obtain it themselves (e.g., Elders). THFN offers numerous land-based program activities including, day trips for medical harvesting, cultural orientation, elders in residence program, land steward program, the Land of Plenty which offers a first hunt camp for youth and the Dänojà Zho Cultural Centre which is a meeting place for various cultural activities.

20.10.5 Trapping

The Project lies within Registered Trapline Concession (RTC) 23, a group trapline, owned by the Frasier family who live in Dawson City. RTC 29, also a group trapline, is located to the west of the Dempster Highway. RTC 31 is a single trapline located southwest of the project area, north of the Klondike Highway and west of the Dempster Highway.

20.11 Closure

The objective for the Brewery Creek project is to work towards a passive or “walk-away“ closure. This involves, progressive reclamation, an orderly winding down of operations and mitigation of environmental concerns coupled with long-term monitoring and adaptive management so that, eventually, the company can safely cease management of the site with confidence that its environmental obligations have been fulfilled and its liability is ended.

Both the future water license and quartz water licenses will require the submission of a detailed reclamation and closure plans (requiring board approval) prior to the onset of mining and/or shortly after the commencement of mining/water use. The reclamation and closure planning required by both regulatory agencies also requires third party estimate submissions with updates required annually.

The closure plan would describe the approved covering and revegetation of all land surface disturbances except for the open pits, the detoxification of the process ponds, revegetation of the HEAP leach pad and the subsequent monitoring of the project to ensure the goal of “walk-away” closure is achieved.

Closure will consist of the following factors:

- Terrain Stability;
- Erosion Control;
- Revegetation;
- Roads and Trails;
- HEAP Closure Components;
- Buildings; and
- Waste Rock Management

1. Terrain Stability
   A. Slope stability is demonstrated through the absence of landform features such as slides, cave-ins, slumping, gullies, potholes, overhangs etc.
   B. Reclaimed slopes angles are less than angle of repose.
   C. Any slopes exceeding angle of repose (pit walls) must be demonstrated to be stable.
   D. Access to pit walls is restricted where they pose a threat to safety.

2. Erosion Control
   A. Slopes are stabilized by contouring and leveling to provide landforms which match the surrounding terrain and provide suitable seedbeds.

B. Lack of erosion features on re-sloped surfaces such as gullies and rills.
C. Run-off is diverted away from steep slopes (pit walls).
D. Vegetative mat is sufficient to control erosion.
E. Adequate growth media (fines) is present to sustain re-vegetation.
F. Pit ponds are in place where water could collect.
G. Pit pond decants are in place.

3. Re-vegetation
   A. Vegetation is self-sustaining and composed of native seed mixes identified in the 2012 Revegetation Manual.
   B. The vegetative cover is capable of self-regeneration without continued dependence on fertilizer or re-seeding.
   C. The establishment of a vegetative cover with sufficient density and species diversity to stabilize the surface against the effects of long-term erosion.
   D. The successive vegetation must be similar to naturally occurring environment and habitats of the surrounding area.
   E. Plant material does not show uptake of metals.

4. Roads and Trails
   A. Removal of culverts, pipes, and rock drains.
   B. Stabilization of banks, road fill and cuts.
   C. Installation of diversion berms on steep slopes.
   D. Reclamation of surface and seeding.
   E. Ensure road cuts are stable and access is restricted where there is a safety hazard.
   F. Access to be restricted with appropriate signage and land barriers for areas posing a safety risk.

5. Heap Closure Components
   A. Effluent Treatment and Release.
   B. HEAP Detoxification.
   C. HEAP Cover and Revegetation.
   D. Secondary Contingency Processes.
   E. Long-term HEAP effluent treatment and release.

6. Buildings and Infrastructure
   A. Structures removed.
   B. Waste from dismantling is re-used and/or removed from the site and disposed of in an authorized waste disposal site.

C. All buried support infrastructures (e.g., tanks, pipes, underground services) will be removed and/or decommissioned in a safe, acceptable manner. All buried infrastructure remaining will be identified on site closure maps.
D. All non-toxic waste may be disposed of in an approved waste disposal site. The location and contents of disposal sites will be identified and recorded.
E. All hazardous material is removed from the site.
F. In all areas where fuel and chemicals were stored and handled at the site, the soil has been tested for potential contaminants, and treated if required.
G. Mining equipment, mineral processing equipment, and heavy machinery has been removed from the site.
H. After being emptied, decommissioned septic tanks are either removed or filled with gravel/sand and/or other inert material.
I. Foundations covered with self-sustaining vegetation.
J. Contaminated soils dealt with.
K. The rehabilitation of all petroleum products sites used for storage of fuels and lubrication shall comply with Handling of Fuel Products.
L. No hazardous materials remaining on site.

7. Waste Rock Management
   A. Definition of performance targets for reclaiming waste rock facilities
   B. Completion of stability analyses of waste rock dump facilities
   C. Completion of geochemical characterization of waste rock to identify metal leaching/acid rock drainage (ML/ARD) potential
   D. Identification/design/implementation of requirements for cover systems based on geochemical characterization and water quality modelling
   E. Completion of landform design

20.11.1 Post Closure Access

Future land use patterns are an important consideration for road reclamation since roads can be catalysts for desirable and undesirable land use practices. The licensee will facilitate a community consultation process including THFN and the Community of Dawson City to decide on the long-term decommissioning of the main access road from the Klondike Ditch to the mine site. Site access will remain for long-term monitoring and the licensee will implement the decision arising from the consultation process. It must be noted that access for the purpose of post closure monitoring and maintenance will be required for a 15-year period.

20.11.2 Security and Access

The heap leach and processing facilities at the Brewery Creek Mine site will be fenced to protect wildlife from inadvertently encountering the process solutions. Entry onto the Brewery Creek mine site is controlled by a locked gate installed across the main access road into the mine. This system will be continued through the post closure period. Company or contract personnel will continue to have access to the site for monitoring or maintenance requirements. The existing wildlife protection fencing system will be removed once detoxification of the final heap drain down solution is complete and the long-term effluent release systems established. At that point most site infrastructure will have been removed and the only remaining activity will be ongoing site monitoring and maintenance of the completed reclamation work.

21.0 CAPITAL AND OPERATING COSTS

Capital and operating costs for the process and process infrastructure were estimated by KCA. Costs for mining and mining infrastructure were estimated by Tetra Tech. The estimated process and infrastructure costs are considered to have an accuracy of +/-25%. Mining costs are considered to have an accuracy of +/-50%.

The total capital cost for the Project is US$134.6 million, including US$11.2 million in working capital and not including reclamation and closure costs, GST (Goods and Service Tax) or other taxes; GST is applied to all costs at 5% and is assumed to be fully refundable. Table 1-3 presents the capital requirements for the Brewery Creek Project.

Table 21-1
Capital Cost Summary

Description	Cost (US$, 000)
Pre-Production Capital	$105,385
Working Capital & Initial Fills	$11,181
Sustaining Capital	18,020
Total excluding GST	**$134,585**

The average operating cost for the Project is US$ 21.45 per tonne processed. Table 1-4 presents the LOM operating cost requirements for the Project.

Table 21-2
LOM Operating Cost Summary

Description	LOM Cost (US$/t)
Mining	$11.31
Process & Support Services	$7.62
Site G & A	$2.52
Total	**$21.45**

GST is not included in the operating costs.

21.1 Capital Expenditures

The required capital costs have been based on the design outlined in this study. The scope of these costs includes all expenditures for mining, process facilities, infrastructure, and construction indirect costs.

Capital costs have been made primarily using budgetary supplier quotes for all major and most minor equipment as well as contractor quotes for major construction contracts. Multiple quotes were received for most major packages (three or more in most cases). Where project specific quotes were not available a reasonable estimate or allowance was made based on recent quotes in KCA's files or KCA's experience with similar installations.

All capital cost estimates are based on the purchase of equipment quoted new from the manufacturer or estimated to be fabricated new. Financing of the mining equipment fleet is considered for this cost estimate.

The total pre-production capital cost estimate for the Brewery Creek Heap Project is estimated at US$ 116.6 million, including all mining equipment, process equipment, infrastructure, construction indirect costs, and working capital. All costs are presented in fourth quarter 2021 US dollars. Where prices were quoted in Canadian Dollars and exchange rate of 0.78 CAD:1 US$ was used.

Pre-production capital costs required for the Brewery Creek Project by area are presented in Table 21-3.

Table 21-3
Summary of Pre-Production Capital Costs by Area

Totals Process & Infrastructure Direct Costs	Total Supply Cost	Install	Grand Total
	US$	US$	US$
Area 0110 - Site & Utilities General	$8,804,000	$4,169,000	$12,973,000
Area 0113 - Crushing	$8,509,000	$2,438,000	$10,947,000
Area 0115 - Heap Off-Loading & Conveyor Stacking	$6,103,000	$1,413,000	$7,516,000
Area 0120 - Heap Leach & Solution Handling	$2,938,000	$2,629,000	$5,567,000
Area 0128 - Recovery Plant	$4,584,000	$1,485,000	$6,070,000
Area 0131 - Electrowinning & Refining	$1,331,000	$582,000	$1,913,000
Area 0134 - Reagents	$134,000	$97,000	$231,000
Area 0360 - Power Generation	$6,441,000	$1,117,000	$7,558,000
Area 0367 - Mobile Equipment	$1,987,000	$0	$1,987,000
Area 0362 - Water Distribution	$638,000	$219,000	$856,000
Area 0365 - Laboratory	$2,047,000	$402,000	$2,450,000
Total Direct Costs	**$43,516,000**	**$14,552,000**	**$58,069,000**
Spare Parts	$838,000		$838,000
Sub Total with Spare Parts			**$58,907,000**
Contingency	$10,974,000		$10,974,000
Total Process & Infrastructure Direct Costs with Contingency			**$69,881,000**
Totals Mining Costs			**Grand Total**
Mining Equipment Costs (Financing down-payment)			$4,499,000
Mining Infrastructure & Pre-Production			$19,914,000
Total Mining Costs			**$24,413,000**
Totals Indirect Costs			**Grand Total**
Indirect Field Costs			$2,309,000
Indirect Field Costs Contingency			$346,000
Total Indirect Costs			**$2,655,000**
Owner's Costs			**$2,846,000**
Sub Total Pre-Production Cost Before EPCM			**$99,795,000**
EPCM			**$5,590,000**
Sub Total Pre-Production Costs			**$105,385,000**
Working Capital + Initial Fills			**$11,181,000**
TOTAL Pre-Production Capital Cost (GST Not Included)			**$116,566,000**

21.1.1 Mining Capital Costs

These costs are presented as a summary. Mine capital cost requirements are estimated at $44.5 million as summarized in Table 21-4. This includes pre-production capital for haul road construction, infrastructure, and pre-production stripping required to prepare the site for full operation.

Table 21-4
Mine Capital Cost Summary

Description	Pre-Production Capital US$ (millions)	Production Capital US$ (millions)	Total LOM Capital US$ (millions)
Haul Road Development	$1.6	$-	$1.6
Mine Equipment	$22.5	$7.5	$30.0
Mine Surface Infrastructure	$0.3	$-	$0.3
Pre-production Stripping	$12.7	$-	$12.7
Total	**$37.0**	**$7.5**	**$44.5**

Columns may not total due to rounding

21.1.1.1 Haul Road Development

A total of eight crossings requiring culvert installation are required to be constructed along the primary haul road from the leach pad to the Bohemian/Schooner mining area. In addition, haul roads of sufficient width for the equipment fleet need to be established from the leach pad to the East Big Rock, West Big Rock, and KEG mining areas.

The total estimated capital cost requirement to install the culverts, dump road fill material, and grade the road surface is $1.6 million.

21.1.1.2 Equipment Costs

Mine equipment requirements are based on the life-of-mine production plan. Capital requirements for mine equipment over the life-of-mine (including pre-production) total $30.0 million. Total equipment capital cost is summarized in Table 21-5.

Table 21-5
Mine Equipment Costs

Equipment Type	Unit Cost US$('000s)	Quantity	Total Capital US$('000s)
Komatsu WA900-8 Loader	1,885	3	5,656
Komatsu WA600 Loader	949	1	949
CAT MD6200 Drill	1,385	3	4,154
Komatsu HD785 Haul Truck	1,471	10	14,711
Komatsu D375A-8 Dozer	1,246	2	2,492
Komatsu GD655-7 Grader	333	2	665
Pit Pump	48	3	145
Portable Generator	49	3	147
Light Vehicles	53	12	636
Light Plant	16	4	62
Lube Truck	49	1	49
Field Service Truck	69	1	69
Lowboy Trailer	253	1	253
Total Equipment Capital			**29,986**

Numbers may not total due to rounding

21.1.1.3 Mine Surface Infrastructure

Mine surface infrastructure requirements include fuel and water storage tanks capable of providing two weeks of consumable fluids and are estimated at $0.3 million. Administrative offices, dry facilities, communications infrastructure, the truck shop, and the truck wash are not included in the mine infrastructure capital cost estimate, as they are included in general site infrastructure.

21.1.2 Process and Infrastructure Capital Costs

21.1.2.1 Process and Infrastructure Capital Cost Basis

Process and infrastructure costs have been estimated by KCA. All equipment and material requirements are based on the design information described in previous sections of this report. Budgetary capital costs have been estimated primarily based on project specific quotes for all major and most minor equipment as well as contractor quotes for major construction contracts. Multiple quotes were received for most major packages. Where project specific quotes were not available a reasonable estimate or allowance was made based on recent quotes in KCA's files or

KCA's experience on similar installations. All capital cost estimates are based on the purchase of equipment quoted new from the manufacturer or to be fabricated new.

Each area in the process cost build-up has been separated into the following disciplines, as applicable:

- Major earthworks & liner;
- Civil (concrete);
- Structural steel;
- Platework;
- Mechanical equipment;
- Piping;
- Electrical;
- Instrumentation;
- Infrastructure & Buildings; and
- Commissioning & Supervision.

Pre-production process and infrastructure costs by discipline are presented in Table 21-6.

Table 21-6
Summary of Process & Infrastructure Pre-Production Capital Costs by Discipline

Plant Totals	Cost @ Source US$	Freight US$	Customs Fees & Duties US$	Total Supply Cost US$	Install US$	Grand Total US$
Major Earthworks & Liner	$676,000	$0	$0	$676,000	$5,936,000	$6,613,000
Civils (Supply & Install)	$1,737,000	$0	$0	$3,315,000	$1,578,000	$3,315,000
Structural Steelwork (Supply & Install)	$671,000	$0	$0	$671,000	$0	$671,000
Platework (Supply & Install)	$1,425,000	$79,000	$0	$1,505,000	$648,000	$2,152,000
Mechanical Equipment	$20,939,000	$1,605,000	$379,000	$22,923,000	$4,819,000	$27,742,000
Piping	$2,436,000	$159,000	$0	$2,595,000	$1,237,000	$3,832,000
Electrical	$3,144,000	$211,000	$35,000	$3,390,000	$956,000	$4,346,000
Instrumentation	$671,000	$38,000	$9,000	$718,000	$232,000	$950,000
Commissioning and Supervision	$51,000	$0	$0	$51,000	$0	$51,000
Infrastructure	$7,438,000	$236,000	$0	$7,674,000	$723,000	$8,397,000
Spare Parts	$0	$0	$0	$0	$0	$838,000
Contingency	$0	$0	$0	$0	$0	$10,974,000
Plant Total Direct Costs	**$39,186,000**	**$2,328,000**	**$424,000**	**$43,516,000**	**$16,131,000**	**$69,880,000**

Freight, customs fees and duties, and installation costs are also considered for each discipline and are discussed in the following sections.

Engineering, procurement, and construction management (EPCM), indirect costs, and initial fills inventory are also considered as part of the capital cost estimate.

21.1.2.2 Freight

Estimates for equipment and materials freight costs are based on loads as bulk freight and have been estimated at 8% of the equipment cost.

Where applicable, supplier quoted freight cost estimates for equipment were used in place of estimated freight. Freight has been quoted for the cement silo system, shop fabricated tanks, diesel fuel tanks, and heavy support equipment (haul trucks, loaders, etc.).

21.1.2.3 Duties and Customs Fees

Estimates for duties and customs fees are estimated at 2% of the supply equipment cost. This estimate includes costs for brokers and expediting and is based on KCA's experience from other projects.

21.1.2.4 Installation

Installation costs are based on budgetary hourly installation contractor rates and estimated man hours. Installation labor is estimated at US$ 72.35/hour and includes all labor and tools required for proper placement and installation of equipment. An allowance of US$ 280,000 is included as part of the indirect costs for support equipment rentals for installation.

21.1.2.5 Major Earthworks and Liner

Earthworks and liner quantities for the project have been estimated by KCA for all project areas. Earthworks and liner supply and installation will be performed by contractors who will provide their own support equipment, tools, lodging and meals for construction at site. Unit rates for site earthworks and liner supply and installation are based on contractor quotes.

21.1.2.6 Civils

Civils include detailed earthworks and concrete. Concrete quantities have been estimated by KCA based on layouts, similar equipment installations, vibrating equipment, major equipment weights and on slab areas. Unit costs for concrete supply and installation are based on contractor quotes.

21.1.2.7 Structural Steel

Costs for structural steel, including steel grating, structural steel, and handrails are primarily quoted by suppliers as part of equipment supply packages. Structural steel for the recovery plant and other site buildings are based contractor quotes.

21.1.2.8 Platework

The platework discipline includes costs for the supply and installation of steel tanks, bins, and chutes. Most of the plate work has been quoted as part of distinct supply packages including the shop fabricated tanks package, field erected tanks package and diesel storage tanks package. All other platework costs including chute work and crushing bins have been included as part of equipment supply packages.

21.1.2.9 Mechanical Equipment

Costs for mechanical equipment are based on a detailed equipment list developed of all major equipment for the process. Costs for most major and minor equipment items are based on budgetary quotes from suppliers. Where project specific supplier quotes were not available, reasonable allowances were made based on recent quotes from KCA's files or KCA's experience on similar installations. All costs assume equipment purchased new from the manufacturer or to be fabricated new.

The mechanical equipment costs consider several distinct supply packages including mobile crushing equipment, conveyor stacking system, power generation, lab equipment, support heavy equipment, and miscellaneous smaller packages. Installation costs for mechanical equipment are based on budgetary contractor hourly installation rates.

21.1.2.10 Piping

Major piping, including heap irrigation and water distribution pipes (raw water and fire water) are based on material take-offs and a combination of supplier quotes and piping unit rates from recent quotes in KCA's files. Additional ancillary piping, fittings, and valve costs have been estimated on a percentage basis of the mechanical equipment supply costs by area ranging from 0% to 20%.

Installation costs for piping are based on budgetary contractor hourly installation rates

21.1.2.11 Electrical

Major electrical equipment including transformers, substations, site powerlines, motor control centers and VFDs have been considered in the electrical equipment list and have been costed based on supplier / contractor quotes or has been included as part of vendor supply packages.

Miscellaneous electrical costs which include items such as cables, cable trays, etc. have been estimated as percentages of the mechanical equipment supply cost for each process area and range between 3 and 15% and have been benchmarked against recent similar projects.

Installation of electrical equipment have been estimated based on budgetary contractor installation rates and estimated installation hours. Supply and installation of the distribution powerline is based on contractor quotes.

21.1.2.12 Instrumentation

Instrumentation costs are included as part of vendor supply packages or have been estimated as percentages of the mechanical equipment supply cost for each process area. Percentages for instrumentation range between 0 and 5% and have been benchmarked against recent similar projects. An allowance of US$ 200,000 has been included for a PLC control system.

21.1.2.13 Infrastructure & Buildings

Infrastructure and buildings for the Brewery Creek Project include the construction of a 125-sample per day laboratory, a process workshop building, mine truck shop, two water wells and recovery plant building. Costs for the process buildings are based on contractor quotes. Costs for the truck shop, building finishes and costs to complete the existing man camp erection have been included as allowances in the cost estimate. Lab equipment is included in the mechanical equipment cost estimate.

21.1.2.14 Supplier Engineering and Installation Supervision / Commissioning

Engineering and installation supervision costs have primarily been included as part of the equipment supply packages. An additional US$150,000 has been included in the construction indirect costs to cover vendor representatives for other process areas.

21.1.2.15 Process Mobile Equipment

Mobile equipment included in the capital cost estimate is detailed in Table 21-7.

Table 21-7
Process Mobile Equipment

Description	Quantity
Komatsu WA 600-8 Loader or Equiv.	1
Komatsu D65 Dozer or Equiv.	1
Komatsu D155PX Dozer or Equiv.	1
Mechanical Service Truck	1
Forklift, 2.5 ton	1
Pickup Truck, ¾ ton	6
Backhoe w/ Fork Attachment, 1.1 cu. yd.	1
Boom Truck, 5 ton	1

Costs for the process mobile equipment are primarily based on supplier quotes or published pricing data. Process mobile equipment costs are included as part of the mechanical equipment estimate.

21.1.2.16 Spare Parts

Spare parts costs are estimated at 4% of the mechanical equipment supply costs.

21.1.2.17 Process & Infrastructure Contingency

Contingency for the process and infrastructure has been applied to the total direct costs by discipline. Contingency has been applied ranging from 15% to 25%. The overall contingency for process and infrastructure is estimated at 19.0% of the direct costs.

21.1.3 Construction Indirect Costs

Indirect field costs include temporary construction facilities, construction services, quality control, survey support, support equipment, etc. These costs have been estimated based on 8 months of field construction, contractor quotes, and reasonable allowances based on KCA's recent experience. A 15% contingency has been applied to the estimated construction indirect costs.

21.1.4 Other Owner's Construction Costs

Other Owner's construction costs are intended to cover the following items:

- Owner's costs for labor, offices, home office support, vehicles, travel and consultants during construction.
- Camp operations during construction.
- Royalties, licence fees, etc.
- Taxes and permits.
- Work place health and safety costs during construction.

Other Owner's construction costs are estimated based on 8 months of site construction.

21.1.5 Initial Fills Inventory

The initial fills consist of consumable items stored on site at the outset of operations, which includes sodium cyanide (NaCN), lime, carbon, hydrochloric acid, caustic, antiscalant, and fluxes. Initial fills are summarized in Table 21-8.

Table 21-8
Other Owner's Construction Costs

Item	Basis	Quantity kg or L	Unit Price US$	Total Cost (Excluding GST) US$
NaCN	30 Days	80,000	$2.65	$212,000
NaOH	30 Days	1,500	$1.77	$3,000
Lime	full silos	190,000	$0.515	$97,000
Antiscalant - Leach	30 Days	4,000	3.49	$14,000
Activated Carbon	Initial Loads + 2 weeks	15,500	$3.36	$52,000
Hydrochloric Acid	30 Days	4,000	$1.19	$5,000
Diesel Fuel	Full Tanks	200,000	$0.90	$181,000
Flux	30 Days			
Borax		500	0.41	$200
Silica		500	0.41	$200
Soda Ash		500	1.21	$600
Niter		500	0.93	$500
TOTAL				**$565,000**

21.1.6 Engineering, Procurement & Construction Management

The estimated costs for engineering, procurement and construction management (EPCM) for the development, construction, and commissioning are based on a percentage of the direct capital cost. The total EPCM cost is estimated at 8% of the process and infrastructure direct costs.

The EPCM costs cover services and expenses for the following areas:

- Project Management.
- Detailed Engineering.
- Engineering Support.
- Procurement.
- Construction Management.
- Commissioning.
- Vendors Reps.

21.1.7 Working Capital

The working capital is money that is used to cover operating costs from start-up until a positive cash flow is achieved. Once a positive cash flow is attained, project expenses will be paid from earnings. Working capital for the Project is estimated to be US$ 10.6 million based on 55 days of operation and includes all process, mining and G&A operating costs.

21.1.8 Sustaining Capital

Sustaining capital for the project includes construction of cells 8, 9 and 10 of the leach pad in Year 3, and mining equipment in Years 1, 2, 3, 4 and 6. Total sustaining capital costs for the project are estimated at US$18.0 million.

21.1.9 GST

GST is a value added tax which is applied at 5% to all goods and services in Canada. GST is not considered in the capital and operating costs; however, is included as part of the economic model. GST is assumed to be completely refundable within one calendar year.

21.1.10 Exclusions

The following capital cost considerations have been excluded from the scope of supply and estimate:

- Finance charges and interest during construction.
- Escalation costs.
- Currency exchange fluctuations.

21.2 Operating Costs

Operating costs for the Brewery Creek Project have been estimated based on information presented in earlier sections of this study. Mining costs were provided by Tetra Tech at US$ 11.31 per tonne processed. Process and G&A costs have been estimated by KCA from first principles and consider project specific staffing, salary, wage and benefit requirements and unit consumptions of materials, supplies, power, and water. Average processing costs are estimated at US$ 7.62 per tonne processed. G&A costs are estimated at US$2.52 per tonne processed

Operating costs were estimated based on 4th quarter 2021 US dollars and are presented with no added contingency based upon the design and operating criteria present in this report. GST is not included in the operating cost estimate.

The operating costs presented are based upon the ownership of all process production equipment and site facilities, including the onsite laboratory. The owner will employ and direct all operating maintenance and support personnel for all site activities.

Operating costs estimates have been based upon information obtained from the following sources:

- Mining costs from Tetra Tech;
- G&A costs estimated by KCA with input from Sabre Gold;
- Project metallurgical test work and process engineering;
- Supplier quotes for reagents and fuel
- Recent KCA project file data; and
- Experience of KCA staff with other similar operations.

Where specific data do not exist, cost allowances have been based upon consumption and operating requirements from other similar properties for which reliable data exist. Freight costs have been estimated where delivered prices were not available.

21.2.1 Mining Operating Costs

LOM operating costs attributable to mining are summarized in Table 21-9.

Table 21-9
Mine operating Costs

Description	Unit Cost ($/t-mined)
Equipment	1.18
Labor (incl. blasting contract)	0.78
Total - Mine Operating	**1.96**

21.2.1.1 Mine Equipment Operating Cost

Operating costs for mine equipment are summarized in Table 21-10. Equipment costs are estimated to be $1.20/t-mined over the life-of-mine. Pre-production costs are capitalized and are not included in the values presented. Labor costs are not included in the mine equipment operating costs but are instead presented in Section 21.1.2.

Table 21-10
Mine Operating Costs

Description	Unit Cost ($/t-mined)
Drilling	0.09
Loading	0.22
Haulage	0.51
Support (incl. pit floor pumping)	0.30
Mining Operating	**1.13**
+ 5% Contingency	**1.18**

Numbers may not total due to rounding

The mine operating cost estimate is based on the annual production schedule and incorporates time-usage model estimates for major mine equipment. The estimate does not include blasting costs, as blasting is planned to be carried out by a contractor. The mine operator will be responsible for the cost to operate the blasthole drill equipment.

Support equipment cost includes equipment required to maintain haul roads and dumps, as well as the pit floor dewatering pumps and associated portable diesel generators.

21.2.1.2 Mine Labor Operating Cost

Labor costs are shown in Table 21-11 and are estimated at $0.78/t-mined. This estimate includes equipment operators for all primary mine equipment, mine maintenance labor, supervisory and engineering staff, and the blasting contractor.

Table 21-11
Mine Labor

Description	Unit Cost ($/t-mined)
Mine and Maintenance Labor (hourly)	0.39
Supervisory and Engineering (salaried)	0.11
Blasting Contract	0.28
Mine Labor Operating Cost	**0.78**

The blasting contractor cost includes the cost for required quantities of bulk explosive, as well as other costs associated with blasting, including explosive delivery, magazines, labor, and equipment. Blasthole drilling is included in mine labor and is not included in the blasting contract.

21.2.2 Process and G&A Operating Costs

LOM average process and G&A operating costs based on 9,000 tpd of material being processed. The operating cost by year is presented in Table 21-12.

Table 21-12
LOM Average Process, Support & G&A Operating Costs

Operating Costs	OPERATING COSTS	
	Annual Costs, US$,000	US$ per Tonne
Labor - All Process Areas		
Process Labor	$4,674	$2.015
Laboratory Labor	$860	$0.371
SUBTOTAL	$5,534	$2.386
Area 0113 - Crushing		
Power	$1,123	$0.484
Komatsu WA600 Loader	$414	$0.179
Komatsu D155AX Dozer	$0	$0.000
Wear	$577	$0.249
Overhaul / Maintenance	$231	$0.099
SUBTOTAL	$2,345	$1.011
Area 0115 - Reclaim & Conveyor Stacking		
Power	$601	$0.259
Komatsu D65 Dozer	$192	$0.083
Overhaul / Maintenance	$92	$0.040
SUBTOTAL	$886	$0.382
Area 0120 - Heap Leach & Solution Handling		
Power	$99	$0.043
Piping/Drip tubing	$115	$0.050
Maintenance Supplies	$23	$0.010
SUBTOTAL	$238	$0.103
Area 0128 - Recovery Plant		
Power	$935	$0.403
Diesel (boiler & kiln)	$262	$0.113
Carbon	$72	$0.031
Misc. Operating Supplies	$92	$0.040
Maintenance Supplies	$23	$0.010
SUBTOTAL	$1,385	$0.597
Area 0131 - Electrowinning & Refining		
Power	$112	$0.048
Diesel (smelt furnace)	$7	$0.003
Misc. Operating Supplies	$46	$0.020
Maintenance Supplies	$23	$0.010
SUBTOTAL	$187	$0.081
Area 0134 - Reagents		
Power	$24	$0.010
Cyanide (Ore)	$1,662	$0.717
Lime	$2,895	$1.248
Cyanide (Elution)	$16	$0.007

Operating Costs	OPERATING COSTS	
	Annual Costs, US$,000	US$ per Tonne
Caustic	$46	$0.020
Hydrochloric Acid	$96	$0.042
Antiscalant	$179	$0.077
Fluxes	$3	$0.001
Maintenance Supplies	$58	$0.025
SUBTOTAL	$4,979	$2.146
Area 0360 - Power Generation		
Power	$20	$0.009
Wear & Maintenance Supplies	$346	$0.149
SUBTOTAL	$366	$0.158
Area 0362 - Water Distribution		
Power	$136	$0.058
Wear & Maintenance Supplies	$92	$0.040
SUBTOTAL	$228	$0.098
Area 38 - Laboratory		
Power	$238	$0.103
Assays, Solids	$454	$0.196
Assays, Solutions	$136	$0.059
Miscellaneous Supplies	$46	$0.020
SUBTOTAL	$874	$0.377
Support Mobile Equipment & Facilities		
Facilities / Infrastructure		
Power - Buildings/Misc. (Line)	$13	$0.005
Heating - WH/Admin	$51	$0.022
Heating - ADR	$51	$0.022
Mobile Equipment		
Fork Lift	$15	$0.006
Boom Truck	$16	$0.007
Mechanic Service Truck	$17	$0.007
Backhoe/Loader	$35	$0.015
Pickup Truck	$450	$0.194
SUBTOTAL	$648	$0.279
Total Process Costs	**$17,671**	**$7.618**
G&A		
G&A Labor	$1,481	$0.639
G&A Expenses	$4,357	$1.878
Total G&A	**$5,838**	**$2.517**

21.2.2.1 Personnel and Staffing

Staffing requirements for process and administration personnel have been estimated by KCA based on experience with similar sized operations with input from Sabre Gold on wages and salary information. Staffing will be primarily by Canadian nationals with an emphasis of hiring as many workers from the local community and Yukon Territory as possible. Total process personnel is estimated at 60 persons including 11 laboratory workers. G&A labor is estimated at 18 persons.

21.2.2.2 Power

Power usage for the process and process-related infrastructure was derived from estimated connected loads assigned to powered equipment from the mechanical equipment list. Equipment power demands under normal operation were assigned and coupled with estimated on-stream times to determine the average energy usage and cost. Power requirements for the project are presented in Table 21-13.

Table 21-13
Power Requirements Summary

Area Description	Attached Power (kW)	Average Demand (kW)
Area 0110 - Site & Utilities General	22	13
Area 0113 - Crushing	1,361	799
Area 0115 - Reclaim & Conveyor Stacking	946	423
Area 0120 - Heap Leach & Solution Handling	387	84
Area 0128 - Recovery Plant	1,001	691
Area 0131 - Electrowinning & Refining	108	46
Area 0134 - Reagents	23	13
Area 0360 - Power Generation	26	5
Area 0367 - Mobile Equipment		
Area 0362 - Water Distribution	216	122
Area 0365 - Laboratory	244	137
Total	**4,334**	**2,333**

The total attached power for the process and infrastructure is estimated at 4.3 MW, with an average draw of 2.3 MW during the crushing and stacking. The average power draw during the winter operating season is 1.1 MW.

Power will be generated at site using four each 1,100 kW diesel generators at an estimated cost of US$0.231/ kW h.

21.2.2.3 Consumable Items

Operating supplies have been estimated based upon unit costs and consumption rates predicted by metallurgical tests and have been broken down by area. Freight costs are included in all operating supply and reagent estimates. Reagent consumptions have been derived from test work and from design criteria considerations. Other consumable items have been estimated by KCA based on KCA's experience with other similar operations.

21.2.2.3.1 Heap Leach Consumables

Pipes, Fittings and Emitters – The heap pipe costs include expenses for broken and abandoned pipe or tubing, fittings and valves. The heap pipe costs are estimated to be US$0.05/t, and are based on previous detailed studies conducted by KCA on similar projects.

Sodium Cyanide (NaCN) – Delivered sodium cyanide is quoted at US$2.65/kg. Cyanide is primarily consumed in the heap leach at 0.27 kg/t.

Pebble Lime – Pebble Lime (CaO) is consumed at an average rate pf 2.4 kg/t for pH control at the heap. A delivered price of US$515/t has been quoted.

Antiscale Agent (Scale Inhibitor) – Antiscalant consumption is based on an average dosage rate of 6 ppm to the suctions of the barren and pregnant pumps. Antiscalant has been quoted at US$3.49/kg.

21.2.2.3.2 Recovery Plant Consumables

Carbon - Carbon is used for the adsorption of gold and silver from pregnant solution for the heap leach circuits and is consumed at an estimated 4% per strip batch due to attrition. Carbon supply is quoted by Brenntag at US$3.36/kg.

Hydrochloric Acid - Hydrochloric acid is used in the acid wash circuit to remove scale from the carbon which inhibits the adsorption of gold and silver. Hydrochloric acid consumption is estimated at 450 L per strip with a quoted supply cost of US$1.19/kg.

Caustic - Caustic is delivered to site in bags and mixed to 20% concentration by weight. Caustic is used in the ADR and is consumed in the strip and acid wash circuits. Caustic consumption is based on a 2% caustic strip solution with approximately one third of the solution being discarded each strip. Caustic supply cost is quoted at US$1.84 per kg.

Smelting Fluxes - It is estimated that 0.054 kg of mixed fluxes per troy ounce of precious metal produced will be required. The estimated delivered cost of these fluxes, which includes borax, silica, niter, and soda ash, is US$0.63/kg, which is based on recent quotes in KCA's files and assumed flux composition.

21.2.2.4 Laboratory

Fire assaying and solution assaying of samples will be conducted in the on-site laboratory. It is estimated that approximately 125 solids assays and 125 solution assays at US$10.00 and US$3.00 / assay, respectively, will need to be performed each day.

21.2.2.5 Fuel

Diesel fuel will be required for heavy equipment operation, vehicles and power generation at the project. Fuel is primarily consumed by the power generation circuit at a rate of 0.255 L diesel per kWh based on manufacturer information. A diesel price of US$ 0.90 per liter has been provided by Sabre Gold based on their current fuel rates.

21.2.2.6 Miscellaneous Operating & Maintenance Supplies

Overhaul and maintenance of equipment along with miscellaneous operating supplies for each area have been estimated as allowances based on tonnes processed. The allowances for each area were developed based on published data as well as KCA's experience with similar operations.

21.2.2.7 Mobile / Support Equipment

Mobile and support equipment are required for the process and heap reclamation have been included. The costs to operate and maintain each piece of equipment have been estimated primarily using published information and project specific fuel costs. Where published information was not available, allowances were made based on KCA's experience from similar operations.

21.2.2.8 G&A Expenses

General and administrative expenses include costs for offsite offices, insurance, office supplies, communications, environmental and social management, health and safety supplies, security, travel and camp operations. For the cost estimate G&A expenses are represented primarily as fixed costs.

21.3 Reclamation & Closure Costs

Costs for concurrent reclamation and closure costs have been estimated at US$0.75 per tonne or material processed. These costs are in addition to any reclamation and closure costs considered in the normal operating and sustaining cost estimates.

22.0 ECONOMIC ANALYSIS

This PEA includes inferred mineral resources that are considered too speculative geologically to have the economic considerations applied to them that would enable them to be categorized as mineral reserves and there is no certainty that the economics presented in this PEA will be realized.

22.1 Summary

Based on the estimated preliminary production schedule, capital costs and operating costs, a cash flow model was prepared by KCA for the economic analysis of the Brewery Creek Project. All of the information used in this economic evaluation has been taken from work completed by KCA and other consultants working on this project as described in previous sections of this report.

The project economics were evaluated using a discounted cash flow (DCF) method, which measures the Net Present Value (NPV) of future cash flow streams. The final economic model was developed by KCA with input from Sabre Gold based on the following:

- The cash flow model is based on mine production schedule from Tetra Tech.
- The period of analysis is 11 years including one year of investment and pre-production, 8 years of production and two years or reclamation and closure.
- All cash flow amounts are in US dollars (US$). All costs are considered to be 4th quarter 2021 costs.
- The Internal Rate of Return (IRR) is calculated as the discount rate that yields a zero Net Present Value (NPV).
- The NPV is calculated by discounting the annual cash back to Year -1 at different discount rates. All annual cash flows are assumed to occur at the end of each respective year.
- The payback period is the amount of time, in years, required to recover the initial construction capital cost.
- Working capital is considered in this model and includes mining, processing and general administrative operating costs. The model assumes working capital is recovered near the end of the mine life.
- Royalties and government taxes are included in the model.
- 100% equity financing is assumed except for financed mobile equipment.
- Salvage value for mine and process equipment is not included.
- Reclamation and closure costs are included

General assumptions for the model including inputs, parameters, royalties and taxes are as follows:

- Gold price of US$ 1,700/oz.
- Processing rate of 9,000 tonnes per day.
- Gold production and revenue in the model are delayed from the time material is stacked based on the mine production schedule and material leach curves to account for time required for gold to be recovered from the heap.
- Capital costs as presented in Section 21 of this report.
- LOM average operating costs of US$21.45/t processed including mining cost of US$11.31/t, processing cost of US$7.62/t and G&A cost of US$2.52/t as presented in Section 21 of this report. Financing costs for mine equipment is included in the mining operating cost estimate.
- Pre-production capital costs for the project are spent entirely in Year -1.
- Working capital equal to 55 days of operating costs during the pre-production and ramp up period is included for the mining, process and G&A costs. The assumption is made that all working capital can be recovered in the final years of operation and the effective sum of working capital over the life of mine is zero.
- Non-cash depreciation allowances (capital cost allowances) for eligible items are included in the model for corporate tax and mining tax calculation purposes.
- Opening tax pools for Canadian Exploration Expenses (CEE), Canadian Development Expenses (CDE), Capital Cost Allowance (CCA), Net Operating Losses (NOL) and Investment Tax Credits (ITC) are included and were provided by Sabre Gold.
- Canadian Goods and Services Tax (GST) is applied at 5% to all capital costs as a part of this model and is assumed to be 100% refundable the following year. GST is not applied to operating costs.
- Estimates of various royalties are included for agreements with mining claim owners and the Yukon Government.
- A refinery and transportation cost of US$8.00/oz for gold is used in the model, including insurance. Gold is assumed to be 99.5% payable.
- All-in sustaining costs per payable ounce represent the mine site operating costs including mining, processing, metal transport, refining, administration costs and royalties as well as the LOM sustaining capital and reclamation and closure costs.
- The cash flow analysis evaluates the project on a stand-alone basis. No withholding taxes or dividends are included. No head office or overheads for the parent company are included.

The key economic parameters are presented in Table 22-1 and the economic summary is presented in Table 22-2.

Table 22-1
Key Economic Parameters

Item	Value	unit
Au Price	1,700	US$/oz
Au Avg. Recovery	75.4	%
Treatment Rate	9000	t/d
Refining & Transportation Cost, Au	8.00	US$/oz
Payable Factor, Au	99.5	%
Annual Produced Au, Avg.	60	koz
Federal income Tax Rate	15	%
Provincial income Tax Rate	12	%
Royalties	Variable	%

Table 22-2
Economic Analysis Summary

Financial Analysis		
Internal Rate of Return (IRR), Pre-Tax	33.5%	
Internal Rate of Return (IRR), After-Tax	27.6%	
Average Annual Cashflow (Pre-Tax)	$44	M
NPV @ 5% (Pre-Tax)	$160	M
Average Annual Cashflow (After-Tax)	$36	M
NPV @ 5% (After-Tax)	$112	M
Gold Price Assumption (US$/Ounce)	$1,700	/Ounce
Pay-Back Period (Rears based on After-Tax)	2.6	Years
Capital Costs (Excluding VAT)		
Initial Capital	$105	M
Working Capital & Initial Fills	$11	M
LOM Sustaining Capital	$18	M
Operating Costs (Average LOM)		
Mining	$11.31	/tonne processed
Processing & Support	$7.62	/tonne processed
G&A	$2.52	/tonne processed
AISC	$966	/Ounce
Production Data		
Life of Mine	8	Years
Mine Throughput (Ore), average	2,480,000	TPY
Metallurgical Recovery Au (Overall)	75.4%	
Average Annual Gold Production	60,000	Ounces
Total Gold Produced	473,180	Ounces
LOM Strip Ratio (W:O)	4.03	

22.2 Capital Expenditures

Capital expenditures include initial capital (pre-production or construction costs), sustaining capital and working capital. The capital expenditures are presented in detail in Section 21 of this report.

The economic model assumes working capital and initial fills will be recovered at the end of the operation and are applied as credits against the capital cost. Working capital and initial fills are assumed to be recovered during Years 7 and 8.

22.3 Operating Costs

Operating costs for mining were provided by Tetra Tech. Operating costs for all process and support services were estimated by KCA. G&A operating costs were estimated by KCA with input from Sabre Gold. Operating costs are presented in detail in Section 21 of this report.

22.4 Metal Production & Revenues

Total metal production for the Brewery Creek Project is estimated at 473 thousand ounces of gold. Annual production profiles for gold is presented in Figure 22-1.

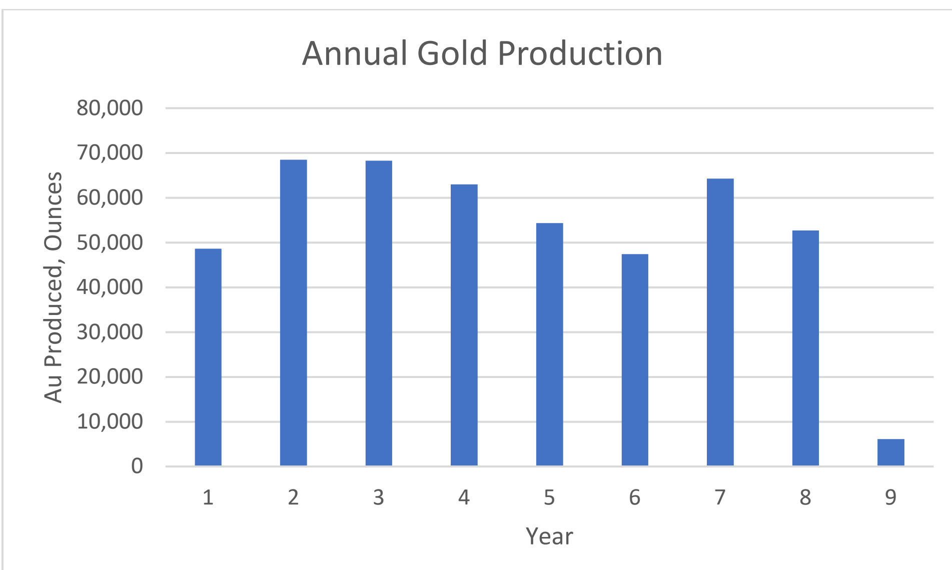


Figure 22-1 Annual Gold Production

22.5 Royalties

Royalties payable on the Brewery Creek Project include:

- 2% NSR payable to Wheaton on the first 600,000 ounces produced, increasing to 2.75% thereafter. The Company can purchase 0.625% of the increased NSR royalty for $2,000,000.
- 5% Net Profit Royalty payable to Energold for gold produced from 781 claims over a portion of the property. Deductions for applicable operating costs and development costs are allowed as per the royalty agreement.
- 2.5% Net Profit Royalty payable to the Tr'ondek Hwech in First Nations ("THFN") for exploration areas outside of the existing mine permits as part of an "Amended and Restated Socio and Economic Accord" between the Company and THFN.

22.6 Closure Costs

Reclamation and closure costs include works to be conducted for the closure of the mine at the end of the operations. An allowance of US$0.75/t processed has been included fore reclamation and closure.

22.7 Taxation

22.7.1 Goods and Service Tax (GST)

The Goods and Service Tax (GST) is a 5% value added tax applied to all goods and services and is considered to be fully refundable because GST is not collected on gold sales. For the economic model, a 5% GST is applied to all capital costs in the year in which they occur with the GST refund or credit being applied in the following year. GST is not considered in the operating cost estimate as it is assumed that once in operation GST paid vs. GST credits will be a net zero value during the period in which they occur.

22.7.2 Federal and Provincial Income Tax

Allowances for Federal income tax and Provincial income tax for the Yukon Territory are both estimated in the model. Federal income is applied at 15% of the project income after deductions of eligible expenses and other allowances, such as for depreciation. Provincial income tax for the

Yukon territory is applied at 2% for the first CAD$ 500,000 of taxable income and 12% for taxable income greater than CAD$ 500,000.

22.7.3 Yukon Quartz Mining Act Royalty Tax

The Yukon Quartz Mining Act Royalty (QMA) is a share of profits from a Yukon mine which is calculated based on the total revenue less applicable operating costs, depreciation and development allowances. The QMA tax rate ranges between 0 and 12% based on the calculated "net-profit".

22.7.4 Canadian Exploration Expenses (CEE)

Canadian Exploration Expenses (CEE) are expenses incurred to determine the existence, location extent or quality of a mineral resource in Canada. The full balance of CEE may be deducted in any given year.

An opening CEE pool balance of US$11.7 million

22.7.5 Canadian Development Expenses (CDE)

Canadian Development Expenses (CDE) include pre and post-production expenses, such as haul road development. A 30% deduction from the cumulative CDE pool may be taken annually.

An opening CDE pool balance of US$12.3 million was provided by Sabre Gold and is included in the model.

22.7.6 Capital Cost Allowance (CCA)

The Capital Cost Allowance (CCA) is based on a system of classes of assets for various types of depreciable property each with an assigned depreciation rate. CCA assets for the project are considered to be Class 41 assets with a maximum annual deduction of 25% of the applicable pool.

An opening CCA pool balance of US$5.9 million was provided by Sabre Gold and is included in the model.

22.7.7 Loss Carry Forward

The Canadian government allows for losses incurred to be carried forward for a period of up to twenty years to reduce taxable income.

An opening loss carry forward pool of US$27.2 million was provided by Sabre Gold and is included in the model.

22.7.8 Investment Tax Credit (ITC)

Investment Tax Credits (ITC) for pre-production exploration and mining has been phased out since 2016; however, available pools may still be deducted.

An opening ITC balance of US$1.3 million was provided by Sabre Gold and is included in the model.

22.8 Economic Model & Cash Flow

The discounted cash flow model for the Brewery Creek Project is presented in Table 22-3 based on the inputs and assumptions detailed in this Section.

Table 22-3
Economic Model

S A B R E   G O L D

Brewery Creek Gold Project, Yukon

PEA Cashflow Projection

Gold Price $1,700 **January 18, 2022**

Item		TOTAL	-1	1	2	3	4	5	6	7	8	9	10
Tonnes Processed		Total											
Total Tonnes Processed		18,656,657		1,900,000	2,475,000	2,408,612	2,459,279	2,448,045	2,401,423	2,400,000	2,164,299		
Au g/t		1.046		1.25	1.32	1.18	1.00	0.87	0.82	1.06	0.90		
Gold Produced		473,180		**48,591**	**68,498**	**68,300**	**62,968**	**54,366**	**47,376**	**64,291**	**52,695**	**6,094**	**0**
Gold Payable	99.50%	470,814		48,348	68,155	67,958	62,654	54,094	47,140	63,970	52,432	6,064	0
Gold Price				**$1,700**	**$1,700**	**$1,700**	**$1,700**	**$1,700**	**$1,700**	**$1,700**	**$1,700**	**$1,700**	**$1,700**
		US$000s	**US$000s**	**US$000s**	**US$000s**	**US$000s**	**US$000s**	**US$000s**	**US$000s**	**US$000s**	**US$000s**	**US$000s**	**US$000s**
Gross Revenue		$800,383		82,192	115,864	115,529	106,511	91,959	80,137	108,748	89,134	10,308	0
Refining & Transportation Charge	$8.00	3,767		$387	$545	$544	$501	$433	$377	$512	$419	$49	$0
Net Revenue		**796,617**		**$81,805**	**$115,319**	**$114,986**	**$106,010**	**$91,527**	**$79,760**	**$108,237**	**$88,714**	**$10,260**	**$0**
Mining Opex (incl. finance costs)	$11.31	211,032		23,115	24,294	28,440	35,060	36,555	23,565	22,548	17,455	0	0
Processing Opex	$7.62	142,128		16,071	18,213	18,260	18,067	18,532	17,675	17,904	17,405	0	0
G&A Opex	$2.52	46,956		5,869	5,869	5,869	5,869	5,869	5,869	5,869	5,869	0	0
Operating Costs	$21.45	**400,115**		**45,055**	**48,376**	**52,570**	**58,997**	**60,957**	**47,109**	**46,321**	**40,729**	**0**	**0**
Operating Profit		**396,502**		**36,750**	**66,942**	**62,416**	**47,013**	**30,570**	**32,651**	**61,915**	**47,985**	**10,260**	**0**
Energold NPI	5.0%	4,587		$0	$0	$0	$0	$0	$0	$3,169	$1,418	$0	$0
FN NPI (Schooner)	2.5%	2,083		$1,345	$738	$0	$0	$0	$0	$0	$0	$0	$0
Wheaton Royalty NSR	2.0%	15,932		$1,636	$2,306	$2,300	$2,120	$1,831	$1,595	$2,165	$1,774	$205	$0
Total Royalties		**22,603**	**$0**	**$2,981**	**$3,045**	**$2,300**	**$2,120**	**$1,831**	**$1,595**	**$5,334**	**$3,192**	**$205**	**$0**
Pre-tax Operating Cashflow		$373,899	$0	$33,769	$63,897	$60,116	$44,893	$28,739	$31,056	$56,581	$44,792	$10,054	$0
Capital		**$123,405**	**$105,385**	**$277**	**$588**	**$13,990**	**$2,856**	**$0**	**$309**	**$0**	**$0**	**$0**	
GST	5.0%	$6,170	$5,269	$14	$29	$699	$143	$0	$15	$0	$0	$0	$0
GST recovery		-$6,170		-$5,269	-$14	-$29	-$699	-$143	$0	-$15	$0	$0	$0
Working Capital (recovery)		$0	$11,181							-$10,063	-$1,118		
Reclamation & Closure, $/t	$0.75	$13,992							$1,399	$2,798	$2,798	$4,198	$2,798
Net Pre-tax Cashflow		**$236,502**	**-$121,835**	**$38,748**	**$63,293**	**$45,457**	**$42,594**	**$28,882**	**$29,332**	**$63,861**	**$43,112**	**$5,857**	**-$2,798**
Federal Income Tax (Recovery)		23,512	0	0	0	0	3,827	2,696	3,356	6,974	5,632	1,028	0
Yukon Income Tax		19,826	0	0	0	552	3,526	2,156	2,685	5,579	4,506	822	0
Quartz Mining Act Royalty		23,557	0	1,332	4,731	4,137	2,511	1,138	1,463	4,731	3,267	248	0
Total taxes		**66,896**	**0**	**1,332**	**4,731**	**4,689**	**9,865**	**5,990**	**7,503**	**17,284**	**13,404**	**2,097**	**0**
Net After Tax Cashflow		**$169,606**	**-$121,835**	**$37,415**	**$58,562**	**$40,768**	**$32,730**	**$22,892**	**$21,828**	**$46,577**	**$29,708**	**$3,759**	**-$2,798**
	Accum		**-$121,835**	**-$84,419**	**-$25,857**	**$14,911**	**$47,640**	**$70,532**	**$92,361**	**$138,938**	**$168,646**	**$172,405**	**$169,606**

22.9 Sensitivity

To estimate the relative strength of the project, base case sensitivity analyses have been completed analyzing the economic sensitivity to several parameters including changes in revenue, capital costs and average operating cash cost per tonne processed. The sensitivities are based on +/- 20% of the base case. The after-tax analysis is presented in Table 22-4. Sensitivity to gold price is presented in Table 22-5. Figure 22-2 presents a graphical representation of the after-tax sensitivities.

Table 22-4
After-Tax Sensitivity Analysis Results – US$,000,000 NPV @ 5%

Variation	Revenue	Opex	Capex
-20%	$30	$152	$127
-15%	$51	$142	$123
-10%	$72	$132	$119
-5%	$92	$122	$116
0%	$112	$112	$112
5%	$131	$101	$108
10%	$151	$91	$104
15%	$171	$81	$100
20%	$190	$70	$96

Table 22-5
Sensitivity of Economic Indicators to Gold Price

Gold Price Sensitivities (NPV 5%)				
Gold Price	**After Tax**		**Pre-Tax**	
US$/oz	**US$M**	**IRR%**	**US$M**	**IRR%**
$1450	53.4	16.2	73.0	19.1
$1500	65.4	18.6	90.4	22.1
$1600	88.7	23.2	125.2	28.0
$1700	**111.6**	**27.6**	**160.0**	**33.5**
$1800	134.3	31.7	194.7	38.9
$1900	156.8	35.7	229.5	44.2
$2000	179.3	39.6	264.2	49.2

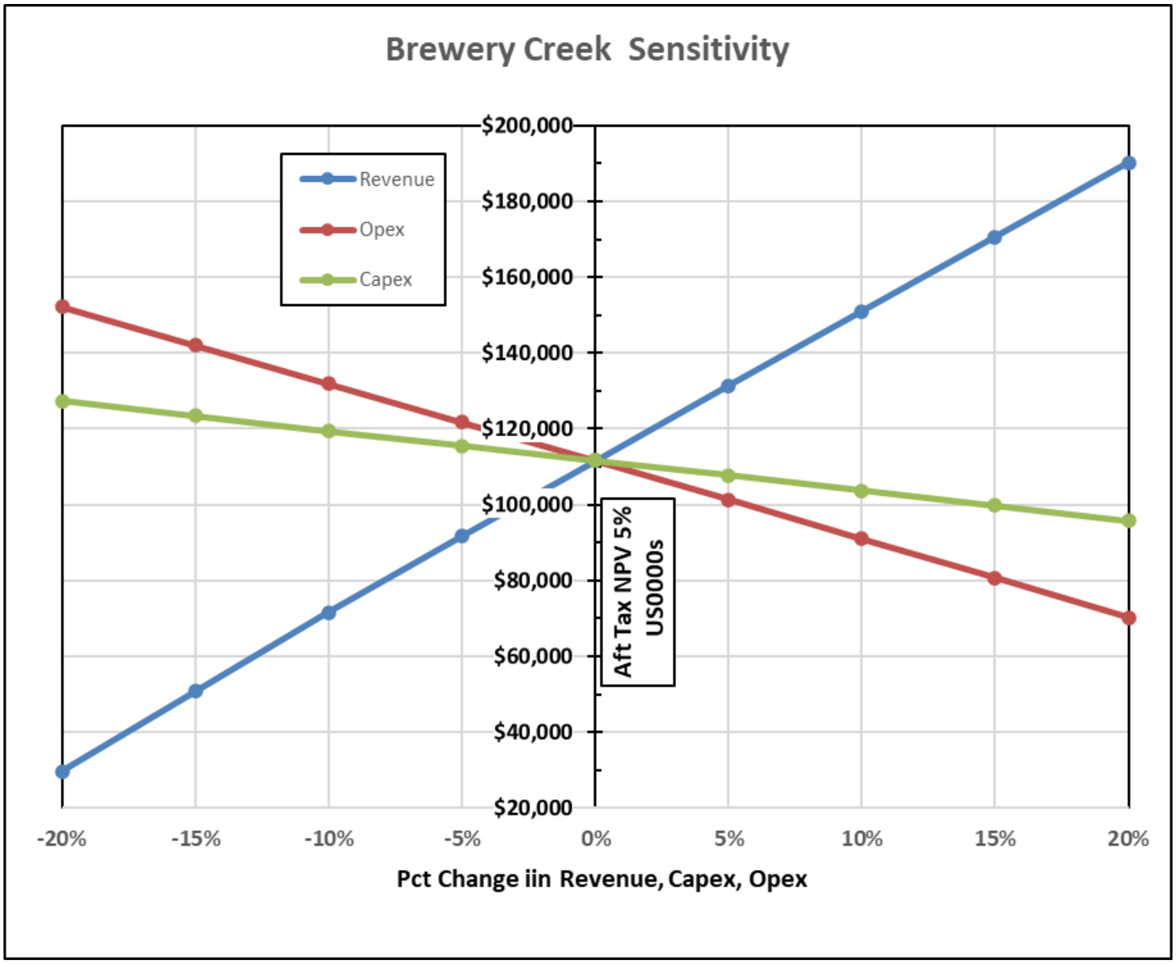


Figure 22-2 After Tax Sensitivity – NPV @ 5%

23.0 ADJACENT PROPERTIES

There are no mining properties adjacent to the Brewery Creek Project.

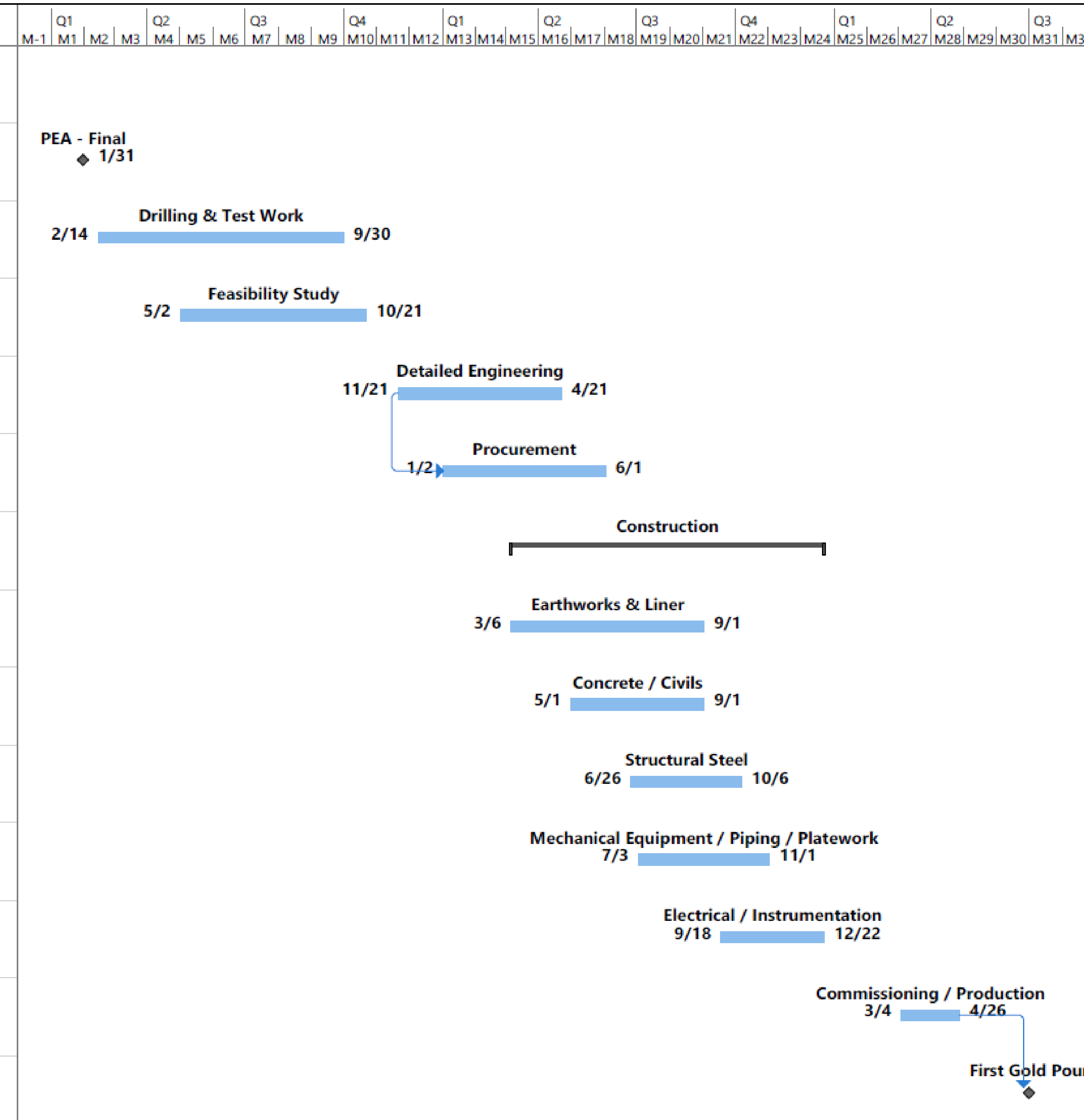
24.0 OTHER RELEVANT DATA AND INFORMATION

24.1 Project Implementation

Based on the results of the preliminary economic assessment, a pre-feasibility or feasibility level study should be conducted as part of the continued development of the Brewery Creek Project. The current PEA is advanced in several areas with plans for continued exploration and in-fill drilling to expand the gold resource. Advancement of permitting activities should be performed concurrently with current project development.

A proposed project development and implementation schedule is presented in Figure 24-1. This schedule assumes all necessary permits are in place once the project moves into the construction phase.

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
1						
2		PEA - Final	0 days	Mon 1/31/22	Mon 1/31/22	
3		Drilling & Test Work	165 days	Mon 2/14/22	Fri 9/30/22	
4		Feasibility Study	125 days	Mon 5/2/22	Fri 10/21/22	
5		Detailed Engineering	110 days	Mon 11/21/22	Fri 4/21/23	
6		Procurement	109 days	Mon 1/2/23	Thu 6/1/23	5SS+21 days
7		**Construction**	**210 days**	**Mon 3/6/23**	**Fri 12/22/23**	
8		Earthworks & Liner	130 days	Mon 3/6/23	Fri 9/1/23	
9		Concrete / Civils	90 days	Mon 5/1/23	Fri 9/1/23	
10		Structural Steel	75 days	Mon 6/26/23	Fri 10/6/23	
11		Mechanical Equipment / Piping / Platework	88 days	Mon 7/3/23	Wed 11/1/23	
12		Electrical / Instrumentation	70 days	Mon 9/18/23	Fri 12/22/23	
13		Commissioning / Production	40 days	Mon 3/4/24	Fri 4/26/24	
14		First Gold Pour	0 days	Sun 6/30/24	Sun 6/30/24	13



Project: Preliminary Constructio
Date: Mon 1/10/22

Task		Project Summary		Manual Task		Start-only		Deadline	
Split		Inactive Task		Duration-only		Finish-only		Progress	
Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
Summary		Inactive Summary		Manual Summary		External Milestone			

Page 1

Figure 24-1 Project Development & Implementation Schedule

24.2 Groundwater

24.2.1 Hydrogeological Setting

The local hydrogeological system of Brewery Creek consists of a bedrock aquifer which is partially overlain and confined by discontinuous permafrost. The bedrock of the proposed open pits and deposits is composed primary of Middle Cretaceous fine to medium grained, generally porphyritic quartz monzonite and Devonian carbonaceous shale, siltstone, sandstone, argillite, and graphitic argillite. The bedrock geology will be simplified into the following main lithologies argillite, monzonite, siltstone, and tuff.

The discontinuous permafrost affects the occurrence of shallow groundwater in the following manner, beside the regional bedrock groundwater flow system, localized shallow perched groundwater may occur in overburden sediments. Tetra tech in 2016, determined the local perched groundwater within overburden would mainly be restricted to the active (seasonally thawed) zone above the permafrost areas.

24.2.2 Groundwater Occurrence and Flow

Groundwater flow predominantly occurs within secondary fractures, joints, and faults within the argillite and monzonite bedrock aquifer. Therefore, the occurrence and hydraulic properties of fractures and fracture zones will affect and control groundwater flow directions and overall hydraulic properties of the bedrock aquifer.

The regional groundwater flows from areas of higher head to lower head, with groundwater recharge occurring at higher elevations with groundwater discharging to surface water bodies at lower elevations in the valleys. However, permafrost conditions and low hydraulic conductivity overburden sediments consisting of silt upland areas have the potential to reduce infiltration of surface water and slow recharge of the bed rock aquifer.

Bedrock is generally encountered at shallow depths ranging from bear surface to a few meters below ground surface. Colluvial deposits cover 99% of the natural terrain. The long period of exposure of surface to weathering, frost-shattering, and soil creep has yielded well-developed colluvial veneers on most surfaces. Overburden typically consists of a veneer (up to 1 m thick) to blanket (1 m to 3 m thick) of deeply weathered bedrock underlying colluvium.

The depth to groundwater varies, mainly dependent on the elevation (deeper near hill tops; shallower or artesian in valley bottoms). All proposed open pits will likely encounter groundwater. The base of the proposed open pit in Bohemian area will only slightly reach into the saturated zone. There is also a possibility that the Bohemian pit will not reach below the groundwater table.

Based on currently available data, the Schooner pit would likely not encounter groundwater. More significant portions of the proposed open pits in the Big Rock, Kokanee, Golden, Lucky, and especially Lower Foster area will probably be completed below the static groundwater elevation.

Groundwater recharge through the overburden material to the bedrock aquifer occurs in areas where permafrost is absent while the main groundwater recharge in conjunction with the highest groundwater levels is expected to occur during May-June. Shallow groundwater in the overburden is interpreted to occur in local, small-scale flow cells, with flow direction mainly mimicking local topography. Due to the high hydraulic conductivity of the overburden sediments consisting of sand and gravel areas with shallow monzonite bedrock and the presence of permafrost beneath the active zone, the shallow groundwater can likely be characterized as temporary or seasonal subsurface runoff.

24.2.3 Surface Water- Groundwater Connectivity

General groundwater flow direction within the bedrock aquifer to the west of the water divide between Kokanee and Golden is southward towards Laura Creek while the Big Rock Area groundwater flows towards Pacific Creek to the north. Bedrock groundwater from the Leach pad discharged into Carolyn Creek prior to connection with Laura Creek. To the east of the water divide between Kokanee and Golden deposits, groundwater in the Golden, Lucky, Bohemian and Schooner deposit discharges into Lucky Creek which flows east where runs into Golden Creek Flowing south. All waters discharged from the project area eventually end up in the South Klondike River.

Based on the artesian conditions of several low-lying monitoring wells and the high topography in the area discharge of groundwater to streams is a likely occurrence. The largest groundwater baseflow will occur late in summer when seasonally intermittent ground frost temporarily thaws, infiltration recharging groundwater is greatest and groundwater levels are at their seasonal highs.

24.2.4 Groundwater Flow Properties

Hydraulic conductivities of the different bedrock units ranged from 10^{-8} m/s to 10^{-5} m/s with the highest values estimated for the Lower Foster and Kokanee areas. The representative average bulk bedrock hydraulic conductivity is in the range of 10^{-7} to 10^{-6} m/s. Packer test results vary over several orders of magnitude but show consistent geometric mean values of about 10^{-8} m/s to 10^{-7} m/s for the different lithological units encountered. These results are representative for the short discrete test intervals and single features like fractures, faults, or shear zones that can significantly affect the hydraulic conductivity. The hydraulic conductivities inferred from slug and pumping test results for monzonite and argillite are significantly larger.

24.2.5 Groundwater Quality

The groundwater quality for some analytes naturally exceeds The Yukon Environment Act Contaminated Sites Regulation, and Environment Canada Guidance Document on Federal Interim Groundwater Quality Guidelines for Federal Contaminated Sites for fine and coarse textured soil. Baseline groundwater chemistry was relativity similar throughout the sites. The groundwater samples were classified based on their major ion chemical composition, considering the major anions and cations. Calcium and magnesium were the dominating cations in all samples. Anion composition was dominated by bicarbonate and/or sulphate. Dissolved metals showed natural exceedances of water quality standards and guidelines as often observed in mineralized areas. Some of the areas down-gradient of existing or reclaimed pits showed significantly higher sulphate and metals concentrations when compared to the respective up-gradient areas. In the upgradient areas sulphate, dissolved and total cadmium, dissolved and total selenium, dissolved arsenic, dissolved copper was exceeded.

The exceedances do not imply that the groundwater at the sites is contaminated; only that background concentrations of these parameters are higher than typically found in other natural sites in Canada, and merely reflect the natural geological and hydrogeologic conditions within these specific areas of the project areas.

Comparison of the multiple years of groundwater data indicated that groundwater quality parameters were generally in the same range and that seasonal trends were generally in the same range.

25.0 INTERPRETATIONS AND CONCLUSIONS

The following conclusions, opportunities and risks have been identified for the Brewery Creek Project and merit further consideration during future studies and project development:

25.1 Conclusions

The Brewery Creek Project is a previously operating mine located in the Yukon Territory, Canada. The Project is accessible year-round from Dawson City by a mostly paved access road and has maintained some of the infrastructure from the original operations which are currently supporting new exploration at the project site. The work that has been completed demonstrate that the Brewery Creek Project is potentially an economically viable project and justifies additional work. More specific conclusions are presented in the sections below.

25.1.1 Mining

This PEA was developed to evaluate the potential economic viability of the Brewery Creek Project. Mineral Resources, including Inferred Resources, were considered in all phases of the mining evaluation from pit optimization through design and production scheduling. To accurately capture additional waste generated by the modifying factors in pit design, the Resource model was re-blocked to 10 x 10 x 6 m blocks, and any blocks not containing estimated data were considered waste. Due to the inclusion of Inferred Resources, Mineral Reserves have not been estimated.

Geotechnical and hydrogeological data used for this PEA is at varying levels of detail. Pit designs were developed using an inter-ramp angle of 48 degrees.

The preliminary pit designs recover 92% of the mineralized material tonnes and 80% of the contained ounces shown in the pit optimization results. The variance between the optimization results and the designs is due to access requirements and terrain constraints.

25.1.2 Metallurgy & Process

Metallurgical test work completed indicates that material available at the multiple pits at Brewery Creek are amenable to cyanide leaching for the recovery of precious metals. Based on the mine schedule developed for the PEA, overall recovery for gold is estimated at 75.4% with an overall estimated cyanide consumption of 0.27 kg/t material processed and lime consumption of 2.4 kg/t material processed. Cement agglomeration is not required for heap permeability or stability for heap heights up to 60 m.

Mineralized material will be crushed in three stages to 80% passing 19 mm at an average rate of 9,000 tonnes per day. Crushed material will be conveyor stacked onto the leach pad and leached using a low concentration sodium cyanide solution. The resulting pregnant leach solution will be processed in an ADR plant for the recovery of gold.

25.2 Opportunities

25.2.1 Mineral Resource

The Brewery Creek property includes three oxide deposits (Classic, Lonestar and Sleeman). which have not been included in the economic assessment of the PEA. The Classic deposit is located approximately 3 km south of the main Brewery Creek deposit trend. The deposit was originally discovered in 1991 (Hemlo Gold Mines Inc.-Loki Gold Corporation) through a southern grid expansion. The Classic Zone was then being classified as an isolated, arsenic gold anomaly. To date, the Classic deposit remains poorly understood with current interpretations based on the underlying syenite pluton and faulting. It is currently defined by 52 reverse-circulation drillholes and 17 core holes, totaling 13,478 meters. The currently identified mineralization lies entirely on the southwest side of the Classic Fault. The deposit is ~1400 meters in length, ~30 meters wide, and ~240 meters down dip.

Mineralization is found to exist within centimeter-scale sheeted quartz veinlets. Structurally, the Classic Zone is open at depth and in both directions along strike. Cutting across the eastern portion is the northwest trending and steeply southwest dipping Classic fault which is mapped to be post intrusion and post mineralization

The Lone Star mineralized area lies along the northeast side of the Classic Fault, southeast of and adjacent to the Classic Zone. Surface mineralization was first recognized by soil sampling in the 1990’s but the area remained untested until 2012. Drilling in 2012 consists of 17 core holes and 12 RC holes, totaling 6,147 meters. The deposit is ~1100 meters in length, ~20 meters wide, and ~220 meters down dip.

The same alkalic suite of intrusions that host Classic also host Lone Star. The suite intruded along a zone with an azimuth of 290°, centered on and sub parallel to the post-mineralization Classic fault.

Alteration includes development of a propylitic mineral assemblage of chlorite, calcite and pyrite, and local development of sheeted quartz-carbonate-pyrite-arsenopyrite ±chalcopyrite veins. Three styles of mineralization occur at Lone Star; elevated Au associated with skarns, disseminations in syenite, and auriferous sheeted quartz veins. The geometry of the system is poorly understood; it remains open in both strike directions and at depth.

The Sleeman deposit is located to the east of the BCRT and may possibly demarcate the easternmost extent of the trend. It was discovered by mapping, soil sampling and trenching, and was first drilled in 1992. The zone is currently defined by 7 reverse-circulation drillholes and 58 core drillholes, totaling 11,374 meters. A linear distance of approximately 9 km separates the zone from the heap leach pad. The deposit is ~500 meters in length, ~25 meters wide, and ~220 meters down dip.

Mineralization at Sleeman is associated with an altered tabular-shaped quartz monzonite intrusion that cuts siltstone of the Steel formation and graphitic argillite of unknown affinity. It has a known strike length of 500 meters and is open in both strike directions and at depth.

The style of veining and alteration at Sleeman is similar to other deposits found within the BCRT with the exception of the presence of elevated base metal concentrations, particularly lead and zinc.

Additionally, the following opportunities have been identified:

- Exploration drilling to expand the leachable mineral resource with several prospective targets identified
- In-fill drill the areas of inferred resource in the deposits analyzed in this PEA to upgrade them to Measured and Indicated levels of confidence for future conversion to reserves
- Conduct trade off study for contract mining versus owner mining to potentially reduce up front capital and enhance LOM economics.
- New leach pad locations should be investigated to accommodate material from additional deposits as they are brought into minable status.
- Further evaluation of the potential of the sulphide material at depth in all the deposits. Preliminary metallurgical testing has shown good recoveries of gold can be obtained by a flotation process.
- Continue expanding and upgrading resources at 3 oxide deposits not included in the PEA, Classic, Lonestar and Sleeman.

25.2.2 Mining

The Project currently considers Owner mining. A trade-off study for contract mining versus owner mining should be conducted to potentially reduce up front capital and enhance LOM economics.

Additionally, the following opportunities have been identified:

- Conversion of Inferred Mineral Resources into Measured and Indicated Resources could increase the quantity of mineralized material available for possible conversion into Mineral

Reserves. This may increase the economic viability of a Mineral Reserve for the project, if a more detailed level of study is undertaken.

- Additional refinement of the geo-metallurgical recovery model may benefit the level of confidence in the mining and processing plans for the project.
- Increased levels of detail in geotechnical and hydrogeological data will allow for pit designs to be performed at a higher level of confidence in the areas of safety and feasibility of extraction. Increasing the confidence that material contained within the pit designs can be used to demonstrate potential economic viability and future conversion to Mineral Reserves.
- Identification of opportunities to further refine and reduce the project's operating costs can result in a net positive benefit to the economics of the project due to the impact operating cost has on the cut-off grade.

25.2.3 Metallurgy and Process

The most recent metallurgical test work program completed by McClelland labs showed almost negligible recovery improvements for a crushed product size of 80% passing 9.5 mm compared to 80% passing 19 mm. There is an opportunity that three stage crushing may not be required to achieve the recoveries presented in the report, which would reduce the capital and operating cost requirements for the project.

Previous works and studies completed on the project indicate that additional values may be recovered from the previously leached material with crushing and agglomeration with cement. Because this report already considers reclaiming the existing leach pad, there is an opportunity to re-process select regions of the existing heap to increase the total ounces of gold produced.

25.2.4 Environmental and Permitting

Opportunities for environmental and permitting include:

- Environmental monitoring programs could be executed in collaboration with members of the THFN including providing training in collection and documentation practices as required.
- Evaluation of alternative techniques for managing heap material and waste rock geochemistry (e.g., saturated rock fill, impermeable cover) that could limit the risk of exceeding water chemistry permit levels could be completed during future project phases.
- Evaluation of passive/semi-passive treatment technologies (e.g., biochemical reactor cells, constructed wetlands) that could facilitate metal removal and heap leach detoxification.

25.3 Risks

Sabre does not currently hold a mining license for the property as the former mining licenses expired on 31 December 2021. A new proposal will be submitted to the Yukon Environmental and Socio-Economic Assessment Board (YESAB) in early 2022, and the risk of not receiving the license is considered small.

Technical risks to the Brewery Creek Project include:

25.3.1 Mining

This PEA includes Measured, Indicated and Inferred Mineral Resources; Mineral Resources are not Mineral Reserves and do not have demonstrated economic viability. This PEA also includes Inferred Mineral Resources that are too speculative for use in defining Reserves. The mine designs were based on a geo-metallurgical recovery model, which may be refined as additional data is available. Changes in the model can affect the mine design and production schedule.

Geotechnical and hydrogeological data used for this PEA is at varying levels of detail. Additional studies may affect pit design parameters and reduce the mining recovery of the Resource.

Project economics are sensitive to changes in the Mine OPEX and metal prices. Increase in OPEX or reduction in metal price can affect the cut-off grade and the overall economics of the project.

25.3.2 Metallurgy & process

The primary identified risks to the Brewery Creek Project include known preg-robbing material in the Brewery Creek pits, integrity of the existing leach pad liner and solution collection systems and environmental considerations for removal of the heap residue. These risks are discussed in greater detail below.

25.3.2.1 Preg-Robbing Material

The Brewery Creek Project has known preg-robbing material which may reduce the overall heap performance and recovery if processed and presents a moderate risk to the project. Since 2011, Sabre Gold has routinely assayed for preg-robbing material and the data indicates the preg-robbing material is confined to sedimentary rocks which were abundant host rocks in the Pacific and Blue pits during the previous mining operation. The pits being targeted for mining in the PEA have gold hosted in intrusive rocks which are largely void of preg-robbing characteristics and contain only minor amounts of sedimentary rocks. There is a strong visual difference between the sedimentary and intrusive rocks at Brewery providing easy visual control during mining if sediments are encountered. Use of cyanide soluble gold content with material cut-off grade will also reduce the amount of preg robbing material being processed in the heap.

25.3.2.2 Existing Leach Pad Liner and Solution Collection System

There is a risk that existing leach pad liner may not be intact or the solution collection systems may be damaged and not conducting solution from the leach pad which would present a significant risk to the Project. The Project assumes that the existing leach pad liner and solution collection systems are intact and are suitable for both containment and transfer of resulting solutions out of the leach pad to a new solution collection ditch. To ensure that the liner is not damaged during reclamation, a 2 m buffer of material plus the original 1 m of pad cover (3 m total) will not be removed. If either of these systems are damaged there would be significant capital required to repair the damage and may prevent the use of the leach pad for new operations.

25.3.2.3 Environmental Considerations

The Project considers removing previously leached material from containment and depositing the material in various waste rock storage facilities. During the partial reclamation of the project, the leach pad was thoroughly rinsed to remove any remaining trace cyanide amounts and other deleterious elements before being recontoured and covered with topsoil. The recontouring included removing some material from containment and for this reason Sabre Gold has concluded that the existing material is considered inert and therefore can be removed from containment with no additional testing or considerations. Removal of material from the leach pad is integral to the project and if it is determined that additional characterization, treatment or containment is required this would impact the timing and cost of the project.

26.0 RECOMMENDATIONS

The PEA presents a potentially economic and robust project. Based on these results, Tetra Tech has the following recommendations for the mine design and plan:

- Complete a Pre-Feasibility or Feasibility level design for all pit areas, including a more detailed plan for the first three years, and incorporating any additional drilling and design information.
- Tetra Tech recommends additional geotechnical analysis be performed, where appropriate, to support mine and waste rock dump designs.
- Consider additional drilling to convert Inferred Resources to Measured or Indicated Resources, to generate an updated Resource model.
- Continue water monitoring at the site and create a numerical hydrogeological model. Additionally, generate a hydrogeological field program for the areas of Big Rock (East and West), as well as Schooner and Bohemia.
- Tetra Tech recommends that a PEA-level economic scenario be generated using contract mining.

Total estimated costs to complete these studies is US$1.3 million.

KCA recommends the following future work for process and infrastructure development:

- The project should proceed to the pre-feasibility or feasibility study level.
- Metallurgical test work on coarse crushed material (P_{100} 38 mm, P_{100} 50 mm) to evaluate if three stage crushing is required.
- Complete geotechnical and stability analysis for 60 m heap stacking height.
- Perform additional characterization work on heap residue to determine if any potential contaminants could be released.

Total estimated costs to complete KCA recommended studies is US$650,000.

The leach recoveries for the geo-metallurgical model were estimated from a variety of historical data sources with different analytical techniques used in different deposit areas. These were assembled into an overall recovery model for each lithology (intrusives and sediments) via a series of regression and factor analyses. Current work is developing a more definitive relationship between bottle rolls tests and leach column tests thus, Gustavson recommends:

- All additional drilling be analyzed with both fire assay and bottle roll testing.

- The level of bottle roll testing be developed to a level to quantify the economic risk from variability in recoveries.
- Infill drilling will be used to feed the models for estimation and classification of both grade and recovery.

Estimated drilling to upgrade the mineral resource and recovery models in Keg, Lucky and Bohemian/Schooner is about 7000m. With analysis, the cost is expected to be about US$300/m for a total estimated cost of $2.1 million. Gustavson recommends that this be completed in two stages with $1.0 million prior to completing a Prefeasibility study and if the decision is made to proceed to a feasibility study an additional $1.1 million dollars.

Wood recommends the following additional work for the environmental and permitting development:

- Install groundwater monitoring well west of heap leach and adjacent to Carolyn Creek to facilitate characterizing groundwater around the heap.
- Install groundwater monitoring well east of heap leach and upgradient of Laura Creek to facilitate characterizing groundwater around the heap and evaluate the potential for subsurface flow from the heap discharging to Laura Creek.
- Develop Trigger Action Response Plans (TARPs) for parameters of concern (POCs) including Ammonia, Antimony, Arsenic, Bismuth, Total Cyanide, Mercury, Selenium, Weak Acid Dissociable Cyanide, and Zinc to define actions required to address elevated POC concentrations
- Establish and operate three air quality monitoring stations with two stations located downwind of refinement infrastructure and where heavy equipment will be operated and one station at a cross-wind location to capture background conditions.

Total costs to complete this work is estimated at US$590,000

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Vista, 2012. Letter from Vista Tek Limited to Golden Predator regarding September 2012 Engineering Inspection – Brewery Creek Mine, dated October 3, 2012.

Walker, 2012. Airborne Geophysical Survey Report Brewery Creek Block 2012. Precision GeoSurveys Inc. October 2012.

YEMR, 2004. Amendment to Yukon Quartz Mining License A99-001. Issued by Yukon Energy, Mines Resources to Viceroy Minerals Corporation, dated April 6, 2004.

YEMR, 2012a. Class 4 Quartz Mining Permit, Executed by Glenna Southwick of Yukon Energy, Mines and Resources on July 6, 2012.

YEMR, 2012b. Letter from Bryony McIntyre of Yukon Energy, Mines and Resources to John Legg of Golden Predator Canada Corp. regarding Assignment of Quartz Mining License A99-001 – Brewery Creek, dated July 6, 2012.

YEMR, 2012c. Type B Water License No. MN12-038. Permitted to Golden Predator Corporation by Yukon Water Board, dated August 6, 2012.

Yukon, 2018. Post-Season Report – Quartz Mining Land Use Authorization. To Golden Predator Mining Corp by Yukon Energy, Mines and Resources, dated November 5, 2018.

Yukon, 2018. Quartz MLU/Mining/Water Use Inspection Report. Prepared by Yukon Energy Mines and Resources, dated August 08, 2018.

28.0 DATE AND SIGNATURE PAGE

This report, entitled "Preliminary Economic Assessment NI 43-101 Technical Report on the Brewery Creek Project, Yukon Territory, Canada" has the following report dates:

Report Date is: 18 Jan 2022

Mineral Resource Effective Date is: 31 May 2020

The report was prepared and signed by the Qualified Persons as presented in the following certificates:

CERTIFICATE OF QUALIFIED PERSON

I, Caleb Cook, P.E., of Reno, Nevada, USA, Project Engineer at Kappes, Cassiday & Associates, as an author of this report entitled "NI 43-101 Technical Report on Resources, Brewery Creek Project, Yukon Canada", prepared for Sabre Gold Mines Corp. (the "**Issuer**") do hereby certify that:

1. I am employed as a Project Engineer at Kappes, Cassiday & Associates, an independent metallurgical and engineering consulting firm, whose address is 7950 Security Circle, Reno, Nevada 89506.

2. This certificate applies to the technical report "Preliminary Economic Assessment NI 43-101 Technical Report on the Brewery Creek Project, Yukon Canada", effective date 18 January 2022 (the "**Technical Report**").

3. I am a Professional Engineer in the state of Nevada (No. 025803) and my qualifications include experience applicable to the subject matter of the Technical Report. In particular, I am a graduate of the University of Nevada with a B.S. in Chemical Engineering (2010) and have practiced my profession continuously since graduating. Most of my professional practice has focused on the development of gold-silver leaching projects.

4. I am familiar with National Instrument 43-101 – *Standards of Disclosure for Mineral Projects* ("**NI 43-101**") and by reason of education, experience and professional registration I fulfill the requirements of a "qualified person" as defined in NI 43-101.

5. I visited the Brewery Creek property for a total of one day on October 3rd, 2019.

6. I am responsible for Sections 1.1, 1.7, 1.10, 1.11, 1.12, 1.13, 1.14.1, 1.14.2, 1.14.3, 1.14.3.2, 1.15.1, 2, 13, 17, 18, 19, 21.0, 21.1, 21.1.2 through 21.1.10, 21.2, 21.2.2, 21.3, 22, 24.1, 25.0, 25.1, 25.1.2, 25.2.3, 25.3, 25.3.2 and 28 and co-responsible for Sections 26 and 27 as they pertain to metallurgy, processing and infrastructure of the Technical Report.

7. I am independent of the Issuer as described in section 1.5 of NI 43-101.

8. I have had no prior involvement with the property that is the subject of the Technical Report other than as an author of the previous technical reports entitled "NI 43-101 Technical Report on Resources, Brewery Creek Project Yukon, Canada" dated 05 October 2020 and "NI 43-101 Technical Report on Resources, Brewery Creek Project, Yukon, Canada" date 13 January 2020.

9. I have read NI 43-101 and the Technical Report has been prepared in compliance with NI 43-101.

10. As of the effective date of the Technical Report, to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

Dated this 28th day of January, 2022

"Caleb Cook"

Caleb Cook, P.E. Chemical Engineering
Project Engineer
Kappes, Cassiday & Associates

DONALD E. HULSE, P.E.

Vice President

Gustavson Associates, LLC

274 Union Boulevard, Suite 450

Lakewood, Colorado 80228

Telephone: 720-407-4062 Facsimile: 720-407-4067

Email: dhulse@gustavson.com

CERTIFICATE of AUTHOR

I, Donald E. Hulse, P.E., SME-RM do hereby certify that:

1. I am currently employed as VP of Mining by Gustavson Associates, LLC at:

   200 Union Boulevard
   Suite 440
   Lakewood, Colorado 80228

2. I am a graduate of the Colorado School of Mines with a Bachelor of Science in Mining Engineering (1982) and have practiced my profession continuously since 1983.

3. I am a registered Professional Engineer in the State of Colorado (35269), and a registered member of the Society of Mining Metallurgy & Exploration (1533190RM).

4. I have worked as a mining engineer for a total of 39 years since my graduation from university; as an employee of a major mining company, three engineering companies, and as a consulting engineer. I have performed resource estimation and mine planning on numerous gold deposits for over 19 mining companies in nine countries working as a consultant as well as an engineer or engineering manager for the projects.

5. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.

6. I visited the property between September 30 through October 2, 2019.

7. I am responsible for the preparation of the technical report entitled "Preliminary Economic Assessment NI 43-101 Technical Report on the Brewery Creek Project Yukon Territory, Canada", mineral resource effective date May 31, 2020, and dated January 18, 2022 (the "Technical Report"), with specific responsibility for Sections 1.2 through 1.6,

1.8, 1.15.3, 3, 4, except 4.4 and 4.5, 5, 6 through 12, 14, 23, and for portions of 25 and 26 that apply to exploration, drilling, and Mineral Resource.

8. I have had prior involvement with the property that is the subject of this Technical Report. I was responsible for Sections 14.1, 14.5, and 14.6 of the technical report titled "NI 43-101 Technical Report on Resources, Brewery Creek Project, Yukon Territory, Canada," dated October 23rd, effective date June 1st. I was also responsible for the preparation of the technical report entitled "NI 43-101 Technical Report on Resources, Brewery Creek Project, Yukon Territory, Canada", effective date June 1st, 2013, and dated January 21, 2014 (the "Technical Report"), with specific responsibility for Sections 14.1,14.5 and 14.6. I was also responsible for "NI 43-101 Technical Report on Resources; Brewery Creek Project; Yukon, Canada, Effective Date October 1, 2019; Report Date January 13, 2020

9. I am independent of the issuer, Sabre Gold, applying all tests in Section 1.5 of National Instrument 43-101.

10. I have read National Instrument 43-101 and Form 43-101, and the Technical Report has been prepared in compliance with that instrument and form.

11. As of the date of this certificate, to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

Dated this 28th day of January 2022

/s/ Donald E. Hulse (Signature)
Signature of Qualified Person

Donald E. Hulse
Print name of Qualified Person

CERTIFICATE OF QUALIFIED PERSON

I, Guillermo Dante Ramírez-Rodríguez, PhD, MMSAQP, of Golden, Colorado do hereby certify:

1. I am a Principal Mining Engineer with Tetra Tech, Inc. with a business address of 350 Indiana St., Suite 500, Golden, CO 80401.

2. This certificate applies to the technical report titled "Preliminary Economic Assessment NI 43-101 Technical Report on the Brewery Creek Project Yukon Territory, Canada dated 18 January 2022 (the "Technical Report").

3. I have a Bachelor's degree in Mining and Metallurgical Engineering from the University of Zacatecas School of Mines in Mexico, and a Master and Doctorate degree in Mining and Earth Systems Engineering from the Colorado School of Mines, in the United States of America. I am a QP member for the Mining and Metallurgical Society of America. I have over 35 years of professional experience since my graduation in 1987. I am a "Qualified Person" for purposes of National Instrument 43-101 (the "Instrument").

4. I inspected the property on September 8, 2021.

5. I am responsible for Sections 1.9, 1.14.3.1, 1.15.2, 15, 16, 21.1.1, 21.2.1, 25.1.1, 25.2.2, and 25.3.1 and co-responsible for Sections 26 and 27 as they pertain to mining of the Technical Report.

6. I satisfy all the requirements of independence according to NI 43-101.

7. I have read the Instrument, and the parts of the Technical Report that I am responsible for have been prepared in compliance with the Instrument.

8. As of the date of this certificate, to the best of my knowledge, information and belief, the parts of the Technical Report that I am responsible for contain all scientific and technical information that is required to be disclosed to make the technical report not misleading.

Signed and dated January 28 at Golden, Colorado.

"Dr. Guillermo Dante Ramírez-Rodríguez"

Guillermo Dante Ramírez-Rodríguez PhD, MMSAQP
Principle Mining Engineer
Tetra Tech, Inc.

CERTIFICATE OF QUALIFIED PERSON

I, Dr Mario Bianchin, P.Geo., am employed as a Principal Hydrogeologist with Wood Canada Limited (doing business as Wood), located at #400 – 111 Dunsmuir Street, Vancouver, BC V6B 5W3, Canada.

This certificate applies to the technical report titled “Preliminary Economic Assessment NI 43-101 Technical Report on the Brewery Creek Project, Yukon Territory, Canada” that has an effective date of 18 January 2022 (the “technical report”).

I am a Professional Geoscientist with Engineers and Geoscientists of British Columbia, membership #39051. In addition, I am a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of Alberta, membership #201901. I graduated with a PhD in Geological Sciences from the University of British Columbia in 2010.

I have practiced my profession for 21 years. I have been directly involved in environmental baseline studies, water and water management scopes for mining projects since 2010.

As a result of my experience and qualifications, I am a Qualified Person as defined in National Instrument 43–101 *Standards of Disclosure for Mineral Projects* (NI 43–101).

I visited the Brewery Creek Project on September 24, 2020.

I am responsible for Sections 1.15.4, 4.4, 4.5, 20, 24.2, 25.2.4 and co-responsible for Sections 26 and 27 as they pertain to environmental and permitting of the technical report.

I am independent of Sabre Gold Mines Corp. as independence is described by Section 1.5 of NI 43–101.

I have been involved with the Brewery Creek report since 2021 and have co-authored the following report on the project:

- Cook, C., Hulse, D., Emanuel, C., TETRA TECH and M. Bianchin. Maycock, J., Luraschi, A., Mendoza, M., Bianchin, technical report prepared by Kappes, Cassiday & Associates, Gustavson, Tetra Tech and Wood PLC for Sabre Gold Mine, effective date 18 January 2022.

I have read NI 43–101 and the sections of the technical report for which I am responsible have been prepared in compliance with that Instrument.

As of the effective date of the technical report, to the best of my knowledge, information and belief, the sections of the technical report for which I am responsible contain all scientific and technical information that is required to be disclosed to make the technical report not misleading.
Dated: 28 January, 2022

"Dr. Mario Bianchin"

Dr Mario Bianchin, P.Geo.
Principal Hydrogeologist
Wood Canada Limited

Appendix A Claims and Lease List

GRANT NUMBER	CLAIM TYPE	CLAIM NAME	CLAIM NUMBER	CLAIM OWNER	CLAIM AREA Ha	EXPIRY DATE	Count
YB23349	Quartz	EEL #	37	Golden Predator Exploration Ltd. - 100%	18.58	1/20/2029	1
YB40346	Quartz	Eel	333	Golden Predator Exploration Ltd. - 100%	17.37	1/20/2024	2
YB40278	Quartz	Flee	113	Golden Predator Exploration Ltd. - 100%	13.93	1/20/2023	3
YD86562	Quartz	BCX	62	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	4
YB17738	Quartz	Lee	71	Golden Predator Exploration Ltd. - 100%	17.82	1/20/2027	5
YD03463	Quartz	EELX	63	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	6
YD86617	Quartz	BCX	117	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	7
YB40410	Quartz	Eel	390	Golden Predator Exploration Ltd. - 100%	21.2	1/20/2024	8
YB23543	Quartz	Ele	3	Golden Predator Exploration Ltd. - 100%	21.99	1/20/2025	9
YB23988	Quartz	Flee	66	Golden Predator Exploration Ltd. - 100%	12.8	1/20/2025	10
YD86553	Quartz	BCX	53	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	11
YB39537	Quartz	Eel	88	Golden Predator Exploration Ltd. - 100%	19.61	1/20/2026	12
YB17741	Quartz	Lee	74	Golden Predator Exploration Ltd. - 100%	19.71	1/20/2027	13
YD03423	Quartz	EELX	23	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	14
YB39559	Quartz	Eel	110	Golden Predator Exploration Ltd. - 100%	17.45	1/20/2026	15
YB39592	Quartz	Eel	143	Golden Predator Exploration Ltd. - 100%	10.87	1/20/2026	16
YB23972	Quartz	Flee	50	Golden Predator Exploration Ltd. - 100%	10.11	1/20/2025	17
YB17728	Quartz	Lee	61	Golden Predator Exploration Ltd. - 100%	17.01	1/20/2027	18
YD86614	Quartz	BCX	114	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	19
YD86669	Quartz	BCX	169	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	20
YD03437	Quartz	EELX	37	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	21
YB23323	Quartz	EEL #	11	Golden Predator Exploration Ltd. - 100%	17.17	1/20/2029	22
YB40485	Quartz	Eel 415A	0	Golden Predator Exploration Ltd. - 100%	3.38	1/20/2024	23
YB17731	Quartz	Lee	64	Golden Predator Exploration Ltd. - 100%	20.29	1/20/2027	24
YB23789	Quartz	Ele	33	Golden Predator Exploration Ltd. - 100%	12.18	1/20/2025	25
YB40328	Quartz	Eel	315	Golden Predator Exploration Ltd. - 100%	19.65	1/20/2024	26
YB17733	Quartz	Lee	66	Golden Predator Exploration Ltd. - 100%	19.45	1/20/2027	27
YB23825	Quartz	Ele	69	Golden Predator Exploration Ltd. - 100%	16.92	1/20/2025	28
YB38729	Quartz	Lee	83	Golden Predator Exploration Ltd. - 100%	14.95	1/20/2025	29
YD86663	Quartz	BCX	163	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	30
YB23332	Quartz	EEL #	20	Golden Predator Exploration Ltd. - 100%	22.01	1/20/2029	31
YB23363	Quartz	EEL #	51	Golden Predator Exploration Ltd. - 100%	18.16	1/20/2029	32
YD86680	Quartz	BCX	180	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	33
YB23923	Quartz	Flee	1	Golden Predator Exploration Ltd. - 100%	11.33	1/20/2025	34
YD86625	Quartz	BCX	125	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	35
YB40464	Quartz	Eel	444	Golden Predator Exploration Ltd. - 100%	15.34	1/20/2024	36

GRANT NUMBER	CLAIM TYPE	CLAIM NAME	CLAIM NUMBER	CLAIM OWNER	CLAIM AREA Ha	EXPIRY DATE	Count
YD86621	Quartz	BCX	121	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	37
YD86609	Quartz	BCX	109	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	38
YB39658	Quartz	Eel	211	Golden Predator Exploration Ltd. - 100%	16.21	1/20/2026	39
YB39567	Quartz	Eel	118	Golden Predator Exploration Ltd. - 100%	22.51	1/20/2022	40
YB39604	Quartz	Eel	155	Golden Predator Exploration Ltd. - 100%	17.74	1/20/2026	41
YB39669	Quartz	Eel	222	Golden Predator Exploration Ltd. - 100%	18.92	1/20/2026	42
YB39596	Quartz	Eel	147	Golden Predator Exploration Ltd. - 100%	18.49	1/20/2026	43
YB39605	Quartz	Eel	156	Golden Predator Exploration Ltd. - 100%	18.79	1/20/2026	44
YD86589	Quartz	BCX	89	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	45
YB17736	Quartz	Lee	69	Golden Predator Exploration Ltd. - 100%	15.71	1/20/2027	46
YD86662	Quartz	BCX	162	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	47
YB39627	Quartz	Eel	178	Golden Predator Exploration Ltd. - 100%	21.1	1/20/2026	48
YB23542	Quartz	Ele	2	Golden Predator Exploration Ltd. - 100%	18.81	1/20/2025	49
YB40286	Quartz	Eel	305	Golden Predator Exploration Ltd. - 100%	6.47	1/20/2027	50
YB23917	Quartz	Eel	63	Golden Predator Exploration Ltd. - 100%	18.6	1/20/2025	51
YB40419	Quartz	Eel	399	Golden Predator Exploration Ltd. - 100%	14.28	1/20/2024	52
YB40407	Quartz	Eel	387	Golden Predator Exploration Ltd. - 100%	19.66	1/20/2024	53
YB39585	Quartz	Eel	136	Golden Predator Exploration Ltd. - 100%	17.8	1/20/2026	54
YB40558	Quartz	Eel	466	Golden Predator Exploration Ltd. - 100%	22.34	1/20/2027	55
YD86701	Quartz	BCX	201	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	56
YB40440	Quartz	Eel	420	Golden Predator Exploration Ltd. - 100%	11.52	1/20/2024	57
YB39612	Quartz	Eel	163	Golden Predator Exploration Ltd. - 100%	7.93	1/20/2026	58
YB23940	Quartz	Flee	18	Golden Predator Exploration Ltd. - 100%	6.95	1/20/2025	59
YB04503	Quartz	Lee	18	Golden Predator Exploration Ltd. - 100%	15.56	1/20/2026	60
YB39628	Quartz	Eel	179	Golden Predator Exploration Ltd. - 100%	19.56	1/20/2026	61
YB30024	Quartz	Flee	99	Golden Predator Exploration Ltd. - 100%	4.54	1/20/2025	62
YB04495	Quartz	Lee	10	Golden Predator Exploration Ltd. - 100%	18.42	1/20/2026	63
YB17729	Quartz	Lee	62	Golden Predator Exploration Ltd. - 100%	20.71	1/20/2027	64
YB40333	Quartz	Eel	320	Golden Predator Exploration Ltd. - 100%	18.27	1/20/2024	65
YB40398	Quartz	Eel	378	Golden Predator Exploration Ltd. - 100%	16.96	1/20/2024	66
YD86654	Quartz	BCX	154	Golden Predator Exploration Ltd. - 100%	15.13	5/13/2024	67
YD86702	Quartz	BCX	202	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	68
YB40405	Quartz	Eel	385	Golden Predator Exploration Ltd. - 100%	17.44	1/20/2024	69
YB40282	Quartz	Flee	117	Golden Predator Exploration Ltd. - 100%	6.04	1/20/2023	70
YD86634	Quartz	BCX	134	Golden Predator Exploration Ltd. - 100%	10.19	5/13/2025	71
YD86632	Quartz	F/BCX	132	Golden Predator Exploration Ltd. - 100%	7.09	5/13/2024	72
YB23914	Quartz	Eel	60	Golden Predator Exploration Ltd. - 100%	17.22	1/20/2025	73
YB39646	Quartz	Eel	199	Golden Predator Exploration Ltd. - 100%	14.95	1/20/2026	74

GRANT NUMBER	CLAIM TYPE	CLAIM NAME	CLAIM NUMBER	CLAIM OWNER	CLAIM AREA Ha	EXPIRY DATE	Count
YB39552	Quartz	Eel	103	Golden Predator Exploration Ltd. - 100%	19.32	1/20/2026	75
YB38730	Quartz	Lee	84	Golden Predator Exploration Ltd. - 100%	13.75	1/20/2025	76
YB23963	Quartz	Flee	41	Golden Predator Exploration Ltd. - 100%	8.39	1/20/2029	77
YD03441	Quartz	EELX	41	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	78
YB40352	Quartz	Eel	339	Golden Predator Exploration Ltd. - 100%	17.95	1/20/2024	79
YB39634	Quartz	Eel	185	Golden Predator Exploration Ltd. - 100%	19.1	1/20/2026	80
YB04504	Quartz	Lee	19	Golden Predator Exploration Ltd. - 100%	16.53	1/20/2026	81
YB40380	Quartz	Eel	362	Golden Predator Exploration Ltd. - 100%	22.39	1/20/2024	82
YB40432	Quartz	Eel	412	Golden Predator Exploration Ltd. - 100%	14	1/20/2024	83
YB17724	Quartz	Lee	57	Golden Predator Exploration Ltd. - 100%	14.85	1/20/2027	84
YB39668	Quartz	Eel	221	Golden Predator Exploration Ltd. - 100%	20.18	1/20/2026	85
YD86512	Quartz	BCX	12	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	86
YD86650	Quartz	BCX	150	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	87
YD86506	Quartz	BCX	6	Golden Predator Exploration Ltd. - 100%	10.12	5/13/2025	88
YB23556	Quartz	Ele	16	Golden Predator Exploration Ltd. - 100%	20.78	1/20/2025	89
YB40447	Quartz	Eel	427	Golden Predator Exploration Ltd. - 100%	16.47	1/20/2024	90
YD03438	Quartz	EELX	38	Golden Predator Exploration Ltd. - 100%	18.28	12/19/2024	91
YB39566	Quartz	Eel	117	Golden Predator Exploration Ltd. - 100%	15.97	1/20/2026	92
YB40134	Quartz	FLEE F	94	Golden Predator Exploration Ltd. - 100%	10.39	1/20/2027	93
YB30029	Quartz	Flee	104	Golden Predator Exploration Ltd. - 100%	18.06	1/20/2025	94
YB40353	Quartz	Eel	340	Golden Predator Exploration Ltd. - 100%	20.98	1/20/2024	95
YD86577	Quartz	BCX	77	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	96
YB39694	Quartz	Eel	247	Golden Predator Exploration Ltd. - 100%	16.68	1/20/2026	97
YB40142	Quartz	FLEE F	101	Golden Predator Exploration Ltd. - 100%	5.77	1/20/2023	98
YB40343	Quartz	Eel	330	Golden Predator Exploration Ltd. - 100%	18	1/20/2024	99
YB39533	Quartz	Eel	84	Golden Predator Exploration Ltd. - 100%	18.56	1/20/2026	100
YD03469	Quartz	EELX	69	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	101
YB88625	Quartz	BDM F	7	Golden Predator Exploration Ltd. - 100%	4.26	1/20/2024	102
YB39547	Quartz	Eel	98	Golden Predator Exploration Ltd. - 100%	17.51	1/20/2026	103
YB40406	Quartz	Eel	386	Golden Predator Exploration Ltd. - 100%	18.73	1/20/2024	104
YB40418	Quartz	Eel	398	Golden Predator Exploration Ltd. - 100%	15	1/20/2024	105
YD86534	Quartz	BCX	34	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	106
YD86696	Quartz	BCX	196	Golden Predator Exploration Ltd. - 100%	13.68	5/13/2025	107
YD03447	Quartz	EELX	47	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	108
YD03401	Quartz	EELX	1	Golden Predator Exploration Ltd. - 100%	8.54	12/19/2024	109
YD86582	Quartz	BCX	82	Golden Predator Exploration Ltd. - 100%	17.36	5/13/2025	110
YB40427	Quartz	Eel	407	Golden Predator Exploration Ltd. - 100%	18.85	1/20/2024	111
YD03408	Quartz	EELX	8	Golden Predator Exploration Ltd. - 100%	20.57	12/19/2024	112

GRANT NUMBER	CLAIM TYPE	CLAIM NAME	CLAIM NUMBER	CLAIM OWNER	CLAIM AREA Ha	EXPIRY DATE	Count
YD86686	Quartz	BCX	186	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	113
YB40371	Quartz	Eel	353	Golden Predator Exploration Ltd. - 100%	17.31	1/20/2024	114
YB40394	Quartz	Eel	374	Golden Predator Exploration Ltd. - 100%	17.93	1/20/2024	115
YD86517	Quartz	BCX	17	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	116
YB39617	Quartz	Eel	168	Golden Predator Exploration Ltd. - 100%	20.47	1/20/2026	117
YB39555	Quartz	Eel	106	Golden Predator Exploration Ltd. - 100%	18.56	1/20/2026	118
YB23330	Quartz	EEL #	18	Golden Predator Exploration Ltd. - 100%	19.66	1/20/2029	119
YB40331	Quartz	Eel	318	Golden Predator Exploration Ltd. - 100%	16.32	1/20/2024	120
YD03451	Quartz	EELX	51	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	121
YB39706	Quartz	Eel	259	Golden Predator Exploration Ltd. - 100%	12.61	1/20/2026	122
YB23324	Quartz	EEL #	12	Golden Predator Exploration Ltd. - 100%	18.13	1/20/2029	123
YB39611	Quartz	Eel	162	Golden Predator Exploration Ltd. - 100%	15.47	1/20/2026	124
YB39571	Quartz	Eel	122	Golden Predator Exploration Ltd. - 100%	20.99	1/20/2026	125
YB40414	Quartz	Eel	394	Golden Predator Exploration Ltd. - 100%	9.96	1/20/2024	126
YB39584	Quartz	Eel	135	Golden Predator Exploration Ltd. - 100%	18.43	1/20/2026	127
YB30009	Quartz	Flee	84	Golden Predator Exploration Ltd. - 100%	18.33	1/20/2025	128
YB39684	Quartz	Eel	237	Golden Predator Exploration Ltd. - 100%	18.16	1/20/2026	129
YB39560	Quartz	Eel	111	Golden Predator Exploration Ltd. - 100%	19.96	1/20/2026	130
YB23980	Quartz	Flee	58	Golden Predator Exploration Ltd. - 100%	22.06	1/20/2029	131
YB23796	Quartz	Ele	40	Golden Predator Exploration Ltd. - 100%	18.92	1/20/2025	132
YB39587	Quartz	Eel	138	Golden Predator Exploration Ltd. - 100%	15.35	1/20/2026	133
YD03410	Quartz	EELX	10	Golden Predator Exploration Ltd. - 100%	20.57	12/19/2024	134
YB39520	Quartz	Eel	71	Golden Predator Exploration Ltd. - 100%	19.14	1/20/2026	135
YB40339	Quartz	Eel	326	Golden Predator Exploration Ltd. - 100%	16.9	1/20/2024	136
YB39686	Quartz	Eel	239	Golden Predator Exploration Ltd. - 100%	17.52	1/20/2026	137
YD03403	Quartz	EELX	3	Golden Predator Exploration Ltd. - 100%	5.83	12/19/2024	138
YD03409	Quartz	EELX	9	Golden Predator Exploration Ltd. - 100%	20.57	12/19/2024	139
YD86658	Quartz	BCX	158	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	140
YD86683	Quartz	BCX	183	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	141
YB39629	Quartz	Eel	180	Golden Predator Exploration Ltd. - 100%	19.94	1/20/2026	142
YB39647	Quartz	Eel	200	Golden Predator Exploration Ltd. - 100%	17.37	1/20/2026	143
YD86689	Quartz	BCX	189	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	144
YD86551	Quartz	F/BCX	51	Golden Predator Exploration Ltd. - 100%	9.18	5/13/2025	145
YB23814	Quartz	Ele	58	Golden Predator Exploration Ltd. - 100%	20.03	1/20/2025	146
YB40479	Quartz	Eel	461	Golden Predator Exploration Ltd. - 100%	16.84	1/20/2024	147
YB23817	Quartz	Ele	61	Golden Predator Exploration Ltd. - 100%	15.88	1/20/2025	148
YD86547	Quartz	BCX	47	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	149
YB40403	Quartz	Eel	383	Golden Predator Exploration Ltd. - 100%	12.57	1/20/2024	150

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YB23809	Quartz	Ele	53	Golden Predator Exploration Ltd. - 100%	16.06	1/20/2025	151
YD86594	Quartz	BCX	94	Golden Predator Exploration Ltd. - 100%	18.29	5/13/2024	152
YB23793	Quartz	Ele	37	Golden Predator Exploration Ltd. - 100%	11.49	1/20/2025	153
YD86691	Quartz	BCX	191	Golden Predator Exploration Ltd. - 100%	18.77	5/13/2025	154
YB30028	Quartz	Flee	103	Golden Predator Exploration Ltd. - 100%	5.25	1/20/2025	155
YB17726	Quartz	Lee	59	Golden Predator Exploration Ltd. - 100%	16.81	1/20/2027	156
YB23782	Quartz	Ele	26	Golden Predator Exploration Ltd. - 100%	23.47	1/20/2025	157
YD86670	Quartz	BCX	170	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	158
YD86522	Quartz	BCX	22	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	159
YB40562	Quartz	Eel	470	Golden Predator Exploration Ltd. - 100%	19.72	1/20/2027	160
YB40387	Quartz	Eel	369	Golden Predator Exploration Ltd. - 100%	21.38	1/20/2024	161
YD86531	Quartz	BCX	31	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	162
YB40354	Quartz	Eel	341	Golden Predator Exploration Ltd. - 100%	17.17	1/20/2024	163
YD86556	Quartz	BCX	56	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	164
YD86574	Quartz	BCX	74	Golden Predator Exploration Ltd. - 100%	16.58	5/13/2025	165
YD03415	Quartz	EELX	15	Golden Predator Exploration Ltd. - 100%	11.68	12/19/2024	166
YB40379	Quartz	Eel	361	Golden Predator Exploration Ltd. - 100%	21.71	1/20/2024	167
YB39666	Quartz	Eel	219	Golden Predator Exploration Ltd. - 100%	19.93	1/20/2026	168
YB17727	Quartz	Lee	60	Golden Predator Exploration Ltd. - 100%	20.99	1/20/2027	169
YD86605	Quartz	BCX	105	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	170
YB39675	Quartz	Eel	228	Golden Predator Exploration Ltd. - 100%	10.64	1/20/2026	171
YB39679	Quartz	Eel	232	Golden Predator Exploration Ltd. - 100%	18.21	1/20/2026	172
YB04511	Quartz	Lee	26	Golden Predator Exploration Ltd. - 100%	18.77	1/20/2026	173
YD86504	Quartz	BCX	4	Golden Predator Exploration Ltd. - 100%	9.47	5/13/2025	174
YD03458	Quartz	EELX	58	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	175
YB39670	Quartz	Eel	223	Golden Predator Exploration Ltd. - 100%	19.36	1/20/2026	176
YB39586	Quartz	Eel	137	Golden Predator Exploration Ltd. - 100%	18.84	1/20/2026	177
YB39673	Quartz	Eel	226	Golden Predator Exploration Ltd. - 100%	18.58	1/20/2026	178
YD03435	Quartz	EELX	35	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	179
YB04506	Quartz	Lee	21	Golden Predator Exploration Ltd. - 100%	15.29	1/20/2026	180
YB23803	Quartz	Ele	47	Golden Predator Exploration Ltd. - 100%	14.31	1/20/2025	181
YB40325	Quartz	Lee	89	Golden Predator Exploration Ltd. - 100%	9.26	1/20/2023	182
YB23946	Quartz	Flee	24	Golden Predator Exploration Ltd. - 100%	16.68	1/20/2025	183
YB23797	Quartz	Ele	41	Golden Predator Exploration Ltd. - 100%	12.89	1/20/2025	184
YD86624	Quartz	BCX	124	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	185
YD03466	Quartz	EELX	66	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	186
YB23926	Quartz	Flee	4	Golden Predator Exploration Ltd. - 100%	10.99	1/20/2025	187
YB39546	Quartz	Eel	97	Golden Predator Exploration Ltd. - 100%	16.48	1/20/2026	188

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YD03477	Quartz	EELX	77	Golden Predator Exploration Ltd. - 100%	10.51	12/19/2024	189
YB40285	Quartz	Eel	303	Golden Predator Exploration Ltd. - 100%	11.5	1/20/2027	190
YB39707	Quartz	Eel	260	Golden Predator Exploration Ltd. - 100%	9.27	1/20/2026	191
YB39545	Quartz	Eel	96	Golden Predator Exploration Ltd. - 100%	19.12	1/20/2026	192
YB39685	Quartz	Eel	238	Golden Predator Exploration Ltd. - 100%	19.12	1/20/2026	193
YD86569	Quartz	BCX	69	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	194
YB40271	Quartz	Flee	106	Golden Predator Exploration Ltd. - 100%	13.94	1/20/2023	195
YB39593	Quartz	Eel	144	Golden Predator Exploration Ltd. - 100%	14.2	1/20/2026	196
YB23811	Quartz	Ele	55	Golden Predator Exploration Ltd. - 100%	17.31	1/20/2025	197
YB40266	Quartz	Eel	295	Golden Predator Exploration Ltd. - 100%	7.77	1/20/2027	198
YB40472	Quartz	Eel	452	Golden Predator Exploration Ltd. - 100%	16.16	1/20/2024	199
YB40448	Quartz	Eel	428	Golden Predator Exploration Ltd. - 100%	15.81	1/20/2024	200
YB39516	Quartz	Eel	67	Golden Predator Exploration Ltd. - 100%	20.12	1/20/2026	201
YD03445	Quartz	EELX	45	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	202
YD03478	Quartz	EELX	78	Golden Predator Exploration Ltd. - 100%	15.88	12/19/2024	203
YB39619	Quartz	Eel	170	Golden Predator Exploration Ltd. - 100%	18.71	1/20/2026	204
YB39602	Quartz	Eel	153	Golden Predator Exploration Ltd. - 100%	17.13	1/20/2026	205
YB39695	Quartz	Eel	248	Golden Predator Exploration Ltd. - 100%	19.49	1/20/2026	206
YB04515	Quartz	Lee	30	Golden Predator Exploration Ltd. - 100%	18.15	1/20/2026	207
YD86515	Quartz	BCX	15	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	208
YB23951	Quartz	Flee	29	Golden Predator Exploration Ltd. - 100%	18.25	1/20/2025	209
YB23344	Quartz	EEL #	32	Golden Predator Exploration Ltd. - 100%	11.1	1/20/2029	210
YB40334	Quartz	Eel	321	Golden Predator Exploration Ltd. - 100%	19.36	1/20/2024	211
YB23949	Quartz	Flee	27	Golden Predator Exploration Ltd. - 100%	22.22	1/20/2025	212
YB30022	Quartz	Flee	97	Golden Predator Exploration Ltd. - 100%	5.1	1/20/2025	213
YB39614	Quartz	Eel	165	Golden Predator Exploration Ltd. - 100%	9.81	1/20/2026	214
YB04493	Quartz	Lee	8	Golden Predator Exploration Ltd. - 100%	17.66	1/20/2026	215
YB40450	Quartz	Eel	430	Golden Predator Exploration Ltd. - 100%	15.98	1/20/2024	216
YB39674	Quartz	Eel	227	Golden Predator Exploration Ltd. - 100%	10.05	1/20/2026	217
YD03443	Quartz	EELX	43	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	218
YB23810	Quartz	Ele	54	Golden Predator Exploration Ltd. - 100%	18.3	1/20/2025	219
YB45740	Quartz	Eel F	469	Golden Predator Exploration Ltd. - 100%	13.1	1/20/2025	220
YB04507	Quartz	Lee	22	Golden Predator Exploration Ltd. - 100%	18.11	1/20/2026	221
YB40566	Quartz	Eel	474	Golden Predator Exploration Ltd. - 100%	21.91	1/20/2027	222
YB39551	Quartz	Eel	102	Golden Predator Exploration Ltd. - 100%	14.91	1/20/2026	223
YB30007	Quartz	Flee	82	Golden Predator Exploration Ltd. - 100%	18.29	1/20/2025	224
YD86606	Quartz	BCX	106	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	225
YB23553	Quartz	Ele	13	Golden Predator Exploration Ltd. - 100%	19.43	1/20/2025	226

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YB40557	Quartz	Eel	465	Golden Predator Exploration Ltd. - 100%	16.55	1/20/2027	227
YB39591	Quartz	Eel	142	Golden Predator Exploration Ltd. - 100%	10.93	1/20/2026	228
YD86661	Quartz	BCX	161	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	229
YB23343	Quartz	EEL #	31	Golden Predator Exploration Ltd. - 100%	10.6	1/20/2029	230
YB23986	Quartz	Flee	64	Golden Predator Exploration Ltd. - 100%	24.24	1/20/2029	231
YB40356	Quartz	Eel	343	Golden Predator Exploration Ltd. - 100%	17.38	1/20/2024	232
YB39625	Quartz	Eel	176	Golden Predator Exploration Ltd. - 100%	18.21	1/20/2026	233
YB40359	Quartz	Eel	346	Golden Predator Exploration Ltd. - 100%	18.66	1/20/2024	234
YB40342	Quartz	Eel	329	Golden Predator Exploration Ltd. - 100%	17.44	1/20/2024	235
YD86546	Quartz	BCX	46	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	236
YB39637	Quartz	Eel	188	Golden Predator Exploration Ltd. - 100%	20.18	1/20/2026	237
YB40131	Quartz	FLEE F	91	Golden Predator Exploration Ltd. - 100%	12.08	1/20/2027	238
YD86645	Quartz	BCX	145	Golden Predator Exploration Ltd. - 100%	20.19	5/13/2024	239
YB39530	Quartz	Eel	81	Golden Predator Exploration Ltd. - 100%	17.23	1/20/2026	240
YB40324	Quartz	Lee	88	Golden Predator Exploration Ltd. - 100%	10.06	1/20/2023	241
YB23941	Quartz	Flee	19	Golden Predator Exploration Ltd. - 100%	11.43	1/20/2025	242
YB40275	Quartz	Flee	110	Golden Predator Exploration Ltd. - 100%	12.85	1/20/2023	243
YB39651	Quartz	Eel	204	Golden Predator Exploration Ltd. - 100%	18.63	1/20/2026	244
YD86508	Quartz	F/BCX	8	Golden Predator Exploration Ltd. - 100%	3.75	5/13/2024	245
YB23823	Quartz	Ele	67	Golden Predator Exploration Ltd. - 100%	16.72	1/20/2025	246
YB40361	Quartz	Eel	348	Golden Predator Exploration Ltd. - 100%	21.18	1/20/2024	247
YD86590	Quartz	BCX	90	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	248
YD86619	Quartz	BCX	119	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	249
YB40326	Quartz	Eel	313	Golden Predator Exploration Ltd. - 100%	19.97	1/20/2024	250
YB40135	Quartz	FLEE F	95	Golden Predator Exploration Ltd. - 100%	10.28	1/20/2027	251
YB40413	Quartz	Eel	393	Golden Predator Exploration Ltd. - 100%	20.73	1/20/2024	252
YB40264	Quartz	Eel	293	Golden Predator Exploration Ltd. - 100%	4.25	1/20/2027	253
YB23313	Quartz	EEL #	1	Golden Predator Exploration Ltd. - 100%	18.29	1/20/2025	254
YD86593	Quartz	BCX	93	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	255
YB39696	Quartz	Eel	249	Golden Predator Exploration Ltd. - 100%	18.14	1/20/2026	256
YD86676	Quartz	BCX	176	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	257
YB40449	Quartz	Eel	429	Golden Predator Exploration Ltd. - 100%	16.3	1/20/2024	258
YB39711	Quartz	Eel	264	Golden Predator Exploration Ltd. - 100%	9.95	1/20/2026	259
YB40351	Quartz	Eel	338	Golden Predator Exploration Ltd. - 100%	18.28	1/20/2024	260
YD86628	Quartz	BCX	128	Golden Predator Exploration Ltd. - 100%	15.96	5/13/2025	261
YD03430	Quartz	EELX	30	Golden Predator Exploration Ltd. - 100%	17.73	12/19/2024	262
YB40430	Quartz	Eel	410	Golden Predator Exploration Ltd. - 100%	4.33	1/20/2024	263
YD86526	Quartz	BCX	26	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	264

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YB39577	Quartz	Eel	128	Golden Predator Exploration Ltd. - 100%	18.12	1/20/2026	265
YD03452	Quartz	EELX	52	Golden Predator Exploration Ltd. - 100%	19.96	12/19/2024	266
YB39544	Quartz	Eel	95	Golden Predator Exploration Ltd. - 100%	18.49	1/20/2026	267
YB40433	Quartz	Eel	413	Golden Predator Exploration Ltd. - 100%	18.19	1/20/2024	268
YD03476	Quartz	EELX	76	Golden Predator Exploration Ltd. - 100%	19	12/19/2024	269
YD03459	Quartz	EELX	59	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	270
YD03436	Quartz	EELX	36	Golden Predator Exploration Ltd. - 100%	18.15	12/19/2024	271
YB23799	Quartz	Ele	43	Golden Predator Exploration Ltd. - 100%	15	1/20/2025	272
YB39548	Quartz	Eel	99	Golden Predator Exploration Ltd. - 100%	16.9	1/20/2026	273
YD86690	Quartz	BCX	190	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	274
YD86507	Quartz	F/BCX	7	Golden Predator Exploration Ltd. - 100%	7.62	5/13/2024	275
YD03432	Quartz	EELX	32	Golden Predator Exploration Ltd. - 100%	17.46	12/19/2024	276
YD86626	Quartz	BCX	126	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	277
YB39653	Quartz	Eel	206	Golden Predator Exploration Ltd. - 100%	18.97	1/20/2026	278
YD86514	Quartz	BCX	14	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	279
YB40287	Quartz	Eel	306	Golden Predator Exploration Ltd. - 100%	3.78	1/20/2027	280
YD86627	Quartz	BCX	127	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	281
YB39710	Quartz	Eel	263	Golden Predator Exploration Ltd. - 100%	13.41	1/20/2026	282
YB40570	Quartz	Eel	478	Golden Predator Exploration Ltd. - 100%	20.22	1/20/2027	283
YD86693	Quartz	BCX	193	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	284
YD03450	Quartz	EELX	50	Golden Predator Exploration Ltd. - 100%	9.5	12/19/2024	285
YB40399	Quartz	Eel	379	Golden Predator Exploration Ltd. - 100%	17.01	1/20/2024	286
YD86592	Quartz	BCX	92	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	287
YD03449	Quartz	EELX	49	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	288
YD86543	Quartz	BCX	43	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	289
YB23815	Quartz	Ele	59	Golden Predator Exploration Ltd. - 100%	13.38	1/20/2025	290
YD86584	Quartz	BCX	84	Golden Predator Exploration Ltd. - 100%	17.56	5/13/2025	291
YD86622	Quartz	BCX	122	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	292
YB40332	Quartz	Eel	319	Golden Predator Exploration Ltd. - 100%	20.67	1/20/2024	293
YB39716	Quartz	Eel	269	Golden Predator Exploration Ltd. - 100%	13.88	1/20/2026	294
YB23822	Quartz	Ele	66	Golden Predator Exploration Ltd. - 100%	15.97	1/20/2025	295
YB40469	Quartz	Eel	449	Golden Predator Exploration Ltd. - 100%	17.84	1/20/2024	296
YB45738	Quartz	Eel F	467	Golden Predator Exploration Ltd. - 100%	13.83	1/20/2025	297
YD03426	Quartz	EELX	26	Golden Predator Exploration Ltd. - 100%	17.71	12/19/2024	298
YD86656	Quartz	BCX	156	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	299
YD86641	Quartz	BCX	141	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	300
YB23915	Quartz	Eel	61	Golden Predator Exploration Ltd. - 100%	17.1	1/20/2025	301
YB23990	Quartz	Flee	68	Golden Predator Exploration Ltd. - 100%	20.06	1/20/2025	302

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YB39715	Quartz	Eel	268	Golden Predator Exploration Ltd. - 100%	10.53	1/20/2026	303
YB40330	Quartz	Eel	317	Golden Predator Exploration Ltd. - 100%	19.37	1/20/2024	304
YB39626	Quartz	Eel	177	Golden Predator Exploration Ltd. - 100%	20.39	1/20/2026	305
YD86567	Quartz	BCX	67	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	306
YD03472	Quartz	EELX	72	Golden Predator Exploration Ltd. - 100%	19.53	12/19/2024	307
YB40255	Quartz	Eel	284	Golden Predator Exploration Ltd. - 100%	11.26	1/20/2027	308
YB17725	Quartz	Lee	58	Golden Predator Exploration Ltd. - 100%	19.13	1/20/2027	309
YD86671	Quartz	BCX	171	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	310
YB40318	Quartz	Flee	119	Golden Predator Exploration Ltd. - 100%	17.72	1/20/2027	311
YB40564	Quartz	Eel	472	Golden Predator Exploration Ltd. - 100%	20.49	1/20/2027	312
YD86615	Quartz	BCX	115	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	313
YD86581	Quartz	BCX	81	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	314
YB40401	Quartz	Eel	381	Golden Predator Exploration Ltd. - 100%	13.7	1/20/2024	315
YB40143	Quartz	FLEE F	102	Golden Predator Exploration Ltd. - 100%	5.16	1/20/2023	316
YD86657	Quartz	BCX	157	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	317
YD102642	Quartz	BCX	2	Golden Predator Exploration Ltd. - 100%	12.33	5/13/2024	318
YB17742	Quartz	Lee	75	Golden Predator Exploration Ltd. - 100%	10.48	1/20/2027	319
YB40459	Quartz	Eel	439	Golden Predator Exploration Ltd. - 100%	19.52	1/20/2024	320
YD86667	Quartz	BCX	167	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	321
YD03411	Quartz	EELX	11	Golden Predator Exploration Ltd. - 100%	12.34	12/19/2024	322
YB23965	Quartz	Flee	43	Golden Predator Exploration Ltd. - 100%	9.18	1/20/2025	323
YB23361	Quartz	EEL #	49	Golden Predator Exploration Ltd. - 100%	19.09	1/20/2029	324
YB40336	Quartz	Eel	323	Golden Predator Exploration Ltd. - 100%	18.79	1/20/2024	325
YB23354	Quartz	EEL #	42	Golden Predator Exploration Ltd. - 100%	18.06	1/20/2029	326
YD03471	Quartz	EELX	71	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	327
YB39720	Quartz	Eel	273	Golden Predator Exploration Ltd. - 100%	18.62	1/20/2026	328
YB23981	Quartz	Flee	59	Golden Predator Exploration Ltd. - 100%	13.59	1/20/2029	329
YB40412	Quartz	Eel	392	Golden Predator Exploration Ltd. - 100%	14.2	1/20/2024	330
YB23994	Quartz	Flee	72	Golden Predator Exploration Ltd. - 100%	18.78	1/20/2025	331
YB23326	Quartz	EEL #	14	Golden Predator Exploration Ltd. - 100%	20.5	1/20/2029	332
YB40280	Quartz	Flee	115	Golden Predator Exploration Ltd. - 100%	12.64	1/20/2023	333
YB39562	Quartz	Eel	113	Golden Predator Exploration Ltd. - 100%	9.04	1/20/2026	334
YD86573	Quartz	BCX	73	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	335
YB40385	Quartz	Eel	367	Golden Predator Exploration Ltd. - 100%	19.25	1/20/2024	336
YD86604	Quartz	BCX	104	Golden Predator Exploration Ltd. - 100%	19.43	5/13/2024	337
YD86587	Quartz	BCX	87	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	338
YB40471	Quartz	Eel	451	Golden Predator Exploration Ltd. - 100%	6.58	1/20/2024	339
YD03417	Quartz	EELX	17	Golden Predator Exploration Ltd. - 100%	15.59	12/19/2024	340

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YB39631	Quartz	Eel	182	Golden Predator Exploration Ltd. - 100%	19.39	1/20/2026	341
YD86673	Quartz	BCX	173	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	342
YB39687	Quartz	Eel	240	Golden Predator Exploration Ltd. - 100%	18.59	1/20/2026	343
YB39541	Quartz	Eel	92	Golden Predator Exploration Ltd. - 100%	18.59	1/20/2026	344
YB39616	Quartz	Eel	167	Golden Predator Exploration Ltd. - 100%	15.04	1/20/2026	345
YB39677	Quartz	Eel	230	Golden Predator Exploration Ltd. - 100%	12.93	1/20/2026	346
YD86535	Quartz	BCX	35	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	347
YB39583	Quartz	Eel	134	Golden Predator Exploration Ltd. - 100%	15.44	1/20/2026	348
YB23779	Quartz	Ele	23	Golden Predator Exploration Ltd. - 100%	17.63	1/20/2025	349
YB40445	Quartz	Eel	425	Golden Predator Exploration Ltd. - 100%	20.9	1/20/2024	350
YB23800	Quartz	Ele	44	Golden Predator Exploration Ltd. - 100%	19.55	1/20/2025	351
YB40132	Quartz	FLEE F	92	Golden Predator Exploration Ltd. - 100%	10.12	1/20/2027	352
YB40317	Quartz	Flee	118	Golden Predator Exploration Ltd. - 100%	5.26	1/20/2027	353
YB40368	Quartz	Eel	310	Golden Predator Exploration Ltd. - 100%	9.57	1/20/2027	354
YB40254	Quartz	Eel	283	Golden Predator Exploration Ltd. - 100%	7.64	1/20/2027	355
YB40565	Quartz	Eel	473	Golden Predator Exploration Ltd. - 100%	10.24	1/20/2027	356
YB23541	Quartz	Ele	1	Golden Predator Exploration Ltd. - 100%	20.04	1/20/2025	357
YB30019	Quartz	Flee	94	Golden Predator Exploration Ltd. - 100%	20.43	1/20/2025	358
YD86694	Quartz	BCX	194	Golden Predator Exploration Ltd. - 100%	13.9	5/13/2025	359
YB40456	Quartz	Eel	436	Golden Predator Exploration Ltd. - 100%	17.22	1/20/2024	360
YB39641	Quartz	Eel	192	Golden Predator Exploration Ltd. - 100%	17.63	1/20/2026	361
YB39688	Quartz	Eel	241	Golden Predator Exploration Ltd. - 100%	17.25	1/20/2026	362
YB23357	Quartz	EEL #	45	Golden Predator Exploration Ltd. - 100%	19.29	1/20/2029	363
YB45741	Quartz	Eel F	470	Golden Predator Exploration Ltd. - 100%	12.14	1/20/2025	364
YB23812	Quartz	Ele	56	Golden Predator Exploration Ltd. - 100%	19.09	1/20/2025	365
YB39664	Quartz	Eel	217	Golden Predator Exploration Ltd. - 100%	20.24	1/20/2026	366
YD86688	Quartz	BCX	188	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	367
YB23936	Quartz	Flee	14	Golden Predator Exploration Ltd. - 100%	19.52	1/20/2025	368
YB39662	Quartz	Eel	215	Golden Predator Exploration Ltd. - 100%	18.65	1/20/2026	369
YD03470	Quartz	EELX	70	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	370
YB39682	Quartz	Eel	235	Golden Predator Exploration Ltd. - 100%	18.23	1/20/2026	371
YB40140	Quartz	FLEE F	99	Golden Predator Exploration Ltd. - 100%	5.13	1/20/2023	372
YB23962	Quartz	Flee	40	Golden Predator Exploration Ltd. - 100%	6.99	1/20/2029	373
YB40367	Quartz	Eel	309	Golden Predator Exploration Ltd. - 100%	12.87	1/20/2027	374
YD86620	Quartz	BCX	120	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	375
YD86630	Quartz	BCX	130	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	376
YD03416	Quartz	EELX	16	Golden Predator Exploration Ltd. - 100%	19.45	12/19/2024	377
YB39712	Quartz	Eel	265	Golden Predator Exploration Ltd. - 100%	14.41	1/20/2026	378

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YB40481	Quartz	Eel	463	Golden Predator Exploration Ltd. - 100%	19.17	1/20/2024	379
YB23931	Quartz	Flee	9	Golden Predator Exploration Ltd. - 100%	21.07	1/20/2025	380
YB39635	Quartz	Eel	186	Golden Predator Exploration Ltd. - 100%	18.66	1/20/2026	381
YD03428	Quartz	EELX	28	Golden Predator Exploration Ltd. - 100%	17.66	12/19/2024	382
YD86575	Quartz	BCX	75	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	383
YB23932	Quartz	Flee	10	Golden Predator Exploration Ltd. - 100%	20.13	1/20/2025	384
YB39597	Quartz	Eel	148	Golden Predator Exploration Ltd. - 100%	18.97	1/20/2026	385
YB23944	Quartz	Flee	22	Golden Predator Exploration Ltd. - 100%	23.92	1/20/2025	386
YB40428	Quartz	Eel	408	Golden Predator Exploration Ltd. - 100%	19	1/20/2024	387
YB23985	Quartz	Flee	63	Golden Predator Exploration Ltd. - 100%	14.89	1/20/2029	388
YB30008	Quartz	Flee	83	Golden Predator Exploration Ltd. - 100%	18.33	1/20/2025	389
YD86596	Quartz	BCX	96	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	390
YB40393	Quartz	Eel	373	Golden Predator Exploration Ltd. - 100%	9.23	1/20/2024	391
YB23831	Quartz	Ele	75	Golden Predator Exploration Ltd. - 100%	17.81	1/20/2025	392
YD86528	Quartz	BCX	28	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	393
YD86677	Quartz	BCX	177	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	394
YB39632	Quartz	Eel	183	Golden Predator Exploration Ltd. - 100%	20.42	1/20/2026	395
YD03442	Quartz	EELX	42	Golden Predator Exploration Ltd. - 100%	18.53	12/19/2024	396
YB23829	Quartz	Ele	73	Golden Predator Exploration Ltd. - 100%	17.27	1/20/2025	397
YD86666	Quartz	BCX	166	Golden Predator Exploration Ltd. - 100%	19.2	5/13/2024	398
YD86561	Quartz	BCX	61	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	399
YB40384	Quartz	Eel	366	Golden Predator Exploration Ltd. - 100%	20.56	1/20/2024	400
YB40372	Quartz	Eel	354	Golden Predator Exploration Ltd. - 100%	17.27	1/20/2024	401
YD86655	Quartz	BCX	155	Golden Predator Exploration Ltd. - 100%	15.41	5/13/2025	402
YB30004	Quartz	Flee	79	Golden Predator Exploration Ltd. - 100%	16.28	1/20/2025	403
YD03455	Quartz	EELX	55	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	404
YB23930	Quartz	Flee	8	Golden Predator Exploration Ltd. - 100%	20.46	1/20/2025	405
YD03434	Quartz	EELX	34	Golden Predator Exploration Ltd. - 100%	18.11	12/19/2024	406
YB23969	Quartz	Flee	47	Golden Predator Exploration Ltd. - 100%	7.71	1/20/2025	407
YB40436	Quartz	Eel	416	Golden Predator Exploration Ltd. - 100%	6.76	1/20/2024	408
YB23945	Quartz	Flee	23	Golden Predator Exploration Ltd. - 100%	16.82	1/20/2025	409
YD86616	Quartz	BCX	116	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	410
YB40390	Quartz	Eel	372	Golden Predator Exploration Ltd. - 100%	22.4	1/20/2024	411
YB40467	Quartz	Eel	447	Golden Predator Exploration Ltd. - 100%	18.03	1/20/2024	412
YB39580	Quartz	Eel	131	Golden Predator Exploration Ltd. - 100%	19.99	1/20/2026	413
YB40276	Quartz	Flee	111	Golden Predator Exploration Ltd. - 100%	13.65	1/20/2023	414
YB23948	Quartz	Flee	26	Golden Predator Exploration Ltd. - 100%	17.01	1/20/2025	415
YB39610	Quartz	Eel	161	Golden Predator Exploration Ltd. - 100%	15.39	1/20/2026	416

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YD03419	Quartz	EELX	19	Golden Predator Exploration Ltd. - 100%	19.74	12/19/2024	417
YD03475	Quartz	EELX	75	Golden Predator Exploration Ltd. - 100%	16.68	12/19/2024	418
YB23918	Quartz	Eel	64	Golden Predator Exploration Ltd. - 100%	20.56	1/20/2025	419
YB04508	Quartz	Lee	23	Golden Predator Exploration Ltd. - 100%	12.14	1/20/2026	420
YB39542	Quartz	Eel	93	Golden Predator Exploration Ltd. - 100%	19.53	1/20/2026	421
YB23348	Quartz	EEL #	36	Golden Predator Exploration Ltd. - 100%	20.02	1/20/2029	422
YB23364	Quartz	EEL #	52	Golden Predator Exploration Ltd. - 100%	17.79	1/20/2029	423
YB30016	Quartz	Flee	91	Golden Predator Exploration Ltd. - 100%	15.65	1/20/2025	424
YB23967	Quartz	Flee	45	Golden Predator Exploration Ltd. - 100%	7.79	1/20/2025	425
YB39672	Quartz	Eel	225	Golden Predator Exploration Ltd. - 100%	14.88	1/20/2026	426
YD86560	Quartz	BCX	60	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	427
YB23544	Quartz	Ele	4	Golden Predator Exploration Ltd. - 100%	20.9	1/20/2025	428
YB39613	Quartz	Eel	164	Golden Predator Exploration Ltd. - 100%	18.11	1/20/2026	429
YD86565	Quartz	BCX	65	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	430
YB40476	Quartz	Eel	456	Golden Predator Exploration Ltd. - 100%	18.88	1/20/2024	431
YB39589	Quartz	Eel	140	Golden Predator Exploration Ltd. - 100%	4.31	1/20/2026	432
YB17734	Quartz	Lee	67	Golden Predator Exploration Ltd. - 100%	15.61	1/20/2027	433
YB40274	Quartz	Flee	109	Golden Predator Exploration Ltd. - 100%	12.66	1/20/2023	434
YD86623	Quartz	BCX	123	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	435
YB40453	Quartz	Eel	433	Golden Predator Exploration Ltd. - 100%	11.58	1/20/2024	436
YB40473	Quartz	Eel	453	Golden Predator Exploration Ltd. - 100%	11.19	1/20/2024	437
YD03468	Quartz	EELX	68	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	438
YB30018	Quartz	Flee	93	Golden Predator Exploration Ltd. - 100%	15.16	1/20/2025	439
YB30006	Quartz	Flee	81	Golden Predator Exploration Ltd. - 100%	17.91	1/20/2025	440
YD86530	Quartz	BCX	30	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	441
YB23813	Quartz	Ele	57	Golden Predator Exploration Ltd. - 100%	18.65	1/20/2025	442
YB23786	Quartz	Ele	30	Golden Predator Exploration Ltd. - 100%	7.13	1/20/2025	443
YB23997	Quartz	Flee	75	Golden Predator Exploration Ltd. - 100%	17.68	1/20/2025	444
YD86608	Quartz	BCX	108	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	445
YB40416	Quartz	Eel	396	Golden Predator Exploration Ltd. - 100%	14.84	1/20/2024	446
YB39529	Quartz	Eel	80	Golden Predator Exploration Ltd. - 100%	10.21	1/20/2026	447
YD86687	Quartz	BCX	187	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	448
YD86598	Quartz	BCX	98	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	449
YB23996	Quartz	Flee	74	Golden Predator Exploration Ltd. - 100%	20.24	1/20/2025	450
YB39528	Quartz	Eel	79	Golden Predator Exploration Ltd. - 100%	16.89	1/20/2026	451
YD86503	Quartz	BCX	3	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	452
YB23943	Quartz	Flee	21	Golden Predator Exploration Ltd. - 100%	20.02	1/20/2025	453
YB39607	Quartz	Eel	158	Golden Predator Exploration Ltd. - 100%	19.53	1/20/2026	454

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YB40446	Quartz	Eel	426	Golden Predator Exploration Ltd. - 100%	17.87	1/20/2024	455
YD86642	Quartz	BCX	142	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	456
YB39517	Quartz	Eel	68	Golden Predator Exploration Ltd. - 100%	20.67	1/20/2026	457
YB23325	Quartz	EEL #	13	Golden Predator Exploration Ltd. - 100%	19.49	1/20/2029	458
YB04491	Quartz	Lee	6	Golden Predator Exploration Ltd. - 100%	17.36	1/20/2026	459
YB23971	Quartz	Flee	49	Golden Predator Exploration Ltd. - 100%	10.47	1/20/2025	460
YD86637	Quartz	BCX	137	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	461
YB23788	Quartz	Ele	32	Golden Predator Exploration Ltd. - 100%	12.64	1/20/2025	462
YD86521	Quartz	BCX	21	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	463
YB23925	Quartz	Flee	3	Golden Predator Exploration Ltd. - 100%	19.04	1/20/2025	464
YB23780	Quartz	Ele	24	Golden Predator Exploration Ltd. - 100%	19.36	1/20/2025	465
YD86695	Quartz	BCX	195	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	466
YB40322	Quartz	Eel	300	Golden Predator Exploration Ltd. - 100%	20.34	1/20/2027	467
YB40386	Quartz	Eel	368	Golden Predator Exploration Ltd. - 100%	20.23	1/20/2024	468
YD86533	Quartz	BCX	33	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	469
YB23790	Quartz	Ele	34	Golden Predator Exploration Ltd. - 100%	18.61	1/20/2025	470
YB40323	Quartz	Eel	304	Golden Predator Exploration Ltd. - 100%	16.23	1/20/2027	471
YB40319	Quartz	Flee	120	Golden Predator Exploration Ltd. - 100%	3.04	1/20/2027	472
YD03433	Quartz	EELX	33	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	473
YB40461	Quartz	Eel	441	Golden Predator Exploration Ltd. - 100%	15.55	1/20/2024	474
YB39648	Quartz	Eel	201	Golden Predator Exploration Ltd. - 100%	16.5	1/20/2026	475
YD86648	Quartz	BCX	148	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	476
YD86545	Quartz	BCX	45	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	477
YB39702	Quartz	Eel	255	Golden Predator Exploration Ltd. - 100%	17.82	1/20/2026	478
YB40345	Quartz	Eel	332	Golden Predator Exploration Ltd. - 100%	19.12	1/20/2024	479
YB39606	Quartz	Eel	157	Golden Predator Exploration Ltd. - 100%	18.76	1/20/2026	480
YB23927	Quartz	Flee	5	Golden Predator Exploration Ltd. - 100%	20.18	1/20/2025	481
YD86568	Quartz	BCX	68	Golden Predator Exploration Ltd. - 100%	15.98	5/13/2024	482
YD86544	Quartz	BCX	44	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	483
YB30015	Quartz	Flee	90	Golden Predator Exploration Ltd. - 100%	18.74	1/20/2025	484
YB23977	Quartz	Flee	55	Golden Predator Exploration Ltd. - 100%	12.42	1/20/2029	485
YB39667	Quartz	Eel	220	Golden Predator Exploration Ltd. - 100%	19.05	1/20/2026	486
YB39595	Quartz	Eel	146	Golden Predator Exploration Ltd. - 100%	19.47	1/20/2026	487
YB40364	Quartz	Eel	351	Golden Predator Exploration Ltd. - 100%	17.22	1/20/2024	488
YB40482	Quartz	Eel	464	Golden Predator Exploration Ltd. - 100%	13.13	1/20/2024	489
YD03420	Quartz	EELX	20	Golden Predator Exploration Ltd. - 100%	18.53	12/19/2024	490
YB23935	Quartz	Flee	13	Golden Predator Exploration Ltd. - 100%	20.58	1/20/2025	491
YD86583	Quartz	BCX	83	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	492

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YB39550	Quartz	Eel	101	Golden Predator Exploration Ltd. - 100%	15.01	1/20/2026	493
YD86523	Quartz	BCX	23	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	494
YD86599	Quartz	BCX	99	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	495
YD86647	Quartz	BCX	147	Golden Predator Exploration Ltd. - 100%	20.24	5/13/2024	496
YD86636	Quartz	BCX	136	Golden Predator Exploration Ltd. - 100%	10.59	5/13/2024	497
YD86678	Quartz	BCX	178	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	498
YB40374	Quartz	Eel	356	Golden Predator Exploration Ltd. - 100%	17.38	1/20/2024	499
YB23795	Quartz	Ele	39	Golden Predator Exploration Ltd. - 100%	10.91	1/20/2025	500
YB23552	Quartz	Ele	12	Golden Predator Exploration Ltd. - 100%	15.25	1/20/2025	501
YB40438	Quartz	Eel	418	Golden Predator Exploration Ltd. - 100%	12.77	1/20/2024	502
YB23358	Quartz	EEL #	46	Golden Predator Exploration Ltd. - 100%	19.22	1/20/2029	503
YB04513	Quartz	Lee	28	Golden Predator Exploration Ltd. - 100%	18.03	1/20/2026	504
YB23819	Quartz	Ele	63	Golden Predator Exploration Ltd. - 100%	18.05	1/20/2025	505
YB40376	Quartz	Eel	358	Golden Predator Exploration Ltd. - 100%	19.39	1/20/2024	506
YD86548	Quartz	BCX	48	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	507
YD86649	Quartz	BCX	149	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	508
YB39556	Quartz	Eel	107	Golden Predator Exploration Ltd. - 100%	19.81	1/20/2026	509
YB39620	Quartz	Eel	171	Golden Predator Exploration Ltd. - 100%	19.48	1/20/2026	510
YD86682	Quartz	BCX	182	Golden Predator Exploration Ltd. - 100%	16.15	5/13/2024	511
YD86635	Quartz	BCX	135	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	512
YB40395	Quartz	Eel	375	Golden Predator Exploration Ltd. - 100%	11.12	1/20/2024	513
YB17739	Quartz	Lee	72	Golden Predator Exploration Ltd. - 100%	19.01	1/20/2027	514
YB23979	Quartz	Flee	57	Golden Predator Exploration Ltd. - 100%	12.68	1/20/2029	515
YB40470	Quartz	Eel	450	Golden Predator Exploration Ltd. - 100%	17.72	1/20/2024	516
YB30012	Quartz	Flee	87	Golden Predator Exploration Ltd. - 100%	17.63	1/20/2025	517
YB39713	Quartz	Eel	266	Golden Predator Exploration Ltd. - 100%	10.7	1/20/2026	518
YB39671	Quartz	Eel	224	Golden Predator Exploration Ltd. - 100%	18.01	1/20/2026	519
YB30005	Quartz	Flee	80	Golden Predator Exploration Ltd. - 100%	16.47	1/20/2025	520
YB40460	Quartz	Eel	440	Golden Predator Exploration Ltd. - 100%	19.15	1/20/2024	521
YB39692	Quartz	Eel	245	Golden Predator Exploration Ltd. - 100%	16.06	1/20/2026	522
YB39573	Quartz	Eel	124	Golden Predator Exploration Ltd. - 100%	21.64	1/20/2026	523
YB39526	Quartz	Eel	77	Golden Predator Exploration Ltd. - 100%	20.17	1/20/2026	524
YB40409	Quartz	Eel	389	Golden Predator Exploration Ltd. - 100%	20.89	1/20/2024	525
YD03413	Quartz	EELX	13	Golden Predator Exploration Ltd. - 100%	19.05	12/19/2024	526
YB23987	Quartz	Flee	65	Golden Predator Exploration Ltd. - 100%	11.31	1/20/2025	527
YB23351	Quartz	EEL #	39	Golden Predator Exploration Ltd. - 100%	18.4	1/20/2029	528
YB40389	Quartz	Eel	371	Golden Predator Exploration Ltd. - 100%	21.02	1/20/2024	529
YD86558	Quartz	BCX	58	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	530

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YB45736	Quartz	Eel F	465	Golden Predator Exploration Ltd. - 100%	13.4	1/20/2025	531
YB23939	Quartz	Flee	17	Golden Predator Exploration Ltd. - 100%	5.41	1/20/2025	532
YD86600	Quartz	BCX	100	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	533
YD03439	Quartz	EELX	39	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	534
YB40484	Quartz	Eel 408A	0	Golden Predator Exploration Ltd. - 100%	12.34	1/20/2024	535
YB23818	Quartz	Ele	62	Golden Predator Exploration Ltd. - 100%	15.2	1/20/2025	536
YB40478	Quartz	Eel	458	Golden Predator Exploration Ltd. - 100%	19.21	1/20/2024	537
YB17710	Quartz	Lee	43	Golden Predator Exploration Ltd. - 100%	18.72	1/20/2027	538
YB17743	Quartz	Lee	76	Golden Predator Exploration Ltd. - 100%	10.95	1/20/2027	539
YD86580	Quartz	BCX	80	Golden Predator Exploration Ltd. - 100%	17.17	5/13/2024	540
YB40340	Quartz	Eel	327	Golden Predator Exploration Ltd. - 100%	19.25	1/20/2024	541
YD03402	Quartz	EELX	2	Golden Predator Exploration Ltd. - 100%	20.21	12/19/2024	542
YB40257	Quartz	Eel	286	Golden Predator Exploration Ltd. - 100%	11.7	1/20/2027	543
YB39522	Quartz	Eel	73	Golden Predator Exploration Ltd. - 100%	20.29	1/20/2026	544
YB23913	Quartz	Eel	59	Golden Predator Exploration Ltd. - 100%	15.21	1/20/2025	545
YD86699	Quartz	BCX	199	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	546
YB40277	Quartz	Flee	112	Golden Predator Exploration Ltd. - 100%	11.85	1/20/2023	547
YB40439	Quartz	Eel	419	Golden Predator Exploration Ltd. - 100%	11.08	1/20/2024	548
YB39717	Quartz	Eel	270	Golden Predator Exploration Ltd. - 100%	10.32	1/20/2026	549
YB39657	Quartz	Eel	210	Golden Predator Exploration Ltd. - 100%	14.75	1/20/2026	550
YD86597	Quartz	BCX	97	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	551
YB39676	Quartz	Eel	229	Golden Predator Exploration Ltd. - 100%	12.38	1/20/2026	552
YB23804	Quartz	Ele	48	Golden Predator Exploration Ltd. - 100%	17.57	1/20/2025	553
YB23356	Quartz	EEL #	44	Golden Predator Exploration Ltd. - 100%	18.27	1/20/2029	554
YB40408	Quartz	Eel	388	Golden Predator Exploration Ltd. - 100%	21.21	1/20/2024	555
YB40400	Quartz	Eel	380	Golden Predator Exploration Ltd. - 100%	13.4	1/20/2024	556
YB39678	Quartz	Eel	231	Golden Predator Exploration Ltd. - 100%	17.35	1/20/2026	557
YB39642	Quartz	Eel	195	Golden Predator Exploration Ltd. - 100%	13.09	1/20/2026	558
YB30027	Quartz	Flee	102	Golden Predator Exploration Ltd. - 100%	17.18	1/20/2025	559
YB17708	Quartz	Lee	41	Golden Predator Exploration Ltd. - 100%	18.41	1/20/2027	560
YB39603	Quartz	Eel	154	Golden Predator Exploration Ltd. - 100%	17.48	1/20/2026	561
YB23832	Quartz	Ele	76	Golden Predator Exploration Ltd. - 100%	18.96	1/20/2025	562
YB39721	Quartz	Eel	274	Golden Predator Exploration Ltd. - 100%	16.81	1/20/2026	563
YB40466	Quartz	Eel	446	Golden Predator Exploration Ltd. - 100%	13.46	1/20/2024	564
YB40477	Quartz	Eel	457	Golden Predator Exploration Ltd. - 100%	5.16	1/20/2024	565
YB23807	Quartz	Ele	51	Golden Predator Exploration Ltd. - 100%	15.43	1/20/2025	566
YB39622	Quartz	Eel	173	Golden Predator Exploration Ltd. - 100%	17.19	1/20/2026	567
YB39645	Quartz	Eel	198	Golden Predator Exploration Ltd. - 100%	17.36	1/20/2026	568

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YB39523	Quartz	Eel	74	Golden Predator Exploration Ltd. - 100%	18.64	1/20/2026	569
YB40383	Quartz	Eel	365	Golden Predator Exploration Ltd. - 100%	19.41	1/20/2024	570
YB39683	Quartz	Eel	236	Golden Predator Exploration Ltd. - 100%	19.22	1/20/2026	571
YB30011	Quartz	Flee	86	Golden Predator Exploration Ltd. - 100%	15.7	1/20/2025	572
YB23830	Quartz	Ele	74	Golden Predator Exploration Ltd. - 100%	18.33	1/20/2025	573
YD86509	Quartz	BCX	9	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	574
YB40569	Quartz	Eel	477	Golden Predator Exploration Ltd. - 100%	16.67	1/20/2027	575
YD86653	Quartz	BCX	153	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	576
YB40144	Quartz	FLEE F	103	Golden Predator Exploration Ltd. - 100%	4.83	1/20/2023	577
YD86640	Quartz	BCX	140	Golden Predator Exploration Ltd. - 100%	13.92	5/13/2024	578
YB40355	Quartz	Eel	342	Golden Predator Exploration Ltd. - 100%	19.92	1/20/2024	579
YB04487	Quartz	Lee	2	Golden Predator Exploration Ltd. - 100%	13.89	1/20/2026	580
YB39576	Quartz	Eel	127	Golden Predator Exploration Ltd. - 100%	21.58	1/20/2026	581
YB39588	Quartz	Eel	139	Golden Predator Exploration Ltd. - 100%	7.66	1/20/2026	582
YB23934	Quartz	Flee	12	Golden Predator Exploration Ltd. - 100%	19.83	1/20/2025	583
YB23836	Quartz	Ele	80	Golden Predator Exploration Ltd. - 100%	13.53	1/20/2025	584
YB23954	Quartz	Flee	32	Golden Predator Exploration Ltd. - 100%	15.65	1/20/2025	585
YB30010	Quartz	Flee	85	Golden Predator Exploration Ltd. - 100%	16.15	1/20/2025	586
YB40362	Quartz	Eel	349	Golden Predator Exploration Ltd. - 100%	17.2	1/20/2024	587
YB39553	Quartz	Eel	104	Golden Predator Exploration Ltd. - 100%	18.47	1/20/2026	588
YB40457	Quartz	Eel	437	Golden Predator Exploration Ltd. - 100%	18.81	1/20/2024	589
YB39535	Quartz	Eel	86	Golden Predator Exploration Ltd. - 100%	18.16	1/20/2026	590
YB39659	Quartz	Eel	212	Golden Predator Exploration Ltd. - 100%	17.11	1/20/2026	591
YD86610	Quartz	BCX	110	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	592
YB40284	Quartz	Eel	302	Golden Predator Exploration Ltd. - 100%	7.82	1/20/2027	593
YB40382	Quartz	Eel	364	Golden Predator Exploration Ltd. - 100%	19.83	1/20/2024	594
YB23947	Quartz	Flee	25	Golden Predator Exploration Ltd. - 100%	18.58	1/20/2025	595
YB39601	Quartz	Eel	152	Golden Predator Exploration Ltd. - 100%	16.66	1/20/2026	596
YD03460	Quartz	EELX	60	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	597
YB39701	Quartz	Eel	254	Golden Predator Exploration Ltd. - 100%	19.95	1/20/2026	598
YB52721	Quartz	BDM	1	Golden Predator Exploration Ltd. - 100%	22.18	1/20/2024	599
YB40259	Quartz	Eel	288	Golden Predator Exploration Ltd. - 100%	14.01	1/20/2027	600
YB39690	Quartz	Eel	243	Golden Predator Exploration Ltd. - 100%	15.93	1/20/2026	601
YB04509	Quartz	Lee	24	Golden Predator Exploration Ltd. - 100%	15.38	1/20/2026	602
YD86538	Quartz	BCX	38	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	603
YB23777	Quartz	Ele	21	Golden Predator Exploration Ltd. - 100%	16.99	1/20/2025	604
YB40434	Quartz	Eel	414	Golden Predator Exploration Ltd. - 100%	11.06	1/20/2024	605
YD03414	Quartz	EELX	14	Golden Predator Exploration Ltd. - 100%	19.92	12/19/2024	606

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YB39654	Quartz	Eel	207	Golden Predator Exploration Ltd. - 100%	15.31	1/20/2026	607
YD102641	Quartz	BCX	1	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	608
YB39521	Quartz	Eel	72	Golden Predator Exploration Ltd. - 100%	19.11	1/20/2026	609
YD86557	Quartz	BCX	57	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	610
YB39639	Quartz	Eel	190	Golden Predator Exploration Ltd. - 100%	18.73	1/20/2026	611
YD03454	Quartz	EELX	54	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	612
YB39590	Quartz	Eel	141	Golden Predator Exploration Ltd. - 100%	12.71	1/20/2026	613
YD03474	Quartz	EELX	74	Golden Predator Exploration Ltd. - 100%	19.45	12/19/2024	614
YB40349	Quartz	Eel	336	Golden Predator Exploration Ltd. - 100%	19.53	1/20/2024	615
YD86612	Quartz	BCX	112	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	616
YB40431	Quartz	Eel	411	Golden Predator Exploration Ltd. - 100%	24.71	1/20/2024	617
YB39630	Quartz	Eel	181	Golden Predator Exploration Ltd. - 100%	19.41	1/20/2026	618
YB39665	Quartz	Eel	218	Golden Predator Exploration Ltd. - 100%	19.64	1/20/2026	619
YB39649	Quartz	Eel	202	Golden Predator Exploration Ltd. - 100%	18.9	1/20/2026	620
YB40417	Quartz	Eel	397	Golden Predator Exploration Ltd. - 100%	20.64	1/20/2024	621
YB40559	Quartz	Eel	467	Golden Predator Exploration Ltd. - 100%	19.72	1/20/2027	622
YD03453	Quartz	EELX	53	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	623
YD86563	Quartz	BCX	63	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	624
YD86665	Quartz	BCX	165	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	625
YD86668	Quartz	BCX	168	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	626
YD86537	Quartz	BCX	37	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	627
YD86519	Quartz	BCX	19	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	628
YD03464	Quartz	EELX	64	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	629
YB39698	Quartz	Eel	251	Golden Predator Exploration Ltd. - 100%	17.99	1/20/2026	630
YB40568	Quartz	Eel	476	Golden Predator Exploration Ltd. - 100%	19.52	1/20/2027	631
YB40465	Quartz	Eel	445	Golden Predator Exploration Ltd. - 100%	13.71	1/20/2024	632
YB40475	Quartz	Eel	455	Golden Predator Exploration Ltd. - 100%	19.93	1/20/2024	633
YB39594	Quartz	Eel	145	Golden Predator Exploration Ltd. - 100%	19.04	1/20/2026	634
YB39644	Quartz	Eel	197	Golden Predator Exploration Ltd. - 100%	14.67	1/20/2026	635
YB40378	Quartz	Eel	360	Golden Predator Exploration Ltd. - 100%	18.95	1/20/2024	636
YB40426	Quartz	Eel	406	Golden Predator Exploration Ltd. - 100%	20.9	1/20/2024	637
YD86643	Quartz	BCX	143	Golden Predator Exploration Ltd. - 100%	19.63	5/13/2024	638
YB40411	Quartz	Eel	391	Golden Predator Exploration Ltd. - 100%	13.44	1/20/2024	639
YB04489	Quartz	Lee	4	Golden Predator Exploration Ltd. - 100%	16.22	1/20/2026	640
YB39623	Quartz	Eel	174	Golden Predator Exploration Ltd. - 100%	19.03	1/20/2026	641
YB23802	Quartz	Ele	46	Golden Predator Exploration Ltd. - 100%	17.28	1/20/2025	642
YB23362	Quartz	EEL #	50	Golden Predator Exploration Ltd. - 100%	19.02	1/20/2029	643
YD86629	Quartz	BCX	129	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	644

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YB40474	Quartz	Eel	454	Golden Predator Exploration Ltd. - 100%	10.06	1/20/2024	645
YD86564	Quartz	BCX	64	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	646
YB40462	Quartz	Eel	442	Golden Predator Exploration Ltd. - 100%	17.22	1/20/2024	647
YD03457	Quartz	EELX	57	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	648
YB23798	Quartz	Ele	42	Golden Predator Exploration Ltd. - 100%	16.9	1/20/2025	649
YB39700	Quartz	Eel	253	Golden Predator Exploration Ltd. - 100%	18.02	1/20/2026	650
YB23964	Quartz	Flee	42	Golden Predator Exploration Ltd. - 100%	15.24	1/20/2029	651
YD86638	Quartz	BCX	138	Golden Predator Exploration Ltd. - 100%	10.98	5/13/2024	652
YD03424	Quartz	EELX	24	Golden Predator Exploration Ltd. - 100%	17.95	12/19/2024	653
YB40348	Quartz	Eel	335	Golden Predator Exploration Ltd. - 100%	16.66	1/20/2024	654
YB39650	Quartz	Eel	203	Golden Predator Exploration Ltd. - 100%	16.4	1/20/2026	655
YD86633	Quartz	F/BCX	133	Golden Predator Exploration Ltd. - 100%	14.42	5/13/2024	656
YB23808	Quartz	Ele	52	Golden Predator Exploration Ltd. - 100%	18.2	1/20/2025	657
YB17704	Quartz	Lee	37	Golden Predator Exploration Ltd. - 100%	18.46	1/20/2027	658
YB30026	Quartz	Flee	101	Golden Predator Exploration Ltd. - 100%	4.93	1/20/2025	659
YD86555	Quartz	BCX	55	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	660
YB23992	Quartz	Flee	70	Golden Predator Exploration Ltd. - 100%	20.42	1/20/2025	661
YB40486	Quartz	Eel 416A	0	Golden Predator Exploration Ltd. - 100%	3.62	1/20/2024	662
YB24000	Quartz	Flee	78	Golden Predator Exploration Ltd. - 100%	19.38	1/20/2025	663
YB30017	Quartz	Flee	92	Golden Predator Exploration Ltd. - 100%	14.06	1/20/2025	664
YD86585	Quartz	BCX	85	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	665
YB17712	Quartz	Lee	45	Golden Predator Exploration Ltd. - 100%	20.62	1/20/2027	666
YD86601	Quartz	BCX	101	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	667
YB40350	Quartz	Eel	337	Golden Predator Exploration Ltd. - 100%	15.87	1/20/2024	668
YB39568	Quartz	Eel	119	Golden Predator Exploration Ltd. - 100%	17.84	1/20/2026	669
YB23794	Quartz	Ele	38	Golden Predator Exploration Ltd. - 100%	19.62	1/20/2025	670
YB23912	Quartz	Eel	58	Golden Predator Exploration Ltd. - 100%	20.79	1/20/2025	671
YD86524	Quartz	BCX	24	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	672
YD03425	Quartz	EELX	25	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	673
YB23329	Quartz	EEL #	17	Golden Predator Exploration Ltd. - 100%	19.83	1/20/2029	674
YB40458	Quartz	Eel	438	Golden Predator Exploration Ltd. - 100%	18.21	1/20/2024	675
YB39543	Quartz	Eel	94	Golden Predator Exploration Ltd. - 100%	19.45	1/20/2026	676
YB88626	Quartz	BDM F	8	Golden Predator Exploration Ltd. - 100%	7.08	1/20/2024	677
YD86602	Quartz	BCX	102	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	678
YB39575	Quartz	Eel	126	Golden Predator Exploration Ltd. - 100%	22.36	1/20/2026	679
YD86510	Quartz	BCX	10	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	680
YB30023	Quartz	Flee	98	Golden Predator Exploration Ltd. - 100%	17.53	1/20/2025	681
YB39689	Quartz	Eel	242	Golden Predator Exploration Ltd. - 100%	19.48	1/20/2026	682

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YB40279	Quartz	Flee	114	Golden Predator Exploration Ltd. - 100%	14.43	1/20/2023	683
YB30020	Quartz	Flee	95	Golden Predator Exploration Ltd. - 100%	5.4	1/20/2025	684
YB40423	Quartz	Eel	403	Golden Predator Exploration Ltd. - 100%	22.34	1/20/2024	685
YB39519	Quartz	Eel	70	Golden Predator Exploration Ltd. - 100%	20.15	1/20/2026	686
YB40281	Quartz	Flee	116	Golden Predator Exploration Ltd. - 100%	12.8	1/20/2023	687
YB39663	Quartz	Eel	216	Golden Predator Exploration Ltd. - 100%	18.38	1/20/2026	688
YB39570	Quartz	Eel	121	Golden Predator Exploration Ltd. - 100%	19.16	1/20/2026	689
YB52883	Quartz	BDM	4	Golden Predator Exploration Ltd. - 100%	8.33	1/20/2024	690
YB23953	Quartz	Flee	31	Golden Predator Exploration Ltd. - 100%	15.33	1/20/2025	691
YD03465	Quartz	EELX	65	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	692
YB39708	Quartz	Eel	261	Golden Predator Exploration Ltd. - 100%	13.96	1/20/2026	693
YB39582	Quartz	Eel	133	Golden Predator Exploration Ltd. - 100%	16.91	1/20/2026	694
YB23346	Quartz	EEL #	34	Golden Predator Exploration Ltd. - 100%	18.14	1/20/2029	695
YB40441	Quartz	Eel	421	Golden Predator Exploration Ltd. - 100%	17.62	1/20/2024	696
YB38731	Quartz	Lee	85	Golden Predator Exploration Ltd. - 100%	3.82	1/20/2025	697
YB39561	Quartz	Eel	112	Golden Predator Exploration Ltd. - 100%	17.78	1/20/2026	698
YB40375	Quartz	Eel	357	Golden Predator Exploration Ltd. - 100%	19.22	1/20/2024	699
YB23970	Quartz	Flee	48	Golden Predator Exploration Ltd. - 100%	15.82	1/20/2025	700
YB23778	Quartz	Ele	22	Golden Predator Exploration Ltd. - 100%	17.25	1/20/2025	701
YB39633	Quartz	Eel	184	Golden Predator Exploration Ltd. - 100%	20.46	1/20/2026	702
YD86595	Quartz	BCX	95	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	703
YB23910	Quartz	Eel	56	Golden Predator Exploration Ltd. - 100%	21.26	1/20/2025	704
YB23784	Quartz	Ele	28	Golden Predator Exploration Ltd. - 100%	21.82	1/20/2025	705
YB40133	Quartz	FLEE F	93	Golden Predator Exploration Ltd. - 100%	11.22	1/20/2027	706
YB23824	Quartz	Ele	68	Golden Predator Exploration Ltd. - 100%	17.07	1/20/2025	707
YB23952	Quartz	Flee	30	Golden Predator Exploration Ltd. - 100%	16.27	1/20/2025	708
YB40256	Quartz	Eel	285	Golden Predator Exploration Ltd. - 100%	8.62	1/20/2027	709
YB23554	Quartz	Ele	14	Golden Predator Exploration Ltd. - 100%	20.26	1/20/2025	710
YB39660	Quartz	Eel	213	Golden Predator Exploration Ltd. - 100%	18.76	1/20/2026	711
YB23924	Quartz	Flee	2	Golden Predator Exploration Ltd. - 100%	7.26	1/20/2025	712
YD86552	Quartz	F/BCX	52	Golden Predator Exploration Ltd. - 100%	7.46	5/13/2024	713
YD86520	Quartz	BCX	20	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	714
YD86527	Quartz	BCX	27	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	715
YB40341	Quartz	Eel	328	Golden Predator Exploration Ltd. - 100%	19.23	1/20/2024	716
YB23989	Quartz	Flee	67	Golden Predator Exploration Ltd. - 100%	17.86	1/20/2025	717
YD86505	Quartz	BCX	5	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	718
YD86613	Quartz	BCX	113	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	719
YB40437	Quartz	Eel	417	Golden Predator Exploration Ltd. - 100%	14.57	1/20/2024	720

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YB40567	Quartz	Eel	475	Golden Predator Exploration Ltd. - 100%	16.5	1/20/2027	721
YB40415	Quartz	Eel	395	Golden Predator Exploration Ltd. - 100%	19.59	1/20/2024	722
YB23933	Quartz	Flee	11	Golden Predator Exploration Ltd. - 100%	20.72	1/20/2025	723
YB40422	Quartz	Eel	402	Golden Predator Exploration Ltd. - 100%	13.45	1/20/2024	724
YB39538	Quartz	Eel	89	Golden Predator Exploration Ltd. - 100%	14.61	1/20/2026	725
YD86672	Quartz	BCX	172	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	726
YB23995	Quartz	Flee	73	Golden Predator Exploration Ltd. - 100%	19.38	1/20/2025	727
YB23781	Quartz	Ele	25	Golden Predator Exploration Ltd. - 100%	21.99	1/20/2025	728
YD03418	Quartz	EELX	18	Golden Predator Exploration Ltd. - 100%	18.98	12/19/2024	729
YB23920	Quartz	Eel	66	Golden Predator Exploration Ltd. - 100%	20.83	1/20/2025	730
YB04502	Quartz	Lee	17	Golden Predator Exploration Ltd. - 100%	14.13	1/20/2026	731
YB39652	Quartz	Eel	205	Golden Predator Exploration Ltd. - 100%	16.47	1/20/2026	732
YD86644	Quartz	BCX	144	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	733
YB23937	Quartz	Flee	15	Golden Predator Exploration Ltd. - 100%	20.4	1/20/2025	734
YD86659	Quartz	BCX	159	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	735
YB40561	Quartz	Eel	469	Golden Predator Exploration Ltd. - 100%	18.78	1/20/2027	736
YB40377	Quartz	Eel	359	Golden Predator Exploration Ltd. - 100%	18.4	1/20/2024	737
YD03473	Quartz	EELX	73	Golden Predator Exploration Ltd. - 100%	16.43	12/19/2024	738
YB39719	Quartz	Eel	272	Golden Predator Exploration Ltd. - 100%	17.96	1/20/2026	739
YB23826	Quartz	Ele	70	Golden Predator Exploration Ltd. - 100%	17.02	1/20/2025	740
YB39609	Quartz	Eel	160	Golden Predator Exploration Ltd. - 100%	18.48	1/20/2026	741
YB17730	Quartz	Lee	63	Golden Predator Exploration Ltd. - 100%	17.05	1/20/2027	742
YB39661	Quartz	Eel	214	Golden Predator Exploration Ltd. - 100%	18.84	1/20/2026	743
YD86536	Quartz	BCX	36	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	744
YB39563	Quartz	Eel	114	Golden Predator Exploration Ltd. - 100%	0.93	1/20/2026	745
YB40424	Quartz	Eel	404	Golden Predator Exploration Ltd. - 100%	23.04	1/20/2024	746
YD86681	Quartz	BCX	181	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	747
YB39572	Quartz	Eel	123	Golden Predator Exploration Ltd. - 100%	13.55	1/20/2026	748
YB40347	Quartz	Eel	334	Golden Predator Exploration Ltd. - 100%	20.5	1/20/2024	749
YB40442	Quartz	Eel	422	Golden Predator Exploration Ltd. - 100%	15.28	1/20/2024	750
YB39618	Quartz	Eel	169	Golden Predator Exploration Ltd. - 100%	17.03	1/20/2026	751
YB40272	Quartz	Flee	107	Golden Predator Exploration Ltd. - 100%	13.14	1/20/2023	752
YD86529	Quartz	BCX	29	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	753
YB23966	Quartz	Flee	44	Golden Predator Exploration Ltd. - 100%	16.81	1/20/2025	754
YB39638	Quartz	Eel	189	Golden Predator Exploration Ltd. - 100%	20.08	1/20/2026	755
YB45737	Quartz	Eel F	466	Golden Predator Exploration Ltd. - 100%	13.6	1/20/2025	756
YB23555	Quartz	Ele	15	Golden Predator Exploration Ltd. - 100%	19.67	1/20/2025	757
YB23345	Quartz	EEL #	33	Golden Predator Exploration Ltd. - 100%	20.31	1/20/2029	758

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YB23208	Quartz	Lee	78	Golden Predator Exploration Ltd. - 100%	19.54	1/20/2025	759
YB39536	Quartz	Eel	87	Golden Predator Exploration Ltd. - 100%	14.83	1/20/2026	760
YD86579	Quartz	BCX	79	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	761
YD86611	Quartz	BCX	111	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	762
YB40357	Quartz	Eel	344	Golden Predator Exploration Ltd. - 100%	20.26	1/20/2024	763
YB39578	Quartz	Eel	129	Golden Predator Exploration Ltd. - 100%	19.02	1/20/2026	764
YB23327	Quartz	EEL #	15	Golden Predator Exploration Ltd. - 100%	21.12	1/20/2029	765
YD86541	Quartz	BCX	41	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	766
YB39643	Quartz	Eel	196	Golden Predator Exploration Ltd. - 100%	16.34	1/20/2026	767
YB40139	Quartz	FLEE F	98	Golden Predator Exploration Ltd. - 100%	2.95	1/20/2023	768
YD86518	Quartz	BCX	18	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	769
YB40258	Quartz	Eel	287	Golden Predator Exploration Ltd. - 100%	11.22	1/20/2027	770
YB23828	Quartz	Ele	72	Golden Predator Exploration Ltd. - 100%	18.45	1/20/2025	771
YB23355	Quartz	EEL #	43	Golden Predator Exploration Ltd. - 100%	19.2	1/20/2029	772
YB39539	Quartz	Eel	90	Golden Predator Exploration Ltd. - 100%	13.45	1/20/2026	773
YD86684	Quartz	BCX	184	Golden Predator Exploration Ltd. - 100%	18.88	5/13/2025	774
YB39680	Quartz	Eel	233	Golden Predator Exploration Ltd. - 100%	18.65	1/20/2026	775
YB23360	Quartz	EEL #	48	Golden Predator Exploration Ltd. - 100%	19.52	1/20/2029	776
YD86660	Quartz	BCX	160	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	777
YB23791	Quartz	Ele	35	Golden Predator Exploration Ltd. - 100%	10.89	1/20/2025	778
YB40327	Quartz	Eel	314	Golden Predator Exploration Ltd. - 100%	17.42	1/20/2024	779
YB40468	Quartz	Eel	448	Golden Predator Exploration Ltd. - 100%	17.63	1/20/2024	780
YD03456	Quartz	EELX	56	Golden Predator Exploration Ltd. - 100%	20.21	12/19/2024	781
YB23991	Quartz	Flee	69	Golden Predator Exploration Ltd. - 100%	18.43	1/20/2025	782
YB23916	Quartz	Eel	62	Golden Predator Exploration Ltd. - 100%	19.37	1/20/2025	783
YD86704	Quartz	BCX	204	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	784
YB40267	Quartz	Eel	296	Golden Predator Exploration Ltd. - 100%	10.01	1/20/2027	785
YB23787	Quartz	Ele	31	Golden Predator Exploration Ltd. - 100%	17.03	1/20/2025	786
YD86639	Quartz	BCX	139	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	787
YD86618	Quartz	BCX	118	Golden Predator Exploration Ltd. - 100%	16.47	5/13/2024	788
YB39534	Quartz	Eel	85	Golden Predator Exploration Ltd. - 100%	15.36	1/20/2026	789
YB40370	Quartz	Eel	312	Golden Predator Exploration Ltd. - 100%	4	1/20/2027	790
YB17737	Quartz	Lee	70	Golden Predator Exploration Ltd. - 100%	17.34	1/20/2027	791
YD86675	Quartz	BCX	175	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	792
YB23938	Quartz	Flee	16	Golden Predator Exploration Ltd. - 100%	18.98	1/20/2025	793
YB40388	Quartz	Eel	370	Golden Predator Exploration Ltd. - 100%	22.71	1/20/2024	794
YD03431	Quartz	EELX	31	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	795
YB30025	Quartz	Flee	100	Golden Predator Exploration Ltd. - 100%	15.86	1/20/2025	796

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YB40454	Quartz	Eel	434	Golden Predator Exploration Ltd. - 100%	15.71	1/20/2024	797
YB17732	Quartz	Lee	65	Golden Predator Exploration Ltd. - 100%	16.49	1/20/2027	798
YD03429	Quartz	EELX	29	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	799
YD03422	Quartz	EELX	22	Golden Predator Exploration Ltd. - 100%	18.19	12/19/2024	800
YB23929	Quartz	Flee	7	Golden Predator Exploration Ltd. - 100%	21.41	1/20/2025	801
YB23805	Quartz	Ele	49	Golden Predator Exploration Ltd. - 100%	15.77	1/20/2025	802
YD03448	Quartz	EELX	48	Golden Predator Exploration Ltd. - 100%	19.08	12/19/2024	803
YB39525	Quartz	Eel	76	Golden Predator Exploration Ltd. - 100%	15.47	1/20/2026	804
YB39709	Quartz	Eel	262	Golden Predator Exploration Ltd. - 100%	10.52	1/20/2026	805
YB39681	Quartz	Eel	234	Golden Predator Exploration Ltd. - 100%	19.61	1/20/2026	806
YB23968	Quartz	Flee	46	Golden Predator Exploration Ltd. - 100%	14.9	1/20/2025	807
YB23928	Quartz	Flee	6	Golden Predator Exploration Ltd. - 100%	19.21	1/20/2025	808
YD03405	Quartz	EELX	5	Golden Predator Exploration Ltd. - 100%	16.01	12/19/2024	809
YB39703	Quartz	Eel	256	Golden Predator Exploration Ltd. - 100%	19.55	1/20/2026	810
YD86549	Quartz	BCX	49	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	811
YB23207	Quartz	Lee	77	Golden Predator Exploration Ltd. - 100%	10.14	1/20/2025	812
YD86591	Quartz	BCX	91	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	813
YD86685	Quartz	BCX	185	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	814
YD86572	Quartz	BCX	72	Golden Predator Exploration Ltd. - 100%	16.38	5/13/2025	815
YB39699	Quartz	Eel	252	Golden Predator Exploration Ltd. - 100%	20.33	1/20/2026	816
YB23961	Quartz	Flee	39	Golden Predator Exploration Ltd. - 100%	4.04	1/20/2029	817
YB23821	Quartz	Ele	65	Golden Predator Exploration Ltd. - 100%	16.16	1/20/2025	818
YB39574	Quartz	Eel	125	Golden Predator Exploration Ltd. - 100%	12.61	1/20/2026	819
YB40337	Quartz	Eel	324	Golden Predator Exploration Ltd. - 100%	17.79	1/20/2024	820
YB39697	Quartz	Eel	250	Golden Predator Exploration Ltd. - 100%	20.84	1/20/2026	821
YB39581	Quartz	Eel	132	Golden Predator Exploration Ltd. - 100%	18.49	1/20/2026	822
YB30013	Quartz	Flee	88	Golden Predator Exploration Ltd. - 100%	16.14	1/20/2025	823
YB04510	Quartz	Lee	25	Golden Predator Exploration Ltd. - 100%	14.5	1/20/2026	824
YB23984	Quartz	Flee	62	Golden Predator Exploration Ltd. - 100%	21.47	1/20/2029	825
YB40321	Quartz	Eel	299	Golden Predator Exploration Ltd. - 100%	16.81	1/20/2027	826
YB17706	Quartz	Lee	39	Golden Predator Exploration Ltd. - 100%	18.76	1/20/2027	827
YB40363	Quartz	Eel	350	Golden Predator Exploration Ltd. - 100%	19.68	1/20/2024	828
YB40253	Quartz	Eel	282	Golden Predator Exploration Ltd. - 100%	17.43	1/20/2027	829
YD86646	Quartz	BCX	146	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	830
YD86700	Quartz	BCX	200	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	831
YB23833	Quartz	Ele	77	Golden Predator Exploration Ltd. - 100%	18.58	1/20/2025	832
YD03440	Quartz	EELX	40	Golden Predator Exploration Ltd. - 100%	18.4	12/19/2024	833
YD86532	Quartz	BCX	32	Golden Predator Exploration Ltd. - 100%	17.61	5/13/2024	834

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YB39598	Quartz	Eel	149	Golden Predator Exploration Ltd. - 100%	19.53	1/20/2026	835
YD86607	Quartz	BCX	107	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	836
YB40265	Quartz	Eel	294	Golden Predator Exploration Ltd. - 100%	5.78	1/20/2027	837
YB40268	Quartz	Eel	297	Golden Predator Exploration Ltd. - 100%	11.31	1/20/2027	838
YD86674	Quartz	BCX	174	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	839
YB23352	Quartz	EEL #	40	Golden Predator Exploration Ltd. - 100%	19.99	1/20/2029	840
YB39624	Quartz	Eel	175	Golden Predator Exploration Ltd. - 100%	16.92	1/20/2026	841
YB40429	Quartz	Eel	409	Golden Predator Exploration Ltd. - 100%	12.27	1/20/2024	842
YD03404	Quartz	EELX	4	Golden Predator Exploration Ltd. - 100%	20.57	12/19/2024	843
YB40273	Quartz	Flee	108	Golden Predator Exploration Ltd. - 100%	11.58	1/20/2023	844
YB40344	Quartz	Eel	331	Golden Predator Exploration Ltd. - 100%	17.64	1/20/2024	845
YB40338	Quartz	Eel	325	Golden Predator Exploration Ltd. - 100%	17.51	1/20/2024	846
YB39656	Quartz	Eel	209	Golden Predator Exploration Ltd. - 100%	12.82	1/20/2026	847
YB30014	Quartz	Flee	89	Golden Predator Exploration Ltd. - 100%	19.94	1/20/2025	848
YB40270	Quartz	Flee	105	Golden Predator Exploration Ltd. - 100%	13.33	1/20/2023	849
YB40373	Quartz	Eel	355	Golden Predator Exploration Ltd. - 100%	17.07	1/20/2024	850
YB40425	Quartz	Eel	405	Golden Predator Exploration Ltd. - 100%	20.63	1/20/2024	851
YB23350	Quartz	EEL #	38	Golden Predator Exploration Ltd. - 100%	18.5	1/20/2029	852
YD03406	Quartz	EELX	6	Golden Predator Exploration Ltd. - 100%	20.57	12/19/2024	853
YB39532	Quartz	Eel	83	Golden Predator Exploration Ltd. - 100%	17	1/20/2026	854
YB40402	Quartz	Eel	382	Golden Predator Exploration Ltd. - 100%	14.96	1/20/2024	855
YB40141	Quartz	FLEE F	100	Golden Predator Exploration Ltd. - 100%	5.62	1/20/2023	856
YD86692	Quartz	BCX	192	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	857
YB39564	Quartz	Eel	115	Golden Predator Exploration Ltd. - 100%	12.45	1/20/2026	858
YB23978	Quartz	Flee	56	Golden Predator Exploration Ltd. - 100%	21.98	1/20/2029	859
YD03446	Quartz	EELX	46	Golden Predator Exploration Ltd. - 100%	18.79	12/19/2024	860
YD86664	Quartz	BCX	164	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	861
YB39636	Quartz	Eel	187	Golden Predator Exploration Ltd. - 100%	21.41	1/20/2026	862
YB23919	Quartz	Eel	65	Golden Predator Exploration Ltd. - 100%	19.66	1/20/2025	863
YB40145	Quartz	FLEE F	104	Golden Predator Exploration Ltd. - 100%	4.06	1/20/2023	864
YB04517	Quartz	Lee	32	Golden Predator Exploration Ltd. - 100%	18.13	1/20/2026	865
YB39705	Quartz	Eel	258	Golden Predator Exploration Ltd. - 100%	18.9	1/20/2026	866
YB40443	Quartz	Eel	423	Golden Predator Exploration Ltd. - 100%	20.9	1/20/2024	867
YB39704	Quartz	Eel	257	Golden Predator Exploration Ltd. - 100%	17.85	1/20/2026	868
YB39527	Quartz	Eel	78	Golden Predator Exploration Ltd. - 100%	18.05	1/20/2026	869
YD86539	Quartz	BCX	39	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	870
YD86511	Quartz	BCX	11	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	871
YB39615	Quartz	Eel	166	Golden Predator Exploration Ltd. - 100%	17.34	1/20/2026	872

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YD86631	Quartz	BCX	131	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	873
YD86554	Quartz	BCX	54	Golden Predator Exploration Ltd. - 100%	17.85	5/13/2025	874
YB23993	Quartz	Flee	71	Golden Predator Exploration Ltd. - 100%	17.89	1/20/2025	875
YD86679	Quartz	BCX	179	Golden Predator Exploration Ltd. - 100%	19.06	5/13/2025	876
YB39569	Quartz	Eel	120	Golden Predator Exploration Ltd. - 100%	18.86	1/20/2026	877
YD86576	Quartz	BCX	76	Golden Predator Exploration Ltd. - 100%	16.77	5/13/2024	878
YB40483	Quartz	Eel 407A	0	Golden Predator Exploration Ltd. - 100%	13.64	1/20/2024	879
YB40444	Quartz	Eel	424	Golden Predator Exploration Ltd. - 100%	18.23	1/20/2024	880
YB23974	Quartz	Flee	52	Golden Predator Exploration Ltd. - 100%	17.54	1/20/2025	881
YB23353	Quartz	EEL #	41	Golden Predator Exploration Ltd. - 100%	18.56	1/20/2029	882
YB52884	Quartz	BDM	5	Golden Predator Exploration Ltd. - 100%	8.52	1/20/2024	883
YB40452	Quartz	Eel	432	Golden Predator Exploration Ltd. - 100%	15.49	1/20/2024	884
YB40421	Quartz	Eel	401	Golden Predator Exploration Ltd. - 100%	12.64	1/20/2024	885
YB40396	Quartz	Eel	376	Golden Predator Exploration Ltd. - 100%	16.25	1/20/2024	886
YB39608	Quartz	Eel	159	Golden Predator Exploration Ltd. - 100%	16.24	1/20/2026	887
YB40397	Quartz	Eel	377	Golden Predator Exploration Ltd. - 100%	17.46	1/20/2024	888
YD86651	Quartz	BCX	151	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	889
YB39531	Quartz	Eel	82	Golden Predator Exploration Ltd. - 100%	18.12	1/20/2026	890
YB39693	Quartz	Eel	246	Golden Predator Exploration Ltd. - 100%	19.56	1/20/2026	891
YB40360	Quartz	Eel	347	Golden Predator Exploration Ltd. - 100%	18.45	1/20/2024	892
YB04505	Quartz	Lee	20	Golden Predator Exploration Ltd. - 100%	18.46	1/20/2026	893
YB23806	Quartz	Ele	50	Golden Predator Exploration Ltd. - 100%	18.36	1/20/2025	894
YD86570	Quartz	BCX	70	Golden Predator Exploration Ltd. - 100%	16.18	5/13/2025	895
YB23783	Quartz	Ele	27	Golden Predator Exploration Ltd. - 100%	19.96	1/20/2025	896
YB39579	Quartz	Eel	130	Golden Predator Exploration Ltd. - 100%	17.41	1/20/2026	897
YB40329	Quartz	Eel	316	Golden Predator Exploration Ltd. - 100%	16.84	1/20/2024	898
YB40420	Quartz	Eel	400	Golden Predator Exploration Ltd. - 100%	10.28	1/20/2024	899
YB39655	Quartz	Eel	208	Golden Predator Exploration Ltd. - 100%	18.11	1/20/2026	900
YD86550	Quartz	BCX	50	Golden Predator Exploration Ltd. - 100%	16.32	5/13/2024	901
YB23959	Quartz	Flee	37	Golden Predator Exploration Ltd. - 100%	7.43	1/20/2025	902
YB17740	Quartz	Lee	73	Golden Predator Exploration Ltd. - 100%	19.16	1/20/2027	903
YB23792	Quartz	Ele	36	Golden Predator Exploration Ltd. - 100%	18.61	1/20/2025	904
YB23785	Quartz	Ele	29	Golden Predator Exploration Ltd. - 100%	19.63	1/20/2025	905
YB40404	Quartz	Eel	384	Golden Predator Exploration Ltd. - 100%	17.86	1/20/2024	906
YD03467	Quartz	EELX	67	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	907
YB23347	Quartz	EEL #	35	Golden Predator Exploration Ltd. - 100%	19.41	1/20/2029	908
YB23816	Quartz	Ele	60	Golden Predator Exploration Ltd. - 100%	13.89	1/20/2025	909
YD03407	Quartz	EELX	7	Golden Predator Exploration Ltd. - 100%	20.57	12/19/2024	910

GRANT NUMBER	CLAIM TYPE	CLAIM NAME	CLAIM NUMBER	CLAIM OWNER	CLAIM AREA Ha	EXPIRY DATE	Count
YB40455	Quartz	Eel	435	Golden Predator Exploration Ltd. - 100%	18.84	1/20/2024	911
YB30021	Quartz	Flee	96	Golden Predator Exploration Ltd. - 100%	18.9	1/20/2025	912
YB23976	Quartz	Flee	54	Golden Predator Exploration Ltd. - 100%	22.37	1/20/2025	913
YB40451	Quartz	Eel	431	Golden Predator Exploration Ltd. - 100%	16	1/20/2024	914
YB23983	Quartz	Flee	61	Golden Predator Exploration Ltd. - 100%	12.61	1/20/2029	915
YD03461	Quartz	EELX	61	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	916
YB40365	Quartz	Eel	352	Golden Predator Exploration Ltd. - 100%	18.86	1/20/2024	917
YB17735	Quartz	Lee	68	Golden Predator Exploration Ltd. - 100%	17.72	1/20/2027	918
YB23998	Quartz	Flee	76	Golden Predator Exploration Ltd. - 100%	18.89	1/20/2025	919
YD86525	Quartz	BCX	25	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	920
YD86571	Quartz	BCX	71	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	921
YB39540	Quartz	Eel	91	Golden Predator Exploration Ltd. - 100%	18.67	1/20/2026	922
YB39518	Quartz	Eel	69	Golden Predator Exploration Ltd. - 100%	20.3	1/20/2026	923
YB23999	Quartz	Flee	77	Golden Predator Exploration Ltd. - 100%	18.53	1/20/2025	924
YB23835	Quartz	Ele	79	Golden Predator Exploration Ltd. - 100%	12.68	1/20/2025	925
YD86559	Quartz	BCX	59	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	926
YB23820	Quartz	Ele	64	Golden Predator Exploration Ltd. - 100%	17.31	1/20/2025	927
YB45739	Quartz	Eel F	468	Golden Predator Exploration Ltd. - 100%	12.84	1/20/2025	928
YD86516	Quartz	BCX	16	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	929
YB23801	Quartz	Ele	45	Golden Predator Exploration Ltd. - 100%	14.54	1/20/2025	930
YB39718	Quartz	Eel	271	Golden Predator Exploration Ltd. - 100%	19.48	1/20/2026	931
YB23331	Quartz	EEL #	19	Golden Predator Exploration Ltd. - 100%	21.37	1/20/2029	932
YB40435	Quartz	Eel	415	Golden Predator Exploration Ltd. - 100%	12.34	1/20/2024	933
YD86588	Quartz	BCX	88	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	934
YB23359	Quartz	EEL #	47	Golden Predator Exploration Ltd. - 100%	21.02	1/20/2029	935
YB39554	Quartz	Eel	105	Golden Predator Exploration Ltd. - 100%	19.82	1/20/2026	936
YB40381	Quartz	Eel	363	Golden Predator Exploration Ltd. - 100%	19.38	1/20/2024	937
YB39549	Quartz	Eel	100	Golden Predator Exploration Ltd. - 100%	18.57	1/20/2026	938
YB39557	Quartz	Eel	108	Golden Predator Exploration Ltd. - 100%	18.7	1/20/2026	939
YB40560	Quartz	Eel	468	Golden Predator Exploration Ltd. - 100%	22.66	1/20/2027	940
YD03444	Quartz	EELX	44	Golden Predator Exploration Ltd. - 100%	18.66	12/19/2024	941
YB40563	Quartz	Eel	471	Golden Predator Exploration Ltd. - 100%	12.76	1/20/2027	942
YB23834	Quartz	Ele	78	Golden Predator Exploration Ltd. - 100%	19.94	1/20/2025	943
YB39640	Quartz	Eel	191	Golden Predator Exploration Ltd. - 100%	19.24	1/20/2026	944
YB39691	Quartz	Eel	244	Golden Predator Exploration Ltd. - 100%	18.86	1/20/2026	945
YB40358	Quartz	Eel	345	Golden Predator Exploration Ltd. - 100%	16.25	1/20/2024	946
YD86603	Quartz	BCX	103	Golden Predator Exploration Ltd. - 100%	14.31	5/13/2024	947
YB39600	Quartz	Eel	151	Golden Predator Exploration Ltd. - 100%	15.93	1/20/2026	948

GRANT NUMBER	CLAIM TYPE	CLAIM NAME	CLAIM NUMBER	CLAIM OWNER	CLAIM AREA Ha	EXPIRY DATE	Count
YB39621	Quartz	Eel	172	Golden Predator Exploration Ltd. - 100%	17.87	1/20/2026	949
YB40369	Quartz	Eel	311	Golden Predator Exploration Ltd. - 100%	7.31	1/20/2027	950
YB40480	Quartz	Eel	462	Golden Predator Exploration Ltd. - 100%	20.48	1/20/2024	951
YD03421	Quartz	EELX	21	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	952
YD03462	Quartz	EELX	62	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	953
YB39714	Quartz	Eel	267	Golden Predator Exploration Ltd. - 100%	14.15	1/20/2026	954
YB23908	Quartz	Eel	54	Golden Predator Exploration Ltd. - 100%	13.03	1/20/2025	955
YB23328	Quartz	EEL #	16	Golden Predator Exploration Ltd. - 100%	21.84	1/20/2029	956
YB39524	Quartz	Eel	75	Golden Predator Exploration Ltd. - 100%	19.83	1/20/2026	957
YB40252	Quartz	Eel	281	Golden Predator Exploration Ltd. - 100%	0.34	1/20/2027	958
YB23551	Quartz	Ele	11	Golden Predator Exploration Ltd. - 100%	12.71	1/20/2025	959
YD03427	Quartz	EELX	27	Golden Predator Exploration Ltd. - 100%	20.25	12/19/2024	960
YD86652	Quartz	BCX	152	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	961
YD86540	Quartz	BCX	40	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	962
YD86578	Quartz	BCX	78	Golden Predator Exploration Ltd. - 100%	16.97	5/13/2024	963
YD86697	Quartz	BCX	197	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	964
YD03412	Quartz	EELX	12	Golden Predator Exploration Ltd. - 100%	19.93	12/19/2024	965
YB39558	Quartz	Eel	109	Golden Predator Exploration Ltd. - 100%	18.37	1/20/2026	966
YB40463	Quartz	Eel	443	Golden Predator Exploration Ltd. - 100%	15.62	1/20/2024	967
YD86703	Quartz	BCX	203	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	968
YB23827	Quartz	Ele	71	Golden Predator Exploration Ltd. - 100%	17.41	1/20/2025	969
YB40335	Quartz	Eel	322	Golden Predator Exploration Ltd. - 100%	17.62	1/20/2024	970
YD86586	Quartz	BCX	86	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	971
YB40288	Quartz	Eel	307	Golden Predator Exploration Ltd. - 100%	1.24	1/20/2027	972
YD86698	Quartz	BCX	198	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	973
YD86513	Quartz	BCX	13	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	974
YB40366	Quartz	Eel	308	Golden Predator Exploration Ltd. - 100%	10.13	1/20/2027	975
YB39599	Quartz	Eel	150	Golden Predator Exploration Ltd. - 100%	19.94	1/20/2026	976
YB40283	Quartz	Eel	301	Golden Predator Exploration Ltd. - 100%	8.37	1/20/2027	977
YD86542	Quartz	BCX	42	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2024	978
YB23982	Quartz	Flee	60	Golden Predator Exploration Ltd. - 100%	22.79	1/20/2029	979
YB23950	Quartz	Flee	28	Golden Predator Exploration Ltd. - 100%	18.96	1/20/2025	980
YD86566	Quartz	BCX	66	Golden Predator Exploration Ltd. - 100%	20.25	5/13/2025	981
YB40320	Quartz	Flee	121	Golden Predator Exploration Ltd. - 100%	3.86	1/20/2027	982

GRANT NUMBER	LEASE NUMBER	TYPE	CLAIM NAME	CLAIM NUMBER	LEASE OWNER	EXPIRY DATE	LEASE AREA Ha	Count
YB23549	ND00097	Quartz	Ele	9	Golden Predator Exploration Ltd. - 100%	3/24/2039	17.57	1

GRANT NUMBER	LEASE NUMBER	TYPE	CLAIM NAME	CLAIM NUMBER	LEASE OWNER	EXPIRY DATE	LEASE AREA Ha	Count
YB04488	ND00019	Quartz	Lee	3	Golden Predator Exploration Ltd. - 100%	5/31/2037	18.96	2
YB23315	ND00051	Quartz	EEL #	3	Golden Predator Exploration Ltd. - 100%	5/31/2037	19.51	3
YB23547	ND00071	Quartz	Ele	7	Golden Predator Exploration Ltd. - 100%	5/31/2037	20.15	4
YB23340	ND00066	Quartz	EEL #	28	Golden Predator Exploration Ltd. - 100%	5/31/2037	21.91	5
YB17700	ND00032	Quartz	Lee	33	Golden Predator Exploration Ltd. - 100%	5/31/2037	16.26	6
YB17702	ND00034	Quartz	Lee	35	Golden Predator Exploration Ltd. - 100%	5/31/2037	16.12	7
YB40262	ND00091	Quartz	Eel	291	Golden Predator Exploration Ltd. - 100%	5/31/2037	3.01	8
YB23212	ND00104	Quartz	Lee	82	Golden Predator Exploration Ltd. - 100%	4/30/2040	20.25	9
YB23209	ND00101	Quartz	Lee	79	Golden Predator Exploration Ltd. - 100%	4/30/2040	12.83	10
YB17718	ND00044	Quartz	Lee	51	Golden Predator Exploration Ltd. - 100%	5/31/2037	21.1	11
YB40248	ND00110	Quartz	Eel	277	Golden Predator Exploration Ltd. - 100%	4/30/2040	9.27	12
YB23314	ND00050	Quartz	EEL #	2	Golden Predator Exploration Ltd. - 100%	5/31/2037	20.9	13
YB17713	ND00040	Quartz	Lee	46	Golden Predator Exploration Ltd. - 100%	5/31/2037	12.58	14
YB04498	ND00025	Quartz	Lee	13	Golden Predator Exploration Ltd. - 100%	5/31/2037	19.36	15
YB04516	ND00031	Quartz	Lee	31	Golden Predator Exploration Ltd. - 100%	5/31/2037	14.7	16
YB40261	ND00090	Quartz	Eel	290	Golden Predator Exploration Ltd. - 100%	5/31/2037	1.42	17
YB40247	ND00109	Quartz	Eel	276	Golden Predator Exploration Ltd. - 100%	4/30/2040	16.72	18
YB17719	ND00045	Quartz	Lee	52	Golden Predator Exploration Ltd. - 100%	5/31/2037	11.58	19
YB23958	ND00078	Quartz	Flee	36	Golden Predator Exploration Ltd. - 100%	5/31/2037	14.61	20
YB04501	ND00028	Quartz	Lee	16	Golden Predator Exploration Ltd. - 100%	5/31/2037	20.55	21
YB23318	ND00054	Quartz	EEL #	6	Golden Predator Exploration Ltd. - 100%	5/31/2037	19.79	22
YB17709	ND00038	Quartz	Lee	42	Golden Predator Exploration Ltd. - 100%	5/31/2037	16.25	23
YB23550	ND00073	Quartz	Ele	10	Golden Predator Exploration Ltd. - 100%	5/31/2037	18.38	24
YB23909	ND00106	Quartz	Eel	55	Golden Predator Exploration Ltd. - 100%	4/30/2040	19.74	25
YB23973	ND00080	Quartz	Flee	51	Golden Predator Exploration Ltd. - 100%	5/31/2037	14.3	26
YB17715	ND00041	Quartz	Lee	48	Golden Predator Exploration Ltd. - 100%	5/31/2037	11.06	27
YB04514	ND00030	Quartz	Lee	29	Golden Predator Exploration Ltd. - 100%	5/31/2037	12.24	28
YB23775	ND00076	Quartz	Ele	19	Golden Predator Exploration Ltd. - 100%	5/31/2037	19.6	29
YB40250	ND00096	Quartz	Eel	279	Golden Predator Exploration Ltd. - 100%	3/24/2039	0.2	30
YB40136	ND00085	Quartz	FLEE F	96	Golden Predator Exploration Ltd. - 100%	5/31/2037	1.8	31
YB23321	ND00057	Quartz	EEL #	9	Golden Predator Exploration Ltd. - 100%	5/31/2037	20.3	32
YB23546	ND00070	Quartz	Ele	6	Golden Predator Exploration Ltd. - 100%	5/31/2037	18.57	33
YB23776	ND00077	Quartz	Ele	20	Golden Predator Exploration Ltd. - 100%	5/31/2037	19.6	34
YB40249	ND00087	Quartz	Eel	278	Golden Predator Exploration Ltd. - 100%	5/31/2037	17.41	35
YB23335	ND00061	Quartz	EEL #	23	Golden Predator Exploration Ltd. - 100%	5/31/2037	18.88	36
YB23319	ND00055	Quartz	EEL #	7	Golden Predator Exploration Ltd. - 100%	5/31/2037	20.11	37
YB23334	ND00060	Quartz	EEL #	22	Golden Predator Exploration Ltd. - 100%	5/31/2037	9.27	38
YB40260	ND00089	Quartz	Eel	289	Golden Predator Exploration Ltd. - 100%	5/31/2037	7.23	39

GRANT NUMBER	LEASE NUMBER	TYPE	CLAIM NAME	CLAIM NUMBER	LEASE OWNER	EXPIRY DATE	LEASE AREA Ha	Count
YB23316	ND00052	Quartz	EEL #	4	Golden Predator Exploration Ltd. - 100%	5/31/2037	19.37	40
YB40263	ND00092	Quartz	Eel	292	Golden Predator Exploration Ltd. - 100%	5/31/2037	3.04	41
YB17714	ND00100	Quartz	Lee	47	Golden Predator Exploration Ltd. - 100%	3/24/2039	19.74	42
YB17701	ND00033	Quartz	Lee	34	Golden Predator Exploration Ltd. - 100%	5/31/2037	20.17	43
YB17720	ND00046	Quartz	Lee	53	Golden Predator Exploration Ltd. - 100%	5/31/2037	18.75	44
YB17705	ND00036	Quartz	Lee	38	Golden Predator Exploration Ltd. - 100%	5/31/2037	20.38	45
YB23545	ND00069	Quartz	Ele	5	Golden Predator Exploration Ltd. - 100%	5/31/2037	19.83	46
YB17703	ND00035	Quartz	Lee	36	Golden Predator Exploration Ltd. - 100%	5/31/2037	16.7	47
YB23957	ND00099	Quartz	Flee	35	Golden Predator Exploration Ltd. - 100%	3/24/2039	8.13	48
YB04494	ND00022	Quartz	Lee	9	Golden Predator Exploration Ltd. - 100%	5/31/2037	19.37	49
YB23907	ND00105	Quartz	Eel	53	Golden Predator Exploration Ltd. - 100%	4/30/2040	13.3	50
YB52882	ND00095	Quartz	BDM	3	Golden Predator Exploration Ltd. - 100%	3/24/2039	0.4	51
YB23320	ND00056	Quartz	EEL #	8	Golden Predator Exploration Ltd. - 100%	5/31/2037	20.85	52
YB23337	ND00063	Quartz	EEL #	25	Golden Predator Exploration Ltd. - 100%	5/31/2037	20.26	53
YB17711	ND00039	Quartz	Lee	44	Golden Predator Exploration Ltd. - 100%	5/31/2037	14.98	54
YB40246	ND00108	Quartz	Eel	275	Golden Predator Exploration Ltd. - 100%	4/30/2040	13.78	55
YB23339	ND00065	Quartz	EEL #	27	Golden Predator Exploration Ltd. - 100%	5/31/2037	20.4	56
YB23548	ND00097	Quartz	Ele	8	Golden Predator Exploration Ltd. - 100%	5/31/2037	20.32	57
YB23317	ND00053	Quartz	EEL #	5	Golden Predator Exploration Ltd. - 100%	5/31/2037	19.71	58
YB17723	ND00049	Quartz	Lee	56	Golden Predator Exploration Ltd. - 100%	5/31/2037	10.56	59
YB40137	ND00086	Quartz	FLEE F	97	Golden Predator Exploration Ltd. - 100%	5/31/2037	1.57	60
YB04490	ND00020	Quartz	Lee	5	Golden Predator Exploration Ltd. - 100%	5/31/2037	19.1	61
YB17716	ND00042	Quartz	Lee	49	Golden Predator Exploration Ltd. - 100%	5/31/2037	18.49	62
YB23975	ND00081	Quartz	Flee	53	Golden Predator Exploration Ltd. - 100%	5/31/2037	19.9	63
YB23211	ND00103	Quartz	Lee	81	Golden Predator Exploration Ltd. - 100%	4/30/2040	20.11	64
YB23774	ND00075	Quartz	Ele	18	Golden Predator Exploration Ltd. - 100%	5/31/2037	3.66	65
YB04497	ND00024	Quartz	Lee	12	Golden Predator Exploration Ltd. - 100%	5/31/2037	18.53	66
YB38733	ND00083	Quartz	Lee	87	Golden Predator Exploration Ltd. - 100%	5/31/2037	2.51	67
YB23336	ND00062	Quartz	EEL #	24	Golden Predator Exploration Ltd. - 100%	5/31/2037	16.87	68
YB40251	ND00088	Quartz	Eel	280	Golden Predator Exploration Ltd. - 100%	5/31/2037	18.63	69
YB38732	ND00082	Quartz	Lee	86	Golden Predator Exploration Ltd. - 100%	5/31/2037	0.04	70
YB52881	ND00094	Quartz	BDM	2	Golden Predator Exploration Ltd. - 100%	3/24/2039	0.14	71
YB04492	ND00021	Quartz	Lee	7	Golden Predator Exploration Ltd. - 100%	5/31/2037	18.82	72
YB04496	ND00023	Quartz	Lee	11	Golden Predator Exploration Ltd. - 100%	5/31/2037	19.36	73
YB17717	ND00043	Quartz	Lee	50	Golden Predator Exploration Ltd. - 100%	5/31/2037	11.05	74
YB23911	ND00107	Quartz	Eel	57	Golden Predator Exploration Ltd. - 100%	4/30/2040	19.57	75
YB17721	ND00047	Quartz	Lee	54	Golden Predator Exploration Ltd. - 100%	5/31/2037	9.89	76
YB17722	ND00048	Quartz	Lee	55	Golden Predator Exploration Ltd. - 100%	5/31/2037	18.32	77

GRANT NUMBER	LEASE NUMBER	TYPE	CLAIM NAME	CLAIM NUMBER	LEASE OWNER	EXPIRY DATE	LEASE AREA Ha	Count
YB23773	ND00074	Quartz	Ele	17	Golden Predator Exploration Ltd. - 100%	5/31/2037	4.95	78
YB40269	ND00093	Quartz	Eel	298	Golden Predator Exploration Ltd. - 100%	5/31/2037	9.73	79
YB23338	ND00064	Quartz	EEL #	26	Golden Predator Exploration Ltd. - 100%	5/31/2037	20.65	80
YB23322	ND00058	Quartz	EEL #	10	Golden Predator Exploration Ltd. - 100%	5/31/2037	18.23	81
YB23960	ND00079	Quartz	Flee	38	Golden Predator Exploration Ltd. - 100%	5/31/2037	21.77	82
YB23342	ND00068	Quartz	EEL #	30	Golden Predator Exploration Ltd. - 100%	5/31/2037	20.9	83
YB39565	ND00084	Quartz	Eel	116	Golden Predator Exploration Ltd. - 100%	5/31/2037	1.64	84
YB04512	ND00029	Quartz	Lee	27	Golden Predator Exploration Ltd. - 100%	5/31/2037	13.04	85
YB23942	ND00098	Quartz	Flee	20	Golden Predator Exploration Ltd. - 100%	3/24/2039	8.71	86
YB04486	ND00018	Quartz	Lee	1	Golden Predator Exploration Ltd. - 100%	5/31/2037	17.62	87
YB04500	ND00027	Quartz	Lee	15	Golden Predator Exploration Ltd. - 100%	5/31/2037	19.42	88
YB23210	ND00102	Quartz	Lee	80	Golden Predator Exploration Ltd. - 100%	4/30/2040	20.19	89
YB23333	ND00059	Quartz	EEL #	21	Golden Predator Exploration Ltd. - 100%	5/31/2037	17.33	90
YB04499	ND00026	Quartz	Lee	14	Golden Predator Exploration Ltd. - 100%	5/31/2037	19.68	91
YB23341	ND00067	Quartz	EEL #	29	Golden Predator Exploration Ltd. - 100%	5/31/2037	20.9	92
YB17707	ND00037	Quartz	Lee	40	Golden Predator Exploration Ltd. - 100%	5/31/2037	20.47	93

Appendix B Drill Database

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
BC04-118	633889.661	7105700.428	836.8099976	202.68
BC04-119	633827.135	7105639.674	842.1699829	197.82
BC04-120	634394.119	7105672.96	755.2199707	38.43
BC04-121	634392.058	7105695.272	762.1599731	182.08
BC04-122	633399.112	7105054.258	740.8900146	148.74
BC06-123	633987.131	7105520.602	792.5	166.88
BC06-124	633177.692	7104362.855	804.5	117.2
BC06-125	633753.615	7104725.634	712.5	125.27
BC06-126	638683.463	7107127.05	862.5999756	99.19
BC06-127	638698.825	7107160.948	862.7000122	154.23
BC06-128	638800.452	7107169.847	866.2999878	156.67
BC06-129	636170.192	7102786.186	903.5	108.81
BC06-130	636628.859	7103157.691	1062.5	44.2
BC06-131	635973.053	7102900.433	932.5	199.03
BC09-132	633391.501	7105317.341	824.6680298	140.21
BC09-133	633391.501	7105317.341	824.6680298	249.94
BC09-134	633392.231	7105314.9	824.7810059	328.88
BC09-135	633440.786	7105334.754	828.8029785	265.5
BC09-136	633443	7105333	831	236.03
BC09-137	635446	7106940	1028	382.52
BC09-138	635446	7106940	1028	306.32
BC09-139	635446	7106940	1028	354.48
BC09-140	635446	7106940	1028	429.72
BC09-141	635446	7106940	1028	426.72
BC09-142	634045	7105515	775	113.39
BC09-143	634045	7105515	775	164.59
BC09-144	634045	7105515	775	231.95
BC09-145	635410	7106113	901	66.53
BC09-146	635572	7105887	805	57
BC09-147	635625	7105884	805	70.1
BC09-148	635625	7105884	805	78.94
BC09-149	635646	7105895	808	57.91
BC09-150	635731	7105867	811	56.39
BC09-151	635749	7105886	816	56.69
BC09-152	635749	7105886	816	68.58
BC09-153	635686	7105895	811	74.98
BC09-154	635686	7105895	811	91.44

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
BC09-155	635547	7105865	801	65.84
BC09-156	635547	7105865	801	70.1
BC09-157	635389	7105871	798	35.05
BC09-158	635389	7105871	798	117.35
BC09-159	635389	7105871	798	117.65
BC09-160	635444	7105882	803	118.87
BC09-161	635478	7105852	798	146.91
BC10-162	636239.226	7106407.494	1005.401978	321.56
BC10-163	636217.609	7106439.376	1025.46106	240.79
BC10-164	637285.765	7106993.52	942.9799805	249.94
BC10-165	637185.06	7106876.5	940.9500122	249.94
BC10-166	637454.846	7106858.903	860.5809937	182.27
BC10-167	638486.441	7107278.046	778.3029785	220.98
BC10-168	638709.3475	7107206.005	853.9780884	187.45
BC10-169	638640.377	7107221.1	832.5599976	163.07
BC10-170	638700.808	7107152.294	862.9450073	109.73
BC10-171	638702.156	7107152.901	863.0809937	114.3
BC10-172	638749.166	7107162.656	871.1719971	121.31
BC10-173	638748.8775	7107162.64	871.1784058	123.14
BC10-174	638800.1692	7107164.561	865.9656982	128.02
BC11-175	638765.434	7107200.805	859.164978	89.31
BC11-176	638765.7639	7107199.761	859.2505493	112.78
BC11-177	638766.8203	7107202.027	859.126709	91.44
BC11-178	638818.624	7107146.282	868.1690063	109.73
BC11-179	638776.676	7107148.272	873.5869751	111.56
BC11-180	638774.253	7107148.736	873.6680298	101.8
BC11-181	638713.914	7107128.21	870.8569946	100.89
BC11-182	638677.699	7107100.208	862.9959717	112.78
BC11-183	638729.0834	7107152.465	868.8568115	98.45
BC11-184	638741.8754	7107173.702	865.8233643	92.96
BC11-185	638681.7482	7107198.248	850.0180664	120.4
BC11-186	638653.727	7107185.329	845.3449707	74.68
BC11-187	638652.855	7107187.489	843.6854248	126.4
BC11-188	638651.872	7107146.7	846.0670166	118.87
BC11-189	638615.8568	7107179.741	829.7851563	73.15
BC11-190	638622.2083	7107156.783	835.1856079	115.82
BC11-191	638770.99	7107228.682	848.2999878	136.86
BC11-192	638771.124	7107228.043	848.3790283	91.44
BC11-193	638824.8246	7107230.974	840.5603638	82.3

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
BC11-194	638824.721	7107230.915	840.5700073	78.94
BC11-195	638765.661	7107199.835	859.1970215	102.41
BC11-196	639021.322	7107190.306	834.4959717	103.94
BC11-197	639022.07	7107190.636	834.6110229	89.92
BC11-198	639068.2252	7107187.143	848.2250366	92.05
BC11-199	639099.9185	7107173.492	851.8481445	71.63
BC11-200	639069.2876	7107182.312	848.1002808	117.35
BC11-201	639069.9431	7107181.938	848.1506348	85.34
BC11-202	639070.8775	7107181.446	848.1511841	96.32
BC11-203	639070.8775	7107181.446	848.1511841	61.87
BC11-204	639080.003	7107213.396	851.8670044	99.06
BC11-205	639098.018	7107176.306	851.6359863	107.59
BC11-206	639097.625	7107176.595	851.6740112	70.71
BC11-207	639148.4679	7107171.604	850.7483521	95.4
BC11-208	639148.4679	7107171.604	850.7483521	102.11
BC11-209	639370.581	7107176.539	799.0139771	76.2
BC11-210	639360.157	7107203.366	815.8460083	60.96
BC11-211	639326.794	7107201.005	825.5369873	95.4
BC11-212	639264.997	7107169.671	836.1170044	97.23
BC11-213	639267.681	7107215.737	846.9359741	79.25
BC11-214	641346.4887	7105738.959	812.0447388	143.26
BC11-215	639291.205	7107270.123	833.9089966	82.3
BC11-216	639301.392	7107249.339	836.9169922	80.77
BC11-217	641346.4372	7105739.037	812.1021118	135.64
BC11-218	639154.0431	7107201.402	855.5402222	92.05
BC11-219	641351.59	7105783.178	811.2719727	128.02
BC11-220	639154.374	7107201.233	855.9190063	79.25
BC11-221	639005.358	7107170.161	832.7130127	64.01
BC11-222	639100.114	7107172.775	851.8579712	62.48
BC11-223	641350.961	7105784.021	811.1359863	121.92
BC11-224	639005.299	7107169.929	832.7496338	56.39
BC11-225	639032.3488	7107216.761	833.8093262	82.3
BC11-226	641368.7387	7105815.779	811.9519653	219.46
BC11-227	639030.108	7107216.455	834.0570068	45.72
BC11-228	638911.5876	7107187.674	819.2055664	54.25
BC11-229	641368.9468	7105816.2	811.9614868	158.5
BC11-230	638877.3487	7107230.031	826.1862793	79.25
BC11-231	638877.3502	7107230.015	826.1690674	85.34
BC11-232	640025.059	7107272.839	813.2020264	62.48

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
BC11-233	641277.9687	7105708.565	830.083374	192.02
BC11-234	639955.419	7107450.336	813.5759888	114.3
BC11-235	641277.9697	7105708.568	830.0869141	100.58
BC11-236	638478.9979	7107247.5	783.800415	144.78
BC11-237	641243.1875	7105744.234	815.3869629	112.78
BC11-238	638318.202	7107287.294	764.7130127	153.86
BC11-239	641243.1768	7105744.214	815.3796997	220.98
BC11-240	639146.697	7107196.121	854.9535522	111.25
BC11-241	641243.1329	7105744.245	815.3825073	238.66
BC11-242	639202.791	7107221.71	855.2739868	98.76
BC11-243	639268.0243	7107215.891	846.4614868	74.37
BC11-244	639289.609	7107220.767	843.1149902	67.06
BC11-245	637462.923	7107269.277	870.7869873	175.8
BC11-246	641400.543	7105688.707	793.9050293	188.98
BC11-247	637284.483	7106996.514	943.0670166	300.23
BC11-248	641400.756	7105689.206	793.9550171	170.69
BC11-249	641398.793	7105689.628	793.7949829	175.26
BC11-250	636721.903	7106998.712	1086.453979	450.19
BC11-251	641398.8	7105690	793.7880249	158.5
BC11-252	641214.835	7105803.442	792.3859863	128.02
BC11-253	641214.984	7105802.89	792.4439697	92.96
BC11-254	641202.461	7105772.964	799.4260254	122.93
BC11-255	641244.8001	7105744.118	815.4317627	149.35
BC11-256	641320.8276	7105989.647	728.0344849	85.35
BC11-257	635126	7107149	983.6500244	80.77
BC11-258	635139.21	7106945.969	1019.034973	222.5
BC11-259	641439.067	7105679.035	779.5620117	131.98
BC11-260	641439.2746	7105679.002	779.4655151	150.88
BC11-261	641439.2711	7105679.011	779.4869995	129.54
BC11-262	635311	7107009	1051.896973	284.99
BC11-263	641497.038	7105687.897	762.9520264	82.3
BC11-264	641496.324	7105699.671	763.4799805	67.06
BC11-265	641474.442	7105650.21	765.539978	170.38
BC11-266	641474.5465	7105650.097	765.6452637	143.26
BC11-267	641474.5535	7105650.095	765.6384888	205.44
BC11-268	635446	7106940	1028	420.93
BC11-269	639146.697	7107196.121	854.9535522	132.59
BC11-270	639148.4679	7107171.604	850.7483521	88.36
BC11-271	639148.4679	7107171.602	850.7451172	131.06

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
BC11-272	639205.1996	7107201.152	850.2803955	93.57
BC11-273	639251.9996	7107224.249	850.4577026	123.44
BC11-274	639252.0055	7107224.422	850.4761963	131.06
BC11-275	639252.0012	7107224.55	850.4558105	103.02
BC11-276	639251.9871	7107224.654	850.4384766	93.27
BC11-277	639265.767	7107167.39	836.5230103	46.02
BC11-278	639265.798	7107168.021	836.367981	92.35
BC11-279	639290.203	7107221.515	842.6019897	160.02
BC11-280	639290.034	7107221.193	842.6489868	91.44
BC11-281	639290.042	7107221.643	842.5969849	80.77
BC11-282	639069.5797	7107294.456	827.1959229	71.63
BC11-283	639069.5797	7107294.456	827.1959229	4.57
BC11-284	639049.9432	7107291.024	818.420166	102.11
BC11-285	639049.9432	7107291.024	818.420166	39.62
BC11-286	639054.5694	7107244.476	836.2597656	100.58
BC11-287	639056.1664	7107229.747	840.1616821	100.28
BC11-288	639056.9327	7107210.643	843.8037109	99.02
BC11-289	639062.4026	7107188.422	846.7678223	98.15
BC11-290	638981.759	7107276.404	801.7269897	103.63
BC11-291	639005.127	7107195.99	827.9279785	98.15
BC11-292	639126.0074	7107225.684	859.0054932	103.63
BC11-293	639105.7049	7107220.419	857.9967041	97.81
BC11-294	639160.5495	7107209.598	855.5556641	100.58
BC11-295	639182.7435	7107218.6	855.520813	120.4
BC11-296	639221.4738	7107218.144	853.6298218	120.4
BC11-297	639280.4448	7107249.629	842.9501343	120.4
BC11-298	639211.6019	7107269.128	843.1079712	121.92
BC11-299	639187.0018	7107273.734	843.696228	181.36
BC11-300	635655.6441	7107318.019	1084.13623	200.51
BC11-301	639154.168	7107284.912	842.65448	137.16
BC11-302	635644.1797	7107305.618	1084.941406	150.88
BC11-303	639135.854	7107287.02	841.9990234	120.4
BC11-304	635621.0633	7107279.286	1089.487061	201.17
BC11-305	639111.9715	7107286.213	841.7653809	118.87
BC11-306	641414.3746	7105655.212	791.97052	221.28
BC11-307	635600.0504	7107264.369	1092.395752	201.17
BC11-308	641414.8448	7105655.255	791.9476929	249.94
BC11-309	641296.6654	7105756.957	819.4298096	176.78
BC11-310	635577.4485	7107254.559	1093.494629	201.17

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
BC11-311	641375.5342	7105733.947	806.0601196	249.94
BC11-312	635558.2292	7107244.611	1093.381714	201.17
BC11-313	641296.5582	7105756.985	819.4116821	200.86
BC11-314	641375.415	7105733.411	806.156189	246.89
BC11-315	635538.6541	7107230.654	1095.598267	205.74
BC11-316	641376.4623	7105733.124	806.0932007	199.64
BC11-317	641296.5198	7105757.075	819.4002075	186.64
BC11-318	635512.0659	7107216.647	1097.776733	201.17
BC11-319	641361.0409	7105760.001	809.8823242	201.17
BC11-320	641296.5198	7105757.075	819.4002075	248.41
BC11-321	641361.0409	7105760.001	809.8823242	163.24
BC11-322	635489.6868	7107194.459	1100.658936	200.96
BC11-323	641358.1587	7105755.539	809.7441406	254.51
BC11-324	635406.681	7107257.173	1050.393921	201.17
BC11-325	641319.055	7105643.019	833.6643066	256.03
BC11-326	635406.0878	7107256.107	1050.349121	115.82
BC11-327	641320.105	7105643.021	833.7059937	310.22
BC11-328	635407.3239	7107255.621	1050.366699	109.12
BC11-329	635407.8166	7107254.004	1050.321045	120.4
BC11-330	635468.9153	7107270.31	1057.687378	106.07
BC11-331	641284.904	7105790.245	808.5761719	246.89
BC11-332	641318.3789	7105643.525	833.8866577	205.74
BC11-333	635468.3174	7107269.796	1057.66748	100.58
BC11-334	635468.127	7107270.26	1057.618408	131.06
BC11-335	641268.4381	7105680.856	839.2002563	339.85
BC11-336	635468.9003	7107269.893	1057.670898	140.21
BC11-337	641284.8936	7105790.247	808.5708008	183
BC11-338	635491.471	7107275.911	1059.729126	101.19
BC11-339	635491.4857	7107276.213	1059.758911	100.58
BC11-340	641268.4381	7105680.856	839.2002563	286.51
BC11-341	641134.9327	7105754.728	803.0939331	220.98
BC11-342	635491.4208	7107276.811	1059.64917	100.58
BC11-343	641134.9327	7105754.728	803.0939331	207
BC11-344	641269.3	7105679.639	839.4180298	255.15
BC11-345	635489.506	7107271.135	1059.892944	124.97
BC11-346	639112.6539	7107238.899	856.0979004	121.92
BC11-347	632008.2488	7106062.423	793.9570923	164.42
BC11-348	641203.3124	7105651.561	859.2091064	213.36
BC11-349	641062.1168	7105748.864	809.1155396	185.62

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
BC11-350	639132.8933	7107245.48	854.4384155	182.88
BC11-351	640981.551	7105860.692	837.4500122	216.41
BC11-352	639154.071	7107246.714	854.2030029	124.97
BC11-353	641203.3334	7105651.578	859.2006836	243.84
BC11-354	639176.115	7107244.508	853.5230103	140.21
BC11-355	639207.553	7107244.109	851.4879761	131.06
BC11-356	641203.499	7105651.611	859.0750122	210.31
BC11-357	631930.0318	7105937.699	780.802002	77.72
BC11-358	631909.5855	7105936.725	778.8416138	90.22
BC11-359	640940.978	7105884.027	849.0440063	114.3
BC11-360	636167.0174	7102742.264	909.0241699	241.71
BC11-361	641297	7105651	837	245.36
BC11-362	640981.551	7105860.692	837.4500122	207.29
BC11-363	636094	7102739	925	249.94
BC11-364	639230.733	7107242.218	849.9329834	117.35
BC11-365	639444.112	7107267.08	770.2440186	192.33
BC11-366	636192.3278	7102688.998	899.4796143	263.04
BC11-367	635670.591	7102993.714	928.7296143	250.85
BC11-368	635753.6389	7103000.235	916.4793701	249.94
BC11-369	635990.331	7102902.465	928.3035889	249.94
BC11-370	639413.422	7107213.849	786.5709839	199.64
BC11-371	639400.199	7107195.461	792.132019	192.33
BC11-372	639340.194	7107154.592	810.4710083	199.64
BC11-373	635785.2526	7102796.153	952.6522217	320.04
BC11-374	639913.843	7106874.987	904.3339844	249.63
BC11-375	635886.8107	7102932.86	932.2796021	300.22
BC11-376	636156.3993	7102900.741	922.9182739	263.65
BC11-377	639913.843	7106874.987	904.3339844	201.17
BC11-378	639644.592	7107224.549	794.6799927	199.64
BC11-379	639961.104	7107368.151	820.6119995	246.89
BC11-380	636242.0531	7102819.903	902.1082153	251.16
BC11-381	639966.917	7107322.307	820.2869873	118.87
BC11-382	635982.043	7103028.415	920.1240234	213.87
BC11-383	636047.9547	7102944.18	932.6959839	262.13
BC12-384	632277.3691	7105194.352	825.789917	120.4
BC12-385	632234.6553	7105213.264	822.7147217	120.4
BC12-386	632119.606	7105129.952	822.9105225	121.92
BC12-387	632062.4376	7105173.712	822.4594116	116.74
BC12-388	631282.7077	7105803.51	777.4749756	109.73

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
BC12-389	631282.7077	7105803.51	777.4749756	117.35
BC12-390	631282.7077	7105803.51	777.4749756	112.78
BC12-391	631282.7077	7105803.51	777.4749756	115.82
BC12-392	631282.7077	7105803.51	777.4749756	109.73
BC12-393	631282.7077	7105803.51	777.4749756	114.3
BC12-394	631282.7077	7105803.51	777.4749756	118.87
BC12-395	631182.392	7105800.192	778.4500122	103.63
BC12-396	631182.392	7105800.192	778.4500122	97.54
BC12-397	631182.392	7105800.192	778.4500122	107.29
BC12-398	631182.392	7105800.192	778.4500122	97.54
BC12-399	631182.392	7105800.192	778.4500122	109.73
BC12-400	631182.392	7105800.192	778.4500122	96.01
BC12-401	631182.392	7105800.192	778.4500122	105.16
BC12-402	631182.392	7105800.192	778.4500122	108.2
BC12-403	631103.691	7105746.227	777.4569702	108.51
BC12-404	631103.691	7105746.227	777.4569702	102.11
BC12-405	631103.691	7105746.227	777.4569702	108.2
BC12-406	631103.691	7105746.227	777.4569702	107.59
BC12-407	631103.691	7105746.227	777.4569702	108.2
BC12-408	631103.691	7105746.227	777.4569702	110.95
BC12-409	630999.107	7105673.581	765.2999878	121.97
BC12-410	630999.107	7105673.581	765.2999878	112.78
BC12-411	630999.107	7105673.581	765.2999878	123.44
BC12-412	631056.68	7105725.77	774.1400146	120.4
BC12-413	631056.68	7105725.77	774.1400146	112.78
BC12-414	631056.68	7105725.77	774.1400146	105.16
BC12-415	631056.68	7105725.77	774.1400146	106.68
BC12-416	631279.699	7105878.365	772.1459961	71.63
BC12-417	638878.077	7107170.619	839.4299927	95.71
BC12-418	638885.369	7107202.751	826.8189697	105.77
BC12-419	638874.913	7107235.651	826.5770874	106.68
BC12-420	638921.97	7107177.322	819.1749878	126.49
BC12-421	638952.344	7107171.406	821.0609741	109.73
BC12-422	638964.056	7107194.953	816.2059937	100.58
BC12-423	638849.039	7107158.59	853.1870117	126.49
BC12-424	632306.477	7105156.7	827.8859863	100.58
BC12-425	632431.873	7105121.246	832.651001	109.73
BC12-426	632501.259	7105144.097	834.8980103	109.73
BC12-427	635316.515	7105841.798	791.5510254	59.74

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
BC12-428	635329.463	7105880.18	795.6359863	80.77
BC12-429	634738.313	7105750.573	817.0469971	160.02
BC12-430	630961.564	7105732.528	765.132019	54.7
BC12-431	630961.564	7105732.528	765.132019	81.38
BC12-432	630961.564	7105732.528	765.132019	75.29
BC12-433	630961.564	7105732.528	765.132019	81.38
BC12-434	631008.256	7105767.923	770.9379883	87.48
BC12-435	631008.256	7105767.923	770.9379883	81.38
BC12-436	631008.256	7105767.923	770.9379883	66.14
BC12-437	631008.256	7105767.923	770.9379883	81.38
BC12-438	631101.093	7105804.384	776.8430176	87.48
BC12-439	631101.093	7105804.384	776.8430176	71.63
BC12-440	631101.093	7105804.384	776.8430176	78.33
BC12-441	634810.879	7105733.234	792.2080078	144.78
BC12-442	633788.501	7105637.228	855.2860107	149.35
BC12-443	633628.379	7105574.946	873.4450073	135.03
BC12-444	633529.73	7105592.763	877.3380127	96.01
BC12-445	633398.964	7105569.597	870.3228149	87.48
BC12-446	633282.228	7105647.616	880.7139893	66.14
BC12-447	633171.134	7105723.2	894.3369751	79.25
BC12-448	632520.088	7105961.879	835.7789917	105.16
BC12-451	631101.09	7105804.38	776.8400269	72.24
BC12-452	631340.456	7105829.695	772.7940063	114.91
BC12-453	631340.456	7105829.695	772.7940063	70.1
BC12-454	633626.195	7105458.819	843.9580078	172.82
BC12-455	633726.955	7105550.052	852.0310059	151.49
BC12-456	633569.075	7105237.678	817.0841064	105.71
BC12-457	633710.555	7105454.323	838.2589722	139.29
BC12-458	634276.612	7105981.52	853.335022	151.49
BC12-459	634269.472	7106513.34	951.4619751	101.8
BC12-460	634208.961	7106468.609	960.4160156	122.53
BC12-461	634094.686	7106332.484	958.4429932	145.39
BC12-462	634245.063	7106499.076	954.5410156	133.2
BC12-463	634114.317	7106295.113	947.7360229	121.31
BC12-464	633970.313	7106219.705	945.1970215	91.44
BC12-465	633990.747	7106162.208	927.3140259	107.29
BC12-466	634008.903	7106319.526	961.5380249	101.9
BC12-467	634236.679	7106525.994	951.8809814	103.02
BC12-468	631340.456	7105829.695	772.7940063	114.3

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
BC12-469	631340.456	7105829.695	772.7940063	100.89
BC12-470	631340.456	7105829.695	772.7940063	101.19
BC12-471	631340.456	7105829.695	772.7940063	104.24
BC12-472	631379.513	7105861.35	761.257019	85.95
BC12-473	631379.523	7105861.352	761.1859741	81.08
BC12-474	631379.523	7105861.352	761.1859741	82.91
BC12-475	631379.523	7105861.352	761.1859741	85.65
BC12-476	631250.723	7105768.217	778.4310303	134.74
BC12-477	631216.024	7105760.939	778.7299805	143.87
BC12-478	631160.407	7105714.779	776.2030029	153
BC12-479	631160.407	7105714.779	776.2030029	153.01
BC12-480	631098.076	7105698.908	773.5819702	137.77
BC12-481	631098.076	7105698.908	773.5819702	137.77
BC12-482	631854.243	7105895.437	775.3129883	116.43
BC12-483	631854.243	7105895.437	775.3129883	119.79
BC12-484	631893.077	7105903.167	774.822998	107.29
BC12-485	631893.077	7105903.167	774.822998	116.43
BC12-486	631888.749	7105929.307	777.6729736	104.24
BC12-487	631888.749	7105929.307	777.6729736	101.19
BC12-488	631929.014	7105898.866	771.3049927	101.19
BC12-489	631929.014	7105898.866	771.3049927	107.29
BC12-490	631979	7105907	766	101.19
BC12-491	631979	7105907	766	101.19
BC12-492	631812.193	7105969.94	773.1270142	50.29
BC12-493	631817.771	7105993.014	773.3729858	25.3
BC12-494	631840.72	7105951.118	775.7139893	57
BC12-495	631968.49	7105933.829	771.9439697	80.16
BC12-496	632009.894	7105961.368	774.8309937	59.44
BC12-497	630982.366	7105779.142	766.492981	90.22
BC12-498	631030.396	7105789.287	771.8200073	66.14
BC12-499	631171.506	7105881.556	773.7979736	39.62
BC12-500	631182.249	7105861.402	776.0230103	62.48
BC12-501	631197.955	7105835.164	778.21698	89.61
BC12-502	635585.631	7105903.086	809.0419922	70.1
BC12-503	635478.566	7105940.849	820.8060303	64.01
BC12-504	635653.407	7105983.773	836.9530029	45.42
BC12-505	635547.212	7105983.307	837.0059814	44.2
BC12-506	639208.903	7107181.168	845.7709961	60.05
BC12-507	639085.047	7107192.274	851.6069946	75.79

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
BC12-508	638707.41	7107200.782	853.9299927	76.2
BC12-509	638623.968	7107187.178	830.7009888	41.45
BC12-510	634008.103	7106321.208	961.5430298	76.2
BC12-511	634116.864	7106400.314	964.4509888	19.81
BC12-512	634116.864	7106400.314	964.4509888	85.34
BC12-513	634209.71	7106466.93	960.3670044	96.01
BC12-514	635858.913	7102704.028	958.382019	322.17
BC12-515	635988.442	7102900.389	928.059021	146.91
BC12-516	636182.132	7102763.649	902.6690063	175.26
BC12-517	631000.898	7105757.614	769.7839966	101.19
BC12-518	630982.636	7105825.787	763.9500122	31.39
BC12-519	630919.704	7105671.159	756.1350098	108.81
BC12-520	631402.801	7105622.591	780.8859863	100.58
BC12-521	630989.895	7105868.022	759.1820068	100.68
BC12-522	631431.533	7105907.837	735.8569946	73.76
BC12-523	632097.998	7106127.092	806.1339722	100.58
BC12-524	632141.981	7105849.662	779.7249756	45.72
BC12-525	631684.027	7105859.008	739.1530151	71.63
BC12-526	633812.732	7106314.784	974.1090088	100.58
BC12-527	634186.897	7106350.094	951.1560059	100.58
BC12-528	634160.866	7106632.787	943.8569946	100.58
BC12-529	635406.534	7106115.505	902.7269897	150.8
BC12-530	630901.437	7105703.234	754.9509888	94.18
BC12-531	631307.639	7105871.863	769.6010132	121.01
BC12-532	631218.174	7105754.9	778.6190186	150.27
BC12-533	630984.105	7105810.045	764.9329834	110.34
BC12-534	635477.596	7105945.849	822.1229858	13.72
BC12-535	635478.512	7105945.072	822.0609741	13.72
BC12-536	635547.436	7105923.254	811.8790283	50.9
BC12-537	635369.615	7105900.696	805.8259888	85.95
BC12-538	635393.655	7105863.275	795.177002	101.58
BC12-539	631950.538	7105955.779	782.4210205	150.27
BC12-540	639134.245	7107339.446	820.1370239	77.72
BC12-541	638943.634	7106986.397	889.9169922	150.88
BC12-542	638621.989	7107344.969	798.9219971	49.38
BC12-543	631399.357	7105620.861	780.8599854	50.29
BC12-544	631731.37	7105826.644	754.5	137.16
BC12-545	631747.388	7105876.908	766.0869751	109.73
BC12-546	631805.457	7105864.571	772.1879883	140.21

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
BC12-547	631754.64	7105854.046	766.0449829	129.54
BC12-548	636786.201	7106972.754	1071.743042	149.35
BC12-549	639093.182	7107123.407	855.3900146	93.57
BC12-550	631869.121	7105932.52	776.9829712	102.11
BC12-551	634069.876	7106329.103	958.9749756	100.58
BC12-552	634204.239	7106469.685	960.809021	150.88
BC12-553	634081.345	7106491.362	971.8400269	120.4
BC12-554	639229.139	7107195.115	848.0029907	80.47
BC12-555	639296.632	7107167.941	828.9790039	82.3
BC12-556	638733.37	7107150.575	869.5999756	100.58
BC12-557	638698.292	7107222.552	850.5159912	100.58
BC12-558	639164.721	7107082.938	857.0869751	96.01
BC12-559	639088.92	7107065.979	873.0800171	138.68
BC12-560	637240.856	7102220.014	704.2440186	200.25
BC12-561	637240.673	7102219.322	704.3070068	34.14
BC12-562	637260.554	7102181.049	690.940979	250.54
BC12-563	637169.237	7102217.68	711.447998	352.65
BC12-564	637935.365	7101953.546	655.8339844	236.82
BC12-565	637919.064	7101916.173	641.3759766	227.68
BC12-566	637975.092	7101939.259	646.8109741	191.1
BC12-567	637868.243	7101914.798	639.3839722	218.54
BC12-568	637888.412	7101958.832	654.0469971	189.58
BC12-569	637821.188	7101925.053	631.6760254	227.69
BC12-570	638395.467	7105759.404	887.9500122	114.91
BC12-571	638072.041	7105762.631	979.4450073	122.53
BC12-572	634971.067	7103531.706	872.3939819	207.57
BC12-573	635048.154	7103579.124	842.7210083	133.5
BC12-574	637139.231	7102289.703	732.3129883	248.1
BC12-575	637308.789	7102165.637	684.1060181	207.26
BC12-576	637116.586	7102241.404	722.6329956	237.74
BC12-577	637417.941	7102155.388	680.6069946	246.89
BC12-578	637216.723	7102082.739	702.5280151	201.17
BC12-579	637527.511	7102115.344	670.0079956	253.59
BC12-580	637756.339	7101988.812	646.3289795	340.46
BC12-581	632545.989	7105139.444	835.7800293	52.43
BC12-582	632586.257	7105134.152	837.473999	49.99
BC16-583	636837.3	7105916.065	1053.703003	103.11
BC16-584	636832.797	7105918.558	1053.310059	93.88
BC16-585	630798.917	7105557.276	707.6129761	135.03

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
BC16-586	630480.837	7105404.917	669.6380005	53.34
BC16-587	630480.679	7105403.934	669.2709961	47.24
BC16-588	630654.1	7105505.085	688.3569946	67.06
BC16-589	630910.196	7105552.384	721.4240112	66
BC16-590	630908.628	7105551.81	721.4160156	143.26
BC16-591	630716.377	7105524.675	696.1729736	99
BC16-592	630740.833	7105685.158	738.9299927	99
BC16-593	630843.846	7105671.813	746.5430298	99
BC16-594	630906.983	7105644.795	751.8870239	150.88
BC16-595	632482.533	7105095.856	835.1300049	99
BC16-596	632577.817	7105027.082	834.8049927	99
BC18-597	639103	7107135	852	131
BC18-598	641569	7105600	729	100
BC18-599	641524	7105644	757	85
BC18-600	641632	7105571	703	88
BC18-601	641678	7105492	674	86
BC18-602	638859	7107152	867	74
BC18-603	637905	7107130	835	113
BC18-604	638207	7107253	788	50
BC18-605	637977	7102109	688	101
BCM18-01	634005	7106320	962	76.5
BCM18-02	635652	7105981	843	45
BCM18-03	636363	7106410	969	75
BCM18-04	636933	7106550	951	36
BCM18-05	638024	7107411	830	36
BCM18-06	638623	7107196	847	42
BCM18-07	638707	7107198	852	75
BCM18-08	639084	7107191	850	75
BCM18-09	641401	7105689	794	168
BCM18-10	636182	7102764	903	76.5
BCM18-11	638045	7102134	697	66
BCM18-12	631840	7105951	776	51
BCM18-13	630982	7105779	767	58.5
BCS-11-1	632735.254	7104403.626	844.9689941	14.02
BCS-11-2	632765.332	7104306.775	842.21698	19.81
BCS-11-3	632615.828	7104352.484	828.7420044	10.97
BCS-2-3	632684.65	7104359.679	837.789978	19.81
BCS-3-5	632608.6	7104439.213	831.8109741	20.73
BCS-4-2	632816	7104462	849	10.06

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
BCS-4-3	632762.953	7104480.202	849.3300171	17.98
BCS-4-5	632653.04	7104510.863	840.3200073	22.86
BCS-4-7	632533.858	7104545.49	828.5750122	21.95
BCS-5-2	632761.057	7104565.233	847.7969971	14.94
BCS-5-4	632610.326	7104604.832	828.9699707	13.72
BCS-5-5	632536.483	7104628.035	829.7360229	18.9
BCS-6-1	632829.117	7104635.542	850.6749878	10.06
BCS-6-2	632748.777	7104663.518	843.6339722	18.47
BCS-6-3	632670.192	7104685.506	833.8690186	10.06
BCS-6-5	632530.194	7104714.542	826.0339966	11.89
BCS-7-1	632807.691	7104735.153	846.3430176	4.88
BCS-7-3	632546.294	7104799.625	826.9819946	4.88
DD89-0001	634078.96	7106506.459	971.5	100.9
DD89-0002	634164.288	7106384.708	960.2999878	187.6
DD89-0003	635702.431	7106167.421	904.7000122	106.7
DD89-0004	635056.48	7105933.041	834	87.2
DD89-0005	634883.228	7105818.314	803.2999878	122.2
DD89-0006	635560.514	7106115.32	910.7999878	61.3
DD89-0007	635094.276	7105836.933	809.2000122	140.5
DD89-0008	635031.708	7105957.354	842.5	150.3
DD89-0009	634984.849	7106052.042	858.2999878	140.1
DD90-0010	634946.722	7106024.18	853.4000244	30.8
DD90-0011	635143.513	7105913.412	819.7000122	49.1
DD90-0012	635260.061	7105911.867	801.2000122	47.6
DD90-0013	635369.274	7106189.248	928.2000122	51.2
DD90-0014	635978.413	7106738.921	1052.599976	149.4
DD90-0015	636423.657	7107591.932	1145.800049	153.9
DD90-0016	636562.953	7107298.306	1094.5	154.2
DD90-0017	636423.252	7107298.205	1157.599976	127.4
DD90-0018	636235.201	7106550.496	1058.099976	60.4
DD90-0019	636159.183	7106550.71	1066.5	47.3
DD90-0020	636159.183	7106550.71	1066.5	26.8
DD90-0021	637068.172	7106764.611	967.2000122	40.2
DD90-0022	635492.646	7106190.046	941.2999878	22.9
DD90-0023	635395.002	7106143.426	911.7000122	37.2
DD90-0024	635203.184	7105793.659	782.7000122	43
DD90-0025	635208.279	7105768.046	779.2999878	48.3
DD91-0026	633955.019	7105599.236	806.5	61
DD91-0027	633953.903	7105601.02	806.5999756	29.6

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
DD91-0028	633970.93	7105579.473	799.2999878	63.4
DD91-0029	633969.95	7105581.219	799.2999878	51.8
DD91-0030	633981.591	7105553.544	793.2000122	56.1
DD91-0031	633980.807	7105554.94	793.2000122	50.3
DD91-0032	633917.424	7105554.908	811	39.6
DD91-0033	633925.972	7105531.925	807.2999878	56.4
DD91-0034	635553.583	7106182.388	941.0999756	27.4
DD91-0035	635554.563	7106180.642	941.0999756	34.8
DD91-0036	635561.548	7106161.258	932.4000244	36.6
DD91-0037	636119.533	7106400.389	1023.400024	25.9
DD91-0038	636120.268	7106399.08	1023.400024	26.2
DD91-0039	636135.586	7106375.883	1014.400024	32.9
DD91-0040	636136.321	7106374.574	1014.400024	39.6
DD91-0041	636430.7	7106481.029	1005.299988	40.2
DD91-0042	636457.037	7106664.86	1061.099976	25.9
DD91-0043	636475.812	7106628.563	1057	62.2
DD91-0044	636472.279	7106641.39	1057.400024	50.3
DD91-0045	636504.4	7106686.89	1048.699951	57.8
DD91-0046	636505.086	7106685.668	1048.699951	61
DD91-0047	636515.927	7106667.993	1048.5	59.5
DD91-0048	636523.245	7106650.059	1047.099976	68.3
DD91-0049	637204.834	7106627.392	917.5	31.1
DD91-0050	637217.275	7106604.416	930.9000244	67.4
DD91-0051	637229.767	7106586.865	939.2000122	76.2
DD91-0052	636929.257	7106682.046	963.9000244	37
DD91-0053	636939.941	7106666.693	958.9000244	44.8
DD91-0054	637064.759	7106784.165	973.4000244	36.7
DD91-0055	637056.897	7106798.577	979.4000244	41.8
DD91-0056	637047.107	7106815.81	985.9000244	38.7
DD91-0057	637938.066	7107423.655	870.2999878	56.4
DD91-0058	637948.324	7107402.322	869.9000244	77.4
DD91-0059	637958.647	7107379.647	869.7999878	80.8
DD95-0060	635074.978	7105961.353	837.9000244	42.2
DD95-0061	635137.588	7106015.034	843.2999878	44
DD95-0062	635173.386	7105967.409	829.2000122	50.3
DD95-0063	635168.325	7105858.807	805	50
DD95-0064	635223.353	7105812.461	787.0999756	44.2
DD95-0065	635206.368	7105773.287	779.5999756	47.5
DD95-0066	634014.909	7105587.315	788.4000244	57.3

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
DD95-0067	633968.245	7105578.538	800	57.4
DD95-0068	633978.291	7105602.098	800.7999878	48.5
DD95-0069	633933.704	7105565.322	809.2000122	63.7
DD95-0070	633899.215	7105579.58	817.7999878	51.5
DD95-0071	633813.822	7105516.651	829.7999878	47.3
DD95-0072	633952.982	7105647.582	812	21.3
DD95-0073	633999.19	7105667.585	800.2000122	20.7
DD95-0074	635123.75	7105928.599	825.4000244	49.1
DD95-0075	635195.843	7105988.874	831.2999878	39.9
DD95-0076	636081.053	7106424.001	1024	68.9
DD95-0077	636175.844	7106519.197	1061.5	57.7
DD95-0078	636231.949	7106551.998	1062.300049	47.7
DD95-0079	636622.793	7106672.258	1016	56.1
DD95-0080	636441.188	7106467.863	995.5999756	50.6
DD95-0081	635542.831	7106177.033	938	62.6
DD95-0082	635672.983	7106211.497	937.7000122	45.3
DD95-0083	635608.998	7106233.977	960.9000244	35.4
DD95-0084	635533.653	7106209.307	951.4000244	41.2
DD96-0085	635497.118	7106844.896	1008.200012	299
DD96-0086	635251.351	7107018.388	1046.300049	233.5
DD96-0087	635114.283	7105351.665	774.2999878	319.4
DD96-0088	636348.131	7107466.916	1157.199951	119.3
DD96-0089	636488.554	7107216.41	1149.099976	134.3
DD96-0090	636556.083	7106585.039	1037.900024	209
DD96-0091	636637.302	7106439.161	978	176.8
DD96-0092	636686.253	7106354.835	976	230.4
DD96-0093	636926.18	7106497.626	958.5999756	86.9
DD96-0094	636663.119	7106455.051	983	84.1
DD96-0095	636514.131	7106628.516	1050.699951	89.8
DD96-0096	636475.664	7106625.151	1055.199951	74.8
DD96-0097	636300.068	7106481.317	1018.700012	57.3
DD96-0098	637090.52	7106782.8	967.5	49.7
DD96-0099	636981.351	7106733.835	977.0999756	55.2
DD96-0100	637222.008	7107024.59	966.7000122	76.5
DD96-0101	637048.539	7106912.497	996.7000122	47.5
DD96-0102	633336.882	7105375.554	835.5	96
DD96-0103	635020.355	7105512.216	765.5999756	30.8
DD96-0104	634107.443	7105472.945	764.2999878	86.6
DD96-0105	631287.802	7105754.265	778.9000244	141.1

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
DD96-0106	635408.676	7105759.894	782.2000122	137.8
DD96-0107	635418.887	7105755.185	782.4000244	156.6
DD98-0108	636484.423	7106446.809	982	66.1
DD98-0109	636444.628	7106407.215	971.2000122	61.6
DD98-0110	634014.196	7105584.502	786.9000244	60
DD98-0111	633948.38	7105553.477	801.2000122	60
DD98-0112	633866.935	7105480.251	813.4000244	60
DD98-0113	633332.248	7105426.688	845	70
DD98-0114	633299.518	7105390.032	835.5	64
DD98-0115	634108.375	7106412.415	968.4000244	70
DD98-0116	634076.741	7106295.192	952.2999878	80
DD98-0117	634200.568	7106548.177	952.4000244	70
GT16-011	638040.314	7107286.681	832.3699951	109.73
MW16-001	636405.04	7106311.146	955.460022	99
MW16-002	636499.635	7106756.964	1035.619995	54.86
MW16-003	637122.793	7106520.682	947.0469971	99
MW16-004	636798.974	7106724.067	978.289978	99
MW16-006	637967.293	7107054.202	812.0999756	99
MW16-007	638190.012	7107139.801	809.7399902	99
MW16-008	637684.554	7107275.453	856.7999878	99
PQ90-1	636263.868	7106582.341	1062.800049	36.9
PQ90-2	636967.374	7106722.993	977	46
PQ90-3	636929.723	7106800.466	1004.599976	39.3
PQ90-4	635195.72	7105813.692	790.2000122	36.6
PQ90-5	634059.362	7106341.458	961.9000244	39.6
RC10-2311	636212.159	7106436.955	1025.404053	166.13
RC10-2312	636213.327	7106436.997	1025.42395	190.5
RC10-2313	636165.395	7106338.291	975.947998	176.78
RC10-2314	638187.258	7107145.703	809.7269897	172.21
RC10-2315	638186.8	7107146.544	809.7509766	135.64
RC10-2316	638186.237	7107147.343	809.7299805	115.82
RC10-2317	638146.772	7107116.629	812.4680176	140.21
RC10-2318	638146.384	7107117.313	812.4920044	120.4
RC10-2319	638722.651	7107169.137	866.7130127	152.4
RC10-2320	638679.1	7107139.953	857.2410278	140.21
RC10-2321	638759.406	7107094.79	889.2650146	152.4
RC10-2322	638710	7107211	835	152.4
RC10-2323	637985	7107440	825	137.16
RC10-2324	637241.01	7106925.4	938.9769897	190.5

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC10-2325	637314.095	7107059.691	946.3889771	160.02
RC10-2326	637510.574	7106881.088	851.3250122	48.77
RC11-2327	635980.892	7107318.568	1169.498047	150
RC11-2328	636219.501	7106853.397	1126.41394	180
RC11-2329	636080.667	7107015.994	1172.561035	188
RC11-2330	636026.163	7107045.053	1181.560059	180
RC11-2331	636026	7107214	1180	156
RC11-2332	635696.178	7107748.073	1136.689941	104
RC11-2333	635682.325	7107731.673	1141.859009	160
RC11-2334	635693.811	7107763.123	1136.555054	140
RC11-2335	635758	7107642	1180	126
RC11-2336	635757.274	7107199.59	1167.802002	102
RC11-2337	635693.144	7107151.872	1145.512939	114
RC11-2338	635658.677	7107194.933	1139.937988	108
RC11-2339	635418	7107101	1078	108
RC11-2340	635198.457	7106980.293	1037.432983	116
RC11-2341	635138.104	7106944.277	1018.859009	108
RC11-2342	635073	7107912	1004	290
RC11-2343	635901.41	7103037.473	900.6160278	300
RC11-2344	635612.5466	7103187.978	877.8320923	96
RC11-2345	635664.439	7102985.624	929.6079712	180
RC11-2346	635800.679	7102935.907	933.9680176	210
RC11-2347	635832.706	7102903.966	940.2440186	360
RC11-2348	636035.169	7102829.986	923.0100098	360
RC11-2349	635970.843	7102893.553	928.5819702	360
RC11-2350	635294.3184	7103367.763	897.5825195	96
RC11-2351	635303.709	7103365.638	897.7562256	360
RC11-2352	635355.994	7102726.106	959.28302	296
RC11-2353	635355.879	7102726.252	959.3209839	290
RC11-2354	636166.824	7102742.088	909.1380005	202
RC11-2355	635336.566	7107066.648	1063.026978	360
RC11-2356	635335.857	7107067.459	1062.484009	320
RC11-2357	635335.857	7107067.459	1062.484009	274
RC11-2358	635335.423	7107068.241	1062.490967	196
RC11-2359	635343.235	7107043.49	1062.81604	294
RC11-2360	635343.618	7107043.051	1062.895996	350
RC11-2361	635235.355	7107052.407	1044.019043	224
RC11-2362	635235.116	7107052.836	1043.990967	224
RC11-2363	635234.599	7107053.594	1043.865967	228

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC11-2364	635233.824	7107053.668	1043.302979	228
RC11-2365	635234.629	7107029.702	1044.083984	294
RC11-2366	635234.74	7107029.735	1044.061035	312
RC11-2367	635491.631	7107149.467	1107.232056	252
RC11-2368	635491.405	7107149.851	1107.123047	228
RC11-2369	635490.951	7107150.38	1107.152954	226
RC11-2370	635490.686	7107151.195	1107.208984	228
RC11-2371	635499.639	7107134.011	1106.94397	304
RC11-2372	635500.057	7107133.468	1106.956055	318
RC11-2373	635589.281	7107179.128	1126.394043	228
RC11-2374	635589.03	7107179.487	1126.557007	228
RC11-2375	635588.808	7107180.06	1126.474976	228
RC11-2376	635588.427	7107180.698	1126.432007	228
RC11-2377	635603.34	7107156.855	1126.873047	330
RC11-2378	635600.968	7107155.809	1126.384033	360
RC11-2379	635417.568	7107109.468	1079.338989	228
RC11-2380	635417.213	7107110.217	1079.18396	228
RC11-2381	635416.427	7107111.291	1078.978027	228
RC11-2382	635427.415	7107081.704	1078.411011	318
RC11-2383	635427.601	7107081.484	1078.733032	334
RC11-2384	635197.4999	7106981.451	1037.271729	228
RC11-2385	635198.1839	7106980.648	1037.359985	228
RC11-2386	635198.5161	7106980.197	1037.299316	228
RC11-2387	635199.072	7106971.924	1037.193237	318
RC11-2388	635199.2155	7106971.666	1037.207031	318
RC11-2389	635137.9321	7106945.073	1018.851746	228
RC11-2390	635138.2367	7106944.287	1018.789917	228
RC11-2391	635138.5272	7106943.706	1018.801025	228
RC11-2392	635138	7106944	1019	318
RC11-2393	635138	7106944	1019	318
RC11-2394	635597.2643	7107428.83	1054.913208	120.4
RC11-2395	635597.5267	7107428.745	1054.913086	112.78
RC11-2396	635597.6944	7107428.473	1054.914185	120.4
RC11-2397	635600.0641	7107424.475	1055.017212	120.4
RC11-2398	635600.2105	7107424.375	1055.034424	102.11
RC11-2399	635600.4985	7107423.967	1055.049927	115.82
RC11-2400	635642.1613	7107371.648	1070.592773	92.96
RC11-2401	635642.0666	7107371.823	1070.586914	92.96
RC11-2402	635640.0038	7107373.597	1070.356323	100.58

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC11-2403	635639.9101	7107373.529	1070.365479	100.58
RC11-2404	635639.5447	7107373.861	1070.297119	100.58
RC11-2405	635639.0389	7107374.345	1070.229492	100.58
RC11-2406	635624.7432	7107352.84	1063.181763	97.54
RC11-2407	635624.7607	7107352.852	1063.183716	100.58
RC11-2408	635624.7554	7107352.849	1063.178955	100.58
RC11-2409	635625.5772	7107351.536	1063.210938	100.58
RC11-2410	635625.5822	7107351.533	1063.219971	120.4
RC11-2411	635625.5805	7107351.531	1063.20752	124.97
RC11-2412	635613.9355	7107332.74	1063.389648	100.58
RC11-2413	635613.927	7107332.746	1063.400024	100.58
RC11-2414	635614.7231	7107331.129	1063.436523	100.58
RC11-2415	635615.0293	7107329.919	1063.413208	124.97
RC11-2416	635574.477	7107309.133	1062.814819	100.58
RC11-2417	635574.0796	7107305.701	1062.793457	100.58
RC11-2418	635574.0926	7107305.707	1062.762451	100.58
RC11-2419	635574.0909	7107305.712	1062.762817	124.97
RC11-2420	635520.6878	7107285.908	1059.572998	100.58
RC11-2421	635520.1798	7107285.776	1059.608643	100.58
RC11-2422	635520.7937	7107284.924	1059.633423	100.58
RC11-2423	635523.3616	7107282.92	1059.769775	124.97
RC11-2424	635592.7855	7107316.387	1063.071777	100.6
RC11-2425	635592.8059	7107316.029	1062.992554	100.58
RC11-2426	635594.4761	7107311.865	1062.984985	100.58
RC11-2427	635594.4646	7107311.882	1063.005005	124.97
RC11-2428	632058.7581	7105995.498	783.1245728	199.64
RC11-2429	632081.1879	7105946.053	783.4478149	199.12
RC11-2430	632111.1295	7105903.149	781.9326782	199.12
RC11-2431	632139.5495	7105864.39	780.4721069	199.12
RC11-2432	631960.2839	7105895.817	764.2316284	99.06
RC11-2433	631948.3635	7105914.447	772.0324707	89.92
RC11-2434	631767.4718	7105871.859	769.8629761	120.4
RC11-2435	631816.0181	7105890.049	773.8471069	120.4
RC11-2436	631853.147	7105894.896	775.4313965	160.02
RC11-2437	631476.902	7105804.449	740.6640015	160.02
RC11-2438	631476.902	7105804.449	740.6640015	160.02
RC11-2439	631476.902	7105804.449	740.6640015	140.21
RC11-2440	631461.556	7105841.706	734.9370117	120.4
RC11-2441	631442.301	7105893.819	736.882019	79.25

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC11-2442	631439.377	7105896.651	736.8369751	60.96
RC11-2443	631390.747	7105814.171	766.4990234	149.35
RC11-2444	631390.747	7105814.171	766.4990234	129.54
RC11-2445	631431.961	7105752.238	768.2849731	179.83
RC11-2446	630869.0907	7105714.566	752.2515869	100.58
RC11-2447	630901.3955	7105646.628	751.861084	150.88
RC11-2448	630901.3955	7105646.628	751.861084	129.54
RC11-2449	630936.5963	7105697.657	759.9572144	120.4
RC11-2450	630936.5963	7105697.657	759.9572144	89.92
RC11-2451	630993.5804	7105687.056	766.1810913	120.4
RC11-2452	631016.1678	7105700.369	768.5980225	120.4
RC11-2453	631044.8019	7105721.243	772.8676147	120.4
RC11-2454	631247.4	7105792.418	778.3330078	120.4
RC11-2455	631227.101	7105816.156	778.5819702	120.4
RC11-2456	631275.644	7105834.525	774.8469849	120.4
RC11-2457	631296.934	7105845.49	773.8369751	120.4
RC11-2458	631340.834	7105762.246	776	160.02
RC11-2459	631340.834	7105762.246	776	181.36
RC11-2460	631340.834	7105762.246	776	143.26
RC11-2461	630965.9436	7105552.568	730.5675049	201.17
RC12-2462	633608.871	7105667.775	886.0720215	135.64
RC12-2463	633702.429	7105634.007	865.9569702	140.21
RC12-2464	633410.381	7105562.988	870.8179932	140.21
RC12-2465	635430.499	7105937.453	819.5040283	51.82
RC12-2466	635478.842	7105937.176	820.5369873	70.1
RC12-2467	635451.3	7105981.296	828.7020264	45.72
RC12-2468	635486.727	7105978.731	829.065979	53.34
RC12-2469	635550.599	7105983.539	836.9860229	54.86
RC12-2470	635601.436	7105986.302	837.0100098	51.82
RC12-2471	635655.261	7105981.291	836.6929932	44.2
RC12-2472	635677.193	7105929.407	816.1069946	50.29
RC12-2473	635631.129	7105928.028	813.7260132	76.2
RC12-2474	635587.083	7105906.467	809.1810303	67.06
RC12-2475	635528.744	7105932.663	811.6279907	71.63
RC12-2476	635404.845	7105818.115	788.1599731	30.48
RC12-2477	635380.824	7105842.73	792.6040039	24.38
RC12-2478	631180.526	7105858.538	776.1309814	60.96
RC12-2479	631195.211	7105836.502	777.9810181	91.44
RC12-2480	631171.502	7105885.234	773.5499878	30.48

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC12-2481	630981.099	7105781.176	766.2680054	91.44
RC12-2482	631029.672	7105792.185	771.8209839	70.1
RC12-2483	631966.001	7105935.047	771.8779907	80.77
RC12-2484	632007.024	7105962.56	774.7189941	60.96
RC12-2485	631838.296	7105955.345	775.6950073	65.53
RC12-2486	631817.234	7105990.257	773.2420044	24.38
RC12-2487	631811.999	7105969.059	773.21698	50.29
RC12-2488	631786.287	7105954.132	769.5499878	60.96
RC12-2489	631688.568	7105943.889	748.6400146	60.96
RC12-2490	631723.508	7105942.737	758.6560059	48.77
RC12-2491	631761.44	7105943.655	766.8629761	67.06
RC12-2492	631845.221	7105997.581	776.3930054	39.62
RC12-2493	631866.292	7106011.951	778.5549927	35.05
RC12-2494	634111.301	7106400.888	964.4790039	74.68
RC12-2495	638704.874	7107196.962	853.8699951	76.2
RC12-2496	638619.838	7107185.034	830.5910034	39.62
RC12-2497	639083.213	7107190.096	851.5460205	76.2
RC12-2498	639205.856	7107182.32	845.7919922	60.96
RC12-2499	635991.44	7102895.527	928.1879883	140.21
RC12-2500	636181.803	7102759.553	902.7540283	172.21
RC12-2501	636103.087	7102626.085	925.7860107	201.17
RC12-2502	636207.986	7102596.586	909.4359741	201.17
RC12-2503	636032.225	7102686.731	933.8259888	201.17
RC12-2504	635482.508	7103079.234	931.7440186	201.17
RC12-2505	635546.649	7103035.935	933.5390015	201.17
RC12-2506	635721.719	7102950.359	931.8530273	201.17
RC12-2507	635535.839	7102903.514	951.7930298	24.38
RC12-2508	635517.343	7102830.704	957.9920044	201.17
RC12-2509	635604.965	7102708.49	948.6950073	192.02
RC12-2510	636696.075	7106862.827	1066.161011	121.92
RC12-2511	636712.194	7106919.086	1071.412964	121.92
RC12-2512	636745.693	7106979.157	1076.807007	121.92
RC12-2513	635711.86	7102819.738	950.8339844	300.23
RC12-2514	635714.396	7102735.321	953.1019897	295.66
RC12-2515	638558.083	7102135.057	730.5579834	199.64
RC12-2516	638208.187	7102111.699	673.4619751	179.83
RC12-2517	638209.384	7102115.188	673.5250244	201.17
RC12-2518	638049.431	7101842.01	659.9660034	201.17
RC12-2519	638051.062	7101841.498	660.1900024	260.6

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC12-2520	638045.668	7102134.678	697.1199951	274.32
RC12-2521	637868.334	7101913.585	639.526001	74.68
RC12-2522	637546.443	7102099.986	668.1229858	201.17
RC12-2523	637214.093	7102199.575	701.1220093	187.45
RC12-2524	635996.585	7102162.498	809.1749878	202.69
RC12-2525	636193.46	7102215.566	811.8560181	208.79
RC12-2526	636650.186	7102374.922	809.6900024	201.17
RC12-2527	638139.208	7102213.519	680.742981	201.17
RC12-2528	637948.543	7101968.843	662.3380127	201.17
RC12-2529	637593.106	7102071.458	663.1950073	100.58
RC12-2530	635821.763	7102898.245	939.7700195	201.17
RC12-2531	635920.33	7102814.444	937.7329712	201.17
RC12-2532	639713.865	7106764.804	907.0770264	102.11
RC12-2533	639890.584	7106800.862	917.6489868	117.35
RC12-2534	640192.293	7106760.006	966.8099976	144.78
RC12-2535	639993.658	7106790.12	963.1370239	147.83
RC12-2536	639851.266	7106713.552	962.3189697	152.4
RC12-2537	639113.997	7107144.284	853.7700195	108.2
RC12-2538	639033.676	7107132.315	846.6350098	91.44
RC12-2539	639195.715	7107157.696	844.5100098	91.44
RC12-2540	635706.52	7106739.477	1123.541992	96.01
RC89-0001	634037.477	7106278.747	951.5999756	150
RC89-0002	634239.478	7106572.805	944.5999756	102
RC89-0003	634374.017	7106581.487	942.7000122	150
RC89-0004	634556.769	7106718.09	966.9000244	150
RC89-0005	635057.96	7105969.814	840.9000244	150
RC89-0006	635232.983	7106002.976	837	132
RC89-0007	635364.134	7106152.255	914.0999756	106
RC89-0008	635654.169	7106232.958	950.2999878	144
RC89-0009	636227.316	7106325.02	979.7999878	110
RC89-0010	636183.119	7106415.578	1027.300049	118
RC89-0011	636139.494	7106498.994	1053.099976	110
RC89-0012	636131.207	7106606.866	1079.199951	48
RC89-0013	634852.514	7105977.769	841	150
RC89-0014	634286.721	7105851.374	811.0999756	84
RC90-0015	634902.98	7106040.011	851.0999756	28
RC90-0016	634936.513	7106043.589	854.5	30
RC90-0017	634946.477	7106022.779	853.2000122	30
RC90-0018	634955.657	7106003.366	851.2000122	30

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC90-0019	635052.958	7105906.029	827.9000244	30
RC90-0020	635012.399	7105982.556	846	30
RC90-0021	635186.73	7105830.112	797.0999756	34
RC90-0022	635175.398	7105848.66	803.4000244	48
RC90-0023	635164.372	7105870.135	809.5999756	36
RC90-0024	635152.311	7105890.799	816	36
RC90-0025	635142.718	7105913.195	819.7000122	30
RC90-0026	635132.171	7105934.021	825.5	38
RC90-0027	635119.658	7105955.694	831.4000244	40
RC90-0028	635108.872	7105977.764	836.9000244	32
RC90-0029	635096.909	7106001.928	842.5999756	32
RC90-0030	635088.868	7106020.947	847.2999878	34
RC90-0031	635313.985	7105827.466	792.5999756	28
RC90-0032	635290.321	7105872.266	796	16
RC90-0033	635260.061	7105911.867	801.2000122	12
RC90-0034	635239.698	7105955.078	817.0999756	32
RC90-0035	635219.884	7105997.106	834.2999878	32
RC90-0036	635379.586	7106168.635	922	30
RC90-0037	635350.896	7106175.014	924.7000122	30
RC90-0038	635343.317	7106192.8	924.5	30
RC90-0039	635369.453	7106188.316	928.2000122	30
RC90-0040	635360.78	7106212.951	934.9000244	30
RC90-0041	635326.777	7106232.878	933.2000122	30
RC90-0042	635308.459	7106218.333	927.5999756	30
RC90-0043	635336.702	7106206.421	928.7999878	30
RC90-0044	635284.364	7106205.707	919.4000244	30
RC90-0045	635316.948	7106197.498	923.7999878	30
RC90-0046	635325.85	7106175.518	919.2000122	30
RC90-0047	635628.257	7106197.838	946.2999878	30
RC90-0048	635619.775	7106221.318	956.2000122	30
RC90-0049	635631.348	7106270.539	964.5999756	30
RC90-0050	636215.135	7106584.803	1070.800049	50
RC90-0051	636226.772	7106565.508	1065.300049	50
RC90-0052	636236.262	7106547.992	1058.199951	30
RC90-0053	636142.119	7106590.494	1075.400024	50
RC90-0054	636150.912	7106568.912	1073.099976	50
RC90-0055	636161.214	7106550.359	1066.400024	50
RC90-0056	636170.383	7106527.495	1060.099976	50
RC90-0057	636113.968	7106543.436	1062.300049	50

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC90-0058	636104.477	7106562.79	1063.300049	50
RC90-0059	636125.506	7106522.478	1058.5	50
RC90-0060	636277.715	7106565.437	1054.599976	50
RC90-0061	636263.868	7106582.341	1062.800049	50
RC90-0062	636254.949	7106605.576	1071.800049	50
RC90-0063	636084.843	7106508.118	1044.199951	50
RC90-0064	636096.332	7106489.085	1044.199951	50
RC90-0065	636072.412	7106444.291	1025.099976	50
RC90-0066	636082.976	7106424.048	1024.300049	50
RC90-0067	636091.611	7106404.789	1021.799988	50
RC90-0068	636104.424	7106385.236	1017.5	50
RC90-0069	636989.64	7106927.961	1015.700012	58
RC90-0070	636995.766	7106911.538	1012.099976	62
RC90-0071	637005.926	7106894.055	1006.900024	64
RC90-0072	637014.807	7106874.359	1002.900024	64
RC90-0073	637045.941	7106815.844	986.7999878	52
RC90-0074	637056.347	7106797.924	979.7000122	52
RC90-0075	637064.024	7106783.637	973.5999756	50
RC90-0076	637072.84	7106767.12	966.5	50
RC90-0077	636904.948	7106842.345	1018.200012	50
RC90-0078	636919.171	7106824.16	1011.599976	50
RC90-0079	636929.723	7106800.466	1004.599976	50
RC90-0080	636935.074	7106781.542	998.5999756	50
RC90-0081	636943.503	7106761.017	991.7999878	50
RC90-0082	636955.047	7106742.703	984.5999756	50
RC90-0083	636967.374	7106722.993	977	50
RC90-0084	636977.818	7106707.047	970.2999878	50
RC90-0085	633968.573	7106290.999	959.9000244	50
RC90-0086	634059.362	7106341.458	961.9000244	50
RC90-0087	634089.19	7106428.615	971.5	50
RC90-0088	634115.335	7106458.009	970.2999878	50
RC90-0089	634147.117	7106488.391	966.5	50
RC90-0090	634172.364	7106522.448	961	50
RC90-0091	634930.998	7105825.531	809.2000122	40
RC90-0092	634941.381	7105802.546	803.2000122	40
RC90-0093	634954.716	7105781.45	797.9000244	40
RC90-0094	634992.172	7105801.93	803	40
RC90-0095	635006.863	7105781.482	797.5	40
RC90-0096	635017.89	7105760.006	791.4000244	40

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC90-0097	634907.66	7105816.661	806.0999756	40
RC90-0098	634976.833	7105964.631	845.4000244	40
RC90-0099	634965.224	7105986.123	848.5	40
RC90-0100	634899.934	7105977.44	846.7999878	40
RC90-0101	634889.561	7105998.365	847.5	40
RC90-0102	634880.954	7106021.659	847.2999878	40
RC90-0103	635081.964	7106041.41	851	50
RC90-0104	635195.72	7105813.692	790.2000122	50
RC90-0105	635202.563	7105793.54	782.5	34
RC90-0106	635343.35	7106242.769	939.2999878	30
RC90-0107	635395.568	7106142.825	911.7999878	44
RC90-0108	635414.894	7106212.136	941.5999756	50
RC90-0109	635427.232	7106188.527	934.4000244	50
RC90-0110	635452.086	7106165.294	925.7000122	50
RC90-0111	635457.295	7106143.764	917.7999878	50
RC90-0112	635507.429	7106159.429	929.0999756	50
RC90-0113	635520.236	7106139.07	919.7999878	50
RC90-0114	635402.61	7106236.464	946.9000244	50
RC90-0115	635481.631	7106207.623	948.7999878	50
RC90-0116	635491.404	7106189.807	941.2999878	40
RC90-0117	636183.533	7106506.524	1052.400024	60
RC90-0118	636196.519	7106483.395	1045.400024	62
RC90-0119	636205.836	7106463.944	1038.599976	64
RC90-0120	636218.098	7106443.738	1031.199951	60
RC90-0121	636110.805	7106462.083	1040.5	62
RC90-0122	636123.001	7106435.868	1035.800049	76
RC90-0123	636137.355	7106413.163	1030.400024	64
RC90-0124	636061.332	7106465.047	1022.299988	40
RC90-0125	636051.994	7106483.108	1023.200012	54
RC90-0126	636123.639	7106344.479	1006	70
RC90-0127	636115.945	7106361.857	1010.900024	70
RC90-0128	636002.289	7106461.369	1002.299988	46
RC90-0129	636022.966	7106443.94	1002.400024	44
RC90-0130	636032.25	7106423.323	1001	50
RC90-0131	636042.715	7106401.417	1003.400024	50
RC90-0132	636050.315	7106379.508	1003.700012	50
RC90-0133	636064.358	7106358.581	1003.799988	52
RC90-0134	636304.858	7106606.531	1067.900024	46
RC90-0135	636315.401	7106592.248	1062.199951	50

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC90-0136	636362.658	7106597.109	1058.199951	50
RC90-0137	636372.867	7106577.701	1052.300049	52
RC90-0138	636418.04	7106499.289	1014	50
RC90-0139	636431.599	7106483.716	1006.099976	50
RC90-0140	636456.166	7106664.37	1061.300049	52
RC90-0141	636471.364	7106641.794	1057.400024	52
RC90-0142	636478.213	7106627.961	1056.5	50
RC90-0143	637214.777	7107078.513	971.9000244	50
RC90-0144	637201.746	7107100.699	969.7000122	50
RC90-0145	637223.341	7107059.787	972	50
RC90-0146	637086.66	7106746.181	956.4000244	48
RC90-0147	637097.147	7106727.503	946.5999756	58
RC90-0148	637071.331	7106859.856	985.0999756	50
RC90-0149	637086.083	7106844.609	979.0999756	50
RC90-0150	637096.804	7106823.881	972.7000122	52
RC90-0151	637110.591	7106798.101	964.7999878	50
RC90-0152	637122.771	7106774.978	956.2000122	50
RC90-0153	637127.768	7106753.214	946.4000244	50
RC90-0154	636872.059	7106802.5	1002.799988	50
RC90-0155	636881.364	7106779.597	992.7000122	28
RC90-0156	636888.501	7106753.41	983.5999756	50
RC90-0157	636900.834	7106730.831	977.2999878	50
RC90-0158	636913.455	7106705.085	973	50
RC90-0159	636927.057	7106683.106	964.7999878	50
RC90-0160	636938.269	7106665.179	959.2000122	50
RC90-0161	637030.402	7106851.892	996.5999756	52
RC90-0162	637041.216	7106931.461	1004.099976	50
RC90-0163	637052.504	7106908.295	996.0999756	40
RC90-0164	637058.889	7106884.67	989.9000244	50
RC90-0165	637136.261	7107054.588	993.5999756	48
RC90-0166	637143.769	7107031.823	991.2000122	50
RC90-0167	637147.9	7107006.701	983.0999756	50
RC90-0168	637165.837	7106982.106	971.7999878	52
RC90-0169	637167.343	7106959.413	964.4000244	50
RC90-0170	637274.905	7107054.324	952.5	58
RC90-0171	637264.821	7107075.755	957.5	58
RC90-0172	637255.505	7107093.369	958	50
RC90-0173	637243.319	7107112.011	952.2000122	40
RC90-0174	632572.314	7105105.156	836.7999878	50

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC90-0175	632548.922	7105148.043	835.2999878	50
RC90-0176	632537.559	7105170.937	833.9000244	50
RC90-0177	632527.922	7105192.389	832.9000244	50
RC90-0178	633123.748	7105352.891	818	50
RC90-0179	637310.28	7106600.085	931.4000244	46
RC90-0180	637280.374	7106638.851	927.2999878	50
RC90-0181	637296.394	7106620.528	931.5999756	50
RC90-0182	635024.332	7106039.099	854.5999756	40
RC90-0183	635036.06	7106013.31	849.5	40
RC90-0184	635065.04	7105969.66	840.7000122	40
RC90-0185	635078.211	7105942.731	833.2999878	40
RC90-0186	635088.557	7105923.284	828.0999756	40
RC90-0187	635104.332	7105903.56	821.5	40
RC90-0188	635115.483	7105882.269	817	40
RC90-0189	635129.282	7105861.778	812	40
RC90-0190	635143.292	7105839.683	805.2999878	40
RC90-0191	635152.858	7105818.765	799.7000122	40
RC90-0192	635166.956	7105798.557	791.4000244	40
RC90-0193	635180.7	7105775.509	782.7999878	40
RC90-0194	633146.133	7105309.553	811.5	50
RC90-0195	635109.987	7106062.56	855.7000122	50
RC90-0196	635123.317	7106044.331	851.7000122	40
RC90-0197	635135.225	7106019.447	844.9000244	34
RC90-0198	635143.594	7105997.397	837.9000244	34
RC90-0199	635156.101	7105976.754	832.5	30
RC90-0200	635162.52	7105957.971	827.2999878	30
RC90-0201	635178.812	7105934.058	819.9000244	34
RC90-0202	635190.405	7105911.983	813	40
RC90-0203	635202.895	7105888.919	807.2000122	50
RC90-0204	635211.602	7105869.125	800.9000244	50
RC90-0205	635218.739	7105844.774	793.9000244	50
RC90-0206	635205.455	7106026.888	845.5999756	52
RC90-0207	635263.979	7106021.892	848.7999878	60
RC90-0208	635275.092	7105994.954	836.5999756	46
RC90-0209	635286.679	7105973.908	826.5999756	34
RC90-0210	637938.055	7107427.553	868	58
RC90-0211	637946.821	7107403.773	871.7000122	76
RC90-0212	637958.904	7107382.662	870.0999756	76
RC90-0213	637972.307	7107337.146	866.7000122	56

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC90-0214	637872.898	7107344.307	893.5	58
RC90-0215	637861.868	7107372.325	896.4000244	40
RC90-0216	635252.784	7106040.402	857.2000122	58
RC90-0217	634237.24	7106571.891	944.9000244	62
RC90-0218	634172.565	7106519.231	959.2000122	28
RC90-0219	634205.387	7106498.754	960.5999756	76
RC90-0220	634146.779	7106487.971	966.5	50
RC90-0221	634169.488	7106470.192	965.9000244	68
RC90-0222	634138.921	7106441.527	967.5	52
RC90-0223	634108.152	7106410.567	970.5	62
RC90-0224	634113.783	7106457.711	969.7999878	32
RC90-0225	634086.821	7106428.546	972.2999878	30
RC90-0226	634040.276	7106276.417	951.5	42
RC90-0227	634080.774	7106324.558	956.7999878	76
RC90-0228	634074.485	7106383.949	967.5999756	62
RC90-0229	634090.637	7106370.292	967.2000122	64
RC90-0230	634007.25	7106314.002	961.7999878	64
RC90-0231	633927.463	7106269.268	959.0999756	76
RC90-0232	634057.657	7106342.452	962	52
RC90-0233	633965.812	7106291.628	960.0999756	52
RC90-0234	633947.743	7106251.731	953.7999878	52
RC90-0235	633990.677	7106273.683	955.5	52
RC90-0236	633904.847	7106286.065	964	60
RC90-0237	634161.315	7105971.609	863.9000244	46
RC90-0238	634174.133	7105947.351	856.7999878	50
RC90-0239	634183.427	7105928.347	849.5999756	58
RC90-0240	634217.759	7105967.052	853.2000122	52
RC90-0241	634230.016	7105946.039	845.2000122	40
RC90-0242	634152.475	7105867.084	836.5999756	40
RC90-0243	634196.795	7105906.581	837.7000122	50
RC90-0244	634138.519	7105889.898	843.5	46
RC90-0245	634115.298	7105908.997	846.2999878	40
RC90-0246	634164.17	7105841.966	830.9000244	40
RC90-0247	633918.121	7105555.3	811.2999878	40
RC90-0248	633927.056	7105532.649	808.4000244	40
RC90-0249	635010.546	7106064.879	859.5999756	40
RC90-0250	635069.397	7106067.876	857.5	40
RC90-0251	633908.986	7105583.005	815.2000122	40
RC90-0252	635406.648	7106122.069	904.7999878	52

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC90-0253	635463.855	7106122.075	908.2999878	48
RC90-0254	635521.895	7106116.922	909.2000122	40
RC90-0255	636118.21	7106399.071	1024.400024	52
RC90-0256	636084.227	7106463.679	1033.900024	60
RC90-0257	636094.448	7106445.884	1034.599976	58
RC90-0258	636106.753	7106419.271	1029.300049	50
RC90-0259	636070.909	7106490.87	1033.699951	58
RC90-0260	635980.945	7106410.559	978.2999878	52
RC90-0261	635991.802	7106386.118	978.0999756	58
RC90-0262	636003.944	7106364.696	982.4000244	58
RC90-0263	636016.032	7106340.717	982.2000122	40
RC90-0264	636028.077	7106321.307	981.5999756	14
RC90-0265	636071.366	7106391.227	1013.700012	54
RC90-0266	636053.208	7106436.022	1012	56
RC90-0267	636443.103	7106683.552	1065.199951	40
RC90-0268	636495.148	7106601.884	1050	50
RC90-0269	636367.764	7106484.693	1012.799988	52
RC90-0270	636380.337	7106462.709	1003.099976	52
RC90-0271	636392.844	7106440.228	989.4000244	52
RC90-0272	636442.882	7106467.092	994.7000122	52
RC90-0273	636455.988	7106445.179	978.7999878	52
RC90-0274	636506.706	7106565.78	1032.199951	50
RC90-0275	636522.971	7106543.345	1023.099976	52
RC90-0276	636540.642	7106521.471	1016.400024	52
RC90-0277	636546.885	7106493.403	1000.799988	50
RC90-0278	636503.671	7106689.006	1048.699951	40
RC90-0279	636515.573	7106666.99	1048.599976	52
RC90-0280	636529.213	7106641.472	1046.400024	64
RC90-0281	636536.89	7106619.836	1045.599976	42
RC90-0282	637187.779	7106652.254	907.5	46
RC90-0283	637204.447	7106627.06	918.5	50
RC90-0284	637216.366	7106605.627	931.2000122	52
RC90-0285	637231.014	7106582.398	939.9000244	50
RC90-0286	637272.414	7106658.95	913.5999756	40
RC90-0287	637335.324	7106669.625	926.5	52
RC90-0288	637314.953	7106693.656	914.9000244	40
RC90-0289	637347.602	7106642.652	923.5999756	52
RC90-0290	636949.358	7106864.324	1017.400024	46
RC90-0291	636960.951	7106844.085	1013.200012	52

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC90-0292	636974.434	7106826.402	1005.799988	52
RC90-0293	636983.123	7106804.187	999.4000244	52
RC90-0294	636997.924	7106783.341	992.7000122	50
RC90-0295	637016.073	7106760.817	980.9000244	52
RC90-0296	637023.015	7106744.165	972.7999878	50
RC90-0297	637035.517	7106722.715	962.7000122	50
RC90-0298	637096.54	7106989.544	997.2999878	58
RC90-0299	637109.407	7106968.873	987.2000122	40
RC90-0300	637126.054	7106947.801	974.7000122	52
RC90-0301	637135.364	7106922.031	962	50
RC90-0302	637150.061	7106902.389	954.0999756	52
RC90-0303	637161.108	7106874.955	943.7000122	50
RC90-0304	637173.931	7106851.504	939.4000244	52
RC90-0305	637187.26	7106827.763	932.5999756	70
RC90-0306	637200.753	7106806.182	923.0999756	62
RC90-0307	637217.394	7106782.466	911.0999756	52
RC90-0308	637886.56	7107322.016	888.7999878	66
RC90-0309	637899.858	7107304.459	883.2999878	70
RC90-0310	637826.167	7107318.498	893.7999878	40
RC90-0311	637838.658	7107299.109	887.7999878	72
RC90-0312	637867.399	7107260.377	875.9000244	62
RC90-0313	637854.564	7107280.377	882	58
RC90-0314	637893.214	7107406.136	881.7999878	50
RC90-0315	637907.437	7107378.764	886.5999756	76
RC90-0316	637913.447	7107360.096	889.4000244	70
RC90-0317	637926.995	7107341.071	884.5	68
RC90-0318	637963.095	7107359.067	869.2000122	70
RC90-0319	637927.813	7107447.632	862.7000122	42
RC90-0320	637967.415	7107470.008	844.5999756	52
RC90-0321	637976.922	7107451.238	849.5999756	62
RC90-0322	637988.82	7107432.09	848.5999756	74
RC90-0323	638002.922	7107401.664	845.7999878	76
RC91-0324	633939.819	7105507.671	798.9000244	34
RC91-0325	633981.144	7105549.847	793.2999878	40
RC91-0326	633877.374	7105515.974	816.7999878	40
RC91-0327	633863.581	7105540.947	821.9000244	30
RC91-0328	633953.14	7105598.294	806.7000122	40
RC91-0329	633968.544	7105575.146	799.5999756	34
RC91-0330	633991.794	7105524.141	786.7999878	52

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC91-0331	633894.107	7105491.277	809	34
RC91-0332	633552.137	7105692.563	896.7999878	58
RC91-0333	633565.472	7105669.63	890.7999878	70
RC91-0334	633578.823	7105645.442	884	74
RC91-0335	633889.951	7106233.369	953.5999756	60
RC91-0336	633889.951	7106233.369	953.5999756	54
RC91-0337	633979.868	7106140.608	922.5	46
RC91-0338	633994.837	7106120.889	913.4000244	56
RC91-0339	634046.73	7106228.372	938.2999878	40
RC91-0340	634064.068	7106206.885	931	52
RC91-0341	634035.286	7106358.814	966.7999878	40
RC91-0342	634118.808	7106302.762	948.9000244	52
RC91-0343	634128.549	7106280.105	942.9000244	52
RC91-0344	634053.944	7106401.339	971	56
RC91-0345	634150.459	7106377.279	960.9000244	52
RC91-0346	634136.225	7106399.363	965	40
RC91-0347	634179.949	7106417.051	963.5	28
RC91-0348	634194.194	7106394.744	959.2999878	46
RC91-0349	634202.691	7106546.845	954.5999756	34
RC91-0350	634215.424	7106591.551	944.2000122	38
RC91-0351	634842.185	7105954.509	837.2999878	40
RC91-0352	634827.995	7105973.862	837.5	40
RC91-0353	634818.739	7105994.839	837.7000122	40
RC91-0354	634924.164	7105932.039	839	40
RC91-0355	634911.014	7105954.847	842.7000122	40
RC91-0356	634994.737	7105937.031	840.4000244	36
RC91-0357	635156.185	7105763.221	783.0999756	40
RC91-0358	635166.661	7105742.93	777.9000244	38
RC91-0359	635177.181	7105723.581	769.5	32
RC91-0360	635228.877	7105824.063	790.2000122	40
RC91-0361	635241.004	7105807.57	789.4000244	52
RC91-0362	635221.777	7105747.271	777.2999878	50
RC91-0363	635174.555	7106045.575	850.7000122	52
RC91-0364	635181.23	7106020.619	844.2999878	46
RC91-0365	635197.092	7106002.781	836.5999756	46
RC91-0366	635159.472	7106068.559	860.7000122	46
RC91-0367	635207.465	7105981.857	829.5999756	40
RC91-0368	635223.98	7105956.118	817.7000122	40
RC91-0369	635235.654	7105935.122	812.5	40

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC91-0370	635525.502	7106223.213	958.9000244	28
RC91-0371	635539.43	7106200.039	949.0999756	28
RC91-0372	635551.104	7106177.205	940.7000122	40
RC91-0373	635566.198	7106153.997	932.4000244	44
RC91-0374	635645.023	7106213.922	948.0999756	32
RC91-0375	635653.255	7106195.585	940.5999756	36
RC91-0376	635680.499	7106256.715	939.9000244	40
RC91-0377	635672.459	7106202.016	930.7000122	34
RC91-0378	635698.299	7106230.321	928.5	30
RC91-0379	635910.934	7106319.418	933.7999878	50
RC91-0380	635922.913	7106295.837	934	28
RC91-0381	635935.241	7106274.289	934.7000122	40
RC91-0382	635943.364	7106250.837	934.2000122	50
RC91-0383	635958.213	7106228.066	931.4000244	44
RC91-0384	635969.419	7106203.82	927.7999878	58
RC91-0385	636157.953	7106371.576	1015.099976	66
RC91-0386	636194.493	7106390.624	1016.5	58
RC91-0387	636202.595	7106369.456	1009.099976	58
RC91-0388	636077.122	7106335.441	996.5999756	50
RC91-0389	636087.521	7106314.876	988.5999756	56
RC91-0390	636145.881	7106394.301	1023.099976	58
RC91-0391	636169.333	7106351.104	1006.200012	62
RC91-0392	636238.322	7106416.294	1015.200012	58
RC91-0393	636250.181	7106397.01	1004.299988	54
RC91-0394	636304.491	7106493.449	1017.900024	42
RC91-0395	636435.228	7106589.56	1047.800049	40
RC91-0396	636424.381	7106610.103	1058.099976	46
RC91-0397	636316.705	7106471.493	1008.200012	40
RC91-0398	636410.12	7106631.827	1064.300049	30
RC91-0399	636327.14	7106569.91	1051.699951	40
RC91-0400	636330.786	7106447.027	996.7999878	64
RC91-0401	636339.797	7106428.323	988.7999878	50
RC91-0402	636403.565	7106415.825	974	70
RC91-0403	636467.406	7106421.167	970.5999756	28
RC91-0404	636501.99	7106473.104	984.7999878	40
RC91-0405	636512.695	7106453.63	979.7999878	28
RC91-0406	636561.857	7106685.429	1028.800049	28
RC91-0407	636577.899	7106662.983	1030.400024	46
RC91-0408	637441.255	7106738.242	905.0999756	42

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC91-0409	636533.335	7106727.039	1026	38
RC91-0410	636547.542	7106704.595	1025.900024	28
RC91-0411	637322.901	7106576.177	927.0999756	52
RC91-0412	637372.311	7106596.602	913.7000122	40
RC91-0413	637360.229	7106619.551	918.0999756	50
RC91-0414	637455.013	7106699.241	896.5999756	28
RC91-0415	637140.96	7106622.721	915.2000122	48
RC91-0416	637152.002	7106601.829	923.2000122	58
RC91-0417	636951.272	7106642.633	950.7999878	52
RC91-0418	637048.569	7106700.082	951.9000244	52
RC91-0419	636986.704	7106682.645	962.7000122	64
RC91-0420	636964.1	7106619.989	943.7999878	50
RC91-0421	637167.973	7106578.08	933.9000244	50
RC91-0422	637125.545	7106651.604	914.5999756	44
RC91-0423	637180.704	7106551.936	940.9000244	46
RC91-0424	637243.112	7106554.521	938.0999756	62
RC91-0425	636862.882	7106618.325	967	46
RC91-0426	636983.267	7106588.507	944.5999756	30
RC91-0427	636837.732	7106665.161	968	34
RC91-0428	636850.539	7106641.127	967.7000122	34
RC91-0429	636874.976	7106595.153	966.7000122	28
RC91-0430	636889.873	7106568.62	966	70
RC91-0431	637291.549	7107146.585	933.0999756	28
RC91-0432	637305.182	7107114.748	939.7000122	28
RC91-0433	637166.899	7107075.369	985.5999756	40
RC91-0434	637179.292	7107056.155	985	28
RC91-0435	637273.444	7107090.822	953.2999878	40
RC91-0436	637190.024	7107035.203	979.2000122	34
RC91-0437	637787.522	7107280.124	887.9000244	28
RC91-0438	637803.542	7107258.126	876.7999878	46
RC91-0439	637815.598	7107238.492	865.9000244	52
RC91-0440	637876.769	7107236.133	867.7999878	76
RC91-0441	637913.716	7107283.657	875.7000122	76
RC91-0442	637940.891	7107316.731	874.9000244	94
RC91-0443	637829.204	7107211.808	854.5	90
RC91-0444	637844.13	7107187.471	851.2999878	88
RC91-0445	638016.992	7107375.584	843.7000122	86
RC91-0446	637954.647	7107492.341	842.2000122	48
RC91-0447	637988.253	7107519.27	826.5999756	40

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC91-0448	637998.707	7107495.75	826.2000122	40
RC91-0449	638011.013	7107474.65	826.2000122	46
RC91-0450	638025.475	7107449.709	824.2000122	40
RC91-0451	638035.613	7107427.16	823.5	52
RC91-0452	638048.866	7107399.472	822.9000244	64
RC91-0453	633894.373	7105486.719	808.7000122	58
RC91-0454	633928.384	7105531.099	807.2999878	56
RC91-0455	633876.862	7105517.294	816.2999878	30
RC91-0456	633952.905	7105596.67	806.7000122	109.2
RC91-0457	634002.832	7105611.07	793.5	50
RC91-0458	634014.12	7105587.904	788.2000122	62
RC91-0459	634025.842	7105563.146	780.4000244	52
RC91-0460	633991.103	7105629.51	796.9000244	100
RC91-0461	633967.401	7105580.245	799.5999756	64
RC91-0462	633979.173	7105555.4	793.5	88
RC91-0463	635563.476	7106160.275	932.9000244	52
RC91-0464	635488.3	7106191.048	941.4000244	38
RC91-0465	635501.493	7106163.671	929	30
RC91-0466	635551.562	7106182.515	941	36
RC91-0467	635623.976	7106143.185	922.5999756	52
RC91-0468	635607.787	7106165.892	933.7999878	40
RC91-0469	635595.802	7106188.666	945.7000122	40
RC91-0470	635685.73	7106187.773	920.2999878	22
RC91-0471	636219.252	7106348.161	989.5	76
RC91-0472	636118.662	7106399.899	1024	94
RC91-0473	636134.714	7106375.393	1014.700012	70
RC91-0474	636134.039	7106376.392	1014.700012	100
RC91-0475	636119.174	7106351.615	1006.200012	52
RC91-0476	636181.388	7106329.633	995.7000122	58
RC91-0477	636436.006	7106589.194	1046.400024	34
RC91-0478	636424.147	7106612.153	1058.400024	40
RC91-0479	636476.656	7106628.693	1056.900024	62
RC91-0480	636524.808	7106650.134	1047	70
RC91-0481	636428.239	7106487.454	1005.400024	52
RC91-0482	636489.967	7106493.904	995.9000244	52
RC91-0483	636479.339	7106521.001	1010.299988	52
RC91-0484	636464.67	7106542.839	1023.200012	46
RC91-0485	636502.108	7106688.931	1048.699951	56
RC91-0486	636596.354	7106641.55	1030.800049	68

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC91-0487	636562.44	7106685.412	1029.300049	28
RC91-0488	636609.632	7106695.289	1012.700012	30
RC91-0489	636610.368	7106693.98	1012.700012	40
RC91-0490	636623.066	7106672.181	1015.799988	52
RC91-0491	636632.741	7106650.865	1019.5	64
RC91-0492	637457.584	7106656.478	890	40
RC91-0493	637467.456	7106638.487	889.7000122	40
RC91-0494	637482.01	7106612.565	886.2000122	40
RC91-0495	637386.046	7106686.08	914.0999756	40
RC91-0496	637395.7	7106663.374	909.7999878	52
RC91-0497	637407.411	7106635.164	904.7999878	46
RC91-0498	637418.824	7106619.533	900.5999756	58
RC91-0499	637230.529	7106582.24	939.4000244	102
RC91-0500	637096.837	7106595.737	925.5	52
RC91-0501	637124.134	7106554.471	939.5	82
RC91-0502	637108.321	7106575.896	936	76
RC91-0503	636999.832	7106658.447	948.7000122	40
RC91-0504	637175.907	7106747.317	927.7000122	58
RC91-0505	637100.679	7106897.023	974.9000244	40
RC91-0506	637110.344	7106874.093	966.2000122	40
RC91-0507	637121.478	7106843.032	961.5	46
RC91-0508	637138.772	7106820.602	953	40
RC91-0509	637151.704	7106796.753	945.5	34
RC91-0510	637166.531	7106770.754	936.0999756	46
RC91-0511	637089.479	7106918.4	983.5999756	40
RC91-0512	637066.398	7106966.859	1001.799988	52
RC91-0513	636946.216	7106865.428	1016.900024	40
RC91-0514	637041.429	7106931.695	1004.299988	52
RC91-0515	637080.278	7106941.935	992.5999756	58
RC91-0516	637204.203	7107010.562	968.5999756	58
RC91-0517	636992.752	7106564.672	942.5	100
RC91-0518	637004.143	7106547.651	942.5	88
RC91-0519	636793.604	7106637.37	982.7000122	48
RC91-0520	636805.588	7106614.596	982.2000122	70
RC91-0521	636815.939	7106594.119	982.0999756	82
RC91-0522	636830.967	7106568.578	978	88
RC91-0523	637925.379	7107261.047	867.4000244	94
RC91-0524	637756.136	7107242.502	869.9000244	52
RC91-0525	637768.349	7107218.708	862.7999878	40

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC91-0526	637774.484	7107192.876	859.2999878	118
RC91-0527	637789.84	7107167.978	851.2000122	82
RC91-0528	637808.485	7107145.388	839.0999756	112
RC91-0529	637856.408	7107162.336	842.7000122	82
RC91-0530	637820.623	7107130.508	832.0999756	82
RC91-0531	637833.463	7107210.757	854.7000122	82
RC91-0532	638010.579	7107256.118	852.4000244	74
RC91-0533	638029.476	7107344.364	847.2000122	76
RC91-0534	633827.414	7105498.57	824.4000244	40
RC91-0535	633838.641	7105475.715	819.9000244	30
RC91-0536	633850.119	7105453.23	814.0999756	60
RC91-0537	633865.153	7105428.496	808.0999756	70
RC91-0538	633909.146	7105465.512	802	70
RC91-0539	633910.126	7105463.766	802	88
RC91-0540	634076.234	7105589.175	772.5	70
RC91-0541	634064.075	7105610.014	775.5	70
RC91-0542	634023.988	7105677.735	793.4000244	50
RC91-0543	634035.956	7105654.378	788.5	50
RC91-0544	634049.645	7105634.284	782.0999756	50
RC91-0545	634002.87	7105611.207	793.4000244	70
RC91-0546	634037.358	7105538.96	775.4000244	106
RC91-0547	634002.139	7105499.183	783.9000244	70
RC91-0548	634052.661	7105712.225	787.0999756	46
RC91-0549	634062.114	7105700.085	783.9000244	50
RC91-0550	634100.011	7105631.363	766.9000244	50
RC91-0551	634091.414	7105648.922	770.2000122	70
RC91-0552	634076.826	7105671.84	776.2999878	52
RC91-0553	636449.455	7106561.157	1035.800049	52
RC91-0554	636483.496	7106720.037	1048.099976	36
RC91-0555	636692.984	7106628.923	1005.700012	64
RC91-0556	636681.876	7106647.482	1006	70
RC91-0557	636666.096	7106670.074	1006	52
RC91-0558	636665.115	7106671.819	1006	46
RC91-0559	636487.767	7106500.476	996.5	46
RC91-0560	636500.634	7106474.294	985.0999756	52
RC91-0561	636949.49	7106543.914	953.5	64
RC91-0562	636939.493	7106561.719	953.9000244	46
RC91-0563	636731.156	7106668.752	991	34
RC91-0564	636732.642	7106666.717	991	40

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC91-0565	636715.974	7106688.236	989.5999756	40
RC91-0566	636748.151	7106646.039	990.5	58
RC91-0567	637067.47	7106537.776	947.7000122	76
RC91-0568	637322.444	7106576.379	926	76
RC91-0569	637245.035	7106556.405	938	94
RC91-0570	637379.276	7106585.015	909.9000244	72
RC91-0571	637468.294	7106637.81	889.7000122	76
RC91-0572	637434.899	7106594.579	893.2000122	76
RC91-0573	637055.911	7106564.693	939.7999878	76
RC91-0574	637083.044	7106844.508	979	52
RC91-0575	637094.174	7106829.177	972.2000122	50
RC91-0576	638434.941	7107162.923	806.7000122	40
RC91-0577	638459.694	7107119.653	820.0999756	58
RC91-0578	638448.205	7107138.686	816.9000244	58
RC91-0579	633164.437	7105399.877	826.5	40
RC91-0580	633149.991	7105427.239	830.5999756	46
RC91-0581	633136.657	7105452.01	831.9000244	52
RC91-0582	633802.708	7105433.125	820.4000244	50
RC91-0583	633786.105	7105456.977	825.9000244	40
RC91-0584	633816.87	7105407.9	814.9000244	70
RC91-0585	634178.67	7105817.161	819.5999756	50
RC91-0586	634192.937	7105794.407	810.2999878	50
RC91-0587	636781.99	7106659.893	982.4000244	50
RC91-0588	636843.61	7106544.222	972.7000122	40
RC91-0589	636767.56	7106686.001	981.5	56
RC91-0590	637257.524	7106612.572	933	60
RC91-0591	637242.784	7106640.457	917.2000122	40
RC91-0592	636922.689	7106633.915	951.0999756	50
RC91-0593	636991.257	7106872.604	1005.599976	50
RC91-0594	636961.786	7106860.975	1014.299988	50
RC91-0595	636971.38	7106840.417	1007.099976	50
RC91-0596	637033.912	7106783.361	982.2000122	50
RC91-0597	637003.225	7106845.572	1004.099976	60
RC91-0598	637019.564	7106525.086	944.4000244	50
RC91-0599	636964.779	7106514.845	951.7000122	50
RC91-0600	637271.055	7106587.452	937	46
RC91-0601	637047.383	7106756.714	968.4000244	52
RC91-0602	637044.597	7106591.174	931.9000244	50
RC91-0603	636926.365	7106497.5	959.4000244	70

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC91-0604	636913.597	7106521.67	960.4000244	58
RC91-0605	636902.451	7106543.768	960.5999756	52
RC91-0606	637137.778	7106984.706	978.5999756	40
RC91-0607	637154.266	7106958.608	965.7000122	40
RC91-0608	637183.837	7106939.633	954.7999878	50
RC91-0609	637198.413	7106913.264	942.7000122	52
RC91-0610	637234.524	7106842.619	908.2000122	50
RC91-0611	637209.69	7106892.159	931.2999878	50
RC91-0612	637282.77	7107154.052	932.5999756	50
RC91-0613	638035.314	7107428.714	823.0999756	50
RC91-0614	638066.016	7107491.444	824.4000244	60
RC91-0615	638084.06	7107455.426	816.2000122	60
RC91-0616	638108.324	7107418.541	811.7999878	34
RC91-0617	638458.392	7107119.725	819.2000122	50
RC91-0618	638474.075	7107095.47	822.5	50
RC91-0619	638713.526	7107221.343	853.4000244	58
RC91-0620	638226.963	7107083.908	775.2999878	64
RC91-0621	638726.605	7107197.232	857.7000122	70
RC91-0622	638754.201	7107152.575	874.9000244	52
RC91-0623	638705.151	7107235.238	853.2000122	58
RC91-0624	631306.5	7105818.975	776.5	54
RC91-0625	631322.024	7105791.53	776.5	50
RC91-0626	631254.462	7105910.636	770.7999878	52
RC91-0627	631268.821	7105886.9	771.7999878	50
RC91-0628	631240.473	7105932.284	769.2000122	52
RC91-0629	633305.388	7105477.386	849.5	70
RC91-0630	633319.077	7105455.455	847	52
RC91-0631	633332.772	7105430.657	843.5999756	52
RC91-0632	634355.398	7105993.897	838.0999756	44
RC91-0633	634786.207	7105932.918	826.5	40
RC91-0634	634796.9	7105909.992	822.2000122	40
RC91-0635	634810.742	7105884.932	815.5999756	40
RC91-0636	634866.992	7105993.027	843.7999878	52
RC91-0637	634925.566	7105997.131	851.4000244	58
RC91-0638	634914.681	7106017.537	852.0999756	52
RC91-0639	634986.446	7106019.181	851.7999878	52
RC91-0640	634998.213	7105999.04	849.0999756	50
RC91-0641	635030.528	7105931.888	835.5999756	40
RC91-0642	635012.191	7106022.744	852.2999878	50

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC91-0643	635085.596	7105894.865	821.4000244	46
RC91-0644	635071.64	7105917.679	828.2000122	44
RC91-0645	635226.696	7105984.974	826.4000244	40
RC91-0646	635236.258	7105976.11	825.4000244	40
RC91-0647	636126.219	7106521.616	1058.400024	28
RC91-0648	639476.937	7105836.768	959.5	50
RC91-0649	639491.731	7105809.602	956.5	52
RC91-0650	639437.198	7105709.477	911.2999878	58
RC91-0651	636762.392	7106504.079	986.2999878	50
RC91-0652	636749.885	7106528.397	992.0999756	50
RC91-0653	636922.969	7106607.892	953.4000244	40
RC91-0654	636734.938	7106553.18	998.2000122	46
RC91-0655	636872.884	7106494.536	968.7999878	50
RC91-0656	636858.911	7106518.604	971.9000244	50
RC91-0657	636206.924	7106546.542	1064.099976	40
RC91-0658	636424.587	7106553.379	1037.300049	50
RC91-0659	636197.563	7106563.213	1064.900024	30
RC91-0660	636224.512	7106566.878	1064.800049	30
RC91-0661	636052.484	7106437.108	1012	30
RC91-0662	636142.892	7106540.519	1064	30
RC91-0663	636070.625	7106391.729	1013.400024	40
RC91-0664	636084.587	7106369.722	1010.599976	50
RC91-0665	636411.034	7106575.271	1047.5	40
RC91-0666	635712.944	7103049.442	901.2000122	50
RC91-0667	635994.272	7102858.965	926.4000244	50
RC91-0668	635986.164	7102873.814	926.7000122	50
RC91-0669	634424.578	7105873.748	786.7000122	46
RC91-0670	637034.391	7106500.924	955.2000122	70
RC91-0671	634435.506	7105852.447	781.7999878	50
RC92-0672	641353.792	7105776.232	811.5	64
RC92-0673	641369.893	7105834.75	811.0910034	66
RC92-0674	641049.47	7105824.781	807.2509766	56
RC92-0675	640511.921	7106353.904	952	50
RC92-0676	640581.327	7106393.033	936.7000122	60
RC92-0677	640317.205	7106038.909	1078.400024	56
RC92-0678	639531.165	7105747.944	910.7999878	84
RC92-0679	639454.298	7105702.095	911	31
RC92-0680	639081.135	7105841.524	938.7999878	54
RC92-0681	639133.88	7105921.353	984.2000122	56

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC92-0682	636585.525	7106435.203	971	62
RC92-0683	636495.501	7106357.04	953.4000244	92
RC92-0684	636257.792	7106279.111	955.5	56
RC92-0685	636121.574	7106204.607	937.5999756	76.5
RC92-0686	635523.772	7105911.631	805.9000244	56
RC92-0687	641347.829	7105741.41	812.1099854	110
RC92-0688	641438.145	7105700.324	811.2000122	62
RC92-0689	641249.72	7105756.455	814.414978	72
RC92-0690	641139.534	7105766.552	801.3209839	72
RC93-0691	632434.238	7105115.844	832.0999756	56
RC93-0692	632650.128	7105140.744	839.0999756	56
RC93-0693	633286.243	7105412.655	837.0999756	44
RC93-0694	633298.576	7105391.914	837	56
RC93-0695	633346.978	7105404.539	841.7000122	52
RC93-0696	633369.07	7105470.352	852.0999756	56
RC93-0697	633381.528	7105447.959	849	50
RC93-0698	633345.302	7105696.866	896.7999878	40
RC93-0699	633361.017	7105673.778	892.5	42
RC93-0700	634258.338	7106621.3	932.5999756	36
RC93-0701	634290.741	7106597.487	937.0999756	38
RC93-0702	634323.802	7106573.929	941.2999878	38
RC93-0703	633951.568	7106039.498	893.5999756	30
RC93-0704	633864.24	7106189.52	941.7000122	50
RC93-0705	633757.376	7105408.906	823.9000244	56
RC93-0706	634130.338	7105695.375	770.7999878	24
RC93-0707	634145.508	7105672.439	763.4000244	27
RC93-0708	634263.666	7105789.727	798.5	50
RC93-0709	634299.794	7105815.432	797.5	42
RC93-0710	634477.386	7105886.897	780.2000122	38
RC93-0711	634753.851	7105976.048	828.2999878	50
RC93-0712	634827.349	7105856.374	808	44
RC93-0713	634888.06	7105916.911	833.7999878	42
RC93-0714	634940.274	7105973.591	848.0999756	50
RC93-0715	634955.846	7105946.059	842.2999878	50
RC93-0716	635099.067	7105870.056	816.2999878	50
RC93-0717	635116.856	7105836.536	805.2000122	40
RC93-0718	635188.583	7105700.824	763.2000122	36
RC93-0719	635247.479	7105710.276	772.0999756	24
RC93-0720	635490.671	7105967.318	824.4000244	50

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC93-0721	635504.517	7105941.227	815.5999756	37
RC93-0722	635578.142	7105921.18	809.9000244	38
RC93-0723	635490.735	7105868.373	800.2999878	48
RC93-0724	635282.196	7106155.457	907.0999756	50
RC93-0725	635725.828	7106217.433	910.5999756	52
RC93-0726	635930.463	7106169.062	912.2000122	54
RC93-0727	635943.782	7106141.871	903.7999878	54
RC93-0728	635991.846	7106157.75	911.2000122	58
RC93-0729	636056.269	7106204.528	935.4000244	80
RC93-0730	636071.172	7106176.964	925	87
RC93-0731	636102.271	7106232.453	949.9000244	56
RC93-0732	636141.654	7106250.113	961.9000244	62
RC93-0733	636162.026	7106227.92	952	62
RC93-0734	636277.521	7106345.663	972.0999756	58
RC93-0735	636354.275	7106398.453	974	54
RC93-0736	635934.291	7102846.952	935.4000244	128
RC93-0737	635967.121	7102892.62	928	100
RC93-0738	636011.178	7102778.214	929.0999756	104
RC93-0739	636041.034	7102820.603	922.4000244	74
RC93-0740	636109.056	7102907.527	926.5	74
RC93-0741	636149.136	7106469.161	1044.599976	68
RC93-0742	636161.868	7106504.681	1052.5	48
RC93-0743	636226.744	7106514.509	1049.599976	62
RC93-0744	636359.882	7106615.529	1064.699951	54
RC93-0745	636611.376	7106609.689	1028.199951	50
RC93-0746	636654.506	7106528.177	1009.099976	50
RC93-0747	636649.106	7106691.757	1004.5	36
RC93-0748	636675.513	7106493.825	993.0999756	80
RC93-0749	636696.7	7106456.703	985.4000244	42
RC93-0750	636781.755	7106470.41	982.7000122	50
RC93-0751	636908.586	7106660.666	956.0999756	50
RC93-0752	637504.433	7106760.895	884	50
RC93-0753	637490.233	7106791.495	884.9000244	76
RC93-0754	636976.25	7106895.86	1014.200012	36
RC93-0755	637053.603	7106990.67	1009.5	50
RC93-0756	637221.861	7106979.725	956.0999756	62
RC93-0757	637239.105	7107034.774	961.2000122	68
RC93-0758	637320.994	7107084.136	943.5	56
RC93-0759	637941.175	7107235.363	852.2000122	60

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC93-0760	638044.38	7107320.475	842.9000244	62
RC93-0761	638122.345	7107392.549	813.2999878	50
RC93-0762	638168.052	7107413.648	819.7000122	50
RC93-0763	638697.382	7107257.855	846.5	90
RC93-0764	638705.053	7107235.412	853.0999756	58
RC93-0765	639189.309	7105992.929	1029.599976	80
RC93-0766	639502.762	7105785.259	942.2000122	60
RC93-0767	639442.786	7105808.155	944.9000244	56
RC93-0768	639449.798	7105828.746	950.9000244	60
RC93-0769	639535.451	7105837.508	957.2999878	56
RC93-0770	640252.779	7106018.885	1094.300049	50
RC93-0771	640270.319	7106044.82	1082.599976	68
RC93-0772	640285.909	7106066.673	1074.300049	56
RC93-0773	635470.433	7106019.901	852.5999756	50
RC93-0774	635452.461	7105927.352	811.2999878	48
RC93-0775	635474.144	7105895.677	806.9000244	48
RC93-0776	635436.305	7105953.064	815.5999756	80
RC93-0777	635538.822	7105887.48	804	74
RC93-0778	635594.118	7105896.402	805.9000244	94
RC93-0779	635631.514	7105919.03	810.7000122	80
RC93-0780	635620.222	7105945.064	816.5	62
RC93-0781	635564.132	7105946.95	818.2999878	68
RC93-0782	635606.086	7105968.811	826.4000244	56
RC93-0783	635548.815	7105971.984	831.7999878	56
RC93-0784	635259.829	7105977.418	826.4000244	52
RC93-0785	635045.864	7105969.101	841.0999756	46
RC93-0786	635028.134	7105994.961	847.2999878	44
RC93-0787	635009.253	7105912.81	834.5999756	48
RC93-0788	635034.95	7105921.972	835.2999878	36
RC93-0789	635129.716	7105807.709	799.7999878	40
RC93-0790	635143.236	7105782.812	793.2000122	40
RC93-0791	635223.65	7105745.568	776.5999756	61
RC93-0792	635182.268	7105727.589	771.7999878	40
RC93-0793	634931.153	7105987.181	851.2000122	36
RC93-0794	634860.061	7105966.165	840.7000122	36
RC93-0795	634859	7105927.216	833.5	40
RC93-0796	634870.892	7105903.586	829	36
RC93-0797	634886.067	7105875.946	823.0999756	34
RC93-0798	633248.649	7105375.676	829.5999756	62

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC93-0799	633263.002	7105349.296	826.9000244	86
RC93-0800	633423.723	7105479.601	855.2000122	86
RC93-0801	633440.108	7105451.032	850.9000244	62
RC93-0802	633331.456	7105354.59	831.2000122	108
RC93-0803	633365.306	7105370.058	835.5999756	102
RC93-0804	635421.2	7105976.495	822.5	68
RC93-0805	635689.844	7105929.083	816	56
RC93-0806	635680.262	7105958.604	826.4000244	38
RC93-0807	635660.245	7105983.638	840	48
RC93-0808	635583.363	7106002.543	847.5	58
RC93-0809	637946.195	7107404.684	870	76
RC93-0810	637946.445	7107405.055	870.0999756	54
RC93-0811	637938.213	7107427.068	869.4000244	68
RC93-0812	635641.848	7106170.57	933.7999878	50
RC93-0813	635644.55	7106220.891	948.7000122	40
RC93-0814	635667.494	7106170.633	925.0999756	50
RC93-0815	635378.596	7106037.06	859.5	54
RC93-0816	635538.23	7105998.186	849.2000122	60
RC93-0817	635401.199	7106005.786	843.4000244	54
RC93-0818	635368.871	7105962.697	825.7999878	50
RC93-0819	635380.851	7105944.628	814.5999756	44
RC93-0820	635396.315	7105917.494	807.2999878	40
RC93-0821	635409.786	7105892.685	802.4000244	52
RC93-0822	635427.396	7105865.609	797.9000244	50
RC93-0823	632721.955	7103993.686	784.5999756	116
RC93-0824	632764.916	7103168.8	699.2999878	72
RC93-0825	632121.853	7103412.808	678.5	22
RC93-0826	631928.043	7104057.134	723.9000244	80
RC93-0827	632745.069	7104885.685	836.2999878	124
RC93-0828	633271.498	7105539.174	859.9000244	74
RC93-0829	633106.678	7106224.369	927.5999756	56
RC93-0830	632499.675	7105962.277	834.5	32
RC93-0831	634324.305	7106638.171	932	68
RC93-0832	634203.002	7106546.904	954.5	58
RC93-0833	634205.126	7106498.607	960.4000244	62
RC93-0834	634168.203	7106423.883	964.5999756	76
RC93-0835	634130.463	7106396.353	965.2000122	98
RC93-0836	634052.975	7106401.024	971	42
RC93-0837	634026.759	7106368.489	967.9000244	46

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC93-0838	634004.586	7106314.457	961.5999756	50
RC93-0839	635759.973	7105912.812	824.2999878	56
RC93-0840	633491.788	7105466.189	852.2000122	54
RC93-0841	633203.301	7105352.712	823.4000244	44
RC94-0842	632101.433	7105170.939	822.7999878	153
RC94-0843	632262.474	7103742.063	728.4000244	59
RC94-0844	632199.185	7104644.4	772.2000122	94
RC94-0845	635251.486	7105789.922	786.0999756	72
RC94-0846	635241.765	7105893.2	801	61.7
RC94-0847	635539.105	7105928.633	811.7999878	70
RC94-0848	635641.497	7105960.468	826.5	68
RC94-0849	633772.072	7105427.042	824.0999756	110
RC94-0850	633793.386	7105449.931	824.0999756	55.1
RC94-0851	633819.734	7105451.193	819.9000244	50
RC94-0852	633841.266	7105523.925	824.2999878	30
RC94-0853	633853.823	7105501.358	821.2999878	40
RC94-0854	633865.922	7105480.83	815.5999756	50
RC94-0855	633902.737	7105520.012	809.9000244	50
RC94-0856	633910.971	7105557.826	811.7000122	66
RC94-0857	633889.789	7105545.115	815.4000244	40
RC94-0858	633920.931	7105599.71	814.7999878	40
RC94-0859	633936.426	7105512.08	802.4000244	86
RC94-0860	633916.154	7105498.158	805.9000244	66
RC94-0861	633959.704	7105474.296	791	50
RC94-0862	633993.411	7105519.424	786.5	86
RC94-0863	633970.786	7105513.366	793.2000122	60
RC94-0864	633957.544	7105535.318	798.2000122	50
RC94-0865	633946.093	7105556.325	803.2999878	50
RC94-0866	633935.012	7105575.244	808.7000122	40
RC94-0867	633959.434	7105635.477	809.0999756	50
RC94-0868	633986.039	7105542.15	790.2999878	80
RC94-0869	633997.436	7105567.388	788.2000122	70
RC94-0870	634029.611	7105611.77	788	56
RC94-0871	634017.67	7105633.65	792	46
RC94-0872	634007.276	7105656.858	796	40
RC94-0873	633973.711	7105608.825	802.0999756	49
RC94-0874	633985.995	7105588.171	794.7999878	66
RC94-0875	634041.803	7105590.261	781.4000244	65
RC94-0876	634011.539	7105544.312	779.7000122	80

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC94-0877	634023.082	7105522.323	778.4000244	80
RC94-0878	634054.642	7105567.393	776.2000122	70
RC94-0879	634066.518	7105546.854	771.5999756	75
RC94-0880	634058.029	7105509.701	773.2000122	39.9
RC94-0881	635704.018	7105907.31	813.7999878	45
RC94-0882	635720.523	7105928.759	818.5	45
RC94-0883	635270.409	7105818.702	790.2999878	50
RC94-0884	635258.196	7105840.659	792.2000122	40
RC94-0885	634886.104	7105818.094	803.2999878	20
RC94-0886	634843.423	7105827.746	801.7999878	30
RC94-0887	634808.966	7105837.659	806.9000244	28
RC94-0888	634795.207	7105861.961	812.2999878	26
RC94-0889	634819.291	7105869.298	812	20
RC94-0890	634867.487	7105846.555	811.4000244	20
RC94-0891	634909.204	7105842.906	814	32
RC94-0892	635467.954	7107226.61	1085	64
RC94-0893	635439.694	7107273.88	1053.699951	40
RC94-0894	635091.428	7107150.684	972.2000122	42
RC94-0895	635071.515	7107183.699	959.2999878	36
RC94-0896	635625.68	7105995.785	843.7000122	30
RC94-0897	635580.347	7105964.217	827.2000122	45
RC94-0898	635559.515	7105960.89	827.0999756	43
RC94-0899	635524.104	7105961.883	827	30
RC94-0900	635659.363	7105936.407	815.7000122	42
RC94-0901	635673.057	7105911.608	812.5	50
RC94-0902	635593.187	7105941.35	815.7000122	50
RC94-0903	635457.319	7105977.507	823.7000122	32
RC94-0904	635574.026	7105934.024	815	40
RC94-0905	635606.059	7105917.812	810.7000122	54
RC94-0906	635618.659	7105896.187	805.5999756	50
RC94-0907	635469.794	7105957.535	819.2000122	41.6
RC94-0908	635557.15	7105903.639	805.5	45
RC94-0909	635513.241	7105882.402	802.4000244	45
RC94-0910	635482.857	7105934.678	814.0999756	46
RC94-0911	635497.826	7105909.448	805.5	50
RC94-0912	635515.958	7105925.956	811.2999878	53.5
RC94-0913	635434.148	7105902.59	806.5999756	55
RC94-0914	635421.461	7105924.165	811.5999756	44
RC94-0915	635409.607	7105946.094	814.9000244	42

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC94-0916	635533.529	7105938.359	811.7000122	50
RC94-0917	635397.415	7105967.603	820	20
RC94-0918	635448.893	7105875.512	800.2999878	45
RC94-0919	635220.277	7105907.99	807.2999878	30
RC94-0920	635207.932	7105928.955	813.2999878	30
RC94-0921	635195.131	7105951.958	821	30
RC94-0922	635183.522	7105973.451	826.9000244	36
RC94-0923	635642.352	7105965.886	826.5999756	40
RC94-0924	635171.342	7105994.737	834.2999878	32
RC94-0925	635158.943	7106016.819	841	28
RC94-0926	635146.479	7106038.405	847.7999878	30
RC94-0927	635099.496	7106044.49	851	19
RC94-0928	635113.136	7106020.81	846.0999756	25
RC94-0929	635125.768	7105998.515	840.2000122	24
RC94-0930	635134.986	7105975.564	834	36
RC94-0931	635147.308	7105953.209	828.2999878	36
RC94-0932	635159.522	7105933.09	822.9000244	40
RC94-0933	635648.653	7106005.713	848.7000122	29.7
RC94-0934	635171.99	7105903.124	814	37
RC94-0935	635484.247	7105988.969	837.0999756	20
RC94-0936	635185.265	7105876.827	806	37
RC94-0937	635515.354	7105978.897	837	30
RC94-0938	635149.922	7105860.75	810.0999756	40
RC94-0939	635138.619	7105881.495	814.2999878	40
RC94-0940	635125.115	7105905.137	820.5	40
RC94-0941	635113.299	7105925.365	825.2000122	37
RC94-0942	635100.476	7105946.978	831.2000122	35
RC94-0943	634901.583	7106009.83	850	24
RC94-0944	635088.197	7105968.439	837.2999878	35
RC94-0945	634912.957	7105988.55	848.2999878	30
RC94-0946	635077.138	7105990.585	841	28
RC94-0947	635064.914	7106012.765	845.4000244	25
RC94-0948	635053.485	7106035.162	850.9000244	22
RC94-0949	635041.071	7106056.661	855.2000122	19
RC94-0950	634998.693	7106047.193	857.2000122	13
RC94-0951	635022.313	7106005.124	848.2000122	40
RC94-0952	634991.588	7105975.106	846.5	36
RC94-0953	634897.609	7105981.99	846.4000244	28
RC94-0954	634881.585	7105969.078	843.7999878	30

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC94-0955	635219.759	7106004.27	834.9000244	19
RC94-0956	635048.737	7105991.959	844.7000122	28
RC94-0957	635005.054	7105953.165	840.7999878	32
RC94-0958	635065.918	7105884.378	822.0999756	30
RC94-0959	635092.233	7105880.798	819	37
RC94-0960	635108.596	7105850.839	810.9000244	22
RC94-0961	635126.096	7105820.487	802.2999878	30
RC94-0962	635544.443	7105987.325	841.5999756	30
RC94-0963	635162.598	7105837.56	802.7000122	40
RC94-0964	635569.86	7105982.895	840	40
RC94-0965	635287.191	7105934.811	806.5	40
RC94-0966	635260.777	7105931.216	806	31
RC94-0967	635199.542	7105850.174	797.2000122	37
RC94-0968	635175.297	7105815.762	795.9000244	40
RC94-0969	635209.527	7105828.918	791.4000244	36
RC94-0970	635187.69	7105794.71	786.7999878	40
RC94-0971	635229.282	7105792.713	785	45
RC94-0972	635198.297	7105775.41	780.2000122	42
RC94-0973	635165.588	7105743.819	775.7999878	28
RC94-0974	635168.611	7105700.047	761.2999878	31
RC94-0975	635155.718	7105724.032	769.4000244	31.3
RC94-0976	635086.226	7105741.006	781.7000122	40
RC94-0977	636153.673	7106517.643	1057.5	54
RC94-0978	636271.089	7106582.956	1062.199951	35
RC94-0979	636398.876	7106601.622	1056.900024	50
RC94-0980	636364.417	7106594.998	1056.900024	36
RC94-0981	636380.034	7106570.246	1046.900024	48
RC94-0982	636286.28	7106550.387	1046.300049	42
RC94-0983	636096.071	7106349.881	1006.299988	52
RC94-0984	636161.558	7106327.787	997.0999756	60
RC94-0985	636148.5	7106344.101	1003.400024	55
RC94-0986	636043.323	7106343.771	991.5999756	80
RC94-0987	636003.144	7106365.509	982.0999756	35
RC94-0988	635973.166	7106346.82	967.7000122	67.5
RC94-0989	636271.03	7106357.631	977.9000244	44
RC94-0990	636208.744	7106280.706	963	50
RC94-0991	636331.637	7106372.408	968.7999878	80
RC94-0992	636354.58	7106397.706	973	75
RC94-0993	636373.35	7106369.789	962	60

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC94-0994	636475.275	7106463.714	980.9000244	50
RC94-0995	636454.529	7106449.411	978.4000244	48
RC94-0996	636546.869	7106447.692	976.5	45
RC94-0997	636570.958	7106455.837	977.0999756	45
RC94-0998	636716.149	7106509.663	995	70
RC94-0999	636800.473	7106557.752	984.7999878	45
RC94-1000	636608.307	7106491.414	998	45
RC94-1001	636622.633	7106466.511	988.5999756	65
RC94-1002	636670.429	7106515.54	1000.5	43
RC94-1003	636461.194	7106488.18	997.2999878	45
RC94-1004	636697.913	7106535.812	1004	50
RC94-1005	636330.905	7106446.405	996.7999878	30
RC94-1006	636031.423	7106243.267	947	80
RC94-1007	635925.979	7106288.948	934.2000122	40
RC94-1008	636099.893	7106200.343	934.0999756	62
RC94-1009	636423.775	7106552.578	1037.900024	55
RC94-1010	637185.502	7107250.719	932.5	50
RC94-1011	634993.353	7105936.024	840.5999756	38
RC94-1012	634078.187	7105525.051	771.5999756	80
RC94-1013	635412.51	7107304.53	1032.199951	50
RC94-1014	635105.047	7107134.8	979.4000244	56
RC94-1015	634389.164	7106638.229	943.9000244	80
RC94-1016	634426.809	7106740.459	933.9000244	14
RC94-1017	634428.987	7106738.008	935	60
RC94-1018	634014.86	7105491.636	781	90
RC94-1019	634489.502	7106622.06	961.5999756	64
RC94-1020	633938.427	7105626.54	815.7000122	30
RC94-1021	633983.596	7105654.111	803.9000244	30
RC94-1022	634114.598	7105604.77	762	46
RC94-1023	634122.43	7105649.017	762	50
RC94-1024	634146.924	7105672.776	763.5	37
RC94-1025	634603.597	7106640.608	957.2000122	50
RC94-1026	634166.058	7105688.929	768.7000122	50
RC94-1027	634390.931	7106570.556	946.0999756	64
RC94-1028	634309.033	7106584.919	939.0999756	51
RC94-1029	634258.549	7105674.894	760.7999878	50
RC94-1030	634297.873	7105602.61	745.4000244	60
RC94-1031	633878.713	7105463.562	809.9000244	65
RC94-1032	634889.474	7105851.91	815.0999756	22

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC94-1033	634857.953	7105864.965	817.5999756	20
RC94-1034	634876.079	7105875.154	821.2999878	20
RC94-1035	634956.235	7105868.998	824	45
RC94-1036	634210.114	7105610.463	751.5999756	66
RC94-1037	634980.077	7105906.17	833.5999756	44
RC94-1038	634147.586	7105608.5	754.2999878	56
RC94-1039	634876.477	7105831.973	805.2000122	18
RC94-1040	634063.181	7105609.971	775.7999878	50
RC94-1041	634828.165	7105801.831	796.2000122	50
RC94-1042	634839.878	7105782.808	789.5	55
RC94-1043	635723.758	7105885.221	814	60
RC94-1044	634856.704	7105804.093	797	40
RC94-1045	635734.478	7105904.108	818.5	40
RC94-1046	634899.874	7105789.893	796.7999878	32
RC94-1047	635748.625	7105928.939	823	40
RC94-1048	634870.267	7105780.14	792.0999756	50
RC94-1049	635606.865	7105876.353	802.4000244	54.5
RC94-1050	635570.655	7105889.184	803.5	50
RC94-1051	635390.924	7105975.897	821.7000122	30
RC94-1052	634912.419	7105767.549	790.5	40
RC94-1053	634944.692	7105710.478	774.0999756	46
RC94-1054	635245.689	7105863.139	794.0999756	35
RC94-1055	634904.56	7105719.267	772.5	50
RC94-1056	634862.899	7105740.172	776.2999878	60
RC94-1057	635016.777	7105932.081	836.4000244	42
RC94-1058	634979.968	7105994.985	848.5	30
RC94-1059	634966.284	7106017.723	852.7000122	30
RC94-1060	634952.84	7106041.054	853.9000244	20
RC94-1061	634978.758	7106037.365	855.0999756	18
RC94-1062	634987.557	7106067.229	858.5	22
RC94-1063	634091.67	7105650.099	769.7999878	31
RC94-1064	633826.989	7105499.939	824.4000244	40
RC94-1065	633812.432	7105460.523	822.2000122	46
RC94-1066	633746.562	7105425.104	826.5	60
RC94-1067	633499.814	7105448.424	847.7999878	28
RC94-1068	633304.233	7105381.43	834.2999878	66
RC94-1069	633347.936	7105403.24	840.7999878	62
RC94-1070	633448.187	7105432.15	845.9000244	38
RC94-1071	633390.506	7105428.088	845	22

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC94-1072	633377.929	7105452.94	849	38
RC94-1073	633168.278	7105318.097	817.4000244	37
RC94-1074	633221.118	7105330.576	821.2999878	54
RC94-1075	633189.96	7105324.199	818.2999878	38
RC94-1076	633178.771	7105347.19	821.7999878	36
RC94-1077	633158.167	7105339.168	817.7000122	36
RC94-1078	633134.692	7105326.662	813.4000244	35
RC94-1079	633094.339	7105350.139	815.2000122	30
RC94-1080	633104.139	7105327.171	811.0999756	30
RC94-1081	631072.956	7105816.532	774.7000122	50
RC94-1082	634375.677	7106669.804	937.0999756	66
RC94-1083	634348.201	7106719.352	931.2000122	40
RC95-1084	631086.101	7105792.917	777.0999756	60
RC95-1085	631012.27	7105817.211	768	30
RC95-1086	631024.968	7105795.412	772	50
RC95-1087	631124.419	7105825.135	777.0999756	45
RC95-1088	631136.605	7105802.819	778.5999756	65
RC95-1089	631173.893	7105835.032	778.2999878	66
RC95-1090	631184.63	7105811.213	779	81
RC95-1091	630245.225	7105420.949	668.5	39
RC95-1092	630232.01	7105441.423	674	34
RC95-1093	635510.37	7106202.994	947.7000122	17
RC95-1094	635501.25	7106175.132	936.2999878	26
RC95-1095	635462.229	7106185.005	937.2999878	38
RC95-1096	635534.769	7106160.559	934.7000122	47
RC95-1097	635474.322	7106163.67	931.7000122	32
RC95-1098	635534.862	7106210.217	951.7999878	20
RC95-1099	635561.276	7106208.3	951.0999756	26
RC95-1100	635631.753	7106241.027	958.7999878	24
RC95-1101	635609.565	7106233.377	960.9000244	20
RC95-1102	635585.708	7106208.483	952.7999878	24
RC95-1103	635660.982	7106233.687	947.0999756	26
RC95-1104	635671.883	7106213.864	936.2999878	24
RC95-1105	635571.18	7106189.638	943.5	24
RC95-1106	635584.281	7106166.918	937.5	46
RC95-1107	635522.752	7106180.329	940.5999756	27
RC95-1108	635642.742	7106176.125	935.9000244	34
RC95-1109	635659.632	7106190.557	932.7000122	50
RC95-1110	635566.525	7106150.966	930.7000122	54

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC95-1111	635594.387	7106146.877	927.2000122	46
RC95-1112	635620.551	7106146.427	922.5	38
RC95-1113	635665.06	7106171.906	925	34
RC95-1114	635685.867	7106191.41	919.5999756	36
RC95-1115	635710.932	7106208.026	913.2000122	26
RC95-1116	635719.159	7106192.556	905.0999756	40
RC95-1117	635743.352	7106195.82	895.9000244	30
RC95-1118	635485.136	7106143.797	920.5999756	46
RC95-1119	635521.483	7106140.115	920.2000122	40
RC95-1120	635546.721	7106140.293	924.5	50
RC95-1121	635496.26	7106123.985	910.9000244	21
RC95-1122	635586.878	7106115.327	910.5	46
RC95-1123	634968.968	7106052.761	856.5999756	22
RC95-1124	634922.911	7105969.802	846.0999756	36
RC95-1125	634891.865	7105950.972	841.2999878	30
RC95-1126	634922.395	7105938.049	839.2999878	36
RC95-1127	634829.491	7105958.741	836	48
RC95-1128	634811.623	7106011.393	837.7999878	26
RC95-1129	634856.184	7106015.543	843.9000244	16
RC95-1130	634891.977	7106026.937	849.5	22
RC95-1131	634940.108	7105904.256	830.7000122	28
RC95-1132	634912.769	7105867.186	821.5999756	27.5
RC95-1133	634879.337	7105889.157	824	14
RC95-1134	634847.53	7105882.302	820.7000122	24
RC95-1135	634902.651	7105831.299	808.2000122	22
RC95-1136	634918.743	7105819.791	806.7000122	31
RC95-1137	634934.346	7105773.215	794.7999878	20
RC95-1138	634884.229	7105758.133	783.7999878	46
RC95-1139	634920.87	7105748.415	785	25
RC95-1140	634968.353	7105732.046	782.7999878	20
RC95-1141	634933.41	7105728.939	777.0999756	22
RC95-1142	634896.861	7105734.001	774.2000122	50
RC95-1143	634955.664	7105690.12	765.9000244	28
RC95-1144	634919.284	7105696.311	761.0999756	60
RC95-1145	634887.495	7105697.388	760.5	52
RC95-1146	635312.619	7105926.483	805.7000122	46
RC95-1147	635298.708	7105912.462	801.5999756	40
RC95-1148	635274.755	7105953.082	812.4000244	32
RC95-1149	635234.488	7105884.516	800.7999878	30

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC95-1150	635263.085	7105875.444	797.7999878	30
RC95-1151	635330.73	7105804.382	790.7000122	28.5
RC95-1152	635266.296	7105761.502	783.5	36
RC95-1153	635196.882	7105739.133	773.9000244	54
RC95-1154	635236.621	7105721.856	773.4000244	48
RC95-1155	635209.094	7105709.827	765.5999756	48
RC95-1156	635142.143	7105744.534	777.2999878	26
RC95-1157	635146.233	7105695.39	762	23.4
RC95-1158	635221.159	7105769.2	780.7000122	41
RC95-1159	635004.562	7105894.212	828.7000122	52
RC95-1160	635467.537	7106123.685	910.7000122	38
RC95-1161	635458.956	7106139.99	915.9000244	40
RC95-1162	635431.538	7106129.401	910.4000244	40
RC95-1163	635421.1	7106147.991	915.4000244	40
RC95-1164	635395.269	7106144.38	911.2000122	46.3
RC95-1165	635377.594	7106129.507	906.2000122	42
RC95-1166	635340.066	7106149.176	911.4000244	31.5
RC95-1167	635410.983	7106164.581	921.5	36
RC95-1168	635351.283	7106177.183	922.5999756	26
RC95-1169	635400.534	7106183.395	928	38
RC95-1170	631360.619	7106051.952	690.4000244	52
RC95-1171	630296.356	7105348.872	651.0999756	50
RC95-1172	629994.581	7105290.506	689.9000244	70
RC95-1173	629779.344	7105163.776	632.0999756	50
RC95-1174	635088.989	7107156.662	972.2000122	62
RC95-1175	635151.716	7107185.836	967.2000122	50
RC95-1176	635166.947	7107162.59	980.4000244	62
RC95-1177	635085.087	7107084.997	973.5	59
RC95-1178	635070.733	7107104.028	964.9000244	50
RC95-1179	635358.091	7106218.558	935.0999756	20
RC95-1180	635390.352	7106203.164	934.0999756	28
RC95-1181	635379.168	7106223.287	939.2000122	22
RC95-1182	635430.864	7106186.55	932.5999756	23
RC95-1183	635442.026	7106165.037	927.5	32
RC95-1184	635948.94	7106239.273	931.9000244	48
RC95-1185	635960.859	7106217.84	928.0999756	56
RC95-1186	635915.925	7106193.731	912.5	48
RC95-1187	635956.965	7106172.706	914.2000122	66
RC95-1188	635986.151	7106218.738	934.0999756	62

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC95-1189	635996.389	7106254.003	945.9000244	68
RC95-1190	636164.961	7106178.586	929	62
RC95-1191	636124.084	7106192.583	934	74
RC95-1192	636100.855	7106185.152	929.2000122	41
RC95-1193	636041.202	7106226.258	940.7000122	41
RC95-1194	636016.977	7106266.954	954	52
RC95-1195	636068.702	7106245.276	953.7000122	46
RC95-1196	636081.384	7106222.894	943.9000244	38
RC95-1197	636111.174	7106219.66	947.5	53
RC95-1198	636061.406	7106356.692	1002.5	50
RC95-1199	636049.128	7106378.152	1001.900024	32
RC95-1200	636042.18	7106392.16	1002.200012	52
RC95-1201	636071.427	7106445.23	1024.800049	36
RC95-1202	636084.26	7106464.845	1033.699951	36
RC95-1203	636110.799	7106461.276	1040.300049	50
RC95-1204	636112.813	7106496.282	1049.599976	42
RC95-1205	636145.342	7106485.516	1048.300049	38
RC95-1206	636173.536	7106481.04	1045.900024	54
RC95-1207	636141.634	7106447.605	1040.199951	62
RC95-1208	636185.384	7106458.304	1039.300049	56
RC95-1209	636165.069	7106445.277	1036.900024	64
RC95-1210	636109.259	7106421.139	1029.099976	74
RC95-1211	636122.495	7106436.158	1035.699951	78
RC95-1212	636194.667	7106388.884	1014.700012	72
RC95-1213	636062.366	7106411.544	1013.5	64
RC95-1214	636028.507	7106365.872	991.9000244	70
RC95-1215	636012.956	7106392.956	989.7999878	48
RC95-1216	636023.84	7106320.073	979.2999878	53
RC95-1217	635986.163	7106321.63	966.9000244	54
RC95-1218	636007.106	7106292.294	964.5999756	50
RC95-1219	636090.108	7106404.403	1021.400024	68
RC95-1220	636183.382	7106329.145	994.7999878	38
RC95-1221	636196.383	7106340.702	995.5	44
RC95-1222	636116.408	7106317.335	994.0999756	46
RC95-1223	636261.36	7106323.602	967.5999756	32
RC95-1224	636222.026	7106266.24	956.7999878	36
RC95-1225	636232.767	7106279.168	958	40
RC95-1226	636290.377	7106323.378	963.5999756	43
RC95-1227	636575.065	7106503.043	1004.799988	53

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC95-1228	636518.533	7106498.364	996.0999756	42
RC95-1229	636419.347	7106451.222	989.5	52
RC95-1230	636407.901	7106471.198	1001.200012	40
RC95-1231	636379.471	7106419.736	979.5999756	20
RC95-1232	633734.382	7105450.064	833.2999878	44
RC95-1233	633758.868	7105450.968	830.5999756	40
RC95-1234	633777.529	7105475.926	831.2999878	52
RC95-1235	633803.693	7105480.988	826.7999878	46
RC95-1236	634795.171	7105974.127	833	30.5
RC95-1237	634808.914	7105952.916	833	50
RC95-1238	634814.381	7105985.041	836.5	36
RC95-1239	634838.15	7106004.373	840.9000244	24
RC95-1240	634874.997	7105941.606	837.5999756	40
RC95-1241	634842.477	7105935.612	834.2000122	64.5
RC95-1242	634863.871	7105899.755	825.5	32
RC95-1243	634837.876	7105899.496	822.5999756	28
RC95-1244	634900.353	7105885.01	822.7000122	34
RC95-1245	634930.447	7105956.584	842.7999878	40
RC95-1246	634946.717	7105931.282	839.4000244	52
RC95-1247	634931.187	7105674.294	754.5	36
RC95-1248	634964.768	7105668.598	756.2999878	36
RC95-1249	634975.756	7105650.66	751.7999878	60
RC95-1250	634945.427	7105750.621	785.2000122	40
RC95-1251	634967.06	7105754.973	790.0999756	30
RC95-1252	635269.054	7105921.17	803.2999878	66
RC95-1253	635305.362	7105904.49	801.7000122	66
RC95-1254	635244.797	7105919.247	803.0999756	66
RC95-1255	635323.698	7106127.688	901.0999756	50
RC95-1256	635349.312	7106133.934	905	44
RC95-1257	635267.364	7106184.324	910.5	17
RC95-1258	635281.163	7105795.466	788.5999756	80
RC95-1259	635257.274	7106199.436	910.0999756	29
RC95-1260	635364.733	7106109.532	897.2999878	50
RC95-1261	635388.201	7106110.207	895.5	42
RC95-1262	635351.809	7105921.413	805.4000244	32
RC95-1263	635423.562	7106100.114	892.9000244	26
RC95-1264	634736.428	7105692.62	803.7000122	100
RC95-1265	635450.351	7106096.915	894.2999878	34
RC95-1266	634637.406	7105561.057	783.2999878	100

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC95-1267	635437.011	7106119.042	902.5	42
RC95-1268	634546.769	7105451.316	765.7999878	100
RC95-1269	635310.515	7106149.329	907.2999878	39
RC95-1270	634942.691	7106058.314	856.7999878	18
RC95-1271	634964.862	7105960.428	848.4000244	38
RC95-1272	634827.962	7105923.893	828.2000122	48
RC95-1273	634977.282	7105939.736	840.7000122	44
RC95-1274	636106.692	7102904.59	926.2000122	150
RC95-1275	630973.114	7105791.182	766.2999878	60
RC95-1276	636039.164	7102994.435	936.9000244	169
RC95-1277	631219.7	7105878.006	775.7999878	60
RC95-1278	635808.074	7103114.63	870.7999878	150
RC95-1279	631233.913	7105858.207	776.5	90
RC95-1280	634980.252	7106935.813	1010.299988	90
RC95-1281	631067.075	7105770.854	776.4000244	84
RC95-1282	636375.375	7107390.827	1160.699951	92
RC95-1283	634958.02	7106977.859	984.7999878	72
RC95-1284	636479.358	7107387.157	1149.099976	40
RC95-1285	635126.799	7107087.891	993.0999756	79
RC95-1286	636480.115	7107381.726	1149.400024	98
RC95-1287	635183.39	7107131.874	998.2000122	80
RC95-1288	636473.466	7106686.036	1057.5	42
RC95-1289	635552.37	7107273.718	1078.800049	64
RC95-1290	636487.552	7106660.54	1057.300049	58
RC95-1291	635566.544	7107248.27	1093.900024	76
RC95-1292	636501.943	7106636.133	1053.300049	64
RC95-1293	636292.009	7106586.333	1062.099976	26
RC95-1294	636492.49	7106601.309	1050.400024	40
RC95-1295	636215.511	7106532.882	1058.400024	46
RC95-1296	636515.715	7106711.049	1039.800049	49
RC95-1297	636348.681	7106582.593	1054.599976	40
RC95-1298	636548.081	7106660.346	1041.300049	60
RC95-1299	636341.308	7106541.818	1036.599976	42
RC95-1300	636236.577	7106494.545	1041.900024	66
RC95-1301	636254.754	7106513.833	1042.300049	48
RC95-1302	636590.079	7106585.546	1031.199951	66
RC95-1303	636462.552	7106599.293	1050.400024	40
RC95-1304	636585.842	7106683.754	1023	42
RC95-1305	636686.261	7106558.199	1008.799988	64

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC95-1306	636648.346	7106667.79	1011.900024	50
RC95-1307	636766.765	7106550.402	991.7999878	42
RC95-1308	636745.001	7106492.581	988.5999756	42
RC95-1309	636832.728	7106675.094	967.7999878	30
RC95-1310	636782.988	7106579.501	989.7999878	46
RC95-1311	636806.009	7106581.992	984.7999878	42
RC95-1312	636725.247	7106485.496	989.0999756	42
RC95-1313	636650.192	7106476.032	989	50
RC95-1314	636598.701	7106457.882	981.0999756	44
RC95-1315	636559.981	7106424.748	968	36
RC95-1316	636537.971	7106414.328	968.0999756	46
RC95-1317	636489.154	7106438.79	973.7999878	50
RC95-1318	636390.383	7106399.689	969.7000122	40
RC95-1319	636346.252	7106348.012	962	54
RC95-1320	636690.121	7106692.421	992.7000122	38
RC95-1321	636757.117	7106664.169	987.5999756	36
RC95-1322	636719.829	7106538.027	999.9000244	56
RC95-1323	636878.421	7106672.532	959.7999878	26
RC95-1324	636634.394	7106445.564	979.5	60
RC95-1325	636431.517	7106431.997	976.4000244	50
RC95-1326	636405.308	7106375.353	962.9000244	62
RC95-1327	636378.353	7106356.181	960.2999878	78
RC95-1328	636321.052	7106391.261	978	72
RC95-1329	636339.192	7106426.949	988.5	56
RC95-1330	636377.467	7106418.609	979.7000122	50
RC95-1331	636243.69	7106305.862	963.5999756	50
RC95-1332	636199.275	7106299.612	978.7999878	36
RC95-1333	636151.049	7106298.11	987.0999756	59
RC95-1334	636181.269	7106286.964	978.9000244	42
RC95-1335	634842.38	7106037.065	843.0999756	44
RC95-1336	635299.447	7105946.063	812.0999756	34
RC95-1337	635131.579	7105762.94	785.2000122	42
RC95-1338	635097.759	7105721.078	772.7000122	26
RC95-1339	634923.13	7105792.171	800.2000122	26
RC95-1340	634980.972	7105687.926	765.2000122	36
RC95-1341	635174.923	7105739.65	774.7999878	40
RC95-1342	634992.902	7105713.234	775.5999756	26
RC95-1343	635128.524	7105717.128	767.5	38
RC95-1344	635116.872	7105739.515	779	25

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC95-1345	635105.421	7105760.522	788.2000122	25
RC95-1346	634970.899	7105709.134	773.5999756	20
RC95-1347	634925.636	7105846.516	815.7000122	32
RC95-1348	634949.305	7105847.649	817	18
RC95-1349	634991.287	7105916.834	834.2999878	50
RC95-1350	635030.504	7105906.612	830.2000122	50
RC95-1351	635021.87	7105889.932	827.9000244	30
RC95-1352	634984.636	7105862.112	820.7999878	30
RC95-1353	634668.566	7105862.082	811.0999756	64
RC95-1354	632730.937	7105077.886	841.9000244	78
RC95-1355	634651.904	7105891.757	806.7999878	34
RC95-1356	634638.765	7105863.702	803.5	60
RC95-1357	632157.284	7103962.08	693.5999756	125
RC95-1358	634620.437	7105896.345	797.7000122	44
RC95-1359	634684.221	7105886.269	813	60
RC95-1360	632080.282	7105892.455	775.5999756	70
RC95-1361	632056.954	7105921.139	777	58
RC95-1362	631898.539	7106002.151	782.9000244	48
RC95-1363	631932.522	7105939.38	781.5	56
RC95-1364	631874.129	7106042.972	780.7000122	62
RC95-1365	631809.298	7105956.694	773.2000122	64
RC95-1366	631788.814	7105991.34	770.2000122	36
RC95-1367	631745.71	7105966.422	763.4000244	48
RC95-1368	631765.791	7105932.697	768.7000122	66.5
RC95-1369	631780.728	7105909.975	771.5	70
RC95-1370	632555.667	7103717.292	741	78
RC95-1371	633282.948	7105135.102	754.5	49
RC95-1372	631686.328	7105951.3	747.2000122	45
RC95-1373	631722.5	7105893.206	762.0999756	28
RC95-1374	631739.752	7105873.507	765.2000122	60
RC95-1375	634134.044	7105628.332	757.5999756	40
RC95-1376	634085.054	7105614.917	770.0999756	49.5
RC95-1377	634072.204	7105638.008	776.9000244	40
RC95-1378	634059.277	7105660.827	782.7999878	30
RC95-1379	634046.988	7105682.511	788.2999878	24
RC95-1380	634022.359	7105630.2	791.7999878	36
RC95-1381	634037.582	7105546.321	776.7000122	32
RC95-1382	634035.24	7105499.647	775.5999756	50
RC95-1383	634070.852	7105488.087	770.7000122	26

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC95-1384	633931.757	7105637.603	816.5	24
RC95-1385	633885.084	7105502.855	815.5	60
RC95-1386	633908.32	7105616.046	821.4000244	30
RC95-1387	634668.093	7105914.177	810.5	62
RC95-1388	634697.421	7105912.176	815.2000122	58
RC95-1389	634681.668	7105940.64	813.7000122	56
RC95-1390	634702.278	7105951.306	817.5999756	58
RC95-1391	634724.951	7105915.824	819.5	48.6
RC95-1392	634759.471	7105929.487	824.9000244	63.5
RC95-1393	631199.604	7105788.627	779.2000122	107
RC95-1394	631149.863	7105781.45	778.5	93
RC95-1395	631099.578	7105770.752	778.0999756	84
RC95-1396	631248.44	7105833.762	778.0999756	86
RC95-1397	631306.829	7105877.606	770.0999756	66
RC95-1398	631320.926	7105902.525	765.5	58
RC95-1399	630937.067	7105753.695	762.0999756	47
RC95-1400	632270.371	7104491.275	774.5	5
RC96-1401	635896.621	7106172.775	902.9000244	60
RC96-1402	635943.711	7106194.882	918.5999756	56
RC96-1403	635980.2	7106231.583	937.5	70
RC96-1404	635958.932	7106320.102	958.7999878	60
RC96-1405	636139.282	7106218.809	947.2000122	70
RC96-1406	636211.129	7106322.811	982.2000122	46
RC96-1407	636296.474	7106351.724	970.4000244	60
RC96-1408	636313.996	7106364.214	970.7999878	60
RC96-1409	636372.726	7106396.423	969.9000244	80
RC96-1410	636232.42	7106244.869	946.2999878	56
RC96-1411	636247.279	7106259.652	946.9000244	48
RC96-1412	636357.353	7106456.679	997.5	54
RC96-1413	636453.914	7106500.738	1005.400024	42
RC96-1414	636398.4	7106488.938	1011.099976	44
RC96-1415	636536.191	7106465.689	985	34
RC96-1416	636611.492	7106435.102	973.5	56
RC96-1417	636502.658	7106415.147	968.9000244	66
RC96-1418	636442.63	7106408.733	967.5	72
RC96-1419	636691.602	7106498.046	992.0999756	72
RC96-1420	636732.755	7106515.208	994.0999756	56
RC96-1421	636782.666	7106529.025	986.9000244	62
RC96-1422	636840.747	7106510.116	974.7999878	56

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC96-1423	636744.942	7106688.1	984.5	30
RC96-1424	636679.171	7106712.332	993.2999878	40
RC96-1425	636770.179	7106635.8	989.9000244	64
RC96-1426	636793.692	7106599.641	987	40
RC96-1427	636817.154	7106558.057	980.5	60
RC96-1428	636706.799	7106562.05	1005.099976	56
RC96-1429	636724.257	7106585.069	1003	46
RC96-1430	636756.785	7106574.302	996.0999756	50
RC96-1431	636707.873	7106662.439	999	58
RC96-1432	636633.846	7106690.757	1008.700012	44
RC96-1433	636663.75	7106639.13	1013.799988	86
RC96-1434	636659.198	7106503.486	996.7000122	54
RC96-1435	636641.115	7106494.24	996.2000122	58
RC96-1436	636589.02	7106474.716	990.5	36
RC96-1437	636561.299	7106474.061	990.2999878	34
RC96-1438	636667.469	7106539.598	1010.099976	50
RC96-1439	636633.721	7106600.318	1023	60
RC96-1440	636601.655	7106656.816	1028.300049	56
RC96-1441	636597.439	7106561.206	1026.900024	50
RC96-1442	636586.294	7106632.105	1033.900024	66
RC96-1443	636536.004	7106682.264	1038.699951	56
RC96-1444	636452.691	7106615.222	1056.300049	40
RC96-1445	636178.593	7106552.894	1063	40
RC96-1446	636192.958	7106533.64	1062.599976	56
RC96-1447	636339.081	7106596.832	1061.400024	44
RC96-1448	636303.977	7106564.812	1051.300049	50
RC96-1449	636128.718	7106470.2	1044.099976	50
RC96-1450	636195.707	7106431.955	1031.099976	62
RC96-1451	636225.77	7106475.609	1037.099976	64
RC96-1452	636298.336	7106528.916	1035.300049	56
RC96-1453	636187.257	7106358.998	1003.900024	44
RC96-1454	635885.301	7106145.972	892.7999878	50
RC96-1455	635907.343	7106153.884	902.5	38
RC96-1456	635904.654	7106213.805	908.2999878	22
RC96-1457	635931.172	7106218.032	920.4000244	56
RC96-1458	635972.153	7106253.47	942.7000122	38
RC96-1459	636018.92	7106214.078	935.7000122	58
RC96-1460	635997.962	7106201.378	931.5	48
RC96-1461	636081.463	7106153.123	912.0999756	58

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC96-1462	635944.84	7106294.153	944.0999756	55
RC96-1463	636006.756	7106235.947	944	62
RC96-1464	635968.118	7106305.171	959.0999756	50
RC96-1465	636089.873	7106256.373	961.2999878	70
RC96-1466	636054.665	7106268.848	960.2999878	72
RC96-1467	636191.865	7106313.015	982.9000244	36
RC96-1468	636219.133	7106307.33	972.0999756	36
RC96-1469	636203.746	7106291.446	971.5999756	8
RC96-1470	636246.744	7106342.486	976.7999878	60
RC96-1471	636194.844	7106268.3	962.7000122	44
RC96-1472	636228.471	7106291.106	962.5999756	37
RC96-1473	636287.8	7106363.498	975.7000122	50
RC96-1474	636572.787	7106402.551	965.4000244	60
RC96-1475	636594.416	7106418.958	969.2999878	23
RC96-1476	636625.388	7106410.761	969.0999756	64.3
RC96-1477	636759.589	7106467.825	984.4000244	54
RC96-1478	636795.26	7106504.757	981	76
RC96-1479	636819.469	7106506.767	977.5999756	66
RC96-1480	636888.099	7106575.66	964.7000122	62
RC96-1481	636876.533	7106596.258	965.0999756	46
RC96-1482	636677.635	7106470.444	987	40
RC96-1483	636515.345	7106391.735	964.0999756	42
RC96-1484	636455.861	7106385.167	959.9000244	90
RC96-1485	636468.5	7106416.156	969.2999878	60
RC96-1486	636598.864	7106355.087	957.9000244	100
RC96-1487	636272.396	7106300.066	957.5	50
RC96-1488	636454.635	7106287.908	937.7000122	44
RC96-1489	636311.215	7106235.421	932.9000244	94
RC96-1490	636783.699	7106424.883	981	90
RC96-1491	636418.235	7106350.697	953.2000122	66
RC96-1492	636387.421	7106405.373	970.5999756	44
RC96-1493	636740.505	7106648.63	992	46
RC96-1494	636620.957	7106715.549	1002.5	40
RC96-1495	636619.455	7106624.909	1026.099976	32
RC96-1496	636599.482	7106609.434	1030.599976	46
RC96-1497	636506.774	7106729.218	1037.5	22
RC96-1498	636477.039	7106735.009	1045.699951	39
RC96-1499	636462.227	7106703.603	1056.199951	36
RC96-1500	636515.447	7106610.653	1048.5	90

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC96-1501	636570.063	7106666.731	1032.300049	52
RC96-1502	636573.809	7106706.615	1015.799988	24
RC96-1503	636644.006	7106716.563	998.5999756	40
RC96-1504	636472.097	7106580.659	1038.800049	54
RC96-1505	636440.608	7106636.334	1061.800049	40
RC96-1506	636372.04	7106583.666	1054.300049	42
RC96-1507	636313.794	7106546.102	1041.400024	56
RC96-1508	636320.828	7106573.596	1051.400024	40
RC96-1509	636263.902	7106545.73	1047.099976	62
RC96-1510	636281.625	7106603.806	1067.699951	36
RC96-1511	636243.711	7106581.69	1065.099976	42
RC96-1512	636297.997	7106615.076	1068.400024	34
RC96-1513	636278.189	7106567.656	1053.800049	45
RC96-1514	636253.567	7106563.116	1055.699951	50
RC96-1515	636240.961	7106536.969	1054.800049	48
RC96-1516	636197.565	7106483.983	1043.5	28
RC96-1517	636103.382	7106513.487	1050.5	24
RC96-1518	636153.553	7106424.335	1033.599976	74
RC96-1519	636064.974	7106500.624	1032.699951	24
RC96-1520	636155.388	7106377.369	1015.200012	44
RC96-1521	636178.753	7106379.249	1013.299988	42
RC96-1522	636105.796	7106384.629	1017.400024	42
RC96-1523	636044.224	7106451.411	1011	30
RC96-1524	636355.868	7106563.667	1048	50
RC96-1525	636679.388	7106651.709	1006	52
RC96-1526	636562.701	7106634.919	1040.199951	66
RC96-1527	636574.885	7106552.777	1026.199951	60
RC96-1528	636649.452	7106626.615	1019.200012	36
RC96-1529	636676.312	7106574.08	1011.299988	46
RC96-1530	636695.838	7106580.347	1008.200012	46
RC96-1531	636654.058	7106560.421	1015.400024	40
RC96-1532	636638.626	7106539.92	1014.200012	52
RC96-1533	636595.762	7106513.758	1010.700012	62
RC96-1534	636633.939	7106507.43	1003.400024	52
RC96-1535	636512.985	7106515.8	1008.400024	52
RC96-1536	636529.096	7106479.959	988.5999756	52
RC96-1537	636410.051	7106410.4	970.9000244	48
RC96-1538	636392.643	7106441.608	988.2000122	46
RC96-1539	636372.605	7106431.148	987.2000122	56

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC96-1540	636350.473	7106438.917	988.5999756	66
RC96-1541	636316.11	7106415.582	986.5	56
RC96-1542	636381.551	7106462.587	998	40
RC96-1543	636305.192	7106431.147	997.5999756	54
RC96-1544	636304.756	7106378.426	975.5999756	66
RC96-1545	635923.771	7106128.096	898.2000122	59
RC96-1546	635899.61	7106118.649	891.5999756	64
RC96-1547	635871.818	7106118.528	885.7000122	56
RC96-1548	636031.504	7106191.87	926.7999878	52
RC96-1549	635973.354	7106417.545	978.0999756	32
RC96-1550	635963.958	7106362.199	965.9000244	34
RC96-1551	636387.673	7106369.803	961.7000122	91
RC96-1552	636358.487	7106415.863	979	70
RC96-1553	636316.34	7106470.713	1007.700012	60
RC96-1554	636349.153	7106474.346	1009	40
RC96-1555	636363.491	7106499.859	1017.099976	50
RC96-1556	636288.291	7106460.229	1013.799988	60
RC96-1557	636271.437	7106434.909	1010.900024	60
RC96-1558	636166.093	7106401.184	1024.699951	70
RC96-1559	636238.413	7106453.09	1027.400024	66
RC96-1560	636215.985	7106491.811	1043.800049	56
RC96-1561	636202.726	7106516.854	1056.599976	58
RC96-1562	636721.627	7106637.33	998.7999878	70
RC96-1563	636708.357	7106705.887	987.5	36
RC96-1564	636669.038	7106730.175	997.2999878	18
RC96-1565	631686.345	7105908.593	745.5	80
RC96-1566	631711.077	7105920.084	759.0999756	72
RC96-1567	631837.825	7105953.668	775.9000244	52
RC96-1568	631860.825	7105962.119	777.2000122	80
RC96-1569	631878.838	7105982.923	780.0999756	50
RC96-1570	631947.028	7105917.22	772.2999878	54
RC96-1571	631964.191	7105935.25	772.0999756	74
RC96-1572	631980.956	7105951.334	772.7000122	76
RC96-1573	632107.563	7105899.407	783.0999756	62
RC96-1574	631352.525	7105902.604	760.7000122	60
RC96-1575	631333.434	7105880.045	765.2000122	64
RC96-1576	631322.832	7105851.35	770.2999878	78
RC96-1577	631336.323	7105764.43	776.5	60
RC96-1578	630950.145	7105727.747	763.5	66

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC96-1579	630905.419	7105759.216	758.5999756	42
RC96-1580	631054.566	7105641.416	767.2000122	10
RC96-1581	634988.245	7105188.38	781.9000244	50
RC96-1582	634948.622	7105267.73	776.7999878	50
RC96-1583	636555.381	7107660.35	1133.800049	66
RC96-1584	636234.139	7106370.653	995.2999878	62
RC96-1585	636580.339	7107226.092	1110.300049	104
RC96-1586	636807.283	7106529.083	980.2000122	42
RC96-1587	636775.783	7106541.692	989.2999878	54
RC96-1588	636763.81	7106562.405	991.7999878	54
RC96-1589	636764.751	7106605.65	992.7000122	70
RC96-1590	636765.627	7106500.156	986.2000122	44
RC96-1591	636789.887	7106567.418	985.7000122	50
RC96-1592	636659.912	7106602.065	1015.099976	55
RC96-1593	636611.548	7106732.307	1006.099976	40
RC96-1594	636597.43	7106717.022	1007.200012	36
RC96-1595	636652.293	7106516.599	1005	50
RC96-1596	636727.713	7106526.842	995.5	30
RC96-1597	636740.357	7106504.324	990.5999756	48
RC96-1598	636472.09	7106471.224	985	49
RC96-1599	636482.98	7106449.787	978	54
RC96-1600	631720.258	7105951.311	758.2999878	58
RC96-1601	631735.842	7105927.23	763.2000122	82
RC96-1602	631777.319	7105962.602	768.5999756	60
RC96-1603	631913.116	7105975.781	782.7999878	58
RC96-1604	631825.029	7105928.677	774	88
RC96-1605	631794.144	7105933.248	771.7000122	77
RC96-1606	631818.903	7105984.714	774.0999756	43
RC96-1607	631840.041	7105998.319	776.5	40
RC96-1608	632226.636	7104006.002	740.5999756	9
RC96-1609	631859.878	7106015.671	778.5	26
RC96-1610	631668.909	7105935.767	742.7999878	44
RC96-1611	631646.366	7105927.114	732.5999756	74
RC96-1612	631658.4	7105904.253	731.9000244	60
RC96-1613	631696.668	7105887.756	747.5999756	84
RC96-1614	631715.018	7105903.468	757.5	66
RC96-1615	631855.114	7105930.431	776.5	79
RC96-1616	631876.148	7105939.729	777.2999878	84
RC96-1617	631891.002	7105959.217	779.5999756	58

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC96-1618	631967.589	7105978.613	783.7000122	70
RC96-1619	632119.591	7105875.739	780.9000244	60
RC96-1620	632162.041	7105850.57	780.2000122	32
RC96-1621	632046.98	7105951.358	779.2999878	60
RC96-1622	631918.239	7105912.75	775.2000122	84
RC96-1623	631958.914	7105894.621	764	64
RC96-1624	631978.827	7105906.733	765.9000244	96
RC96-1625	637347.349	7107091.716	934.9000244	50
RC96-1626	637202.319	7106967.361	957.2999878	66
RC96-1627	637160.891	7106931.902	956	72
RC96-1628	637111.706	7106924.349	971.5	42
RC96-1629	637177.751	7107008.668	975.7999878	48
RC96-1630	637086.125	7106968.072	992.2999878	38
RC96-1631	637064.466	7106929.258	994.5999756	44
RC96-1632	637037.186	7106879.015	998.2999878	65
RC96-1633	637023.164	7106903.17	1004.799988	62
RC96-1634	637101.431	7106946.936	982.0999756	40
RC96-1635	637071.946	7106902.459	985.5999756	37
RC96-1636	636934.421	7106829.057	1011.799988	37
RC96-1637	636945.79	7106810.646	1004.900024	44
RC96-1638	636896.386	7106792.864	997.5999756	33
RC96-1639	636910.064	7106771.157	990.5999756	39
RC96-1640	636922.354	7106749.473	987.7000122	54
RC96-1641	636873.156	7106729.282	971.5	37
RC96-1642	636998.46	7106715.205	967	46
RC96-1643	637071.952	7106816.686	978	36
RC96-1644	637082.614	7106799.943	970.0999756	40
RC96-1645	637129.321	7106802.314	955.5999756	30
RC96-1646	637191.097	7106987.349	962.7000122	38
RC96-1647	637144.85	7106777.514	944.9000244	40
RC96-1648	637155.915	7106759.849	935.9000244	42
RC96-1649	637190.503	7106987.589	962.5999756	60
RC96-1650	637170.958	7106810.447	934.7000122	30
RC96-1651	637184.304	7106789.127	926	36
RC96-1652	637229.351	7106806.296	907.5999756	36
RC96-1653	636968.669	7106664.125	954.2000122	55
RC96-1654	636897.486	7106606.314	959	55
RC96-1655	636864.608	7106660.174	961	40
RC96-1656	636819.388	7106652.093	974.2000122	40

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC96-1657	636854.497	7106587.316	970	54
RC96-1658	637344.282	7106661.226	924.9000244	82
RC96-1659	637446.2	7106694.517	899.2999878	94
RC96-1660	636468.842	7106637.506	1056.800049	40
RC96-1661	636483.631	7106662.01	1056.599976	44
RC96-1662	636513.421	7106660.613	1048.300049	44
RC96-1663	636567.971	7106665.555	1031.5	49
RC96-1664	636622.33	7106671.653	1014	40
RC96-1665	635452.438	7107224.433	1082	115
RC96-1666	635314.647	7107112.3	1046.199951	142
RC96-1667	631605.628	7105917.994	713.5	50
RC96-1668	631621.637	7105892.544	716.5	60
RC96-1669	632172.583	7105828.936	780.2000122	49
RC96-1670	632284.167	7105756.393	782	40
RC96-1671	632299.37	7105732.787	778.7999878	56
RC97-1672	632201.239	7105866.518	789.2999878	40
RC97-1673	632216.769	7105839.88	788.5999756	46
RC97-1674	632231.247	7105813.685	787.5	50
RC97-1675	632189.32	7105795.859	776.2999878	50
RC97-1676	632138.794	7105824.182	773	50
RC97-1677	631999.645	7106021.78	789.2999878	50
RC97-1678	631949.212	7106009.506	786.9000244	46
RC97-1679	632263.684	7105854.54	796.9000244	60
RC97-1680	632278.903	7105829.68	796.4000244	60
RC97-1681	632296.551	7105802.74	795.9000244	70
RC97-1682	635560.317	7107276.921	1078.599976	140
RC97-1683	635503.63	7107163.07	1111.900024	190
RC97-1684	635601.787	7107204.696	1124.400024	228
RC97-1685	637473.136	7106820.926	880.5999756	50
RC97-1686	637459.077	7106713.238	896.0999756	46
RC97-1687	637439.655	7106747.218	904.2999878	77
RC97-1688	637426.793	7106718.056	907.0999756	50
RC97-1689	637443.237	7106638.537	895.5	56
RC97-1690	637427.304	7106666.097	902.2999878	40
RC97-1691	637404.488	7106603.207	906.5	72
RC97-1692	637390.707	7106629.793	907.5999756	50
RC97-1693	637379.524	7106655.429	911.5999756	40
RC97-1694	637350.14	7106600.56	921.7000122	60
RC97-1695	637335.635	7106626.395	922.4000244	50

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC97-1696	637303.546	7106630.864	929.9000244	76
RC97-1697	637293.549	7106599.867	933.2999878	70
RC97-1698	637264.172	7106600.118	936.4000244	76
RC97-1699	637244.718	7106595.154	938.4000244	80
RC97-1700	637217.674	7106564.91	939.5999756	92
RC97-1701	637154.177	7106566.306	938.4000244	70
RC97-1702	637133.952	7106588.237	929.9000244	60
RC97-1703	637196.318	7106599.066	931.2000122	60
RC97-1704	637230.773	7106621.419	928.0999756	50
RC97-1705	637049.354	7106521.851	951.7000122	70
RC97-1706	637089.926	7106551.892	941.4000244	62
RC97-1707	637090.754	7106551.439	941.2999878	70
RC97-1708	637075.236	7106577.853	936.5999756	40
RC97-1709	637226.939	7106669.903	902.7999878	50
RC97-1710	637208.311	7106698.588	903.7999878	50
RC97-1711	637176.557	7106677.753	907.4000244	50
RC97-1712	637076.195	7106629.031	923.7000122	45
RC97-1713	637021.95	7106623.342	931.4000244	50
RC97-1714	637002.984	7106606.48	938.4000244	50
RC97-1715	637014.724	7106584.142	938.4000244	40
RC97-1716	637120.851	7106610.958	921	38
RC97-1717	637054.86	7106563.299	939.7000122	60
RC97-1718	637031.19	7106554.816	941.2999878	50
RC97-1719	636996.901	7106515.217	947.7000122	70
RC97-1720	636979.205	7106545.919	947.9000244	70
RC97-1721	636964.655	7106572.648	948.4000244	60
RC97-1722	636915.122	7106572.248	959.7999878	60
RC97-1723	636930.336	7106542.907	957.2999878	45
RC97-1724	636949.393	7106509.985	954.2999878	60
RC97-1725	637019.003	7106524.656	944.4000244	70
RC97-1726	636983.256	7106590.568	943	54
RC97-1727	636946.223	7106600.984	951.4000244	54
RC97-1728	636934.418	7106619.151	951.5999756	60
RC97-1729	636895.187	7106643.488	957.5	48
RC97-1730	636910.39	7106618.045	953.2999878	66
RC97-1731	636890.353	7106521.006	965.4000244	70
RC97-1732	636838.411	7106560.016	976.4000244	67
RC97-1733	636874.332	7106633.258	964.7999878	56
RC97-1734	633406.129	7105404.144	843.2000122	108

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC97-1735	633268.159	7105345.42	826.7999878	80
RC97-1736	632338.168	7105728.416	783.2000122	84
RC97-1737	632312.935	7105768.66	788.4000244	80
RC97-1738	632290.959	7105811.884	796.2999878	60
RC97-1739	632251.187	7105779.193	784.4000244	60
RC97-1740	636866.65	7106563.833	969.7000122	70
RC97-1741	636841.118	7106609.306	973.2000122	40
RC97-1742	636828.268	7106630.56	973.5999756	40
RC97-1743	636807.065	7106668.936	974.2000122	30
RC97-1744	636855.448	7106660.766	967.9000244	50
RC97-1745	636858.155	7106711.893	967.2999878	40
RC97-1746	636895.269	7106695.207	964.2000122	40
RC97-1747	636971.647	7106516.294	951	65
RC97-1748	637020.277	7106524.224	944.2000122	70
RC97-1749	636982.32	7106642.058	945	50
RC97-1750	636950.657	7106697.635	968.9000244	60
RC97-1751	637015.444	7106687.203	956.0999756	60
RC97-1752	637025.953	7106718.717	962.5999756	60
RC97-1753	637058.061	7106744.23	965.2999878	64
RC97-1754	637006.286	7106754.971	976.5	70
RC97-1755	636984.995	7106740.821	977.2000122	50
RC97-1756	636973.37	7106761.73	987.7999878	60
RC97-1757	636958.129	7106788.874	997.4000244	52
RC97-1758	637013.651	7106821.692	998.7000122	66
RC97-1759	637057.099	7106849.675	990.5999756	60
RC97-1760	637047.902	7106819.702	987.7999878	66
RC97-1761	637025.821	7106798.793	988.0999756	70
RC97-1762	636862.13	7106754.432	982.4000244	30
RC97-1763	637107.313	7106761.466	954.4000244	50
RC97-1764	637122.924	7106734.07	939.7999878	56
RC97-1765	637065.911	7106664.703	936.0999756	70
RC97-1766	637104.005	7106642.596	919.2999878	30
RC97-1767	637168.374	7107024.756	983.0999756	48
RC97-1768	637047.503	7106947.626	1004.900024	46
RC97-1769	635268.914	7107193.957	995.0999756	90
RC97-1770	635380.032	7107235.979	1038.300049	104
RC97-1771	635538.094	7107302.208	1060.599976	112
RC97-1772	635625.25	7107354.645	1063.800049	100
RC97-1773	635650.467	7107315.654	1084.699951	126

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC97-1774	635447.596	7106941.876	1027.099976	201
RC97-1775	637210.885	7107051.752	975.2000122	54
RC97-1776	637162.695	7106986.885	972.4000244	42
RC97-1777	637119.171	7106909.828	966.5999756	54
RC97-1778	637109.441	7106838.333	967.0999756	46
RC97-1779	637119.765	7106819.334	962.4000244	52
RC97-1780	637094.771	7106858.335	974	50
RC97-1781	637082.787	7106884.783	980.7000122	40
RC97-1782	637128.324	7106893.73	959	60
RC97-1783	637159.737	7106841.458	941.9000244	62
RC97-1784	637147.485	7106863.278	946	60
RC97-1785	637173.241	7106911.745	948	60
RC97-1786	637217.206	7106941.052	946	70
RC97-1787	637234.575	7106954.834	945.2000122	56
RC97-1788	637300.473	7107088.217	948.7000122	65
RC97-1789	637291.539	7107062.067	950.7999878	70
RC97-1790	637266.976	7107106.018	951.7000122	40
RC97-1791	637259.515	7107016.392	952.5999756	86
RC97-1792	637235.823	7107002.845	958	80
RC97-1793	637191.305	7106768.49	924	40
RC97-1794	637166.222	7106734.754	926.2999878	45
RC97-1795	637076.085	7106712.334	949.7999878	64
RC97-1796	636938.319	7106723.081	980.7999878	60
RC97-1797	637065.108	7106598.341	928.4000244	40
RC97-1798	637305.865	7106574.868	932.4000244	70
RC97-1799	637325.937	7106646.321	926.2000122	46
RC97-1800	637219.038	7106633.539	918.9000244	40
RC97-1801	637182.939	7106622.893	918.5999756	35
RC97-1802	637289.082	7107107.076	949.0999756	50
RC97-1803	637182.454	7106707.478	912.5	55
RC97-1804	636320.617	7106486.782	1024.199951	150
RC97-1805	636396.751	7106458.386	998.9000244	150
RC97-1806	637863.871	7107319.138	887.4000244	46
RC97-1807	637822.236	7107280.576	883.0999756	34
RC97-1808	637781.124	7107247.821	874	30
RC97-1809	637881.628	7107291.8	883.7000122	66
RC97-1810	637933.502	7107284.559	872.4000244	66
RC97-1811	637893.519	7107264.495	872.9000244	66
RC97-1812	638152.206	7107390.617	812.5	44

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC97-1813	638130.012	7107429.125	820.2000122	40
RC97-1814	638006.09	7107433.185	837.9000244	60
RC97-1815	637991.095	7107465.405	837.5	40
RC97-1816	638024.228	7107405.373	835.0999756	74
RC97-1817	638043.852	7107371.851	833.2000122	74
RC97-1818	638058.32	7107298.915	842.0999756	60
RC97-1819	638002.944	7107356.09	852.0999756	80
RC97-1820	637996.84	7107317.751	854.2999878	70
RC97-1821	638022.997	7107310.982	851.7999878	80
RC97-1822	638014.421	7107232.327	851.2999878	76
RC97-1823	637977.939	7107299.548	861.9000244	64
RC97-1824	637962.742	7107327.636	869.7000122	70
RC97-1825	637946.941	7107354.35	876.5	70
RC97-1826	637930.567	7107382.695	882	66
RC97-1827	637915.583	7107411.016	880	58
RC97-1828	637906.157	7107335.099	887.7999878	70
RC97-1829	637890.04	7107364.621	891.5999756	46
RC97-1830	637836.698	7107255.636	870	50
RC97-1831	637851.841	7107230.503	863.5999756	50
RC97-1832	637905.781	7107240.614	859.0999756	64
RC97-1833	637954.679	7107258.685	857.7000122	64
RC97-1834	637993.441	7107270.713	857.0999756	70
RC97-1835	637970.6	7107229.512	845.9000244	60
RC97-1836	637953.655	7107212.523	844.4000244	70
RC97-1837	637909.169	7107192.109	842.4000244	70
RC97-1838	637917.782	7107214.749	852.2000122	60
RC97-1839	637865.66	7107204.053	853.5	50
RC97-1840	637812.347	7107196.705	853.2000122	54
RC97-1841	637826.493	7107170.898	843.2000122	60
RC97-1842	637844.005	7107142.159	833.2999878	66
RC97-1843	637872.499	7107143.478	837.4000244	66
RC97-1844	637797.803	7107220.567	861.2000122	44
RC97-1845	637937.837	7107426.512	868.7999878	40
RC97-1846	637951.886	7107447.843	861	36
RC97-1847	637968.874	7107415.136	862.5	66
RC97-1848	637982.503	7107389.842	859.5	86
RC97-1849	638044.963	7107465.027	818.4000244	30
RC97-1850	638056.969	7107441.806	816	42
RC97-1851	638071.922	7107417.829	814.9000244	44

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC97-1852	638086.901	7107392.375	812.4000244	50
RC97-1853	638104.62	7107363.064	809.2999878	58
RC97-1854	638134.683	7107365.265	808.2999878	54
RC97-1855	638102.405	7107425.204	812.2999878	26
RC97-1856	637877.878	7107177.391	851.0999756	60
RC97-1857	637920.429	7107309.477	880.9000244	70
RC97-1858	630960.001	7105761.65	764.5999756	46
RC97-1859	630987.118	7105764.606	767.9000244	60
RC97-1860	630987.957	7105810.894	765.4000244	34
RC97-1861	631001.663	7105789.546	769	40
RC97-1862	630947.167	7105785.324	760.9000244	30
RC97-1863	630925.213	7105775.624	758.9000244	30
RC97-1864	631042.027	7105767.683	774.0999756	72
RC97-1865	631034.578	7105827.914	769.7000122	34
RC97-1866	631050.838	7105800.998	773.7000122	54
RC97-1867	631094.797	7105829.498	774.7000122	44
RC97-1868	631110.942	7105800.335	777.5	66
RC97-1869	631109.232	7105852.999	773.7000122	30
RC97-1870	631156.055	7105819.838	777.9000244	70
RC97-1871	631141.947	7105847.619	775.7000122	48
RC97-1872	631159.535	7105867.955	773.7999878	40
RC97-1873	631190.228	7105848.004	777.5999756	60
RC97-1874	631173.348	7105880.313	775.0999756	40
RC97-1875	631194.299	7105877.507	775.5999756	40
RC97-1876	631212.769	7105845.632	777.5999756	64
RC97-1877	631258.557	7105860.462	774.2999878	64
RC97-1878	631242.891	7105885.3	773.7999878	42
RC97-1879	631164.255	7105755.206	778.4000244	110
RC97-1880	631262.423	7105803.958	777.9000244	100
RC97-1881	631280.408	7105867.692	772.0999756	56
RC97-1882	631290.291	7105901.955	768.4000244	42
RC97-1883	631349.987	7105852.605	767	76
RC97-1884	631366.105	7105873.722	761.5	60
RC97-1885	631384.351	7105885.127	757.5999756	54
RC97-1886	631372.579	7105913.647	754.9000244	30
RC97-1887	631445.814	7105869.383	739	70
RC97-1888	631434.191	7105904.991	736.9000244	38
RC97-1889	632129.659	7105859.237	780	50
RC97-1890	632085.013	7105922.213	783.2999878	60

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC97-1891	632070.6	7105947.067	783.4000244	50
RC97-1892	632030.083	7105966.548	779.5	40
RC97-1893	632026.404	7105994.335	782.0999756	50
RC97-1894	632004.071	7105965.706	774.7999878	54
RC97-1895	632014.901	7105942.742	774	60
RC97-1896	631999.803	7105927.365	769.9000244	78
RC97-1897	631974.907	7106014.994	788.5999756	36
RC97-1898	631989.206	7105991.569	785.7000122	36
RC97-1899	631925.64	7106000.849	784.9000244	36
RC97-1900	631937.161	7105981.145	784.5	46
RC97-1901	631950.453	7105957.268	782.4000244	60
RC97-1902	631905.634	7105935.404	778.5999756	56
RC97-1903	631633.848	7105946.143	726.7000122	40
RC97-1904	631598.37	7105892.326	707.5	48
RC97-1905	631590.615	7105936.769	704.7000122	52
RC97-1906	636405.202	7106442.926	992.0999756	60
RC97-1907	636425.632	7106407.561	971.5	78
RC97-1908	636431.976	7106397.692	970.7000122	92
RC97-1909	636450.44	7106365.01	957.5999756	92
RC97-1910	638413.379	7107158.037	804.5	72
RC97-1911	638510.467	7107240.974	796	90
RC97-1912	638495.765	7107267.158	786.2999878	60
RC97-1913	638551.51	7107249.347	795.2000122	48
RC97-1914	638544.627	7107258.339	795.5	50
RC97-1915	638655.259	7107287.342	826.2000122	120
RC97-1916	638619.771	7107324.004	804.0999756	90
RC97-1917	638586.599	7107288.133	800.2999878	100
RC97-1918	636985.48	7106842.257	1003.700012	52
RC97-1919	636952.451	7106765.703	992.4000244	40
RC97-1920	636845.577	7106594.014	975.5	54
RC97-1921	637137.984	7106927.982	960.5999756	38
RC97-1922	637129.185	7106943.246	970.7999878	56
RC97-1923	637169.951	7106999.691	976	50
RC97-1924	637233.378	7107006.178	958.4000244	45
RC97-1925	637147.362	7106783.863	944.2000122	30
RC97-1926	637070.97	7106800.058	974.9000244	76
RC97-1927	637237.169	7107009.228	958.5	70
RC97-1928	636975.436	7106686.99	963.2999878	40
RC97-1929	637001.874	7106659.71	948.5	50

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC97-1930	634446.842	7106616.567	959.5999756	76
RC97-1931	634480.273	7106637.886	960.9000244	50
RC97-1932	634537.003	7106658.751	963.5999756	40
RC97-1933	634551.269	7106635.997	956.9000244	50
RC97-1934	634573.791	7106695.736	965.2000122	40
RC97-1935	634553.318	7106733.833	965.0999756	50
RC97-1936	634536.372	7106761.971	960.2000122	60
RC97-1937	634622.534	7106691.213	977.5	40
RC97-1938	634601.635	7106725.167	976.0999756	62
RC97-1939	634668.531	7106678.717	980.7999878	36
RC97-1940	634709.31	7106710.022	983.9000244	50
RC97-1941	634734.578	7106732.608	989.5999756	50
RC97-1942	634747.733	7106710.607	986.7999878	50
RC97-1943	634779.979	7106705.653	989.2000122	40
RC97-1944	634794.882	7106723.216	996.7999878	50
RC97-1945	634724.529	7106681.487	978.5999756	50
RC97-1946	634688.057	7106645.369	967.0999756	36
RC97-1947	634749.444	7106766.571	998.5999756	56
RC97-1948	632131.167	7105900.044	786.7999878	50
RC97-1949	632129.283	7105995.9	798.7000122	40
RC97-1950	632191.243	7105886.16	790.5999756	42
RC97-1951	631075.586	7105576.412	764.9000244	50
RC97-1952	631058.363	7105605.658	764.5999756	60
RC97-1953	631304.693	7105727.244	779	50
RC97-1954	631272.587	7105682.328	778.7000122	40
RC97-1955	631258.741	7105708.419	778.7999878	50
RC97-1956	631190.953	7105624.957	773	60
RC97-1957	631171.367	7105658.615	773.7999878	78
RC97-1958	630314.998	7105435.941	683.4000244	50
RC97-1959	630331.797	7105413.576	673.5999756	40
RC97-1960	630339.437	7105402.828	673.2000122	40
RC97-1961	634415.19	7106673.758	950.2000122	50
RC97-1962	634428.334	7106651.98	955.5	54
RC97-1963	638535.525	7107245.759	793.2000122	50
RC97-1964	638509.829	7107240.271	793.0999756	32
RC97-1965	638509.073	7107242.028	793.2000122	30
RC97-1966	638487.76	7107226.488	793.4000244	30
RC97-1967	638478.754	7107245.999	784.2999878	30
RC97-1968	638479.783	7107193.526	804.7000122	70

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC97-1969	638508.797	7107214.544	803.0999756	70
RC97-1970	638547.493	7107224.239	802.2999878	50
RC97-1971	638521.272	7107192.734	814.0999756	60
RC97-1972	638578.269	7107169.427	825.2999878	70
RC97-1973	638183.499	7107239.526	810.5999756	50
RC97-1974	638194.819	7107217.526	809.9000244	56
RC97-1975	638217.604	7107198.182	802	56
RC97-1976	638149.822	7107216.806	825	64
RC97-1977	638138.263	7107243.723	824.7000122	52
RC97-1978	638089.447	7107223.057	843	74
RC97-1979	638075.774	7107249.246	842.2000122	70
RC97-1980	638059.945	7107275.6	839.0999756	70
RC97-1981	638027.871	7107211.64	847.4000244	72
RC97-1982	638074.598	7107339.758	828.2000122	76
RC97-1983	638086.13	7107321.668	826.7999878	70
RC97-1984	638105.222	7107297.262	824.2000122	60
RC97-1985	638105.222	7107297.262	824.2000122	60
RC97-1986	638092.334	7107374.531	812.2999878	60
RC97-1987	638127.808	7107393.438	812.7000122	64
RC97-1988	638168.34	7107358.004	809.5999756	60
RC97-1989	638163.658	7107328.158	806.4000244	54
RC97-1990	638178.38	7107337.467	806.2000122	52
RC97-1991	638232.476	7107325.044	790.2999878	50
RC97-1992	638223.628	7107349.582	794.7999878	50
RC97-1993	635829.032	7102984.598	920.4000244	140
RC97-1994	635618.342	7103182.401	878.0999756	124
RC97-1995	635709.768	7103047.543	905.0999756	160
RC97-1996	635674.4	7102993.328	928.5999756	214
RC97-1997	635800.2	7102937.732	932.7000122	206
RC97-1998	636156.286	7102722.333	909.5999756	176
RC97-1999	636177.103	7102784.904	903.9000244	110
RC97-2000	636302.47	7102749.274	886.0999756	72
RC97-2001	636244.545	7102662.744	892.4000244	196
RC97-2002	636397.732	7102629.433	862.4000244	124
RC97-2003	635922.65	7102959.369	922.7000122	112
RC97-2004	632358.914	7105791.52	800.2000122	60
RC97-2005	632340.45	7105822.364	802.4000244	68
RC97-2006	638121.171	7107270.286	819.9000244	60
RC97-2007	638216.786	7107239.865	801.0999756	50

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC97-2008	638229.996	7107216.746	798.2999878	50
RC97-2009	638227.966	7107179.319	794.9000244	54
RC97-2010	639965.235	7106846.491	933.2999878	60
RC97-2011	640017.726	7106847.749	936.7000122	70
RC97-2012	639975.854	7106879.445	921.7999878	60
RC97-2013	639934.123	7106861.269	918.9000244	50
RC97-2014	639980.943	7106903.663	912.7999878	40
RC97-2015	640025.637	7106876.54	923.7000122	50
RC97-2016	639945.841	7106890.018	911.2000122	36
RC97-2017	639894.172	7106836.86	912.4000244	66
RC97-2018	639925.482	7106830.92	922.0999756	66
RC97-2019	639876.528	7106804.78	918.5999756	60
RC97-2020	638116.678	7107179.458	842.7000122	100
RC97-2021	638043.662	7107186.986	837.5	112
RC97-2022	637982.211	7107172.079	830.7000122	106
RC97-2023	638008.784	7107133.736	819.2999878	130
RC97-2024	638289.519	7107228.962	767.9000244	66
RC97-2025	637257.22	7106714.598	952.5	22
RC97-2026	635444.667	7104994.59	896.9000244	88
RC97-2027	635428.735	7105016.637	885	64
RC97-2028	631622.056	7105888.531	715.2000122	112
RC97-2029	631587.971	7105914.728	703.7999878	70
RC97-2030	632832.28	7105310.883	824.0999756	100
RC97-2031	632861.017	7105385.485	823.5999756	140
RC97-2032	632894.373	7105459.007	825.5999756	80
RC97-2033	629842.555	7105095.504	645.5	60
RC97-2034	629829.237	7105122.695	645.9000244	40
RC97-2035	629875.842	7105180.585	684.4000244	56
RC97-2036	629894.578	7105147.827	681.5999756	68
RC97-2037	630013.885	7105260.823	696.7000122	44
RC97-2038	630092.151	7105300.914	676.5	42
RC98-2039	637518.371	7106813.053	874.9000244	66
RC98-2040	637419.132	7106781.728	900.5	50
RC98-2041	637269.65	7106639.368	924	76
RC98-2042	637282.636	7106565.6	933.5	84
RC98-2043	637199.995	7106560.254	940.2999878	80
RC98-2044	637178.574	7106597.589	929	70
RC98-2045	636957.19	7106532.855	953.0999756	56
RC98-2046	635896.455	7106381.553	949.7000122	60

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC98-2047	635972.823	7106304.142	959.7999878	60
RC98-2048	636044.654	7106311.793	978.2000122	86
RC98-2049	636376.38	7106533.056	1038.5	54
RC98-2050	636429.346	7106545.719	1036.300049	50
RC98-2051	636001.882	7106331.614	974.5999756	64
RC98-2052	636546.527	7106551.419	1027	56
RC98-2053	636618.534	7106525.066	1013.799988	50
RC98-2054	636708.166	7106521.022	995	50
RC98-2055	636322.293	7106339.023	962.4000244	80
RC98-2056	636431.583	7106398.39	968.5	70
RC98-2057	637063.699	7106701.927	945.5999756	56
RC98-2058	637033.375	7106755.73	972.5	56
RC98-2059	637142.164	7106716.752	929.5999756	50
RC98-2060	637201.227	7106757.761	921.2999878	30
RC98-2061	637230.497	7106915.338	931.9000244	60
RC98-2062	637240.278	7107050.246	963.5999756	60
RC98-2063	637385.13	7107099.978	919.7999878	30
RC98-2064	637040.936	7106722.661	958.7000122	60
RC98-2065	636304.454	7106269.514	950.4000244	80
RC98-2066	633931.182	7105983.715	881.9000244	26
RC98-2067	634000.63	7106063.402	889.5999756	46
RC98-2068	633964.014	7106096.559	908.7999878	30
RC98-2069	633940.084	7106288.649	962.7000122	70
RC98-2070	633972.236	7106269.977	956.2000122	70
RC98-2071	634057.134	7106295.194	953.0999756	70
RC98-2072	634028.848	7106168.944	921.5999756	56
RC98-2073	634062.636	7106205.965	930	56
RC98-2074	634048.47	7106250.593	943.7999878	70
RC98-2075	634097.795	7106240.541	936.0999756	110
RC98-2076	634013.434	7106293.595	954.9000244	74
RC98-2077	633923.26	7106236.935	950.5999756	50
RC98-2078	634042.076	7106159.271	916.9000244	54.5
RC98-2079	633956.903	7105967.514	869.7999878	46
RC98-2080	634027.248	7106315.139	959.5999756	60
RC98-2081	634038.812	7106332.319	962.4000244	60
RC98-2082	634067.228	7106313.154	955.7999878	70
RC98-2083	634000.155	7106333.784	964.9000244	70
RC98-2084	634081.502	7106352.87	963.4000244	70
RC98-2085	634022.464	7106391.452	972.0999756	50

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC98-2086	634052.286	7106372.848	968.9000244	50
RC98-2087	634037.708	7106433.32	974.5	40
RC98-2088	634065.647	7106436.854	973.4000244	50
RC98-2089	634061.827	7106418.745	973	50
RC98-2090	634100.268	7106436.45	971.0999756	70
RC98-2091	634088.348	7106398.056	969.2000122	70
RC98-2092	634125.728	7106420.102	968.4000244	66
RC98-2093	634117.771	7106377.507	964.7999878	80
RC98-2094	634146.252	7106358.839	957.9000244	50
RC98-2095	634187.983	7106377.014	956.5999756	60
RC98-2096	634193.645	7106453.916	963.5999756	40
RC98-2097	634150.421	7106471.072	966.2999878	50
RC98-2098	634147.958	7106507.925	965.9000244	50
RC98-2099	634100.098	7106469.424	971.2999878	50
RC98-2100	634178.983	7106489.424	963.2000122	50
RC98-2101	634196.884	7106528.193	958.2000122	70
RC98-2102	634225.697	7106507.3	955.9000244	66
RC98-2103	634309.812	7106584.553	936.7999878	60
RC98-2104	634237.859	7106602.439	939.5	50
RC98-2105	634272.723	7106581.388	942.9000244	70
RC98-2106	634332.507	7106590.076	939.2999878	68
RC98-2107	634304.238	7106608.978	936.5999756	70
RC98-2108	634363.449	7106568.657	943.4000244	70
RC98-2109	634374.3	7106581.187	942.5999756	70
RC98-2110	634384.181	7106600.751	945	60
RC98-2111	634356.321	7106619.538	938.5	60
RC98-2112	634338.415	7106675.728	932.9000244	60
RC98-2113	634370.061	7106657.346	939	60
RC98-2114	634459.816	7106633.277	959.7999878	70
RC98-2115	634406.003	7106634.375	951.7999878	56
RC98-2116	634520.547	7106635.378	960.4000244	60
RC98-2117	634560.825	7106665.942	961.7999878	50
RC98-2118	632402.332	7105798.932	805.0999756	56
RC98-2119	632419.404	7105780.166	805.2000122	76
RC98-2120	631562.645	7105948.605	698.0999756	60
RC98-2121	631575.451	7105924.57	700	42
RC98-2122	632913.053	7105504.76	827.5999756	80
RC98-2123	632937.96	7105566.988	830.2999878	60
RC98-2124	633561.213	7105435.858	843.5	64

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC98-2125	638184.428	7107313.423	801	100
RC98-2126	638184.428	7107313.423	801	52
RC98-2127	638206.9	7107367.737	803.5999756	40
RC98-2128	638258.94	7107381.029	797	43
RC98-2129	638225.387	7107347.47	794.0999756	40
RC98-2130	638271.322	7107358.363	784.9000244	30
RC98-2131	638152.704	7107408.925	818.2999878	140
RC98-2132	638117.18	7107230.838	833	54
RC98-2133	638072.625	7107187.88	841.2999878	50
RC98-2134	637960.009	7107146.279	823.7999878	80
RC98-2135	637999.948	7107167.237	827.7999878	110
RC98-2136	638033.223	7107154.938	823.4000244	70
RC98-2137	638011.491	7107188.538	833	66
RC98-2138	638041.098	7107243.418	848.2999878	60
RC98-2139	638058.25	7107212.87	847.5	60
RC98-2140	637993.801	7107227.396	847.2999878	70
RC98-2141	638024.115	7107275.095	852.2999878	56
RC98-2142	638339.373	7107135.268	777.0999756	36
RC98-2143	638421.137	7107090.516	809.2000122	64
RC98-2144	638404.911	7107120.436	806.5999756	36
RC98-2145	638619.384	7107184.615	831.5	70
RC98-2146	638619.384	7107184.615	831.5	74
RC98-2147	638653.613	7107228.199	837.7000122	50
RC98-2148	638673.118	7107195.299	850.5	70
RC98-2149	638735.122	7107285.385	839.9000244	46
RC98-2150	638754.528	7107250.822	847.9000244	68
RC98-2151	638770.036	7107226.469	849.0999756	80
RC98-2152	638602.39	7107218.353	818.5999756	40
RC98-2153	638358.769	7107102.766	788.9000244	50
RC98-2154	635467.61	7105861.574	798.0999756	60
RC98-2155	635340.102	7105943.08	818.0999756	50
RC98-2156	635707.977	7105949.266	821.5999756	34
RC98-2157	635697.087	7105970.703	827.5999756	34
RC98-2158	635683.714	7105993.5	839.7999878	34
RC98-2159	635671.539	7106015.593	850.0999756	33
RC98-2160	635609.621	7106015.81	852.4000244	40
RC98-2161	636008.776	7106374.876	987.0999756	60
RC98-2162	635372.086	7105885.502	801.5999756	30
RC98-2163	635364.85	7105899.003	802.0999756	50

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC98-2164	634133.765	7105434.231	745.2000122	60
RC98-2165	634159.26	7105394.134	732.2999878	60
RC98-2166	633901.984	7106251.96	956.9000244	40
RC98-2167	633914.627	7106274.568	961.7000122	30
RC98-2168	633936.519	7106258.856	955.5999756	46
RC98-2169	633953.497	7106275.175	957.4000244	30
RC98-2170	633994.537	7106304.79	960.0999756	40
RC98-2171	634050.172	7106325.155	960.5999756	44
RC98-2172	634017.416	7106346.127	966.5999756	40
RC98-2173	634035.436	7106384.275	971.4000244	46
RC98-2174	634144.341	7106407.37	965	60
RC98-2175	634073.214	7106453.394	974	40
RC98-2176	634195.533	7106477.713	963	52
RC98-2177	634130.055	7106492.235	966.2999878	30
RC98-2178	634215.045	7106516.47	954.7000122	60
RC98-2179	634183.77	7106534.601	957.2000122	30
RC98-2180	634178.441	7106464.661	964.0999756	60
RC98-2181	634360.762	7106590.801	941.7999878	34
RC98-2182	634284.622	7106622.065	930.2999878	30
RC98-2183	634376.511	7106630.543	939.7000122	40
RC98-2184	634402.062	7106652.829	945.5999756	38
RC98-2185	638693.564	7107158.679	862.7000122	106
RC98-2186	638748.799	7107162.399	871.4000244	140
RC98-2187	637589.502	7107316.712	857.2000122	148
RC98-2188	632960.459	7105621.663	837.5	50
RC98-2189	632968.022	7105648.42	837.5999756	50
RC98-2190	637576.341	7107287.267	841.5	132
RC98-2191	638673.82	7107198.335	850	104
RC98-2192	638681.181	7107179.507	850.4000244	86
RC98-2193	638663.899	7107162.099	849.7000122	130
RC98-2194	638724.608	7107209.774	856.2999878	92
RC98-2195	638693.498	7107160.021	864	84
RC98-2196	638706.12	7107137.949	869.2000122	107
RC98-2197	638756.706	7107147.093	871.9000244	124
RC98-2198	639021.7793	7107190.744	834.6281128	110
RC98-2199	639010.6593	7107186.238	830.0321655	90
RC98-2200	639024.3503	7107172.083	834.3330688	110
RC98-2201	639076.681	7107201.221	852.4000244	100
RC98-2202	639058.6144	7107229.433	840.3105469	100

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC98-2203	638780.04	7107310.749	818	40
RC98-2204	638632.599	7107160.466	840.5	70
RC98-2205	638514.332	7107184.47	815.5999756	78
RC98-2206	638547.265	7107225.259	802.5	61
RC98-2207	638818.917	7107240.281	840.0999756	70
RC98-2208	638796.952	7107277.769	823.9000244	60
RC98-2209	638653.979	7107286.967	826	80
RC98-2210	638513.707	7107241.533	792.5999756	70
RC98-2211	638718.281	7107088.52	881.2999878	108
RC98-2212	638707.878	7107081.524	881.0999756	69
RC98-2213	638678.091	7107065.354	873.7000122	100
RC98-2214	638680.326	7107125.287	862.7999878	98
RC98-2215	638799.319	7107167.372	866.2999878	90
RC98-2216	638798.992	7107168.567	866.2000122	94
RC98-2217	638782.298	7107204.425	858.5999756	104
RC98-2218	638769.862	7107226.371	848.7000122	90
RC98-2219	638798.429	7107240.017	840.9000244	66
RC98-2220	638731.453	7107254.96	849.2999878	72
RC98-2221	638699.871	7107208.5	853.9000244	80
RC98-2222	638691.393	7107223.6	850.2000122	70
RC98-2223	638650.293	7107250.447	833	78
RC98-2224	638590.544	7107208.823	816.4000244	56
RC98-2225	638657.203	7107187.501	844.2999878	70
RC98-2226	638616.5	7107156.468	835.2999878	62
RC98-2227	638604.8848	7107183.017	826.5263672	60
RC98-2228	638574.311	7107136.658	830.0999756	70
RC98-2229	638591.392	7107148.096	830.4000244	60
RC98-2230	638558.456	7107168.164	825.2999878	60
RC98-2231	638539.43	7107198.578	815.2000122	50
RC98-2232	638672.967	7107211.29	847	70
RC98-2233	638746.002	7107228.231	857.5	68
RC98-2234	638762.534	7107199.401	859.4000244	80
RC98-2235	638722.566	7107168.896	867.5	60
RC98-2236	638692.022	7107154.483	863.4000244	60
RC98-2237	638511.609	7107132.759	827.0999756	90
RC98-2238	638481.949	7107138.823	820.5999756	76
RC98-2239	638681.69	7107240.881	849.5999756	60
RC98-2240	638640.803	7107220.998	833.2000122	74
RC98-2241	639025.5283	7107206.943	833.9384155	90

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC98-2242	638996.1975	7107209.402	823.1994019	90
RC98-2243	638782.343	7107263.357	836.5	60
RC98-2244	638754.382	7107309.072	826.5	56
RC98-2245	638687.117	7107126.463	862.5999756	60
RC98-2246	638542.757	7107141.197	828.4000244	60
RC98-2247	638713.814	7107127.921	871	60
RC98-2248	638768.201	7107136.216	875.5999756	80
RC98-2249	638786.797	7107108.202	883.7000122	60
RC98-2250	638820.452	7107140.555	868	74
RC98-2251	638101.944	7107256.952	829.5	50
RC98-2252	638088.762	7107280.431	829.7000122	54
RC98-2253	638097.601	7107373.932	811.5	50
RC98-2254	638116.752	7107347.378	808.2999878	50
RC98-2255	637533.784	7106859.725	857.7000122	50
RC98-2256	637558.884	7106850.754	857.0999756	32
RC98-2257	637496.111	7106845.553	867.7000122	20
RC99-2258	638795.055	7107079.199	886.5	130
RC99-2259	638745.329	7107103.035	887.0999756	120
RC99-2260	638645.105	7107034.87	872.5999756	120
RC99-2261	638673.438	7107097.531	863.2999878	110
RC99-2262	638664.764	7107109.305	862.9000244	76
RC99-2263	638827.993	7107117.12	870.5	120
RC99-2264	638611.347	7107105	846.4000244	98
RC99-2265	638566.108	7107079.221	845.9290161	100
RC99-2266	638629.983	7107161.386	835.8289795	90
RC99-2267	639359.986	7107202.748	815.8850098	150
RC99-2268	639516.819	7107025.711	785.6890259	178
RC99-2269	639029.913	7107124.915	849.1010132	112
RC99-2270	639069.671	7107123.087	855.5980225	170
RC99-2271	639044.353	7107253.179	834.0708618	126
RC99-2272	638646.97	7107067.646	859.2540283	130
RC99-2273	638631.107	7107065.119	858.7780151	130
RC99-2274	635357.946	7106952.628	1026.621948	258
RC99-2275	634446.865	7104385.213	842.7310181	226
RC99-2276	636042.555	7106365.228	965.5750122	120
RC99-2277	633460.854	7105409.838	843.5750122	70
RC99-2278	633523.402	7105452.224	848.3690186	34
RC99-2279	633511.16	7105473.684	852.6779785	40
RC99-2280	633479.05	7105479.756	854.9439697	30

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
RC99-2281	633477.416	7105431.693	846.6069946	50
RC99-2282	633465.708	7105453.586	850.2340088	40
RC99-2283	633453.262	7105474.911	854.6010132	30
RC99-2284	633429.267	7105469.852	854.3430176	40
RC99-2285	633409.931	7105501.47	859.1459961	30
RC99-2286	633428.833	7105416.577	845.9990234	60
RC99-2287	633418.203	7105436.347	847.5800171	50
RC99-2288	633405.569	7105457.923	850.4559937	40
RC99-2289	633393.777	7105479.475	853.8200073	36
RC99-2290	633351.597	7105502.201	856.6240234	30
RC99-2291	633370.395	7105419.235	844.367981	70
RC99-2292	633358.48	7105440.571	846.992981	70
RC99-2293	633343.182	7105468.268	850.4429932	70
RC99-2294	633328.141	7105493.187	852.4500122	30
RC99-2295	633324.588	7105397.406	837.3699951	70
RC99-2296	633308.018	7105426.697	842.3720093	60
RC99-2297	633290.42	7105459.208	847.1149902	40
RC99-2298	633277.843	7105430.195	840.0050049	40
RC99-2299	633295.356	7105348.015	828.5640259	70
RC99-2300	633283.519	7105370.061	831.3759766	82
RC99-2301	633268.375	7105395.565	834.1279907	46
RC99-2302	633256.416	7105416.872	836.4229736	30
RC99-2303	633237.721	7105400.625	832.3989868	40
RC99-2304	633240.459	7105346.163	824.526001	54
RC99-2305	633232.42	7105358.473	825.2210083	44
RC99-2306	633219.234	7105381.652	828.197998	30
RC99-2307	633193.77	7105375.144	825.1920166	40
RC99-2308	633197.762	7105316.651	819.2059937	50
RC99-2309	633176.864	7105306.572	815.4559937	46
RC99-2310	640020.987	7107271.445	813.1539917	118
TR12-01	633139.339	7105588.787	852.7769775	106
TR89-C1	634939.494	7106105.664	861.5	408
TR89-C2	634833.245	7106021.481	841.9000244	300
TR89-CRD	635090.425	7106020.215	848	309
TR89-F1	635680.499	7106350.644	976.5	113
TR89-F1A	635609.188	7106272.436	966.7000122	183
TR89-F2	635304.965	7106285.61	938	230
TR89-FRD	635701.187	7106237.226	928.5	633
TR89-K1	636143.683	7106502.152	1052.300049	270

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
TR89-K2	635889.667	7106364.647	938.5999756	361
TR89-KRD	636366.59	7106550.288	1040	371
TR89-M1	634156.452	7106534.861	960.7000122	75
TR89-M2	634112.608	7106519.632	966.7000122	75
TR89-M3	634087.421	7106483.427	971	160
TR89-M4	634045.221	7106460.165	974.7999878	184
TR89-M5	633966.865	7106403.488	973.7000122	236
TR89-M6	633899.947	7106350.945	972.5	230
TR89-M7	633856.839	7106242.314	957.7000122	250
TR89-M8	633814.172	7106132.899	938.5	650
TR89-M9	633698.144	7106300.548	986.5	50
TR90-B2	633858.096	7105721.014	850.5	216
TR90-B3	634159.252	7105842.761	831.5	117
TR90-B4	634166.378	7105955.853	859.5	128.05
TR90-C3	634921.751	7106066.409	853.9000244	342
TR90-C4	635036.151	7106134.849	873.7000122	400
TR90-F3	635123.812	7106177.81	889.5	215
TR90-F4	635248.028	7106169.551	902.5	165
TR90-F5	635445.405	7106276.022	966.5	138
TR90-G1	636984.086	7106931.728	1018.5	285
TR90-G10	637260.977	7107083.01	956.9000244	42
TR90-G11	636423.032	7107275.115	1157	111
TR90-G12	637319.769	7107084.481	943.5	60
TR90-G13	637252.448	7106521.761	935.5	135
TR90-G14	637160.057	7107019.966	986.5	30
TR90-G2	637078.043	7107019.221	1005.5	200
TR90-G3	636882.802	7106877.091	1030.5	246
TR90-G4	637288.487	7106628.484	928.5	147
TR90-G4E	637288.487	7106628.484	928.5	12
TR90-G5	637346.988	7106703.166	924	174
TR90-G6	637420.236	7106767.306	905.5	94.93
TR90-G7	636577.81	7107067.241	1121.5	174
TR90-G8	637219.295	7107064.747	973.5	170
TR90-G9	637160.057	7107019.966	986	66
TR90-K10	636071.084	7106539.77	1045.5	144
TR90-K11	636289.707	7106747.865	1101.400024	150
TR90-K12	636358.434	7106614.026	1061.699951	60
TR90-K13	636285.884	7106657.069	1082.5	130
TR90-K3	635977.928	7106410.011	976.5	180

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
TR90-K4	636035.484	7106507.816	1026.5	280
TR90-K5	636214.478	7106599.246	1073.400024	147
TR90-K6	636144.564	7106588.998	1072.5	96
TR90-K7	636391.201	7106547.702	1037.199951	144
TR90-K8	636423.664	7106716.948	1069.400024	338.38
TR90-K9	636126.888	7106563.101	1069.5	30
TR90-L1	637932.795	7107430.797	867.5	108
TR90-L2	637867.294	7107346.324	893.5	18
TR90-M1E	634143.338	7106543.107	961.5	15
TR90-P1	632536.55	7105159.461	833	78
TR90-P10	633513.603	7105767.932	916.5	174
TR90-P2	633023.025	7105387.102	817.5	14
TR90-P3	632533.61	7105164.698	832.5	48
TR90-P4	632701.79	7104996.05	837.7999878	195
TR90-P5	632472.354	7105053.675	827.5	309
TR91-B5	633956.402	7105876.518	837.7000122	114
TR91-B6	634312.595	7106074.215	871.2000122	258
TR91-BO1	638474.577	7107103.56	821.5	72
TR91-BO2	638741.383	7107171.321	863.9000244	84
TR91-C5	634812.868	7105860.521	810.5	147
TR91-CL1	635886.167	7102784.418	942	363
TR91-CL2	636068.513	7102710.199	924.0999756	111
TR91-CL3	635996.449	7102852.841	925.2000122	108
TR91-E1	634386.413	7104957.098	785.5999756	96
TR91-G15	636712.25	7106604.615	1003.099976	176
TR91-G16	637495.498	7106779.872	884	42
TR91-G17	636194.84	7107170.843	1156	102
TR91-M11	633417.206	7105729.707	906.5	126
TR91-M12	634106.554	7106578.81	962.5	45
TR91-P6	633085.975	7105547.993	843.4000244	171
TR91-P7	633275.113	7105525.59	857.5	246
TR91-P8	633696.164	7105298.826	810.5	294
TR91-P9	631320.966	7105778.304	778.5	195
TR91-S1	639068.382	7106319.387	1032.300049	250
TR91-S2	639286.137	7106269.09	1029.699951	100
TR91-S3	639462.068	7106103.996	1063.300049	84
TR91-S4	639475.364	7105844.266	963.4000244	28
TR91-S5	639433.408	7105719.289	914	60
TR94-B1	633863.353	7105540.13	819.4000244	22

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
TR94-B2	633965.724	7105579.762	796.9000244	14
TR94-B3	633927.117	7105640.966	813.7000122	60
TR94-B4	633968.746	7105671.371	806.9000244	45
TR94-B6	633751.426	7105427.264	826.4000244	87
TR94-B7	633812.422	7105466.259	822.5	41
TR94-LP1	632897.268	7104511.699	834.7999878	21
TR94-LP2	632836.639	7104538.821	831.9000244	48
TR94-LP3	632794.236	7104543.692	826.7000122	45
TR94-LP4	632776.858	7104550.344	824	30
TR94-M13	634458.209	7106536.492	959	294
TR94-NG1	635914.97	7107302.774	1174.400024	300.07
TR94-NG2	635760.606	7107608.944	1146.900024	113
TR94-NG3	635990.294	7107602.329	1131.699951	255
TR94-NG4	636652.084	7106915.967	1078.400024	123
TR94-NG5	636203.622	7107375.12	1154.300049	144
TR94-NG6	636176.091	7107418.437	1149	42
TR94-NG7	636322.113	7107170.618	1138.400024	39
TR94-NG8	636369.745	7107174.198	1140	279
TR94-P11	632324.012	7105160.444	826.5999756	136
TR94-SF1	635526.608	7105996.016	841.2999878	46
TR94-X1	635110.583	7107112.076	980.7000122	26
TR94-X2	635086.777	7107145.084	971.2999878	31
TR94-X3	635376.392	7107171.811	1043.699951	120
TR94-X4	635385.021	7107234.649	1040.199951	30
TR94-X5	635242.836	7107044.376	1044.699951	30
TR94-X6	635220.768	7107037.941	1043.900024	21
TR95-C10	634962.553	7105822.829	807.9000244	47
TR95-C11	634962.975	7105709.158	768.7999878	75
TR95-C12	634947.495	7105737.545	781.7999878	74
TR95-C13	635019.894	7105759.295	789.7000122	90
TR95-C14	635065.475	7105774.698	794.7999878	44
TR95-C15	634629.988	7105932.833	798	40
TR95-C16	634693.122	7105988.646	811.5	67
TR95-C6	634936.424	7106119.095	859.0999756	110
TR95-C7	634889.45	7106066.969	846.7000122	60
TR95-C8	634835.75	7106021.511	836.4000244	40
TR95-C9	634881.275	7105978.205	842.4000244	52
TR95-CL4	635860.157	7103025.749	895.7999878	228
TR95-F6	635347.57	7106228.72	934.7000122	102

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
TR95-F7	635293.123	7106312.828	936.2999878	118
TR95-K14	635888.621	7106268.293	911.4000244	82
TR95-M14	635074.727	7107171.036	960.7000122	65
TR95-M15	634499.843	7106656.121	960.5	62
TR95-M16	634290.474	7106789.903	916.5	28
TR95-M17	634492.694	7106671.508	958.5999756	54
TR95-M18	634550.695	7106664.381	961.7000122	110
TR95-M19	635371.195	7107068.76	1066.5	96
TR95-P12	633306.407	7105481.289	854.5	66
TR95-P13	631071.517	7105850.745	769.2000122	24
TR95-P14	633495.963	7105584.741	873.7000122	150
TR95-P15	631089.011	7105900.653	765.4000244	76
TR95-P16	631133.509	7105920.844	765.0999756	86
TR95-P17	631309.343	7105954.806	760.5	150
TR95-P18	631043.431	7105663.29	766.5	74
TR95-P19	631216.667	7105735.981	777.4000244	48
TR95-P20	629673.183	7104897.296	646.5	54
TR95-P21	629913.939	7105193.388	684.5	75
TR95-P22	631923.15	7105995.89	783.9000244	60
TR95-P23	631737.353	7105997.436	755	65.6
TR95-P24	631687.975	7105970.828	741.5	81
TR95-P25	632062.848	7105932.49	779	61
TR95-P26	632097.492	7105984.116	793.2000122	84
TR95-P27	631691.204	7105966.098	742.5	10
TR95-P28	633325.636	7105142.792	764.4000244	82
TR96-K1	636466.071	7106746.987	1047.300049	178
TR96-K10	636622.442	7106559.759	1019.599976	60
TR96-K11	636533.746	7106512.312	1007.200012	113.5
TR96-K2	636373.77	7106615.298	1059.800049	66
TR96-K3	636038.816	7106503.719	1022.5	200
TR96-K4	636446.223	7106677.383	1060.599976	80
TR96-K5	636645.024	7106711.279	996.9000244	137
TR96-K6	636843.21	7106655.609	965.4000244	103
TR96-K7	636220.023	7106604.889	1071.699951	74
TR96-K8	636707.452	7106555.987	1002.099976	74
TR96-K9	636740.678	7106592.577	996.5	60
TR96-P29	631673.201	7105984.685	730.9000244	86
TR96-P30	631971.916	7106191.64	797.7999878	225
TR96-P31	632051.082	7106239.93	808.0999756	100

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
TR97-BO10	639598.89	7107017.885	819.9000244	9
TR97-BO11	638430.532	7107183.64	795	62
TR97-BO12	639990.51	7106880.908	920.4000244	68
TR97-BO3	638533.853	7107193.606	812.9000244	98
TR97-BO4	638524.684	7107218.307	803.5999756	46
TR97-BO5	638513.234	7107246.663	791.7000122	34
TR97-BO6	638626.098	7107317.226	806.9000244	64
TR97-BO7	639078.732	7107178.375	851.7000122	38
TR97-BO8	639688.864	7106902.765	860.2000122	46
TR97-BO9	639631.804	7106990.915	837.7000122	42
TR97-CL10	635534.27	7102811.443	956.7999878	58
TR97-CL11	635171.032	7103061.633	955.5999756	282
TR97-CL5	635842.63	7102833.78	946	123
TR97-CL6	635644.924	7102708.292	948.7000122	65
TR97-CL7	636176.679	7102938.19	928.7999878	229
TR97-CL8	636397.704	7102623.561	862.7999878	152
TR97-CL9	636234.429	7102917.831	923	239
TR97-EBR1	632313.621	7105816.24	797.2000122	88
TR97-EBR2	632241.142	7105802.597	784.7000122	38
TR97-EBR3	632160.873	7105920.647	792.7999878	62
TR97-EBR4	632096.669	7105927.387	783.2999878	40
TR97-G1	636935.947	7106982.751	1027.699951	104
TR97-G2	637016.149	7106994.075	1022.5	40
TR97-G3	636892.459	7106701.436	966.9000244	46
TR97-G4	637167.313	7107077.898	987.9000244	36
TR97-G5	636964.022	7106883.13	1017.099976	148
TR97-G6	637111.95	7106869.599	968.5999756	44
TR97-MH20	634526.73	7106697.875	963.0999756	39
TR97-MH21	634550.35	7106736.873	964.7999878	68
TR97-MH22	634701.179	7106802.71	990.7999878	84
TR97-MH23	634649.34	7106784.364	983	104
TR97-MH24	634758.563	7106826.699	1004.400024	128
TR97-NS1	635381.945	7107297.913	1026	60
TR97-NS2	635612.549	7107397.685	1055.5	20
TR97-NS3	635612.986	7107407.117	1053.5	14
TR97-WBR1	631272.554	7105771.415	775.7999878	28
TR97-WBR2	631026.833	7105678.763	767	38
TR98-BO13	638758.678	7107201.367	860.5999756	80
TR98-BO14	638726.524	7107209.014	854	38

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
TR98-BO15	638632.582	7107197.66	831.0999756	32
TR98-BO16	638769.378	7107096.344	887.2000122	100
TR98-BO17	638778.496	7107199.762	855.2000122	64
TR98-BO18	638782.774	7107219.505	848.4000244	18
TR98-L3	638277.422	7107414.269	801.7000122	300
TR98-L4	638271.022	7107401.37	800.2000122	48
TR98-LG1	636462.191	7107612.329	1143	156
TR98-LG2	636865.835	7107604.632	1082.599976	230
TR98-LG3	636870.346	7107571.686	1066.400024	484
TR98-M25	633875.609	7106306.49	968.2999878	90
TR98-M26	635070.918	7106874.592	1000.400024	80
TR98-M27	635063.148	7106886.185	1002.5	616
TR98-M27B	634696.979	7106657.045	969.5999756	18
TR98-M28	633953.855	7106358.052	969.7999878	90
TR98-M29	633889.533	7106109.35	919.2000122	210
TR98-MN1	635329.574	7107055.699	1063.099976	293
TR98-P32	633026.703	7105633.752	843.7999878	74
TR98-P33	633051.96	7105423.576	822.7999878	116
TR98-P34	633057.237	7105563.647	840.7000122	114
TR98-SC10	638001.475	7105783.962	957.5	176
TR98-SC11	638087.196	7106001.289	941.5	34
TR98-SC12	638153.061	7106035.901	931.4000244	158
TR98-SC13	637010.03	7105654.844	1124.199951	8
TR98-SC14	636558.858	7105020.463	1075.900024	30
TR98-SC15	636473.004	7105152.138	1053.599976	80
TR98-SC16	636448.237	7105271.187	1039.099976	18
TR98-SC17	636350.382	7105338.472	1016.599976	110
TR98-SC18	636441.981	7105420.161	994.5	20
TR98-SC19	638384.315	7105780.647	888	130
TR98-SC20	638036.278	7105844.289	949.5	60
TR98-SC21	638221.035	7105848.474	905.0999756	30
TR98-SC22	638488.007	7105839.163	866	76
TR98-SC23	636460.911	7105460.772	988.2999878	180
TR98-SC24	638402.994	7105860.502	866	37
TR98-SC25	638340.62	7105828.656	895.4000244	90
TR98-SC26	635454.735	7105015.865	881.5999756	82
TR98-SC27	635576.624	7105046.259	873.0999756	62
TR98-SC28	635656.583	7105168.484	874.2000122	56
TR98-SC4	636683.25	7105908.304	1009.200012	220

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
TR98-SC5	637437.51	7105961.624	1060.699951	58
TR98-SC6	637716.005	7105858.891	1010.700012	110
TR98-SC7	637790.23	7105516.171	997	36
TR98-SC8	637901.461	7105643.344	973.9000244	10
TR98-SC9	637987.982	7105760.416	959.7999878	14
TR98-SK1	640544.976	7106275.226	978.7000122	233
TR98-SK10	639024.21	7107181.142	835	60
TR98-SK11	639103.829	7106860.056	948.0999756	75
TR98-SK12	639059.719	7106901.862	933	85
TR98-SK13	639130.821	7106917.141	914	118
TR98-SK14	639641.93	7106632.488	912.5	360
TR98-SK15	639980.531	7107011.599	879.0999756	122
TR98-SK16	639883.734	7107084.761	874.5999756	80
TR98-SK17	639975.312	7107279.2	826.2999878	160
TR98-SK18	639970.942	7107307.402	820.2000122	50
TR98-SK19	639938.607	7107301.283	809.5999756	140
TR98-SK2	639064.193	7107011.51	887.9000244	90
TR98-SK20	639964.041	7107440.168	814	185
TR98-SK21	639970.202	7107262.777	827.9000244	180
TR98-SK22	640037.97	7107274.805	806.5999756	216
TR98-SK23	639967.452	7107454.716	811.9000244	106
TR98-SK24	639951.33	7106929.044	894.2000122	60
TR98-SK25	639954.725	7107510.258	795.7999878	130
TR98-SK26	639974.956	7107256.149	829.5	23
TR98-SK27	639500.258	7106491.534	901	358
TR98-SK28	639833.953	7107162.191	849.2999878	485
TR98-SK29	639854.152	7107149.086	857	185
TR98-SK3	639236.408	7107163.204	837	286
TR98-SK4	639138.351	7107181.229	851	60
TR98-SK5	639103.948	7107180.837	852.7000122	90
TR98-SK6	639059.295	7107231.982	840.2000122	110
TR98-SK7	639053.037	7107182.074	843.9000244	115
TR98-SK8	639248.066	7107186.751	842.4000244	240
TR98-SK9	639127.254	7106964.742	897.5	110
TR98-SL1	641863.1	7104904.257	783.9000244	1070
TR98-SL10	641032.179	7105882.862	818.0999756	320
TR98-SL11	641043.62	7105824.3	807.7999878	65
TR98-SL12	641349.653	7105778.499	811.4000244	42
TR98-SL13	641374.101	7105826.231	811.7000122	18

BHID	3XCOLLAR	YCOLLAR	ZCOLLAR	TD
TR98-SL14	641357.013	7105746.81	809.5999756	32
TR98-SL15	641349.43	7105778.488	811.2999878	400
TR98-SL16	641248.999	7105756.023	814.5999756	24
TR98-SL17	642096.17	7104998.41	709.2999878	15
TR98-SL18	642132.077	7105001.026	697.5	50
TR98-SL19	642157.583	7104877.8	696	115
TR98-SL2	641821.887	7105781.57	616.7000122	810
TR98-SL3	641349.653	7105778.499	811.4000244	760
TR98-SL4	641257.924	7105789.747	803.9000244	386
TR98-SL5	641757.314	7105239.685	747.2000122	70
TR98-SL6	641869.777	7104950.152	783.2999878	483
TR98-SL7	641658.788	7105902.779	680.5	370
TR98-SL8	641561.323	7105900.353	731.5	360
TR98-SL9	642089.919	7105012.81	710.2999878	253.5
TR99-CL12	638183.682	7101878.49	680.9990234	109
TR99-CL13	636229.795	7102242.469	833.6669922	28
TR99-CL14	636387.011	7102277.364	824.9379883	113
TR99-L1A	637806.103	7107266.226	879.0999756	38
TR99-L1B	637782.481	7107252.143	876.4000244	4
TR99-L2A	637787.83	7107306.938	899.2000122	26
TR99-L2B	637794.204	7107324.989	901.5999756	23.5
TR99-L3A	637847.059	7107370.316	900.5999756	33
TR99-L3B	637835.013	7107380.54	904.4000244	12.5
TR99-L4	637968.937	7107352.132	869.7000122	72
TR99-L5	637976.435	7107335.103	865.7999878	28
TR99-L6	637997.055	7107249.779	850.2999878	21
TR99-L7A	638093.06	7107196.611	841.2000122	25.5
TR99-L7B	638093.147	7107196.66	841.2000122	15
TR99-SK30	639369.15	7107177.536	801.5999756	126
TR99-SK31	639603.594	7107052.796	809.7999878	108
TR99-SK32	639564.95	7107119.376	774.9000244	144
TR99-SK33	639954.227	7107443.149	813.2999878	140
TR99-SK34	639805.82	7107175.075	845.5540161	440
TR99-SK35	639325.485	7107155.862	814.9000244	100
TR99-SK36	639974.748	7107254.884	829.7000122	186
TR99-SK37	639963.91	7107441.013	813.2999878	183
TR99-SK38	640033.842	7107273.174	808.2000122	216

Appendix C Variograms

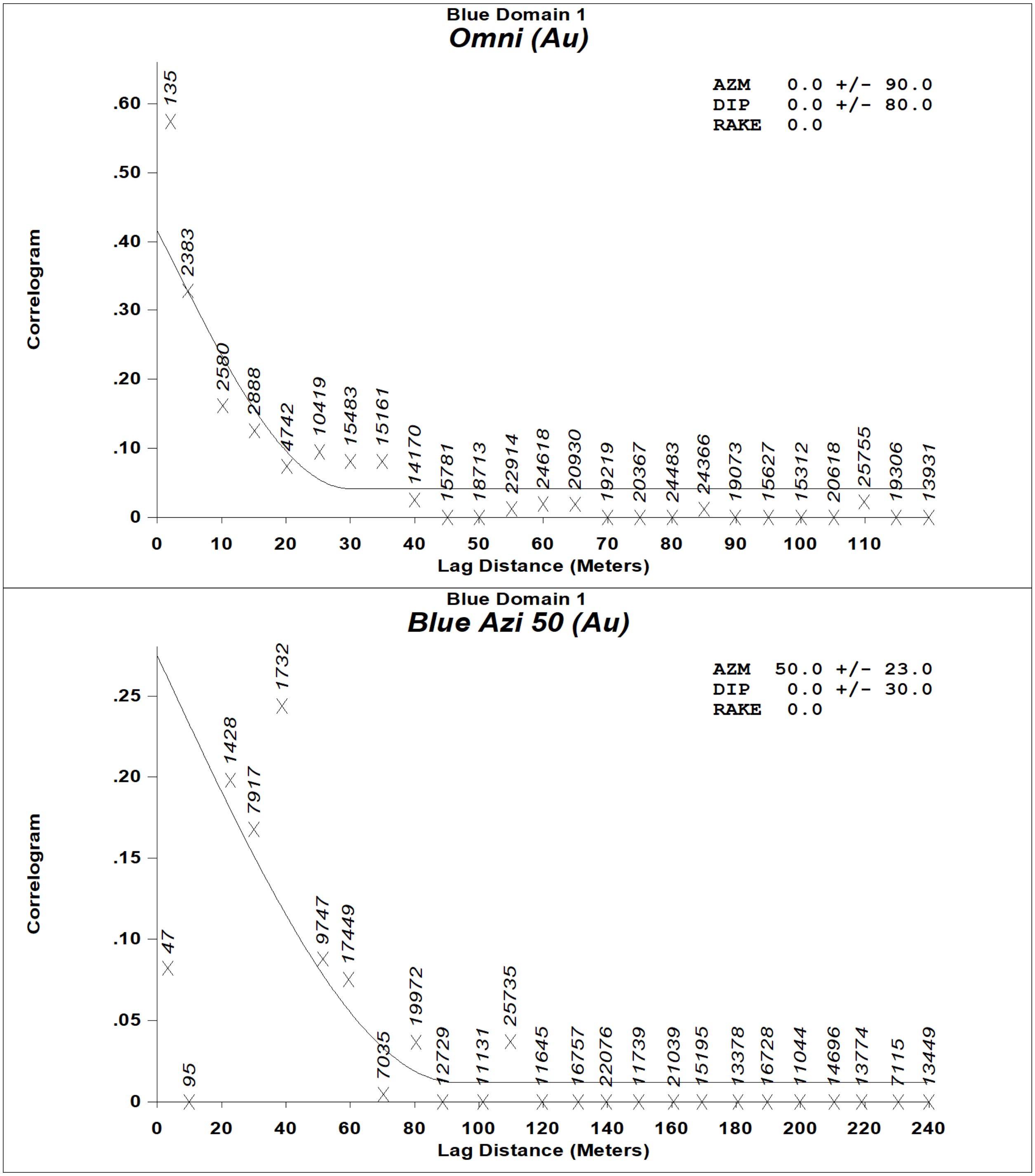


Figure 1 Blue Correlograms, Top: Omnidirectional, Bottom: At Azimuth 50

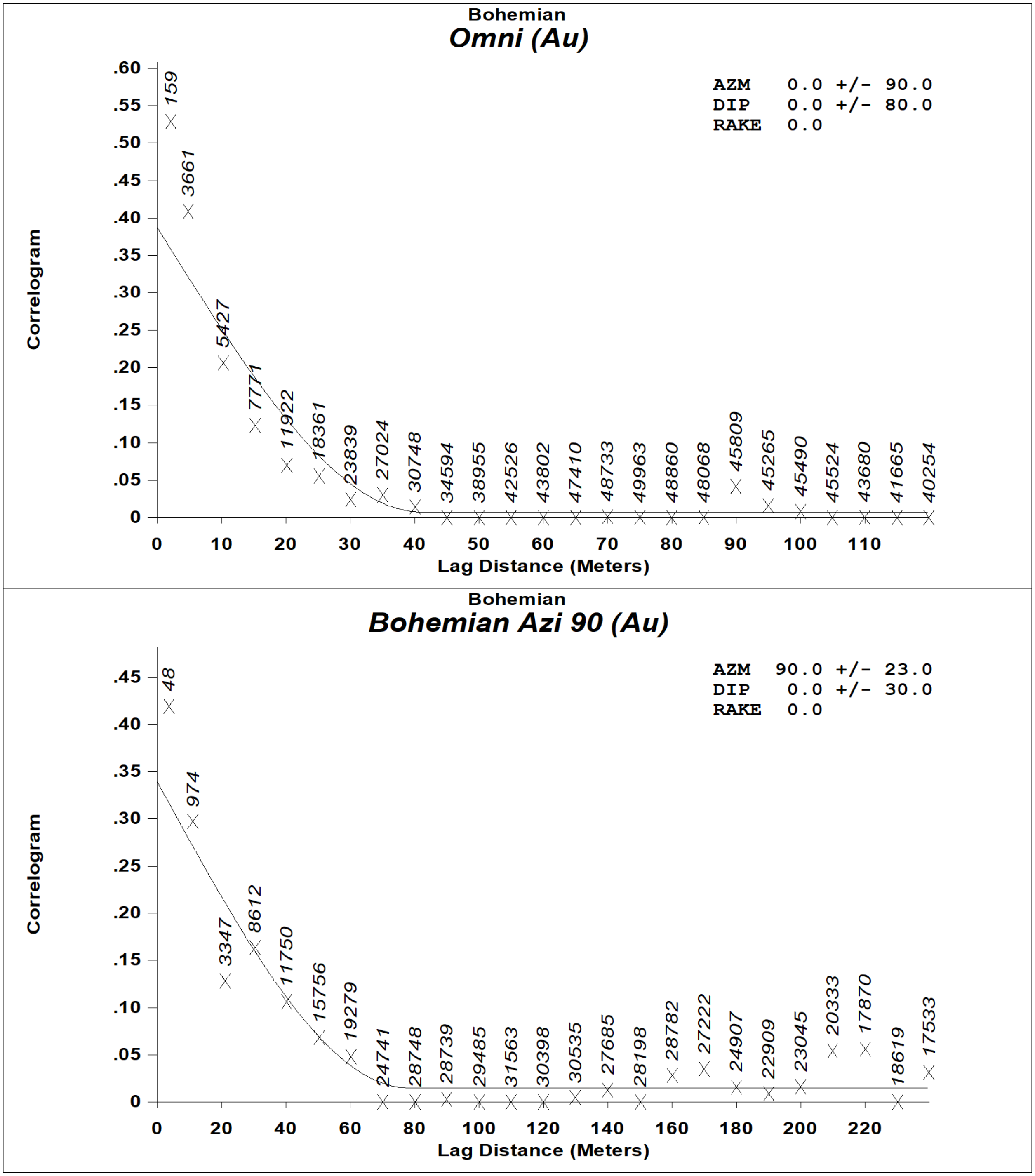


Figure 2 Bohemian Correlograms, Top: Omnidirectional, Bottom: At Azimuth 90

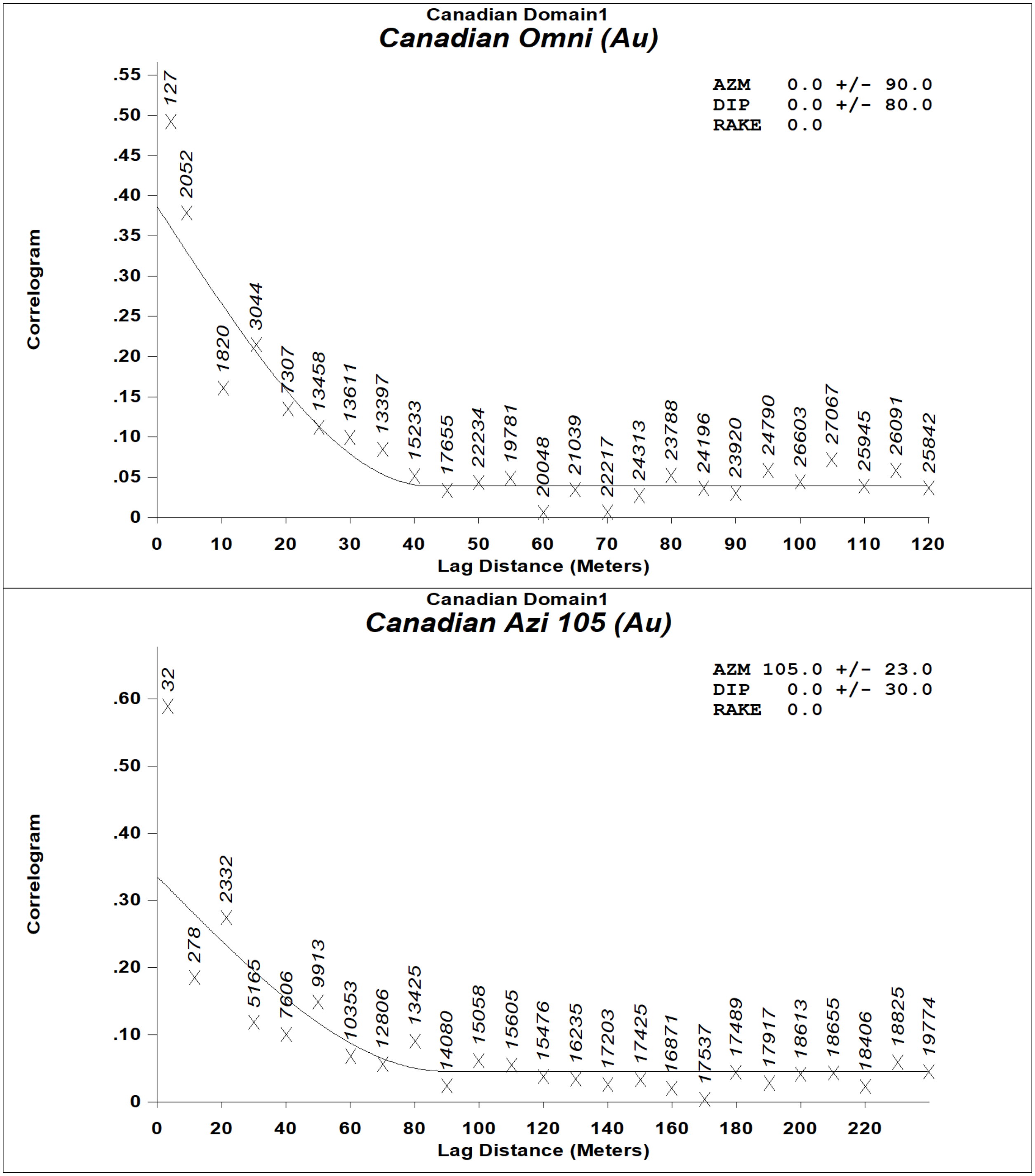


Figure 3 Canadian Correlograms, Top: Omnidirectional, Bottom: At Azimuth 105

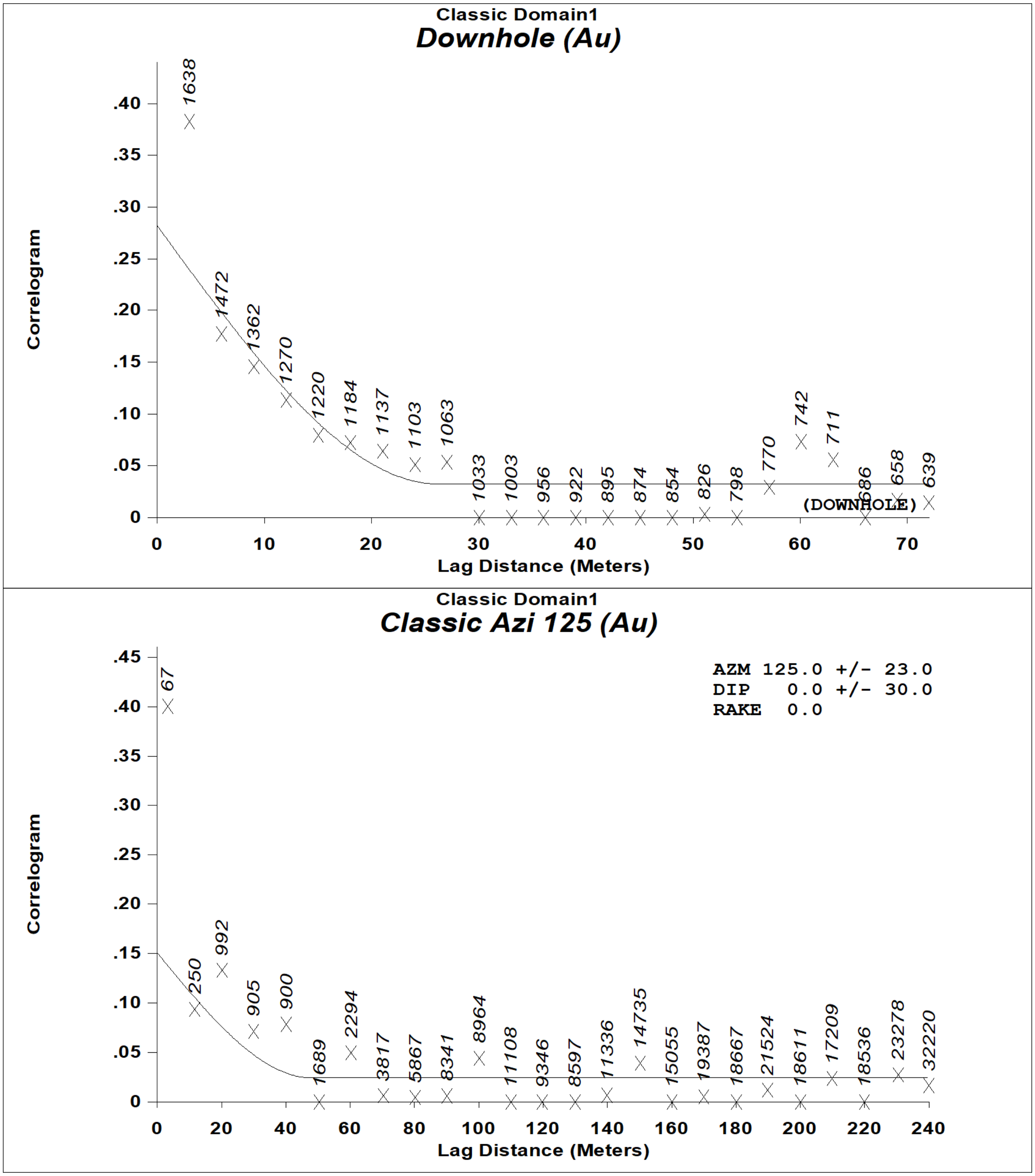
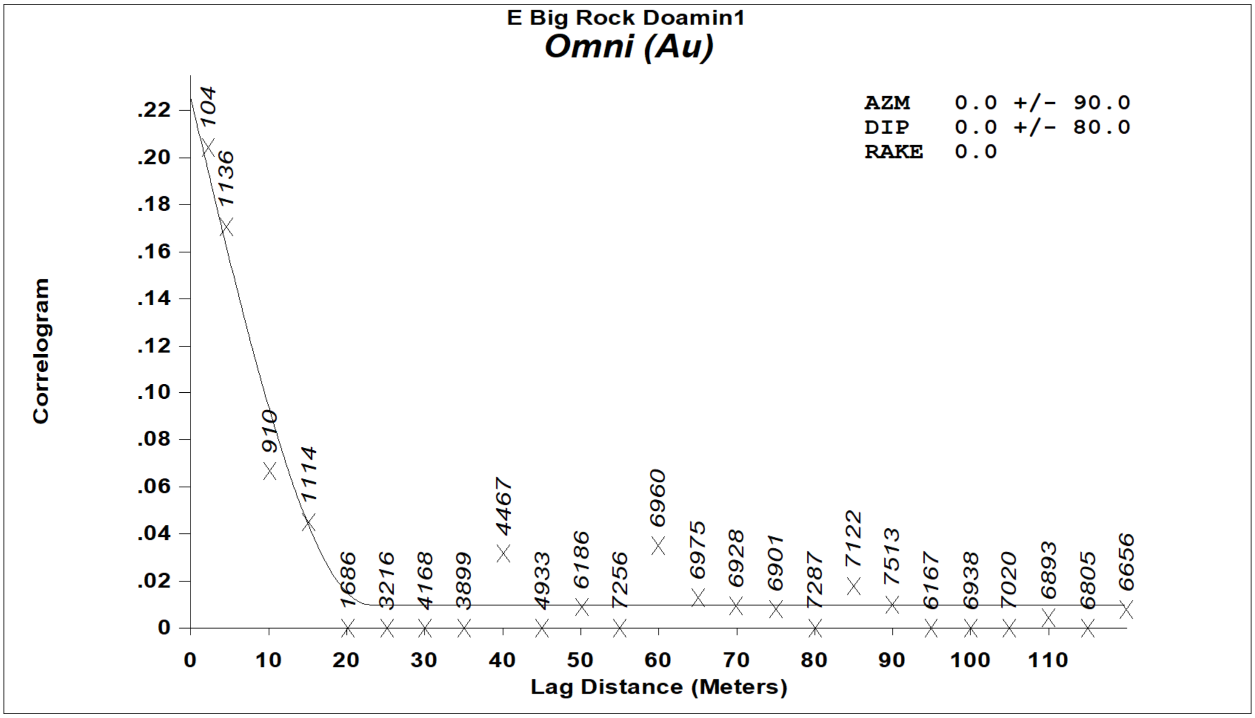


Figure 4 Classic Correlograms, Top: Downhole, Bottom: At Azimuth 125


E Big Rock Doamin1
Omni (Au)
AZM 0.0 +/- 90.0
DIP 0.0 +/- 80.0
RAKE 0.0
Correlogram
Lag Distance (Meters)
.22
.20
.18
.16
.14
.12
.10
.08
.06
.04
.02
0
0
10
20
30
40
50
60
70
80
90
100
110
104
1136
910
1114
1686
3216
4168
3899
4467
4933
6186
7256
6960
6975
6928
6901
7287
7122
7513
6167
6938
7020
6893
6805
6656

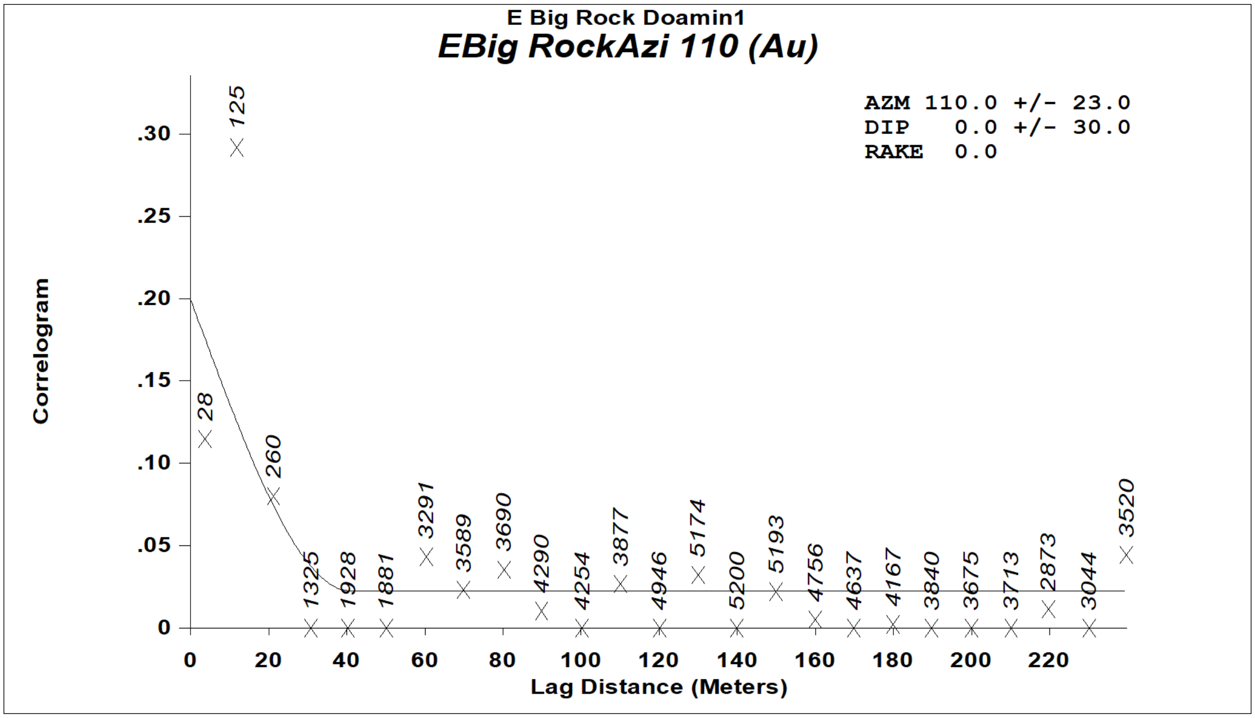


Figure 5 East Big Rock Correlograms, Top: Omnidirectional, Bottom: At Azimuth 110

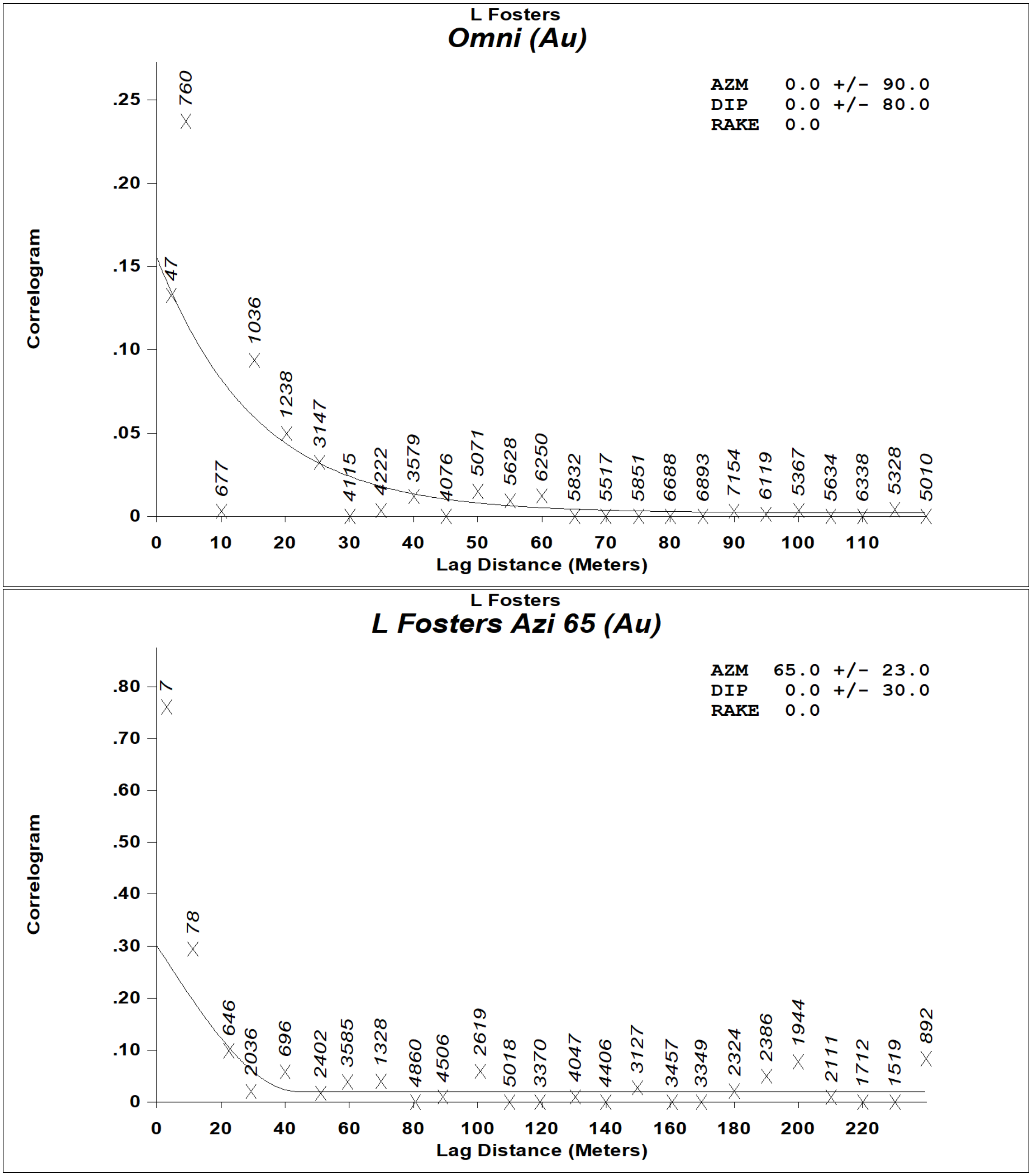


Figure 6 Lower Fosters Correlograms, Top: Omnidirectional, Bottom: At Azimuth 110

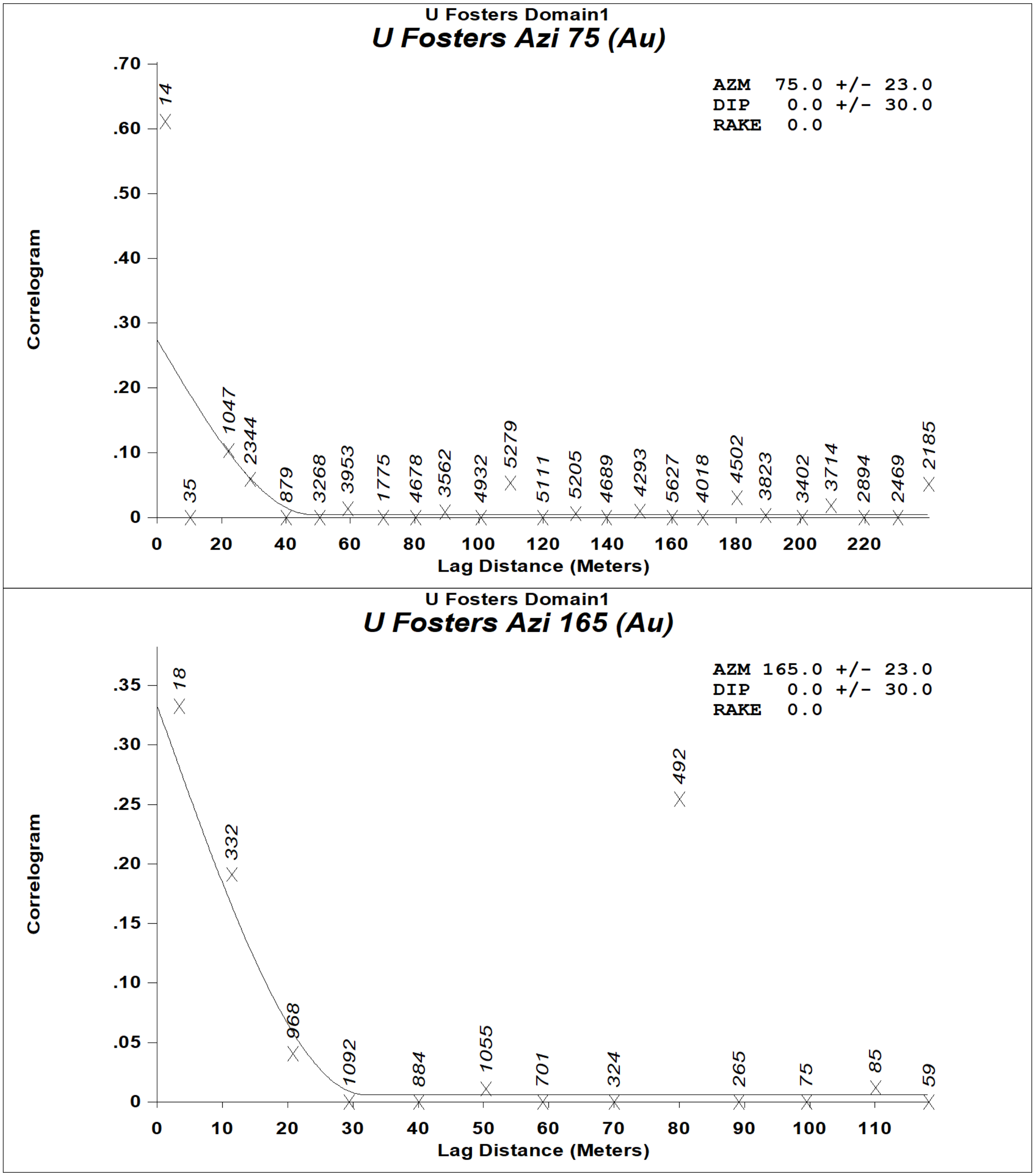


Figure 7 Upper Fosters Correlograms, Top: At Azimuth 75, Bottom: At Azimuth 165

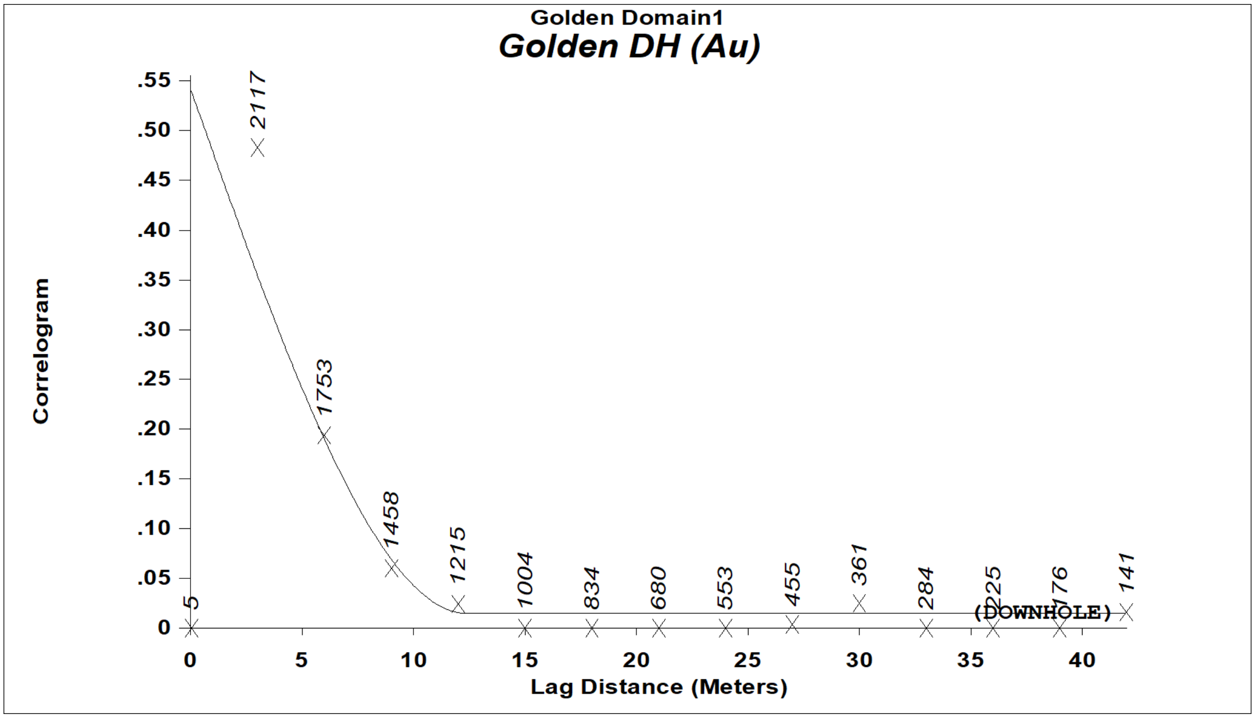


Figure 8 Golden Correlogram: Downhole

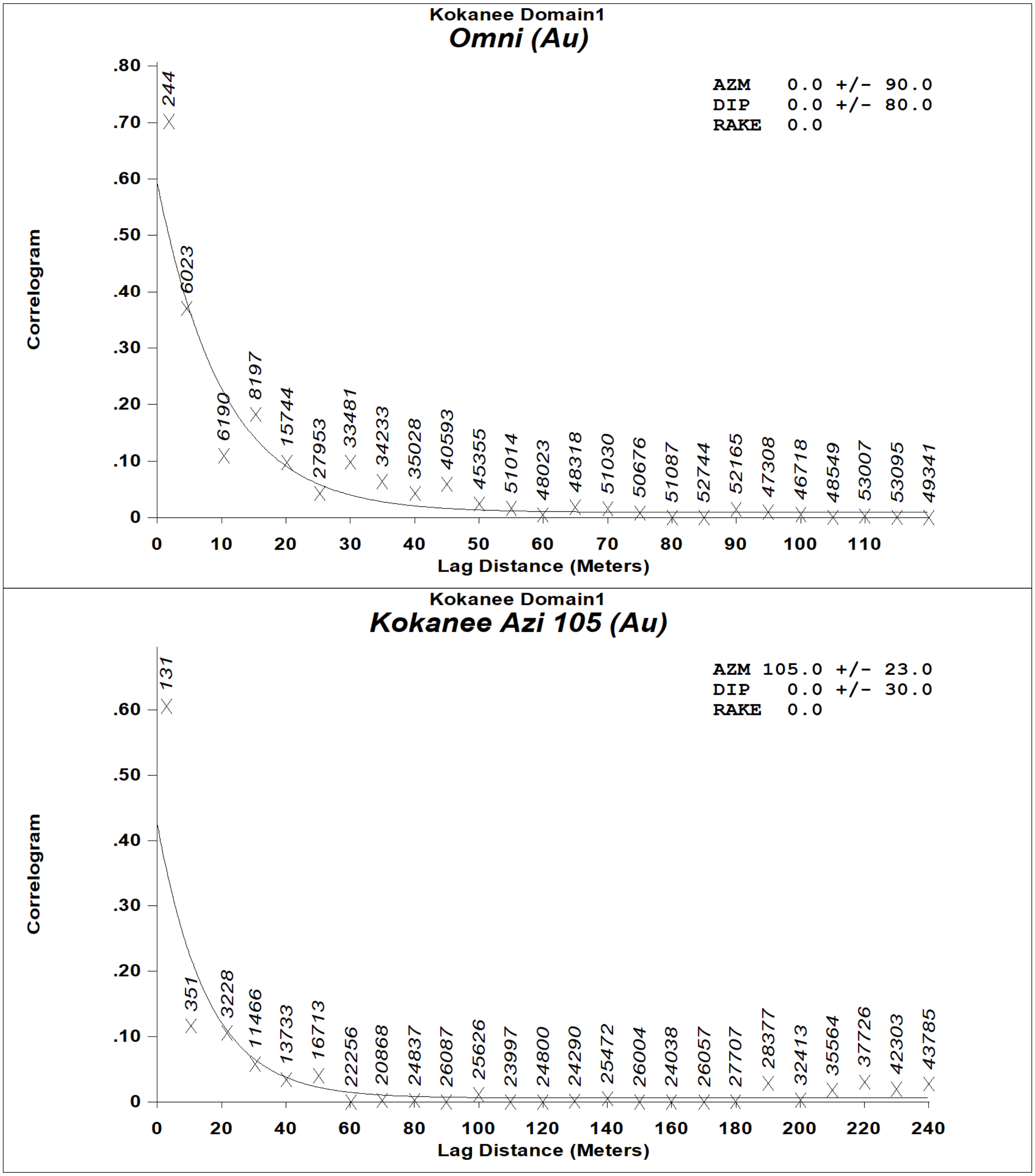


Figure 9 Kokanee Correlograms, Top: Omnidirectional, Bottom: At Azimuth 105

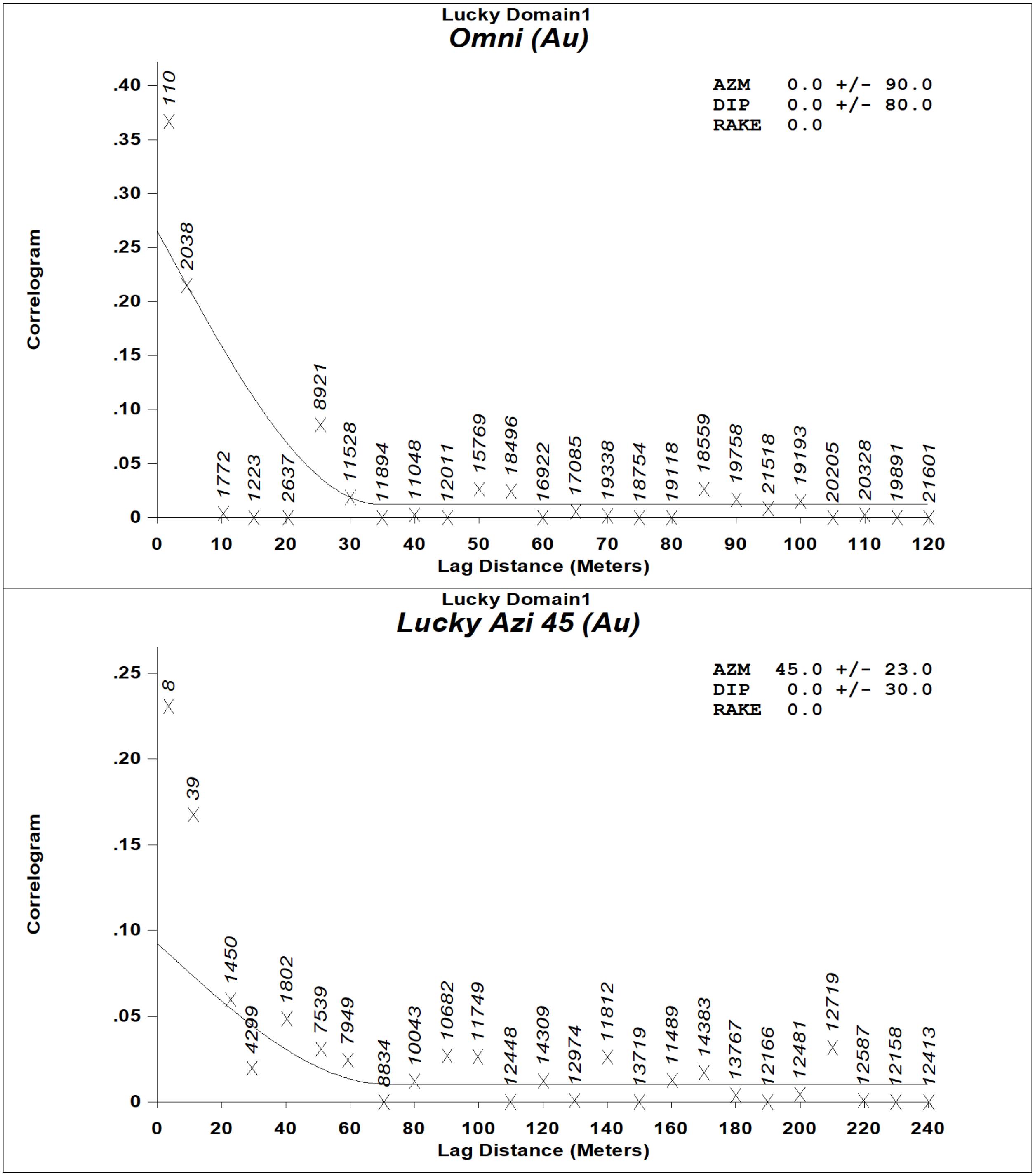


Figure 10 Lucky Correlograms, Top: Omnidirectional, Bottom: At Azimuth 45

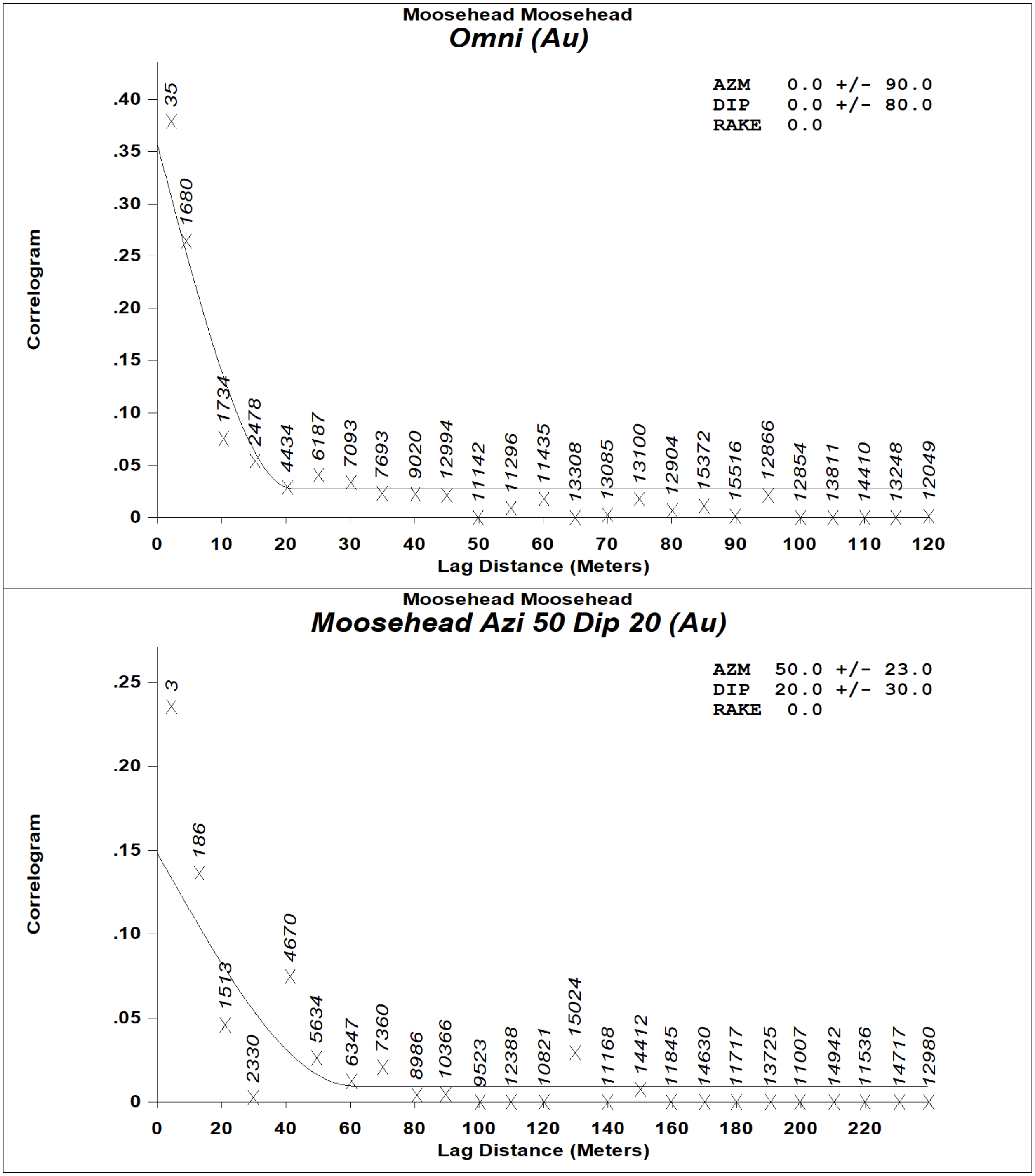


Figure 11 Moosehead Correlograms, Top: Omnidirectional, Bottom: At Azimuth 50 and Dip 20

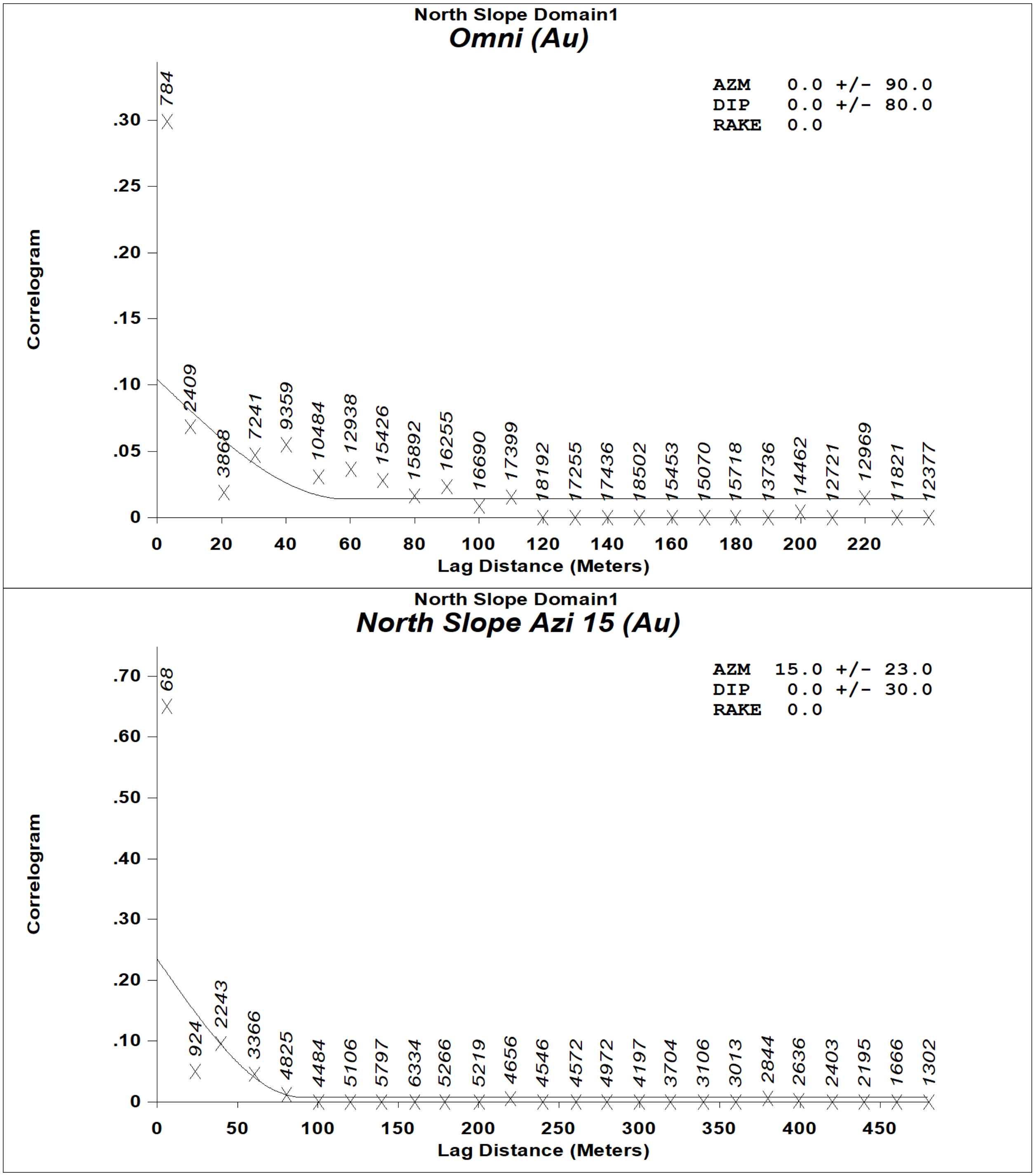


Figure 12 North Slope Correlograms, Top: Omnidirectional, Bottom: At Azimuth 15

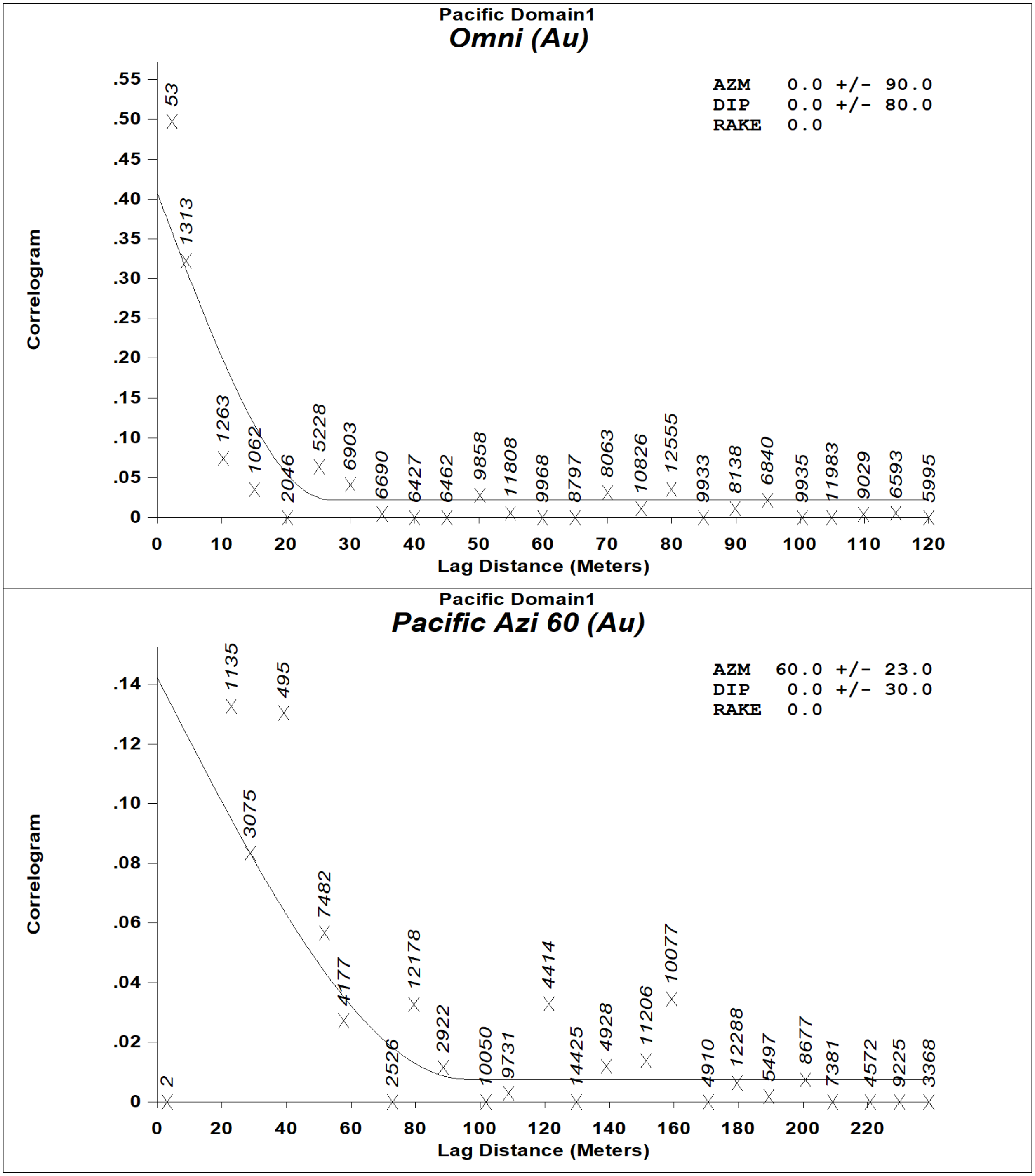


Figure 13 Pacific Correlograms, Top: Omnidirectional, Bottom: At Azimuth 60

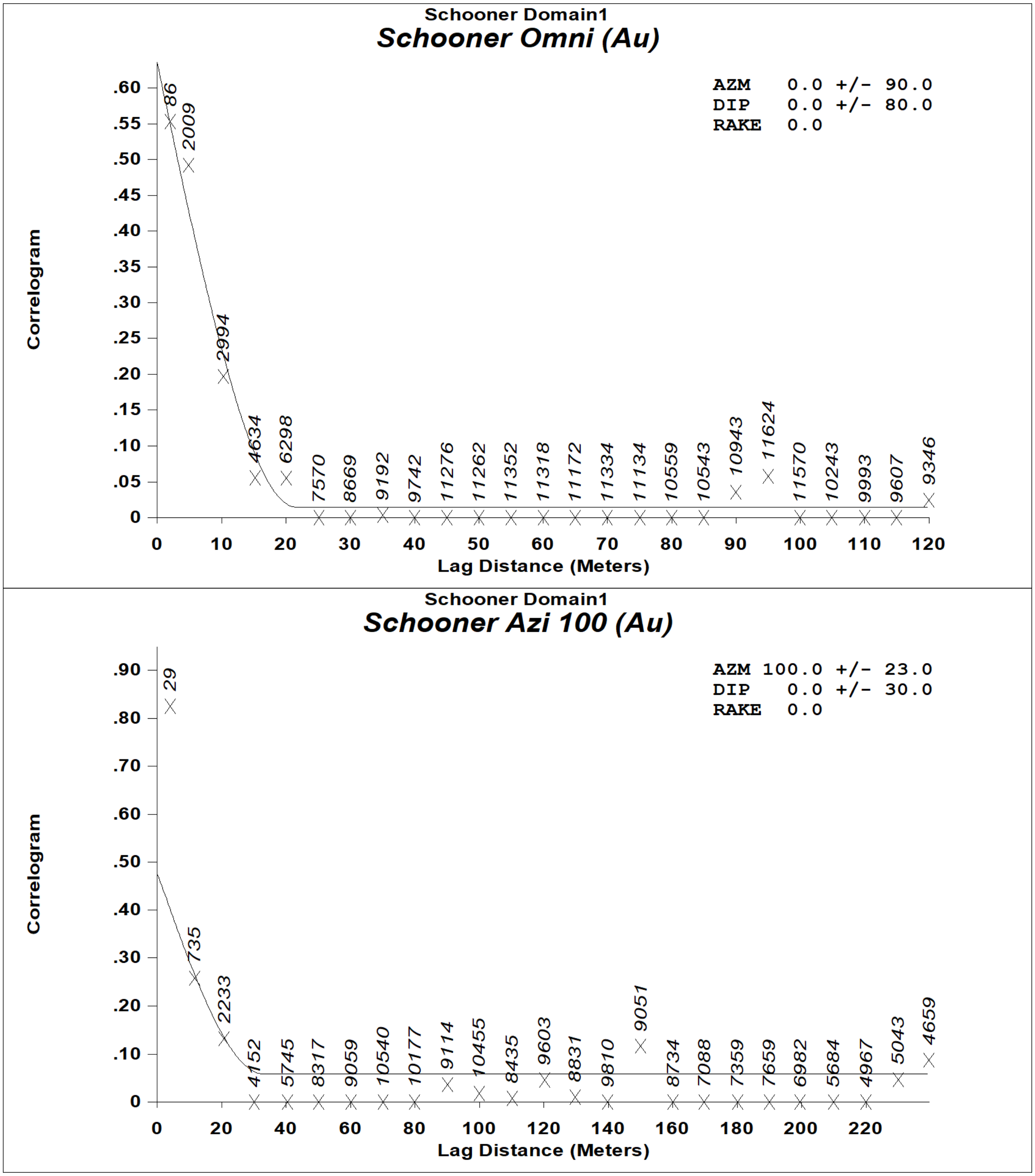
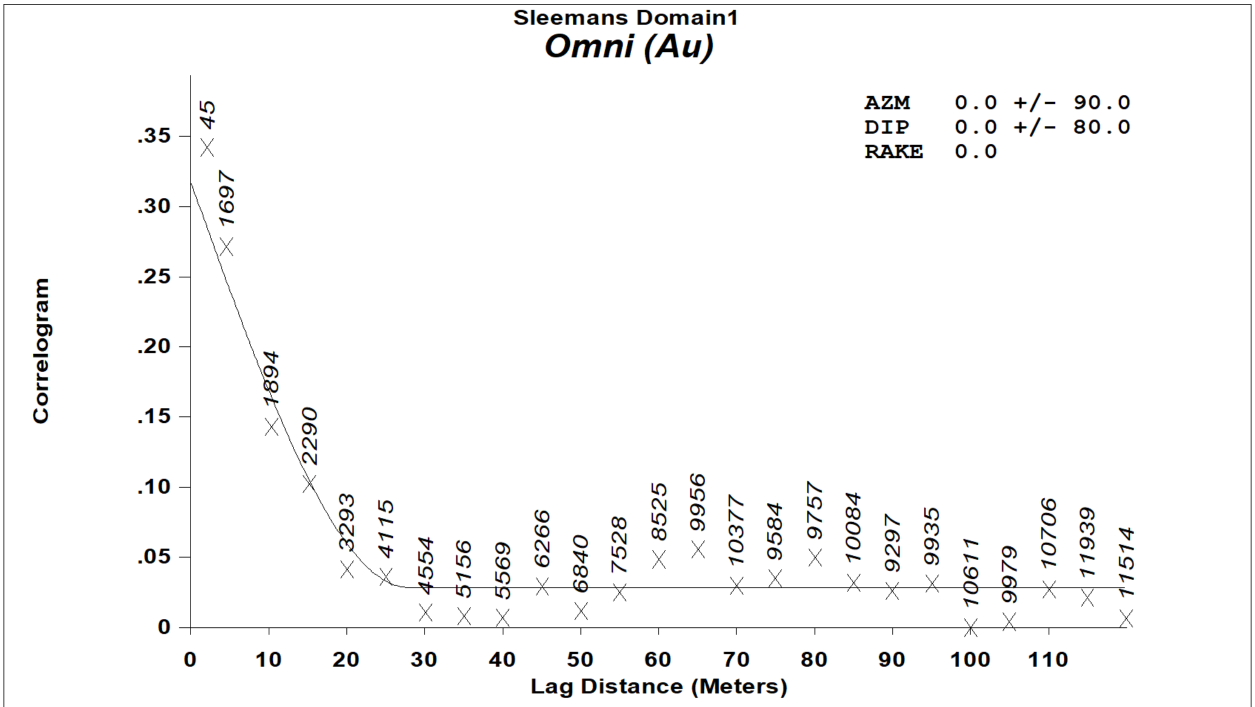


Figure 14 Schooner Correlograms, Top: Omnidirectional, Bottom: At Azimuth 100



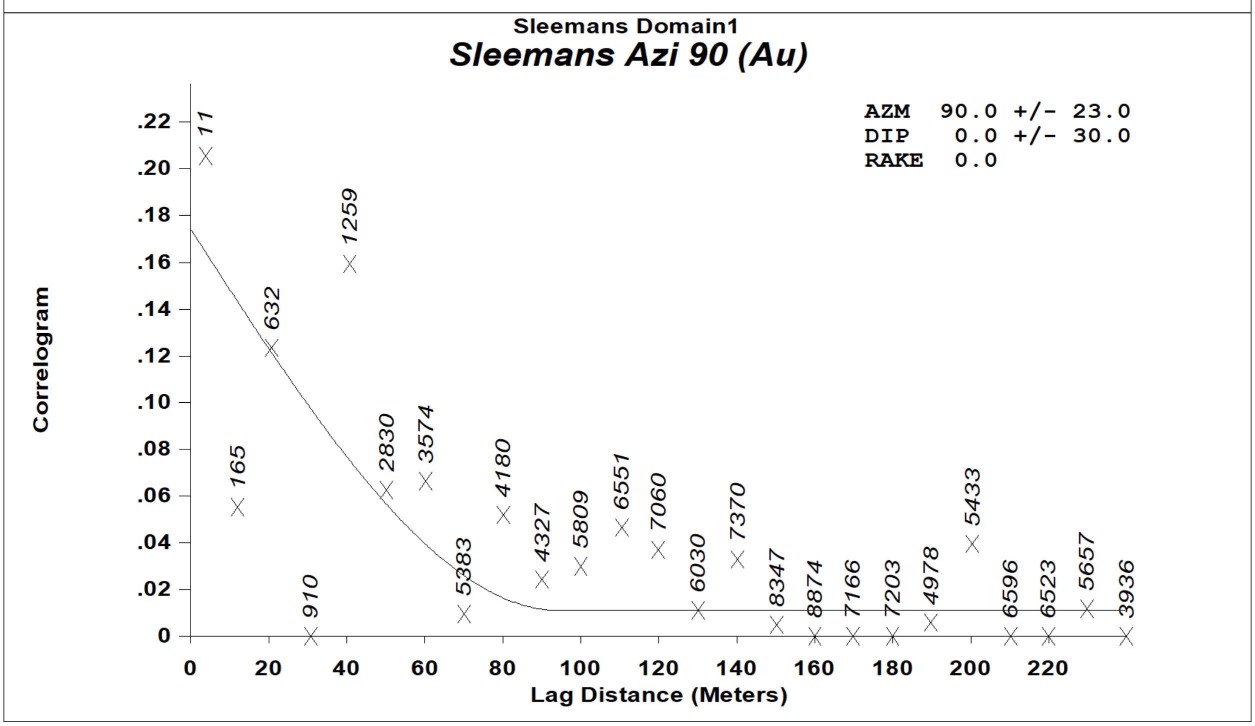


Figure 15 Sleemans Correlograms, Top: Omnidirectional, Bottom: At Azimuth 90

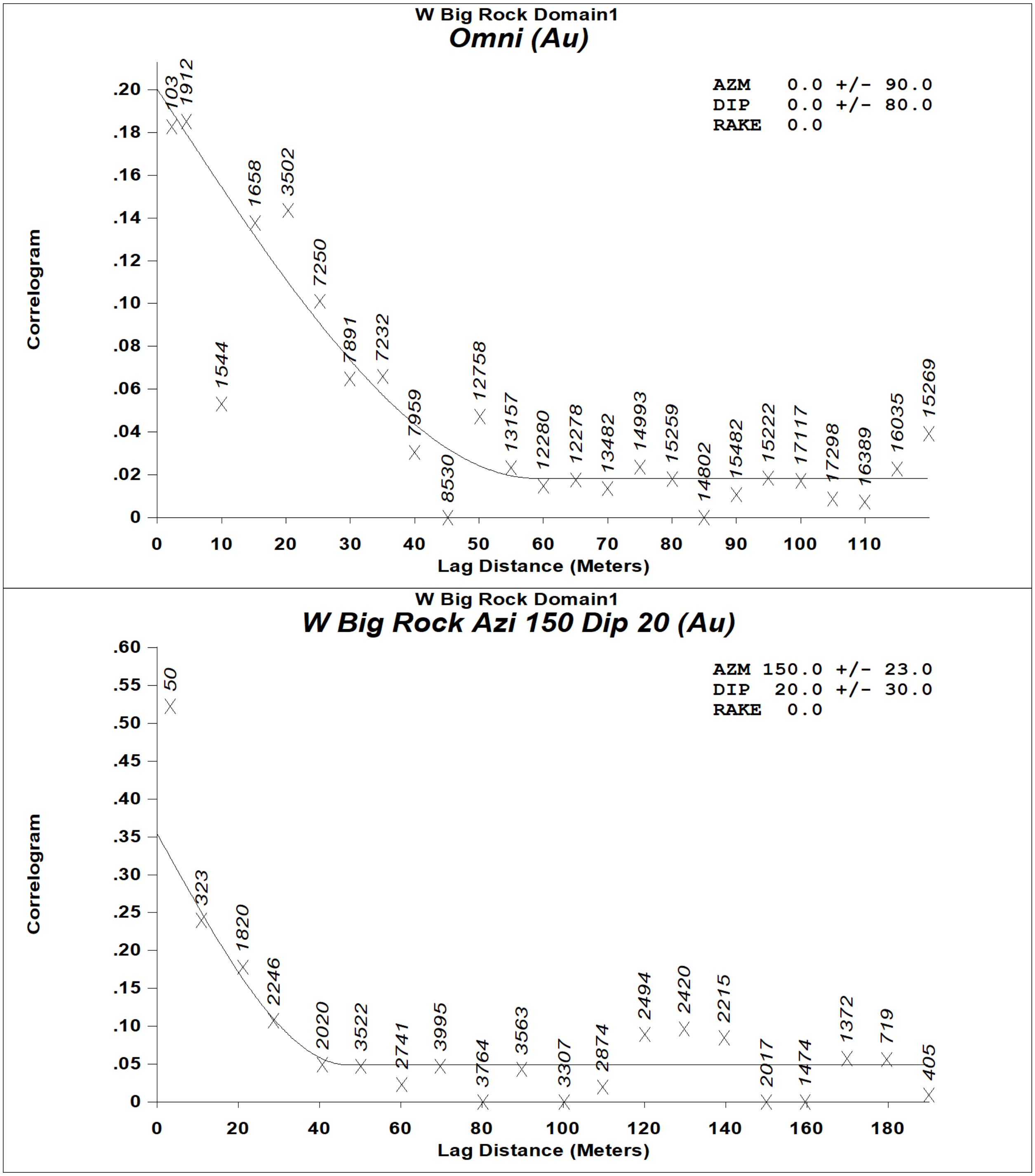


Figure 16 West Big Rock Correlograms, Top: Omnidirectional, Bottom: At Azimuth 150 and Dip 20