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BC Geological Survey Assessment Report 42007

Ministry of Energy and Mines
BC Geological Survey

Assessment Report Title

Page and Summary

TYPE OF REPORT [type of survey(s)]: DRILLING REPORT

TOTAL COST: $201,244.76

AUTHOR(S): Nicholas Gust **SIGNATURE(S):** Nicholas Gust

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): P-100000217 **YEAR OF WORK:** 2023

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 6008369

PROPERTY NAME: Morehead Creek

CLAIM NAME(S) (on which the work was done): 1099763

COMMODITIES SOUGHT: Gold

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Cariboo **NTS/BCGS:** 093A

LATITUDE: 52 ° 37 '22.164 " **LONGITUDE:** 121 ° 48 '2.876 " **(at centre of work)**

OWNER(S):

1) Gavin Nicol 2)

MAILING ADDRESS:
13775 - 31 AVE
SURREY, BC, V4P 2B7

OPERATOR(S) [who paid for the work]:

1) 1271923 B.C. LTD 2)

MAILING ADDRESS:
13775 - 31 AVE
SURREY, BC, V4P 2B7

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Quesnel Terrane, mafic tuffaceous beds, black shale, siltstone and sandstone of Middle Triassic age, olivine-bearing, pyroxene-phyric basaltic pillow lava, breccia and tuff of Karnian to Norian age Intrusive rocks comprise small stocks and high-level dykes of diorite, monzonite and syenite compositions. Plutonism was contemporaneous with Lower Jurassic volcanism as evidenced by the presence of clasts of plutonic rocks within volcanic

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 28001, 15000 24365

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TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic	12km		
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core	**Reverse Circulation (550 feet)**	**1099763**	**$201,244.76**
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	$201,244.76

DRILLING REPORT on the

Morehead Creek Property

Tenure # 1099763

Cariboo Mining Division

Map 093A

DATE OF REPORT
April 28, 2023

Claim owner:
Gavin Nicol

REPORT PREPARED BY
Nicholas Gust

CENTER OF WORK
Lat. 52°37'22.164"N , Long. 121°48'2.876"W

Table of Contents

Introduction

In August and September 2023, a drilling exploration program was conducted on the Morehead Creek Property by 1271923 B.C. Ltd. This program followed a detailed seismic survey that had previously highlighted a concealed paleochannel, suggesting potential for significant mineral deposits beneath the surface.

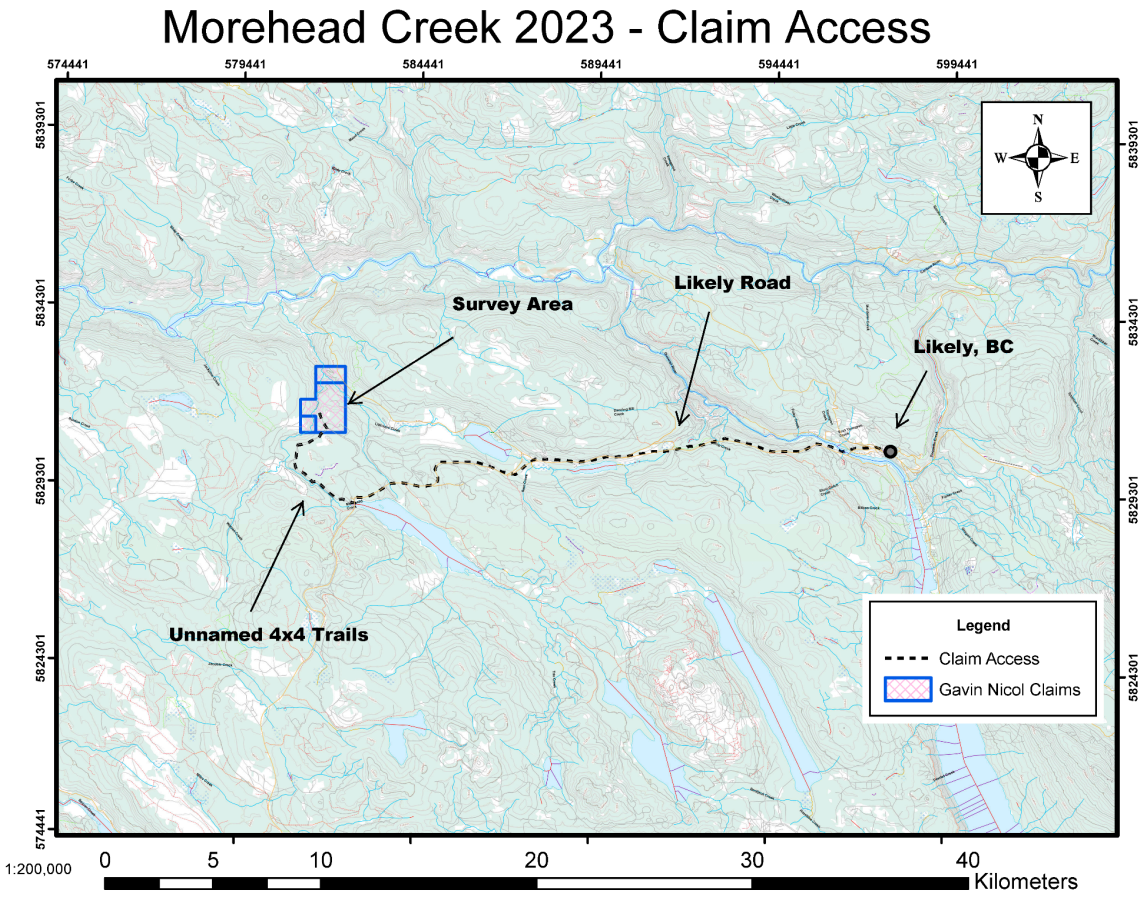
The primary objective of this exploration program was to validate the presence of the paleochannel, characterized earlier by seismic methods. The team aimed to gather comprehensive information and data on the paleochannel's dimensions, structure, and potential mineral content, including possible gold occurrences.

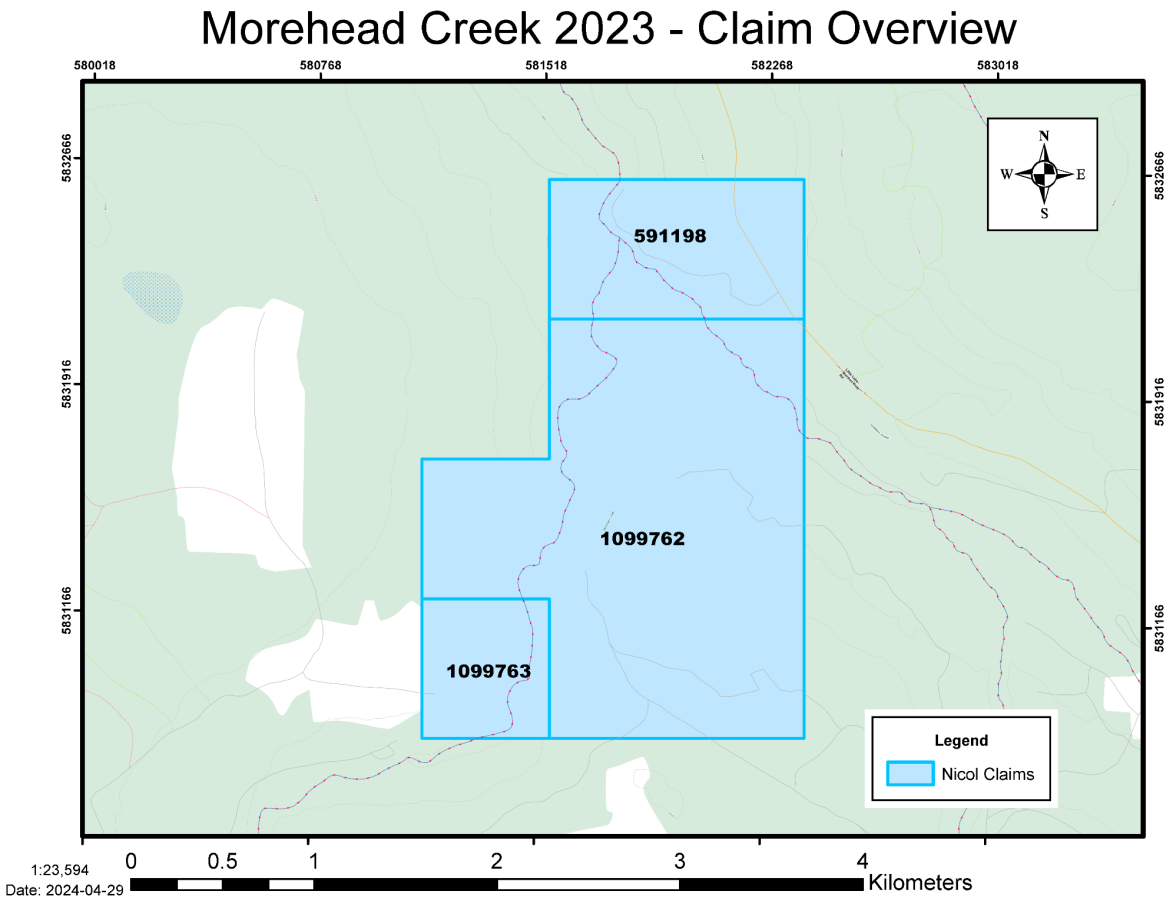
To effectively meet these goals, the company deployed a reverse circulation (RC) drill, selected for its efficiency in penetrating the gravels and assessing the gold grades within the property. Throughout the 2023 exploration program, the team successfully drilled a total of 550 feet across 4 different drill holes. Each sample extracted was meticulously analyzed and documented, providing valuable insights into the geological and mineral characteristics of the area.

These efforts are part of a broader strategy to assess the economic viability of mining operations on the Morehead Creek Property, with the ultimate goal of developing a profitable mining project. The results of this drilling program are expected to play a crucial role in determining the next steps for exploration and potential development.

Location and Access

The Morehead Creek placer claims are located in the province of British Columbia, Canada, in the Cariboo regional district. The Morehead Creek claims are located 13 kilometers west of Likely, B.C. There are unnamed dirt roads that provide access to the survey area off of Likely Road.





Property Description

The property consists of three placer claims, tenure numbers 1099762, 1099763, and 591198. The total workable area is 195 hectares.

This area of the cariboo is within the Quesnel Highland region in east central, British Columbia, which lies between the Cariboo Plateau and the Cariboo Mountains. The ground elevation gradually rises in an easterly direction across the width of the highland area from 1,500 m to over 2,000 m ASL. The Cariboo Plateau is deeply incised by the Quesnel Lake and Quesnel River valley where elevations are 300 to 500 m lower than the Plateau. At the confluence of the Quesnel and Cariboo Rivers the elevation is about 640 m ASL.

Local vegetation consists of pine, spruce, birch, and poplar forests with thick alder and willow swamps in areas of low relief. This area is underlain primarily by folded schistose rocks with infolds of volcanic and sedimentary rocks

Previous Work

Records of gold mining in the Quesnel River area date back to the earliest history of placer mining in British Columbia. There is mention as early as 1852 of First Nations trading gold nuggets from unknown sources at the Hudson's Bay Company trading post at Kamloops. The Cariboo Gold Rush began in 1859 and the entire Cariboo region experienced a large influx of miners and prospectors.

In 1859 placer gold was discovered on the banks of the Quesnel River in that area that soon became the settlement of Quesnel Forks. That same year placer gold was found in the Horsefly River where early miners were reported to be pulling out 101 ounces per week.

The following year prospectors worked their way up to Keithly and Antler creeks and were rewarded with very rich placer deposits. Between 1874 and 1945, a recorded 827,741 ounces of gold, valued at $14,898,601, was recovered from the Cariboo goldfields (Holland, 1950). Gold exploration and production has been continuous in the area since the beginning of the Cariboo Gold Rush.

In 1964, copper mineralization was discovered at Mount Polley to the south of the Canyon Creek claims, the mine was originally called the Cariboo Bell and later re-named Mount Polley. The Mount Polley copper-gold porphyry initial pit reserves are stated to be 48.8 million tonnes of material with an average grade of 0.38% copper and 0.56 g/t gold (Nikic et al., 1995).

In 1859 Thomas “Dancing Bill” Lather discovered placer gold in what is now referred to as Dancing Bill Gulch. The deposit was later named China Pit and later changed again to the Bullion Pit. The Bullion Pit was one of the largest placer mines in the world at the time. The greatest amount of production was through the periods 1894 to 1905 and 1934 to 1941. Approximately 171,000 ounces (5320 kg) was recovered up to 1942 (Panteleyev, et al, 1997).

The Bullion Pit lies 15km due East of the Canyon Creek property. An elaborate system of dams and ditches were emplaced in order to bring water to the Bullion Pit Mine where the principal mining method was hydraulic mining. Ditches connected both Polley Lake and Morehead Lake to the Bullion Pit. Most of these ditches are still present although some have been bulldozed flat and used as roadways.

The bullion channel (the paleochannel that was mined at the Bullion Pit) is speculated to continue immediately to the East of the current Canyon Creek claims. There is another paleochannel called the Morehead Channel that is speculated to

pass through the claim area.

Production from the Morehead workings was recorded in 1950 and stated to be 1,538 ounces of gold valued at $30,166 (Holland, 1950).

A refraction seismic survey (ARIS# 15000) was carried out in the vicinity of the Canyon Creek claims in 1986 in the area South of Prior Lake. Three lines were surveyed and showed some evidence for the Morehead Channel. Line 2 of the survey had good results. According to the 1986 report “The bedrock low in the center of the line suggests a classical erosion channel.”

A more comprehensive seismic survey took place in 1994 in the area between the Canyon Creek claims around Morehead Creek. The 1994 refraction seismic survey was successful in proving the existence and location of a paleochannel called the Priority Channel. The channel was mapped for approximately 500 meters from the site of the Priority workings on the edge of Morehead Creek in an Easterly direction. A magnetometer survey was conducted at the same time with inconclusive results.

Passive seismic surveys were conducted in 2020, 2021 and 2022 by the current claim owners which identified parts of a paleochannel system.

Regional Geology

The regional geology has been mapped and described by a variety of writers, including Bailey (1976, 1978,1988, 1989 & 1990), Bloodgood (1988), Campbell (1978), Morton (1976), Panteleyev (1987, 1988 &1989), Rees (1987), Struik (1983 & 1987) and Tipper (1978). The following is an excerpt taken from the 2006 assessment report by Dave Bailey:

“The Property occurs within the Central Quesnel Terrane of the Canadian Cordillera, an island arc volcanic and sedimentary assemblage that developed to the west of the North American plate during Middle Triassic to Lower Jurassic times. The Quesnel island arc was transported eastward and collided with the North American plate during late Lower Jurassic or Middle Jurassic. The geology of the Central Quesnel Terrane has been described by Bailey (1988, 1989, and 1990), Bloodgood (1988, 1989), Panteleyev, 1987, 1988) and Rees (1987), work which was summarized and compiled by Panteleyev et al (1996). Mineral deposits related to Lower Jurassic volcanism of Quesnellia have been summarised by Barr et al (1975). The regional geological setting of the Lloyd-Nordik-Glengarry area claim is shown in Figure 4 (after Bailey, 1990).

Oldest strata within Quesnellia are black shale, siltstone and sandstone of Middle Triassic age and which are well exposed along the eastern margin of Quesnellia and less so in the western part of the belt. Uppermost strata of this unit contain mafic tuffaceous beds and which mark the onset of basaltic volcanism within the developing arc. Overlying these rocks are olivine-bearing, pyroxene-phyric basaltic pillow lava, breccia and tuff of Karnian to Norian age and which, in turn, are overlain by basaltic breccia and tuff that lacks olivine but often contains hornblende as well as diopsidic augite. The top of the basaltic unit is often marked by analcitic and feldsparphyric basalt or basaltic andesite, tuffaceous and calcareous sandstone and lenses of limestone. Upper Triassic volcanism was probably along extensional faults that developed along the central axis of the Quesnel island arc and was mainly submarine in nature.

Basaltic volcanism ceased during the Norian Stage and, after a depositional hiatus during the Early Jurassic Hettangian Stage, renewed volcanism began, this time from central vents arranged along the arc axis. Jurassic volcanic products consist of volcanic breccia and tuff and their reworked products, conglomerate and tuffaceous sandstone. The degree of reworking increases away from a central vent area. Breccias proximal to vents are commonly monomictic and are characterized by felsic clasts of trachytic composition. In places clasts of syenite or monzonite are also

common. Distal breccias, on the other hand, are polymictic and contain clasts of underlying basalt as well as clasts of felsic composition.

Following felsic volcanism, a basaltic unit was deposited in a shallow marine and subaerial environment and epiclastic sedimentary strata. These younger strata are probably of Pliensbachian to Bajocian age and represent the final depositional events before the collision of Quesnellia with ancestral North America.

Intrusive rocks comprise small stocks and high-level dykes of diorite, monzonite and syenite compositions and commonly, although not always, occupy central volcanic vent areas. Plutonism was contemporaneous with Lower Jurassic volcanism as evidenced by the presence of clasts of plutonic rocks within volcanic breccia. A later group of intrusions are of quartz monzonite to granite composition and are probably of Cretaceous age.

Except along the eastern margin of Quesnellia where thrust faulting and strong penetrative deformation occurs within the lowermost, mainly phyllitic, strata, deformation within the Quesnel Terrane is marked by high angle extensional faulting both parallel to, and oblique to, the terrane margins. The eastern margin of the central Quesnel Terrane is marked by a thrust fault known as the Eureka Thrust while the western margin is probably a high angle fault between Quesnellia to the east and the older Cache Creek Terrane to the west.”

Work Summary

Reverse Circulation Drilling

The company purchased a Multipower Prospector RC drill and support equipment to accommodate the drilling program. The RC rig drills a 4-½" diameter hole with 10-foot rod sections. A carbide-tipped tricone bit was used on this project. A three-man drill crew was utilized to operate the drilling rig.

A total of 4 holes were drilled in 2023 with a cumulative total of 550 feet drilled.

Sample Processing

The company had an additional two-man crew to process the samples and record the results. Samples were collected in 5-gallon pails and labeled for each 10-foot drill section. Each section was washed together through a long tom and concentrated. Prior to washing the number of pails and volume of material for each pail was recorded giving an accurate measurement of the total sample volume.

The sample concentrates were further panned and sent off to West Coast Placer in Mission, BC for further analysis. Each sample was screened to 3 different mesh sizes (10, 30, and 50) and panned down to a 50ml concentrate. The concentrate was scanned using a proprietary scanning device and a computer algorithm was used to scan the concentrates and measure the size, distribution, and weight of all gold particles.

The scanning device used is a flatbed scanner with a custom tray for scanning wet placer concentrates. The scanner is used to take a high-resolution photo of the prepared concentrate. Once the image is created a computer algorithm identifies all the particles of gold based on the colour and circularity. The surface area of each gold particle is measured giving a count of total particles, their sizes, and distribution. The mass is calculated by approximating the thickness of each particle. This

algorithm has been tested on a large dataset of placer samples and calibrated using fire assays as a comparison.

The samples were processed by Nicholas Gust who is trained in the application of this technique. This is a new technique that offers several advantages over the traditional method of drying and weighing placer samples. Namely, it can be done without having to dry each sample, it does not require separating the gold from black sands completely, and it gives a distribution of mesh sizes.

The results of each sample are shown in the appendix section of this report.

The table below summarizes the drill holes from this program:

Drill Hole	Latitude	Longitude	Depth (ft)	Bedrock Depth (ft)	Best Gold (mg/yd)
L15H5	52.623158	-121.801462	80	Unknown	272.85
L15H6	52.622818	-121.800809	210	200	227.37
L15H7	52.622987	-121.80116	150	135	307.63
L15H8	52.622411	-121.816448	80	80	1602.89

Conclusion

The 2023 drill results confirmed the presence of a paleochannel. The bedrock depths intercepted by the RC drill matched closely to the results from the passive seismic surveys that were performed in previous years.

The gold grades encountered were exciting. Holes 5, 6 and 7 all had grades over 200 mg/yd.

Drilling will continue in 2024. The drill program will be expanded to cover many more holes than were drilled in 2023.

Costs

Personnel	Days	Rate	Travel	Subtotal
Joseph Gutman - Manager	13	$650.00	450	$8,900.00
Micky Macintosh - Geo Tech	13	$500.00	500	$7,000.00
Jeremy Anderson - Driller	13	$500.00	500	$7,000.00
Felix - Drill Helper	13	$500.00	500	$7,000.00
Dayshaun Anderson - Drill Helper	13	$500.00	500	$7,000.00
Report Writing and Data Processing				$1,697.88
Crew Subtotal				$38,597.88

Equipment	Days	Rate	Subtotal
Multipower Prospector 1 RC Drill	13	$7,500.00	$97,500.00
Marooka	13	$400.00	$5,200.00
Truck - Silverado 2500	13	$158.50	$2,060.50
Truck - Ram 5500	13	$288.50	$3,750.50
Truck - Ram 3500	13	$218.50	$2,840.50
Yannmar Track Carrier	13	$388.50	$5,050.50
8000L Fuel Tank	13	$25.00	$325.00
Yamaha ATV x2	13	$150.00	$1,950.00
Argo ATV	13	$70.00	$910.00
Cat D4 Bulldozer	13	$388.50	$5,050.50
RV Rental (multiple RVs)	13	$150.00	$1,950.00
Porto-Potty Rental	13	$60.00	$780.00
Generator Rental	13	$50.00	$650.00
Additional Fuel usage	13	$1,500.00	$19,500.00
Cat 980C Loader	13	$223.50	$2,905.50
Bit, tooling wear, and fluid costs (per meter)	195	$15.00	$2,925.00
Mob and Demobilization Costs	Combined all equipment		$9,298.88
Equipment Subtotal			**$162,646.88**
Total Costs			**$201,244.76**

References

Holland, S.S., 1950, Placer gold production of British Columbia: British Columbia Geological Survey, Bulletin 28, 89 p.

Panteleyev, A., Bailey, D.G., Bloodgood, M.A., & Hancock, K.D., 1996, Geology and mineral deposits of the Quesnel River – Horsefly map area, central Quesnel Trough, British Columbia. NTS map sheets 93A/5, 6, 7, 11, 12, 13; 93B/9, 16; 93G/1; 93H/4. BC Geological Survey Branch, Bulletin 97.

Bailey, D., 2005: Assessment Report – Geological Exploration on the October West Claim. Valley High Ventures Ltd AR 28001.

Cooker, G., 1986: Assessment Report – Geophysical Report on Six Placer Leases. Strata Energy Corporation AR 28001.

Javorsky, D., 1996: Assessment Report – Geophysical Prospecting Report on the Priority Placer Mine. AR 28001.

Statement of Qualifications

I, Nicholas Gust, of the city of Mission, in the province of British Columbia do hereby certify that:

1. I am a graduate of the University of Calgary with a B.Sc.in Geophysics. I am also a graduate of the Southern Alberta Institute of Technology and hold a diploma in Exploration Technology.

2. I have received training from the developer of the placer scanning system used in this report. I have extensive experience in placer sample processing.

3. I have worked in the exploration industry and have been conducting geophysical surveys, exploration, and drilling programs since 2008. I have experience in conducting placer-specific drill programs in BC and the Yukon.

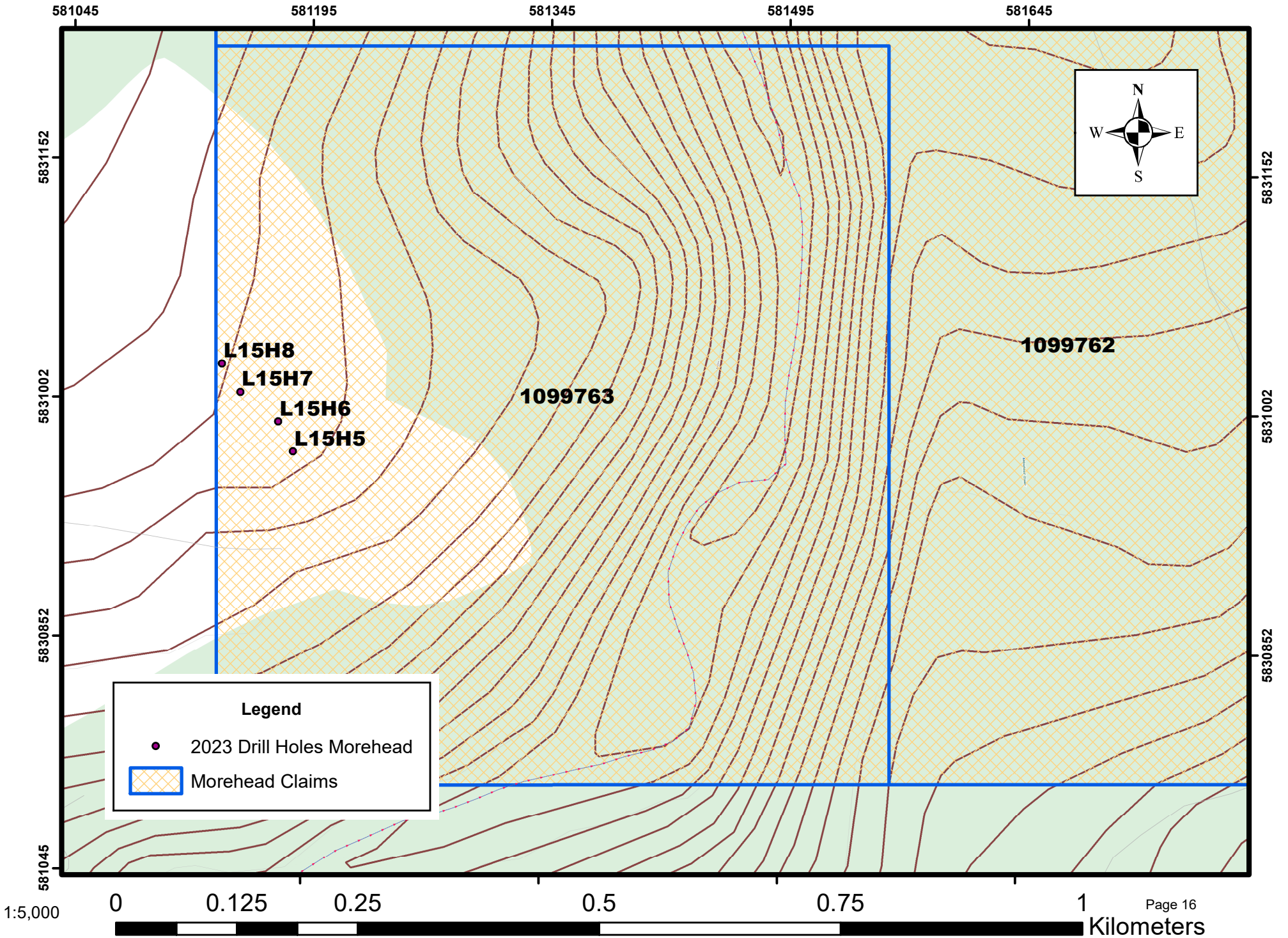
4. This report is compiled and interpreted from data obtained from a placer drilling program. The samples were processed by me with equipment owned by my company, West Coast Placer.

5. I have based the conclusions and recommendations contained in this report on my knowledge of placer gold exploration, my previous experience, and the results of the field work conducted on the property.

Nicholas Gust

Appendix I:
Maps

Morehead Creek 2023 - Drilling Locations

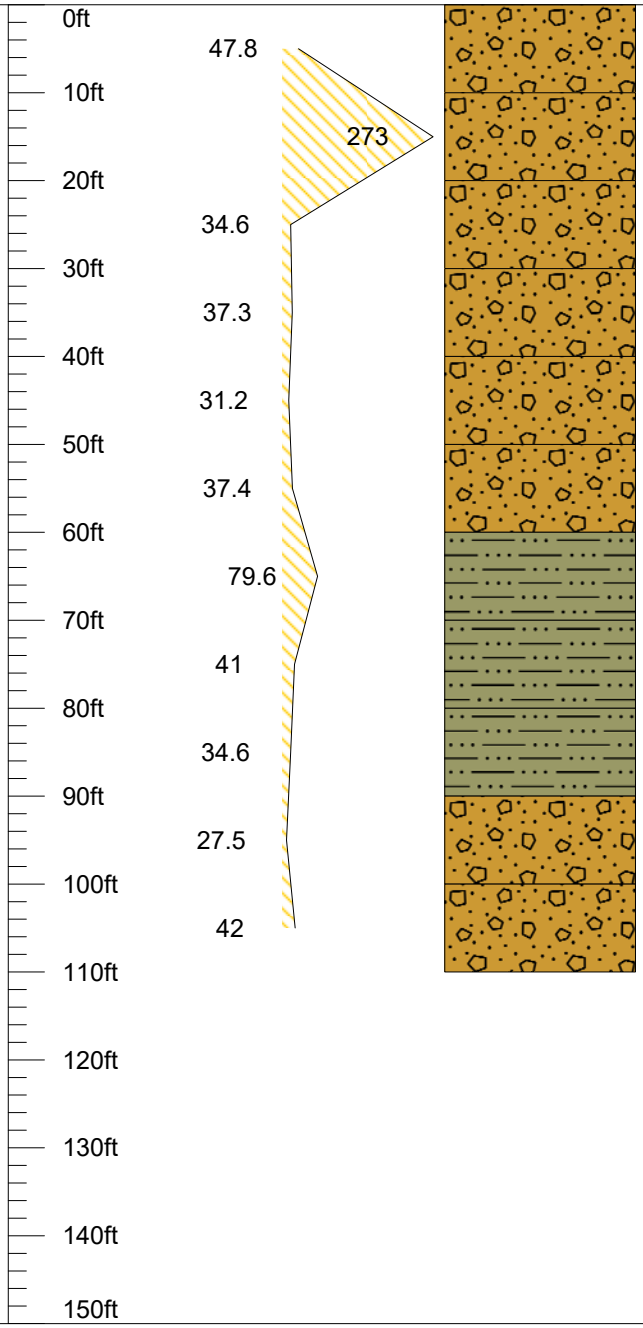


Appendix II:
Drill Logs

Latitude	52.62264800
Longitude	-121.80067200
Total Depth	110 feet

Hole ID: L15H5

Date: Sept 2, 2023



Description
Small, round rock
Larger round and light colored rock
Fine round rock, then larger light colored rock
Larger brown rock, then angular light rock
Light colored small, round rock at start, then angular, then silt. 46 ft large round rock.
Small round rock and angular rock. Pure silt after 57 ft.
All silt, some rock in it, at bottom
All silt all of the time
1 foot of silt, then rock and silt. Lower mostly silt and larger rock
River round rocks, mixed of angular and round rocks, mixed colors
Smaller rocks, pebbles, mixed, of river run and angular rocks. More moisture, large sand particles. At 105 feet seemed to change to brown sand and very few rocks.

Legend

Bedrock
Cobbles
Sand
Clay
Gravel
Silt

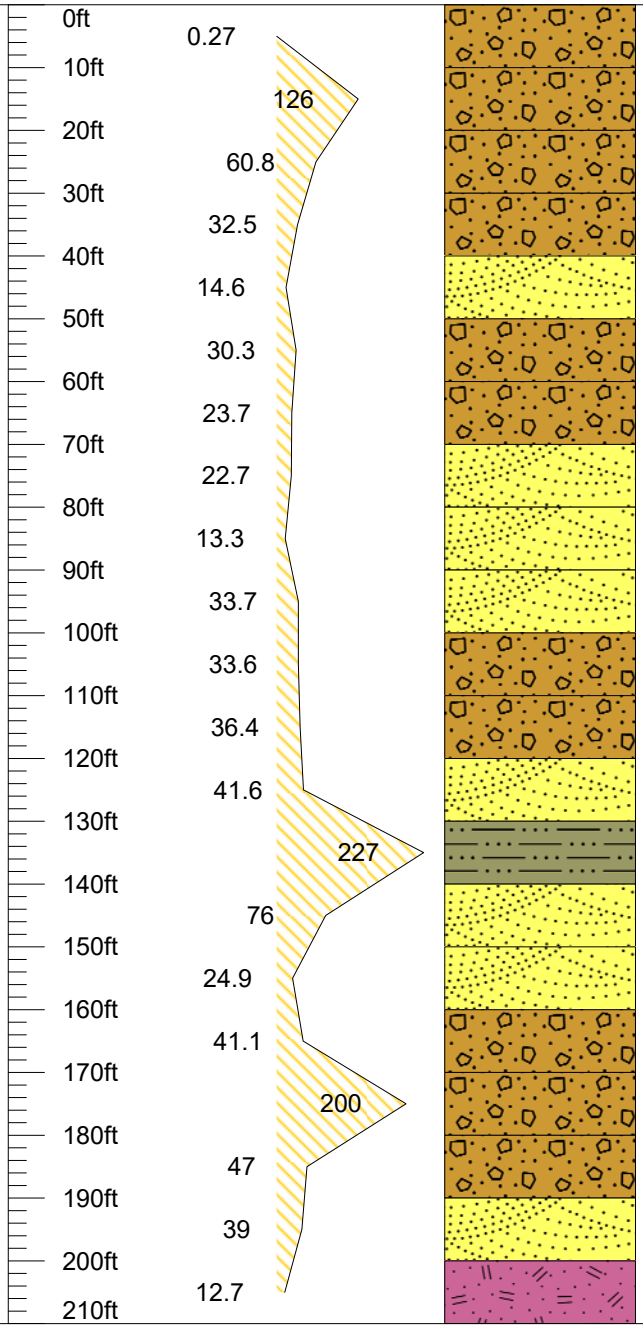
Drill log prepared by:

WestCoastPlacer

Latitude	52.62281800
Longitude	-121.80080900
Total Depth	210 feet

Hole ID: L15H6

Date: August 28, 2023



Description
Brown sand - angular rocks - mixed rock type, lighter colored sand
Brown sand - mixed with angular rocks. Gravel. mix of rocks 1 inch in size
Small mix of rocks, mix of larger 2 inch rock, quartz, purple rock at 28 ft. Dry beach sand mixed with rocks
Moisture sand, angular rocks, moisture, dry mix of angular rock. At 38 ft, moisture sand and mixed rock mostly angular
Wet sand, brown sand, very small particles of clay
Dry white mixed angular rocks, with sand. At 56 ft, wet moisture mix of angular rocks. At 58 ft smaller dry rocks, and river run gravel 2 inches in size
River round rocks, 1-2 inches in size. Wet rocks, then at 67 ft wet sand
Wet sand. A few angular rocks with sand
Beach sand, dry, white. Many shiny particles. Suspected gold...
Wet brown sand. Tiny pebbles. At 95 ft, angular rocks, sharp edges
Mix of angular rocks - river run rocks 2 inches in size
Rock chips light color and sand silt
Dry sand turning into silt
All silt
Dry sand - black rock
Dry sand, beach sand, moisture. Angular rocks
Mixed rock - dry angular and round rocks, river run rocks 2 inches in size
Angular, sharp-edged rock; At 172 ft granite boulder; At 175 ft white beach sand mixed with shiny pieces - suspected gold.
Mixed every 2 feet, it changes from beach sand to a mix of river run round rocks and angular sharp edged rocks. In all of them there is something shiny as it comes out
Wet sand, grounded sand.

Legend

Bedrock
Clay
Cobbles
Gravel
Sand
Silt

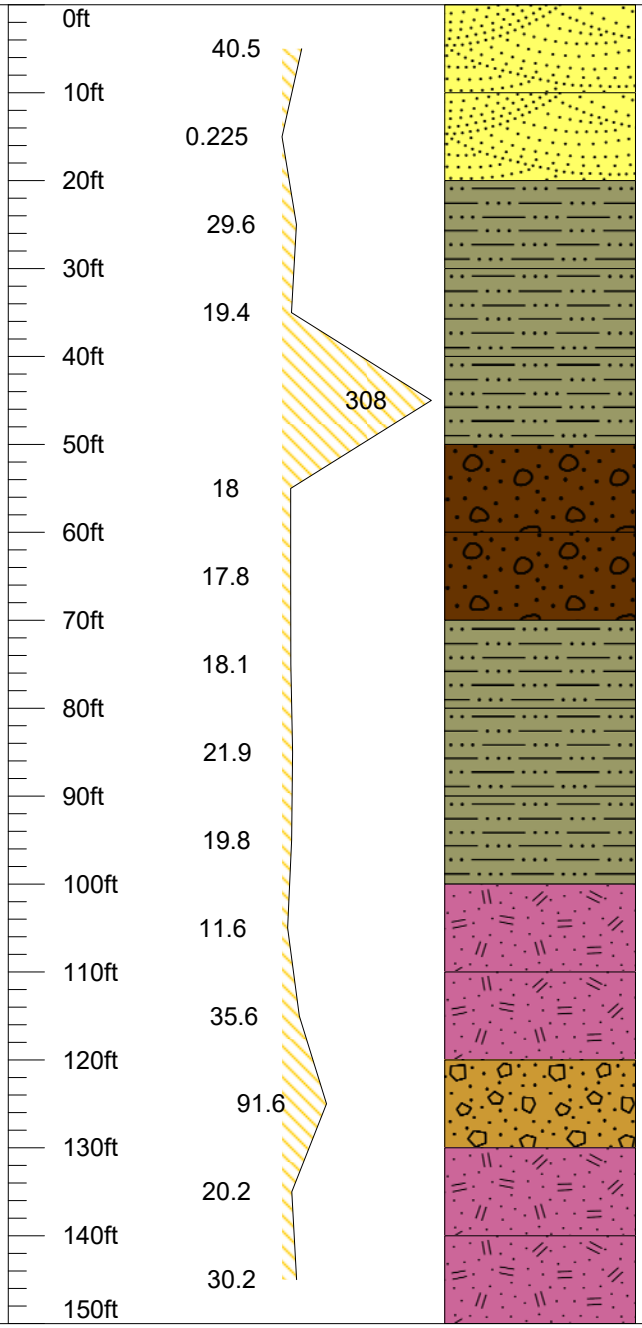
Drill log prepared by:

WestCoastPlacer

Latitude	52.62298700
Longitude	-121.80116100
Total Depth	150 feet

Hole ID: L15H7

Date: August 22, 2023



Depth	Lithology	Description
0ft		Brown sand - boulder at 5 ft. Intercepted some white and some purple angular rocks
10ft		Brown sand pebble, large light brown rock, large sand stone rock, 2 layers of silt
20ft		Larger angular rock, silt, pebbles of silt. Moist at the tip, less moist lower
30ft		Gravel-like material with silt, rocks larger deeper
40ft		Gravel-like plus silt, rock size increases at depth, bottom pure silt
50ft		Angular rock, lots of rock. Some large near bottom, then silt
60ft		Starts with angular rock, then sand, then smaller rock, then sand
70ft		Sand to start, then silt for 9 ft
80ft		Just silt
90ft		Started in silt, then lots of rock
100ft		Started in fine rock, then larger, round and angular
110ft		Rock, sand, rock, silt, possible bedrock
120ft		Mixed gravel - dry, angular and round rocks. Broken rock - pebbles.
130ft		Mixed rock, some quartz, sand. Hit bedrock at 135 ft
140ft		Purple, grey bedrock. Dry. Bedrock starts at 135 ft
150ft		

Legend

Bedrock
Cobbles
Sand
Clay
Gravel
Silt

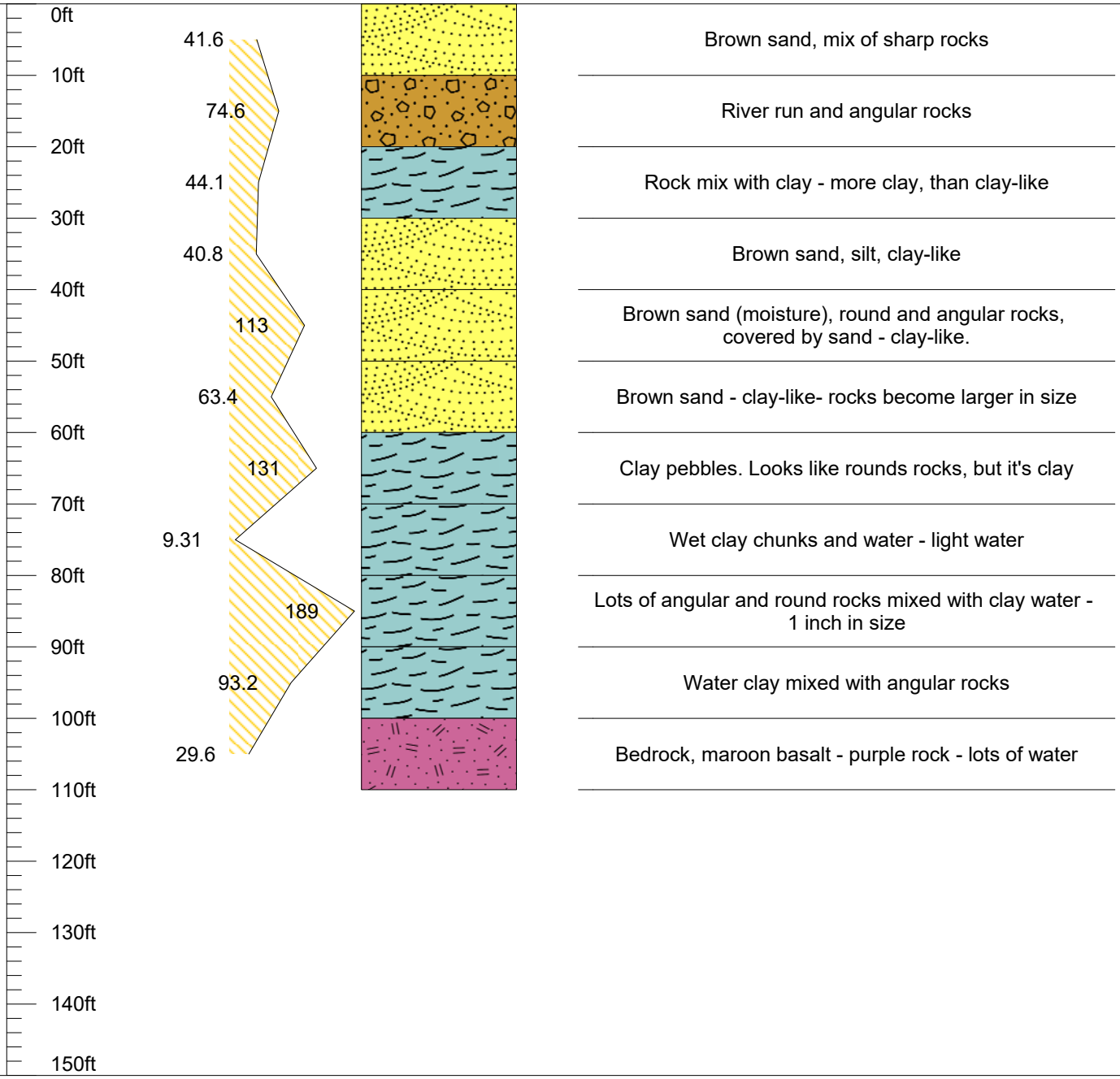
Drill log prepared by:

WestCoastPlacer

Latitude	52.62315800
Longitude	-121.80146200
Total Depth	80 feet

Hole ID: L15H8

Date: August 22, 2023



Legend

Bedrock
Clay
Cobbles
Gravel
Sand
Silt

Drill log prepared by:

WestCoastPlacer

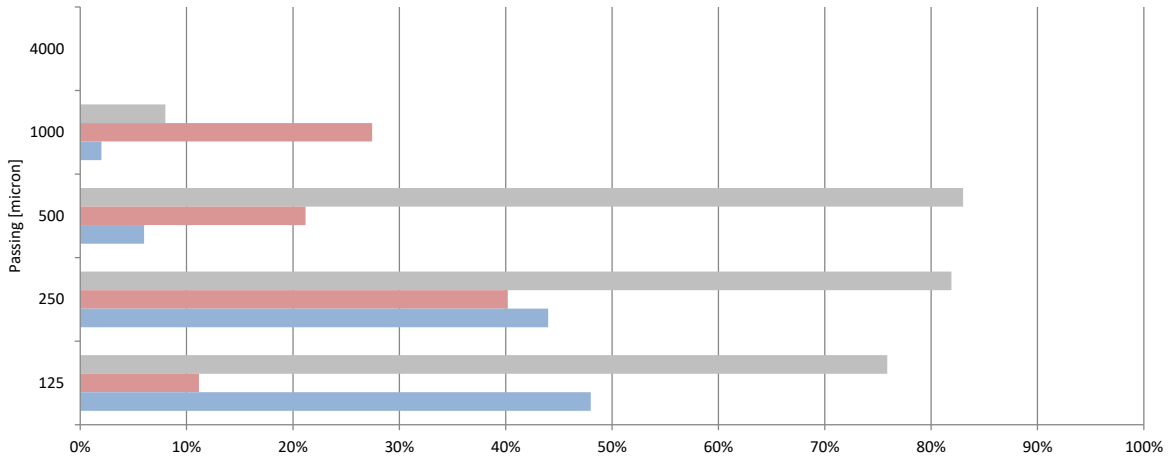
Appendix III:
Sample Reports

WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H5 0-10
Easting		52.622648
Northing		-121.800672
RL		
Depth	[m]	3.04
Date Processed		27-Nov-2023
Sample Weight	[t]	0.07
Sample Volume	[m³]	0.059565803
Detected Au	[mg]	2.18
Resulting Au Grade	[mg/t]	29.32
Resulting Au Grade	[mg/m³]	36.65
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	1	2%	0.60	27%	8%
500	80	3	6%	0.46	21%	83%
250	60	22	44%	0.88	40%	82%
125	40	24	48%	0.24	11%	76%
Total Detected		50	100%	2.18	100%	61%

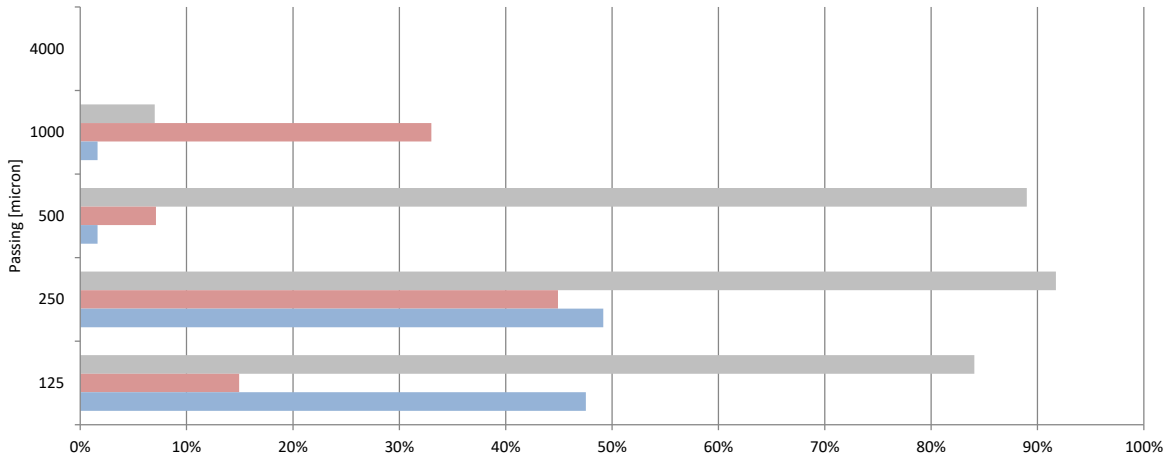


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H5 10-20
Easting		52.622648
Northing		-121.800672
RL		
Depth	[m]	6.09
Date Processed		27-Nov-2023
Sample Weight	[t]	0.12
Sample Volume	[m³]	0.099276338
Detected Au	[mg]	1.83
Resulting Au Grade	[mg/t]	14.74
Resulting Au Grade	[mg/m³]	18.42
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	1	2%	0.60	33%	7%
500	80	1	2%	0.13	7%	89%
250	60	30	49%	0.82	45%	92%
125	40	29	48%	0.27	15%	84%
Total Detected		61	100%	1.83	100%	62%

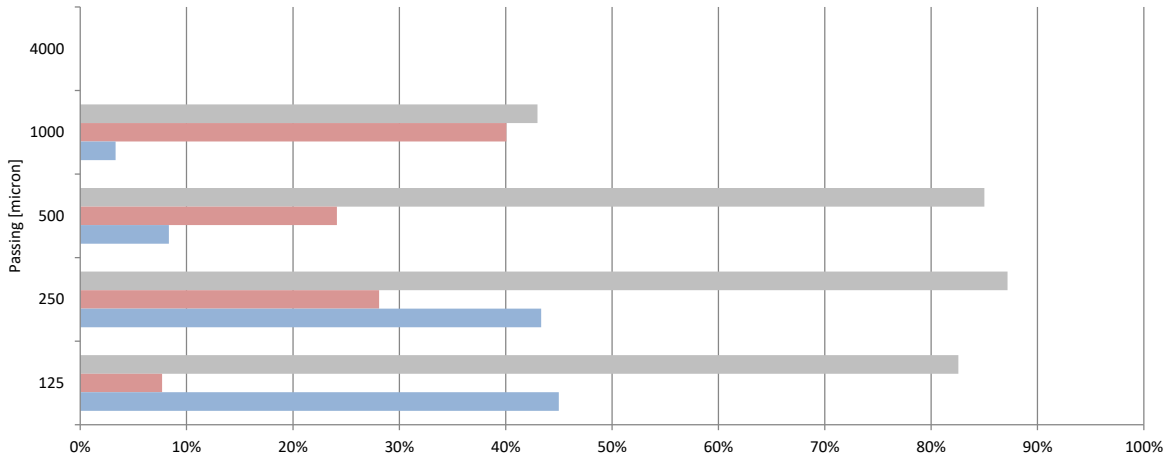


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H5 20-30
Easting		52.622648
Northing		-121.800672
RL		
Depth	[m]	9.14
Date Processed		27-Nov-2023
Sample Weight	[t]	0.12
Sample Volume	[m³]	0.099276338
Detected Au	[mg]	3.20
Resulting Au Grade	[mg/t]	25.82
Resulting Au Grade	[mg/m³]	32.28
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	2	3%	1.28	40%	43%
500	80	5	8%	0.77	24%	85%
250	60	26	43%	0.90	28%	87%
125	40	27	45%	0.25	8%	83%
Total Detected		60	100%	3.20	100%	69%

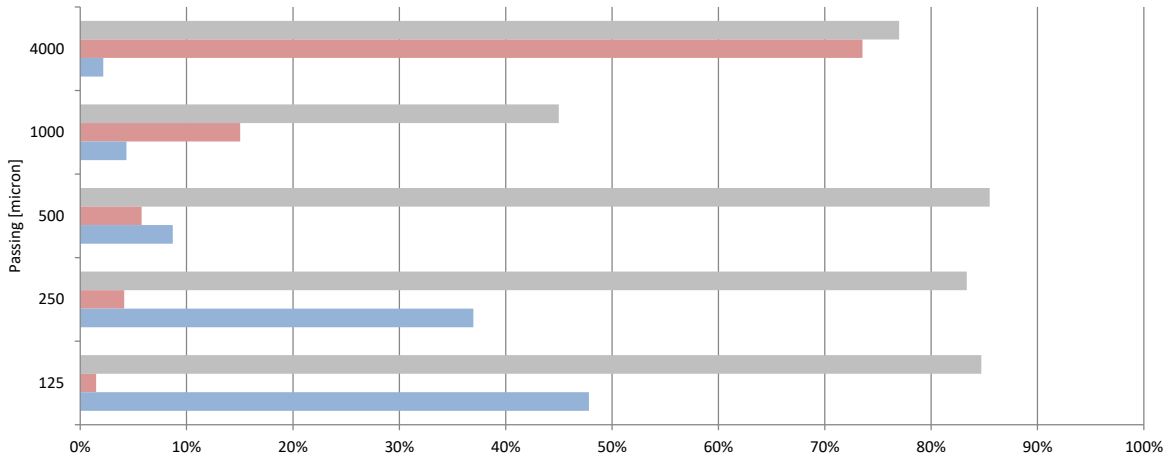


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H5 30-40
Easting		52.622648
Northing		-121.800672
RL		
Depth	[m]	12.19
Date Processed		27-Nov-2023
Sample Weight	[t]	0.22
Sample Volume	[m³]	0.178697408
Detected Au	[mg]	13.95
Resulting Au Grade	[mg/t]	62.44
Resulting Au Grade	[mg/m³]	78.05
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	1	2%	10.26	74%	77%
1000	100	2	4%	2.10	15%	45%
500	80	4	9%	0.80	6%	86%
250	60	17	37%	0.58	4%	83%
125	40	22	48%	0.21	1%	85%
Total Detected		46	100%	13.95	100%	73%

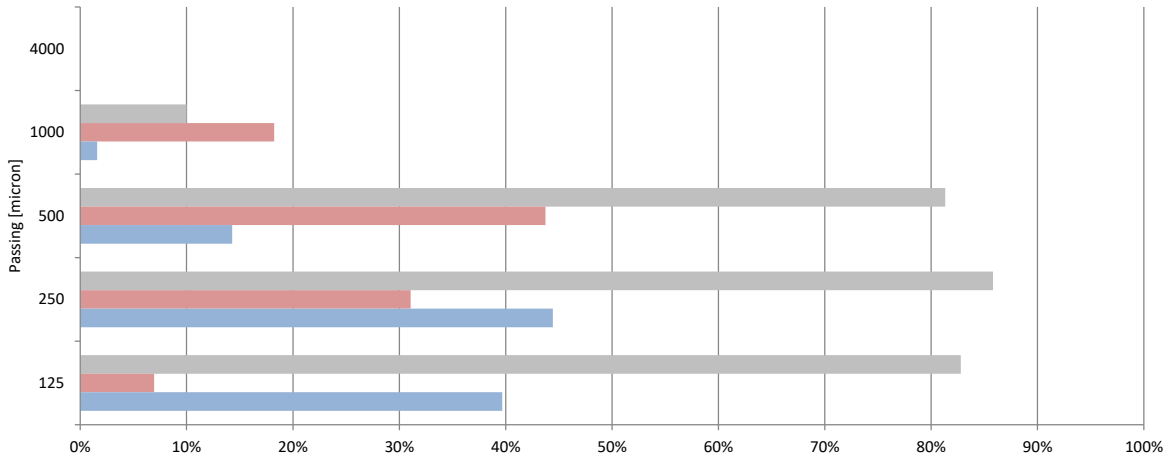


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H5 40-50
Easting		52.622648
Northing		-121.800672
RL		
Depth	[m]	15.24
Date Processed		27-Nov-2023
Sample Weight	[t]	0.35
Sample Volume	[m³]	0.277973746
Detected Au	[mg]	3.42
Resulting Au Grade	[mg/t]	9.83
Resulting Au Grade	[mg/m³]	12.29
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	1	2%	0.62	18%	10%
500	80	9	14%	1.49	44%	81%
250	60	28	44%	1.06	31%	86%
125	40	25	40%	0.24	7%	83%
Total Detected		63	100%	3.42	100%	70%

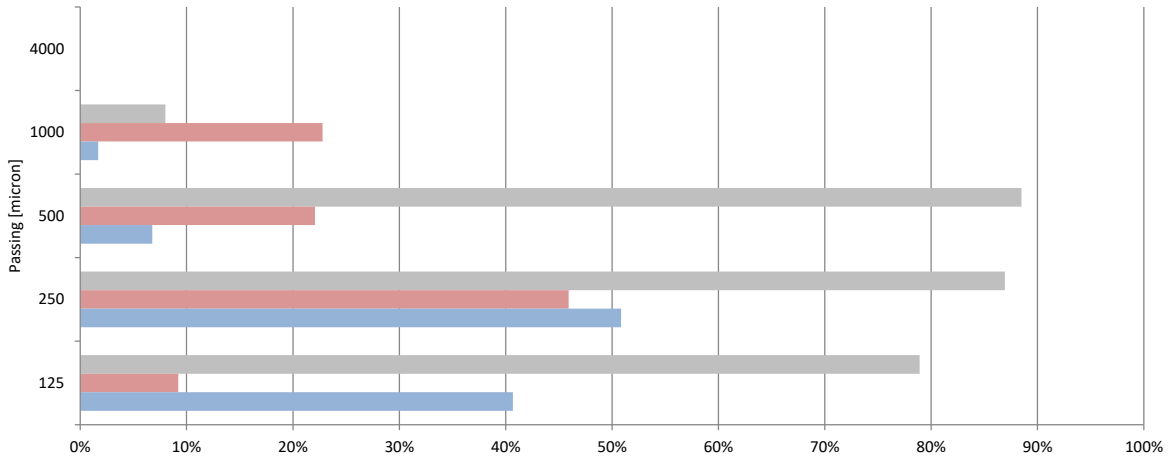


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H5 50-60
Easting		52.622648
Northing		-121.800672
RL		
Depth	[m]	18.28
Date Processed		27-Nov-2023
Sample Weight	[t]	0.25
Sample Volume	[m³]	0.198552676
Detected Au	[mg]	2.60
Resulting Au Grade	[mg/t]	10.48
Resulting Au Grade	[mg/m³]	13.09
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	1	2%	0.59	23%	8%
500	80	4	7%	0.57	22%	89%
250	60	30	51%	1.19	46%	87%
125	40	24	41%	0.24	9%	79%
Total Detected		59	100%	2.60	100%	69%

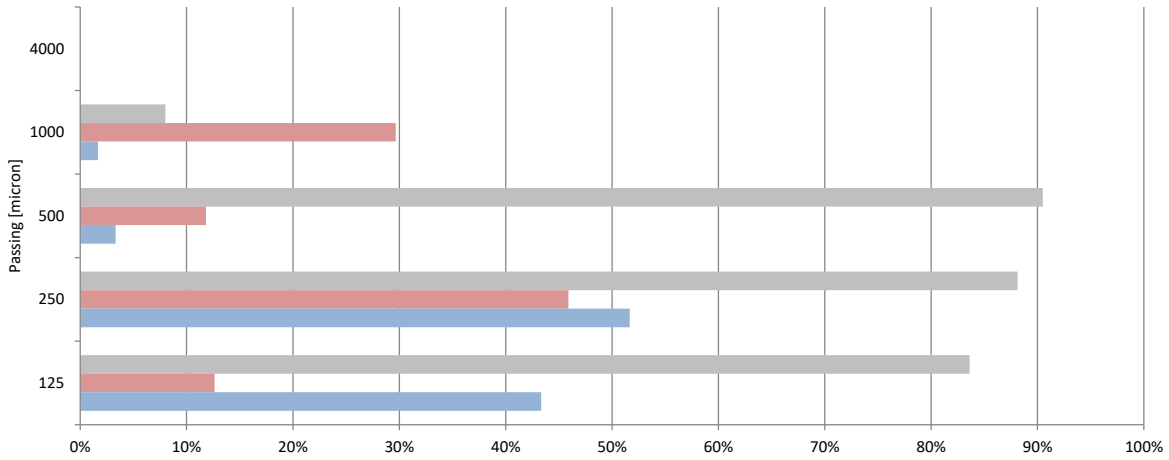


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H5 60-70
Easting		52.622648
Northing		-121.800672
RL		
Depth	[m]	21.33
Date Processed		27-Nov-2023
Sample Weight	[t]	0.12
Sample Volume	[m³]	0.099276338
Detected Au	[mg]	2.10
Resulting Au Grade	[mg/t]	16.93
Resulting Au Grade	[mg/m³]	21.16
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	1	2%	0.62	30%	8%
500	80	2	3%	0.25	12%	91%
250	60	31	52%	0.96	46%	88%
125	40	26	43%	0.27	13%	84%
Total Detected		60	100%	2.10	100%	64%

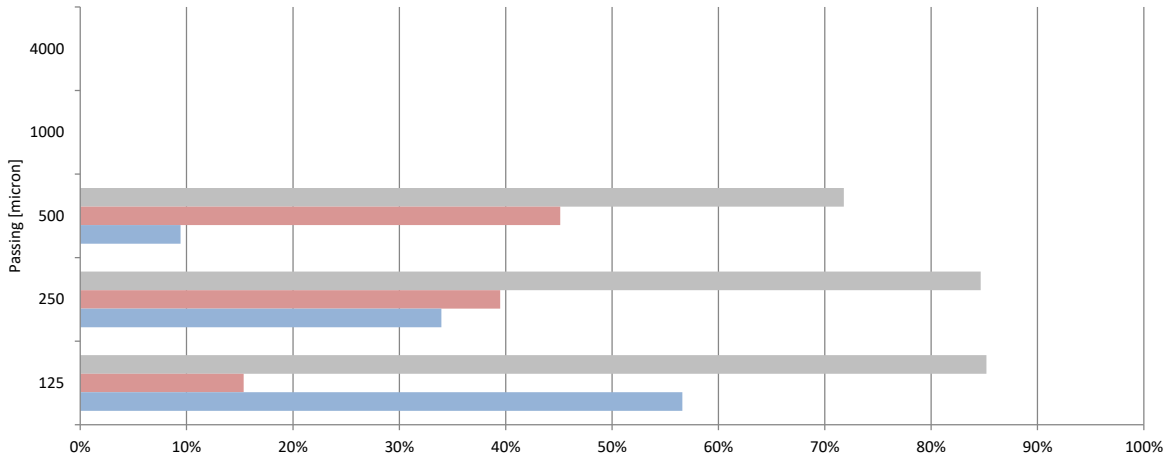


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H5 70-80
Easting		52.622648
Northing		-121.800672
RL		
Depth	[m]	24.38
Date Processed		27-Nov-2023
Sample Weight	[t]	0.22
Sample Volume	[m³]	0.178697408
Detected Au	[mg]	2.03
Resulting Au Grade	[mg/t]	9.07
Resulting Au Grade	[mg/m³]	11.34
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	0	0%	0.00	0%	0%
500	80	5	9%	0.91	45%	72%
250	60	18	34%	0.80	39%	85%
125	40	30	57%	0.31	15%	85%
Total Detected		53	100%	2.03	100%	79%

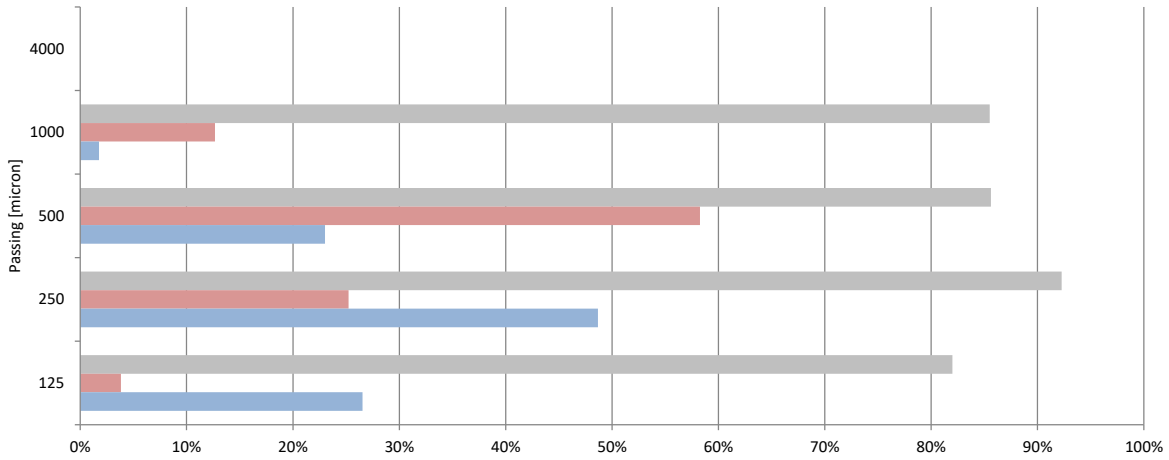


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H5 80-90
Easting		52.622648
Northing		-121.800672
RL		
Depth	[m]	27.43
Date Processed		27-Nov-2023
Sample Weight	[t]	0.45
Sample Volume	[m³]	0.357394816
Detected Au	[mg]	7.52
Resulting Au Grade	[mg/t]	16.83
Resulting Au Grade	[mg/m³]	21.04
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	2	2%	0.95	13%	86%
500	80	26	23%	4.38	58%	86%
250	60	55	49%	1.90	25%	92%
125	40	30	27%	0.29	4%	82%
Total Detected		113	100%	7.52	100%	87%

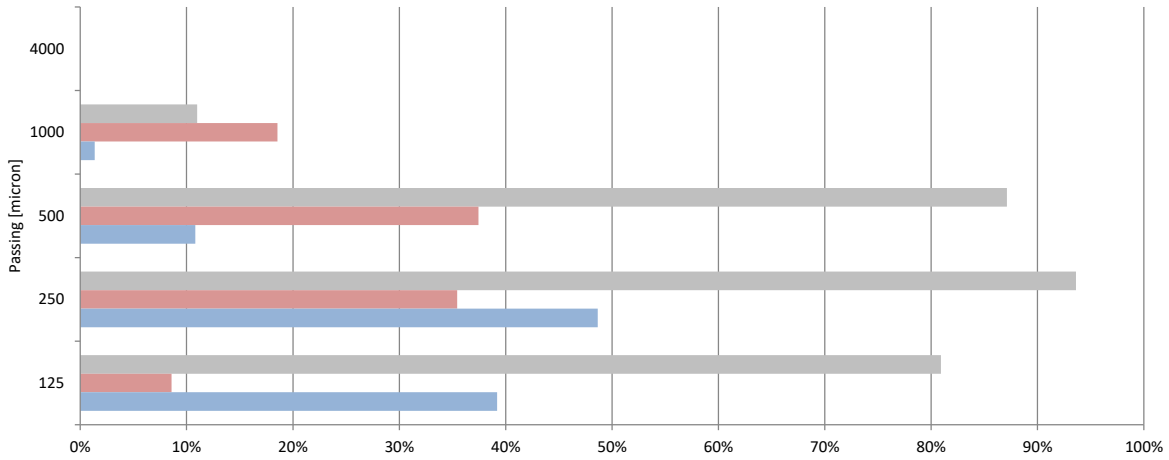


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H5 100-110
Easting		52.622648
Northing		-121.800672
RL		
Depth	[m]	33.52
Date Processed		27-Nov-2023
Sample Weight	[t]	missing
Sample Volume	[m³]	missing
Detected Au	[mg]	3.44
Resulting Au Grade	[mg/t]	#VALUE!
Resulting Au Grade	[mg/m³]	#VALUE!
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	1	1%	0.64	19%	11%
500	80	8	11%	1.29	37%	87%
250	60	36	49%	1.22	35%	94%
125	40	29	39%	0.29	9%	81%
Total Detected		74	100%	3.44	100%	75%

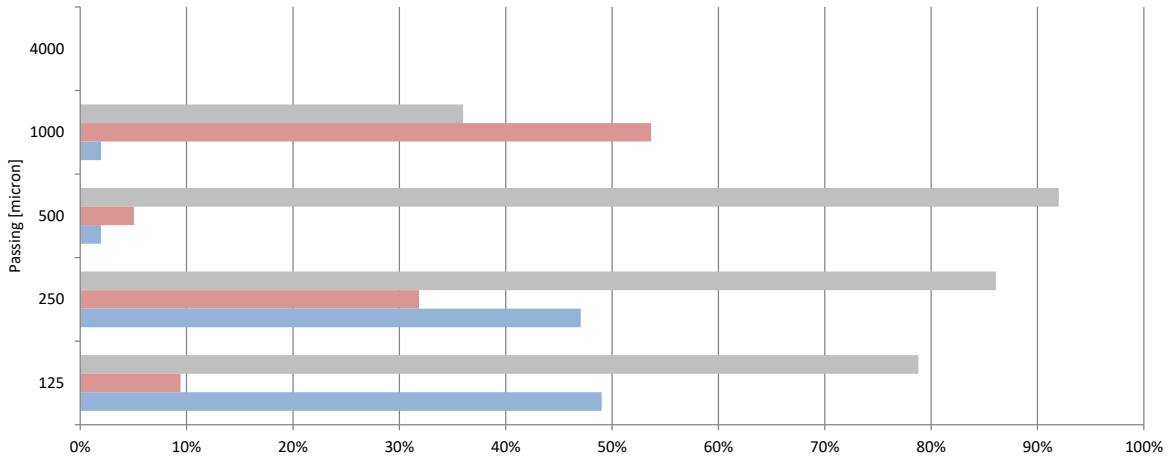


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H6 0-10
Easting		52.622818
Northing		-121.800809
RL		
Depth	[m]	3.04
Date Processed		26-Nov-2023
Sample Weight	[t]	0.12
Sample Volume	[m³]	0.099276338
Detected Au	[mg]	2.71
Resulting Au Grade	[mg/t]	21.88
Resulting Au Grade	[mg/m³]	27.34
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	1	2%	1.46	54%	36%
500	80	1	2%	0.14	5%	92%
250	60	24	47%	0.86	32%	86%
125	40	25	49%	0.26	9%	79%
Total Detected		51	100%	2.71	100%	59%

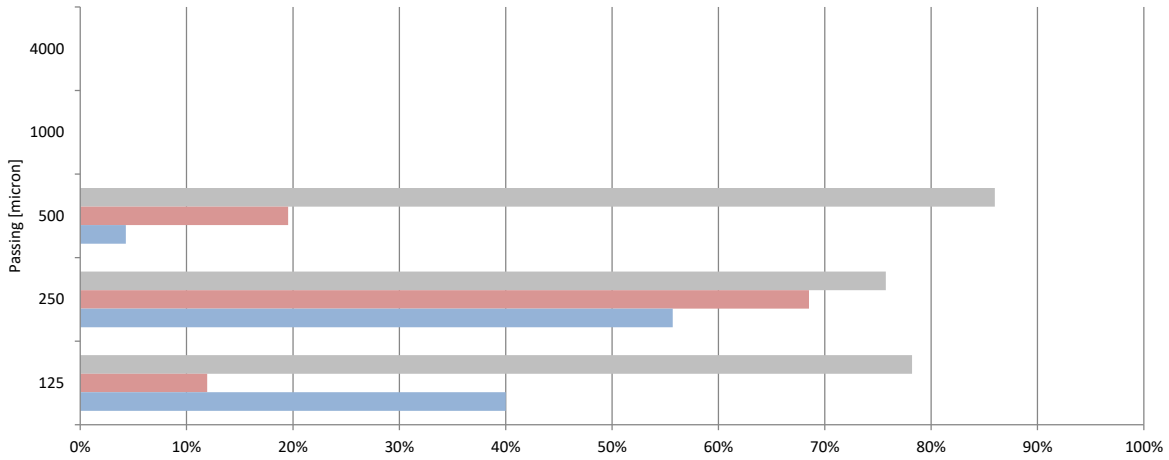


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H6 40-50
Easting		52.622818
Northing		-121.800809
RL		
Depth	[m]	15.24
Date Processed		26-Nov-2023
Sample Weight	[t]	0.17
Sample Volume	[m³]	0.138986873
Detected Au	[mg]	2.75
Resulting Au Grade	[mg/t]	15.82
Resulting Au Grade	[mg/m³]	19.78
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	0	0%	0.00	0%	0%
500	80	3	4%	0.54	20%	86%
250	60	39	56%	1.88	69%	76%
125	40	28	40%	0.33	12%	78%
Total Detected		70	100%	2.75	100%	78%

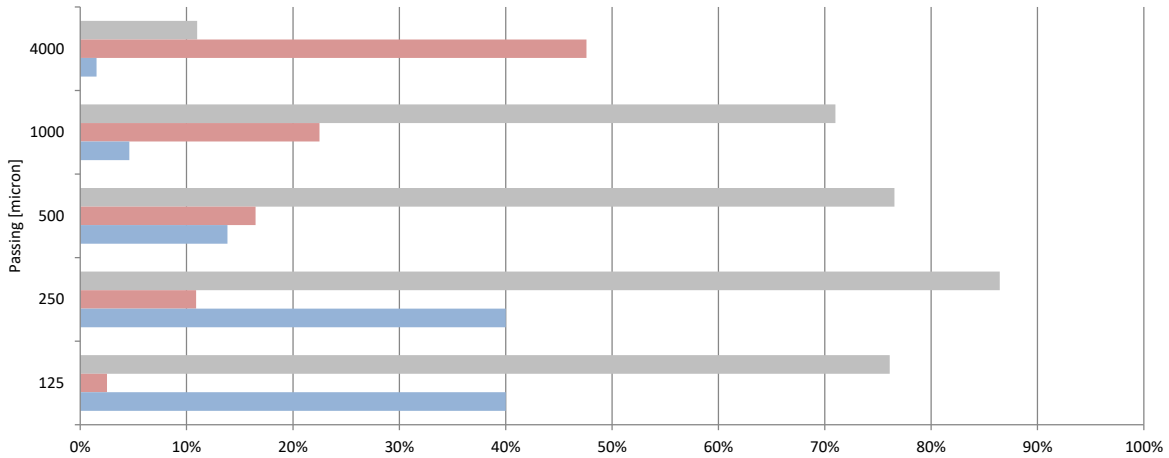


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H6 10-20
Easting		52.622818
Northing		-121.800809
RL		
Depth	[m]	6.09
Date Processed		26-Nov-2023
Sample Weight	[t]	0.20
Sample Volume	[m³]	0.158842141
Detected Au	[mg]	10.09
Resulting Au Grade	[mg/t]	50.84
Resulting Au Grade	[mg/m³]	63.54
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	1	2%	4.80	48%	11%
1000	100	3	5%	2.27	23%	71%
500	80	9	14%	1.66	16%	77%
250	60	26	40%	1.10	11%	86%
125	40	26	40%	0.25	3%	76%
Total Detected		65	100%	10.09	100%	45%

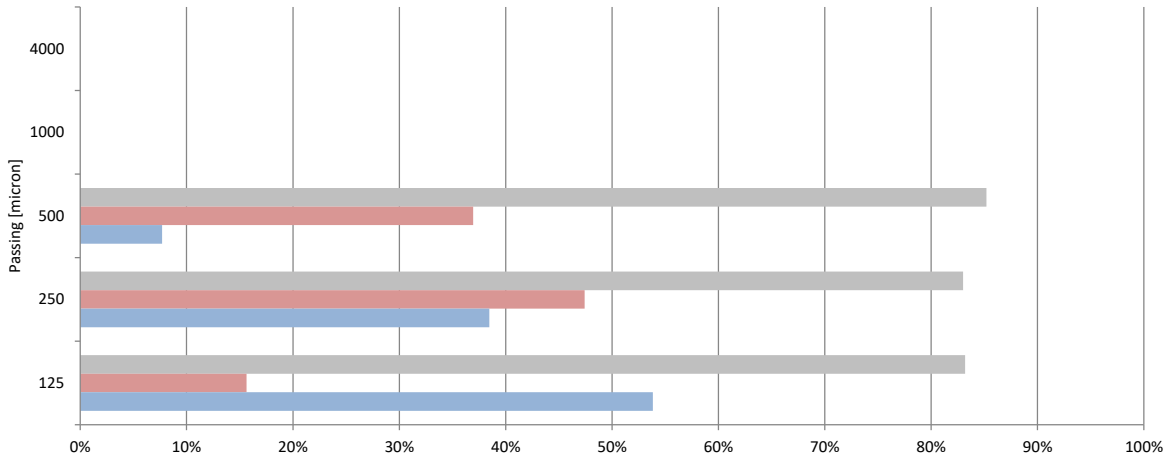


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H6 20-30
Easting		52.622818
Northing		-121.800809
RL		
Depth	[m]	9.14
Date Processed		26-Nov-2023
Sample Weight	[t]	0.20
Sample Volume	[m³]	0.158842141
Detected Au	[mg]	2.02
Resulting Au Grade	[mg/t]	10.19
Resulting Au Grade	[mg/m³]	12.74
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	0	0%	0.00	0%	0%
500	80	5	8%	0.75	37%	85%
250	60	25	38%	0.96	47%	83%
125	40	35	54%	0.32	16%	83%
Total Detected		65	100%	2.02	100%	84%

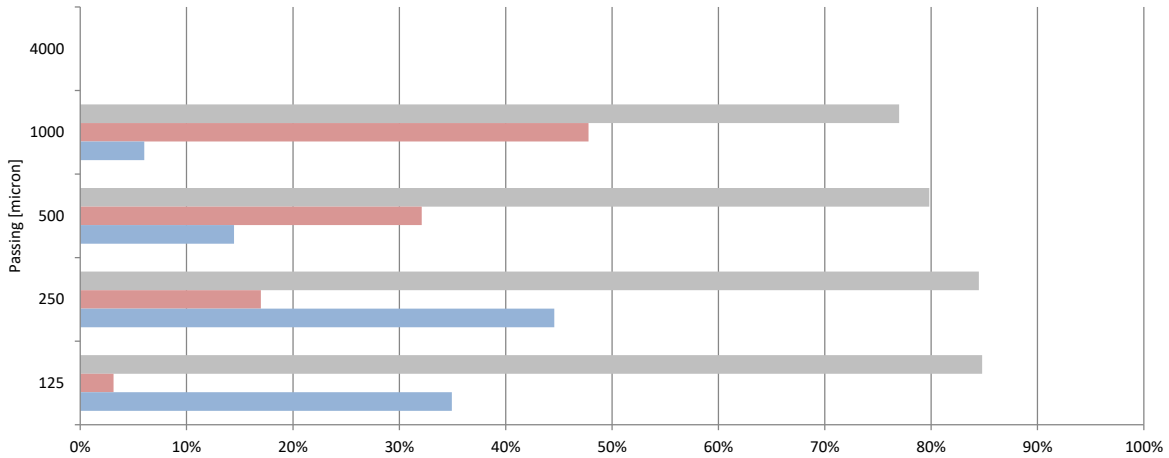


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H6 30-40
Easting		52.622818
Northing		-121.800809
RL		
Depth	[m]	12.19
Date Processed		26-Nov-2023
Sample Weight	[t]	0.27
Sample Volume	[m³]	0.218407943
Detected Au	[mg]	8.74
Resulting Au Grade	[mg/t]	32.00
Resulting Au Grade	[mg/m³]	40.00
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	5	6%	4.17	48%	77%
500	80	12	14%	2.80	32%	80%
250	60	37	45%	1.48	17%	84%
125	40	29	35%	0.27	3%	85%
Total Detected		83	100%	8.74	100%	79%

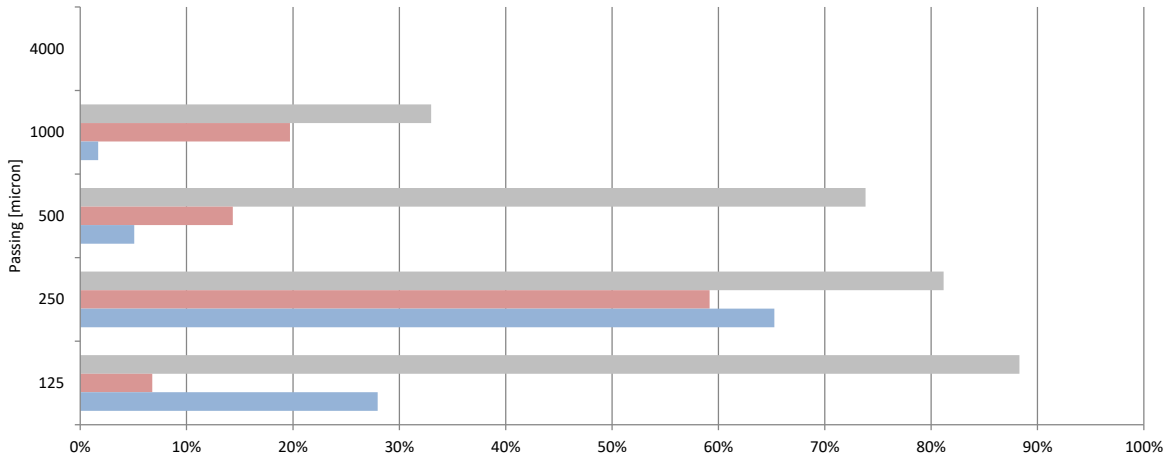


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H6 50-60
Easting		52.622818
Northing		-121.800809
RL		
Depth	[m]	18.28
Date Processed		27-Nov-2023
Sample Weight	[t]	missing
Sample Volume	[m³]	missing
Detected Au	[mg]	5.12
Resulting Au Grade	[mg/t]	#VALUE!
Resulting Au Grade	[mg/m³]	#VALUE!
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	2	2%	1.01	20%	33%
500	80	6	5%	0.73	14%	74%
250	60	77	65%	3.03	59%	81%
125	40	33	28%	0.35	7%	88%
Total Detected		118	100%	5.12	100%	71%

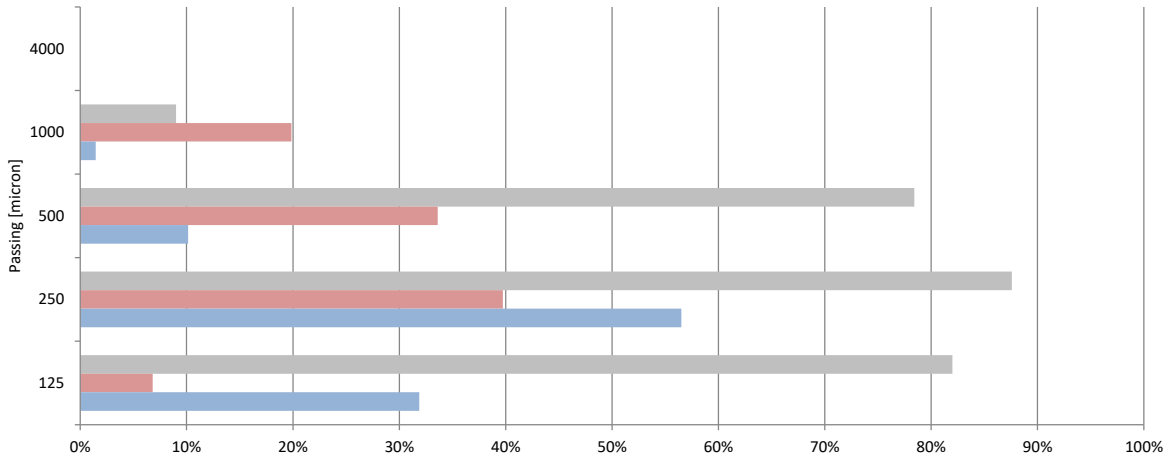


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H6 60-70
Easting		52.622818
Northing		-121.800809
RL		
Depth	[m]	21.33
Date Processed		27-Nov-2023
Sample Weight	[t]	0.12
Sample Volume	[m³]	0.099276338
Detected Au	[mg]	3.33
Resulting Au Grade	[mg/t]	26.80
Resulting Au Grade	[mg/m³]	33.50
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	1	1%	0.66	20%	9%
500	80	7	10%	1.12	34%	78%
250	60	39	57%	1.32	40%	88%
125	40	22	32%	0.23	7%	82%
Total Detected		69	100%	3.33	100%	69%

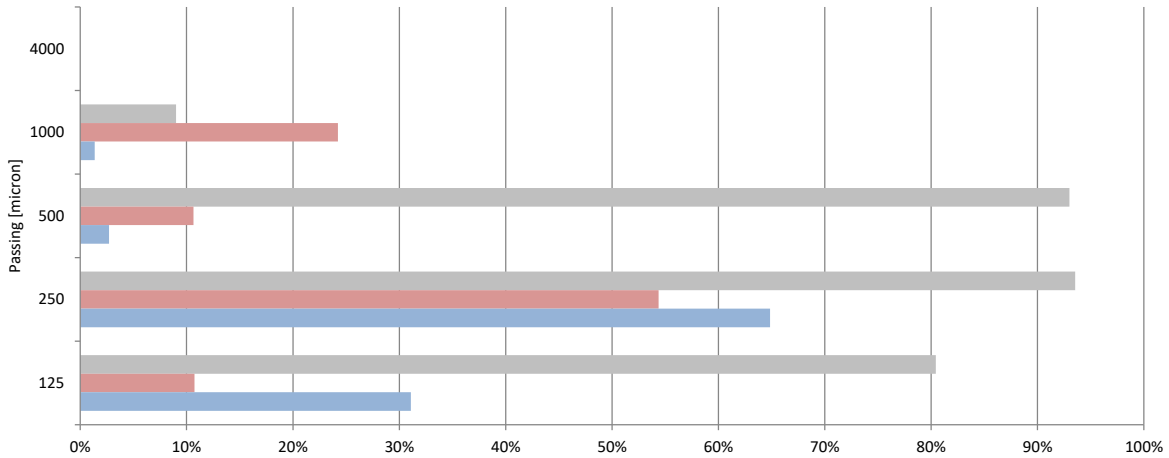


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H6 70-80
Easting		52.622818
Northing		-121.800809
RL		
Depth	[m]	24.38
Date Processed		27-Nov-2023
Sample Weight	[t]	0.12
Sample Volume	[m³]	0.099276338
Detected Au	[mg]	2.32
Resulting Au Grade	[mg/t]	18.70
Resulting Au Grade	[mg/m³]	23.37
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	1	1%	0.56	24%	9%
500	80	2	3%	0.25	11%	93%
250	60	48	65%	1.26	54%	94%
125	40	23	31%	0.25	11%	80%
Total Detected		74	100%	2.32	100%	72%

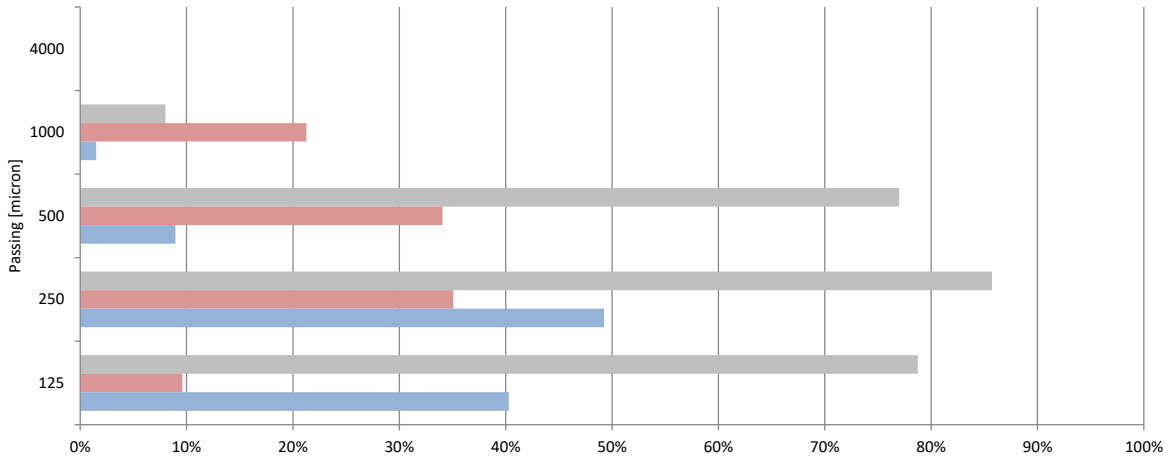


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H6 80-90
Easting		52.622818
Northing		-121.800809
RL		
Depth	[m]	27.43
Date Processed		27-Nov-2023
Sample Weight	[t]	0.17
Sample Volume	[m³]	0.138986873
Detected Au	[mg]	3.01
Resulting Au Grade	[mg/t]	17.35
Resulting Au Grade	[mg/m³]	21.69
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	1	1%	0.64	21%	8%
500	80	6	9%	1.03	34%	77%
250	60	33	49%	1.06	35%	86%
125	40	27	40%	0.29	10%	79%
Total Detected		67	100%	3.01	100%	66%

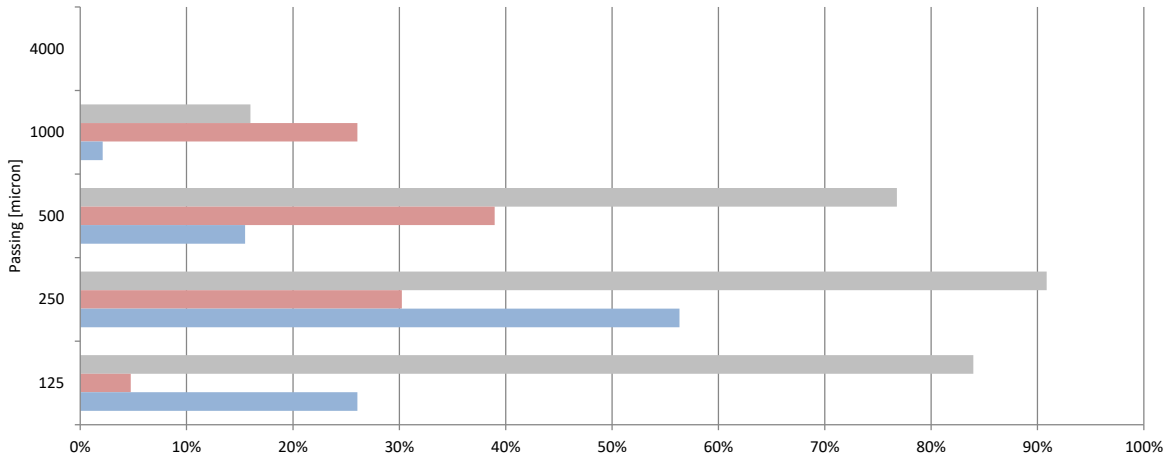


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15 H6 100-120
Easting		52.622818
Northing		-121.800809
RL		
Depth	[m]	36.57
Date Processed		27-Nov-2023
Sample Weight	[t]	missing
Sample Volume	[m³]	missing
Detected Au	[mg]	8.40
Resulting Au Grade	[mg/t]	#VALUE!
Resulting Au Grade	[mg/m³]	#VALUE!
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	3	2%	2.19	26%	16%
500	80	22	15%	3.27	39%	77%
250	60	80	56%	2.54	30%	91%
125	40	37	26%	0.40	5%	84%
Total Detected		142	100%	8.40	100%	66%

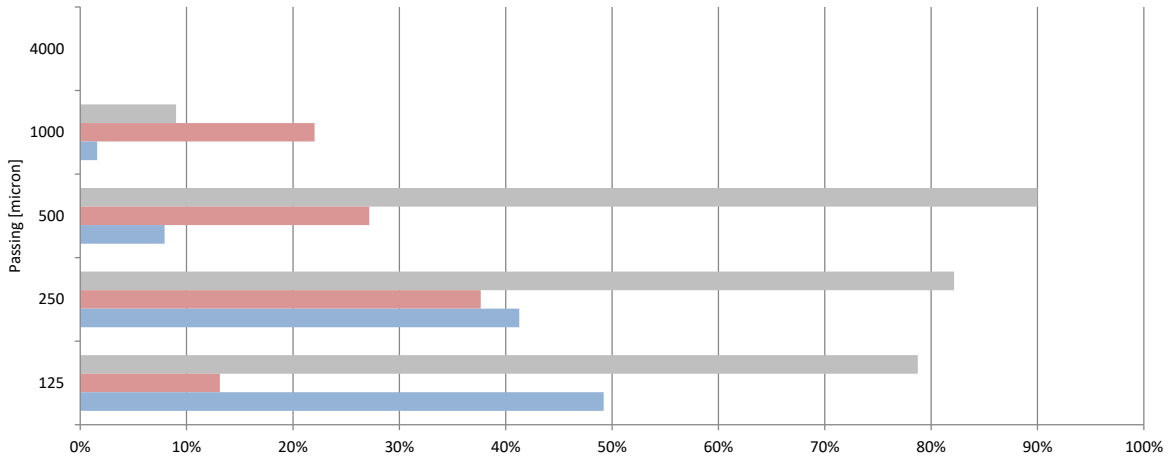


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H6 120-130
Easting		52.622818
Northing		-121.800809
RL		
Depth	[m]	39.62
Date Processed		27-Nov-2023
Sample Weight	[t]	0.12
Sample Volume	[m³]	0.099276338
Detected Au	[mg]	2.46
Resulting Au Grade	[mg/t]	19.82
Resulting Au Grade	[mg/m³]	24.78
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	1	2%	0.54	22%	9%
500	80	5	8%	0.67	27%	90%
250	60	26	41%	0.93	38%	82%
125	40	31	49%	0.32	13%	79%
Total Detected		63	100%	2.46	100%	68%

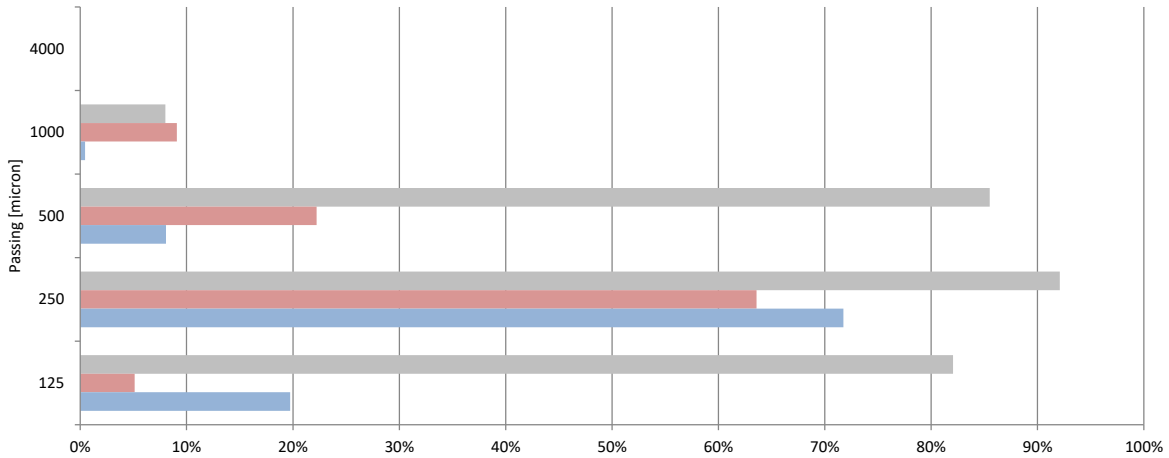


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H6 130-140
Easting		52.622818
Northing		-121.800809
RL		
Depth	[m]	42.67
Date Processed		27-Nov-2023
Sample Weight	[t]	0.15
Sample Volume	[m³]	0.119131605
Detected Au	[mg]	8.77
Resulting Au Grade	[mg/t]	58.91
Resulting Au Grade	[mg/m³]	73.64
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	1	0%	0.80	9%	8%
500	80	18	8%	1.95	22%	86%
250	60	160	72%	5.58	64%	92%
125	40	44	20%	0.45	5%	82%
Total Detected		223	100%	8.77	100%	82%

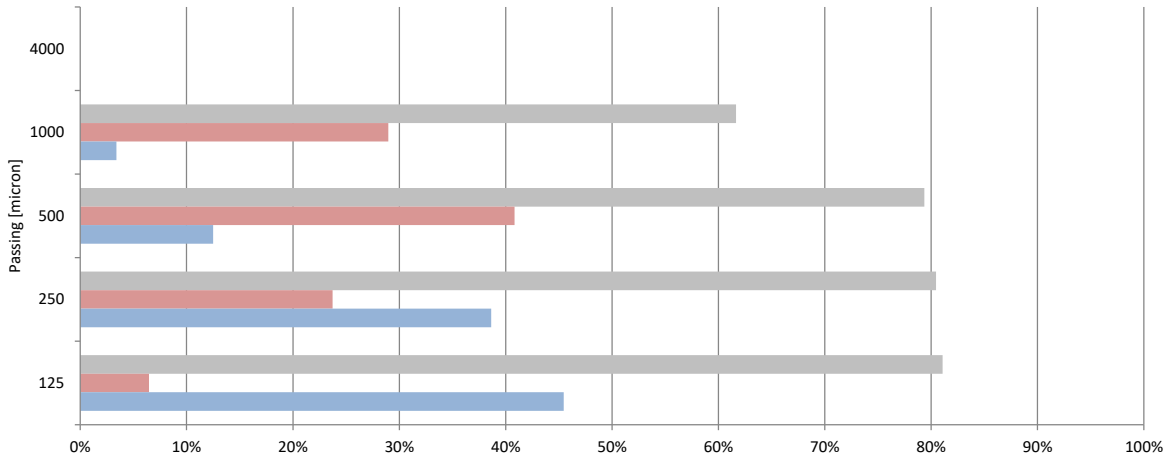


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H6 140-150
Easting		52.622818
Northing		-121.800809
RL		
Depth	[m]	45.72
Date Processed		27-Nov-2023
Sample Weight	[t]	0.20
Sample Volume	[m³]	0.158842141
Detected Au	[mg]	6.09
Resulting Au Grade	[mg/t]	30.65
Resulting Au Grade	[mg/m³]	38.31
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	3	3%	1.76	29%	62%
500	80	11	13%	2.48	41%	79%
250	60	34	39%	1.44	24%	80%
125	40	40	45%	0.39	6%	81%
Total Detected		88	100%	6.09	100%	75%

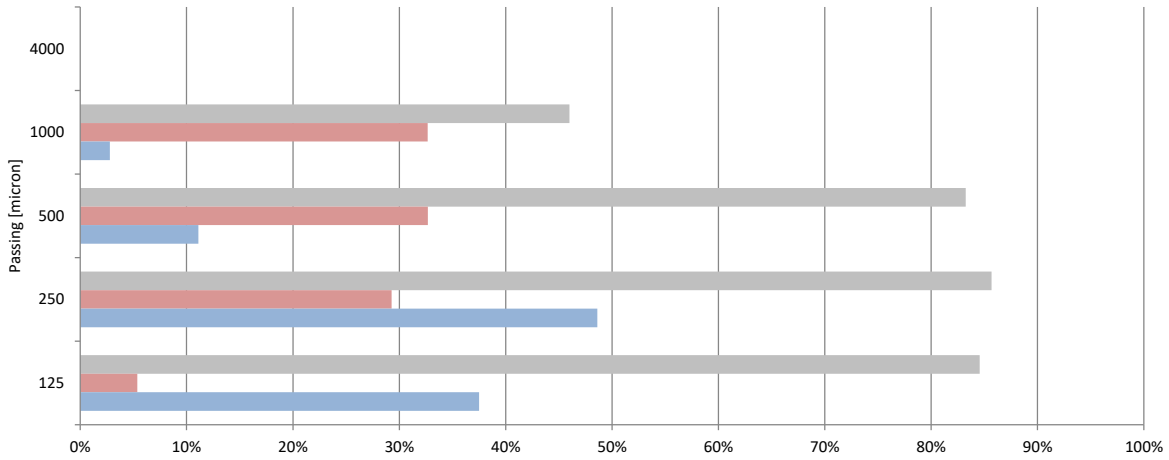


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H6 150-160
Easting		52.622818
Northing		-121.800809
RL		
Depth	[m]	48.76
Date Processed		27-Nov-2023
Sample Weight	[t]	0.30
Sample Volume	[m³]	0.238263211
Detected Au	[mg]	4.63
Resulting Au Grade	[mg/t]	15.54
Resulting Au Grade	[mg/m³]	19.43
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	2	3%	1.51	33%	46%
500	80	8	11%	1.51	33%	83%
250	60	35	49%	1.36	29%	86%
125	40	27	38%	0.25	5%	85%
Total Detected		72	100%	4.63	100%	72%

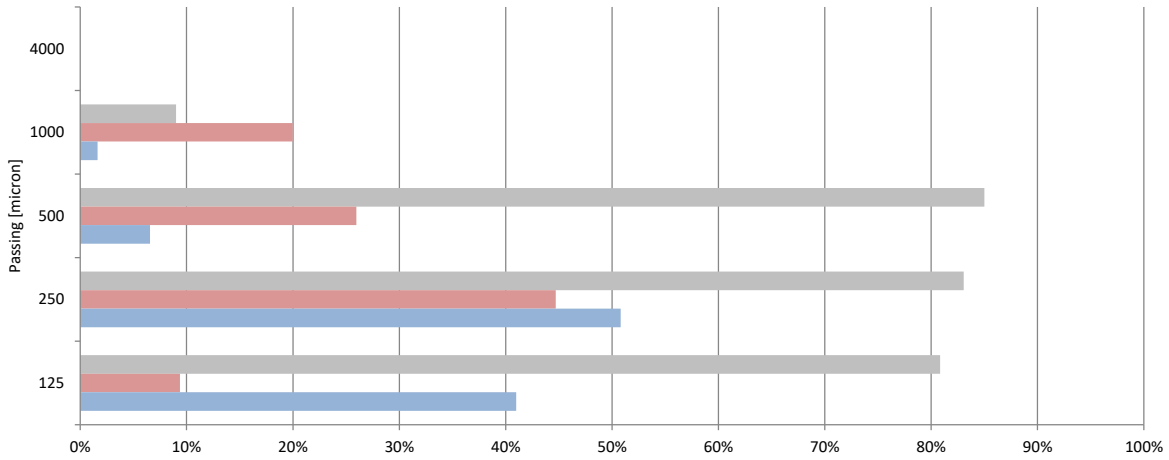


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H6 160-170
Easting		198.5526758
Northing		0.198552676
RL		
Depth	[m]	51.81
Date Processed		27-Nov-2023
Sample Weight	[t]	0.25
Sample Volume	[m³]	0.198552676
Detected Au	[mg]	2.66
Resulting Au Grade	[mg/t]	10.73
Resulting Au Grade	[mg/m³]	13.41
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	1	2%	0.53	20%	9%
500	80	4	7%	0.69	26%	85%
250	60	31	51%	1.19	45%	83%
125	40	25	41%	0.25	9%	81%
Total Detected		61	100%	2.66	100%	69%

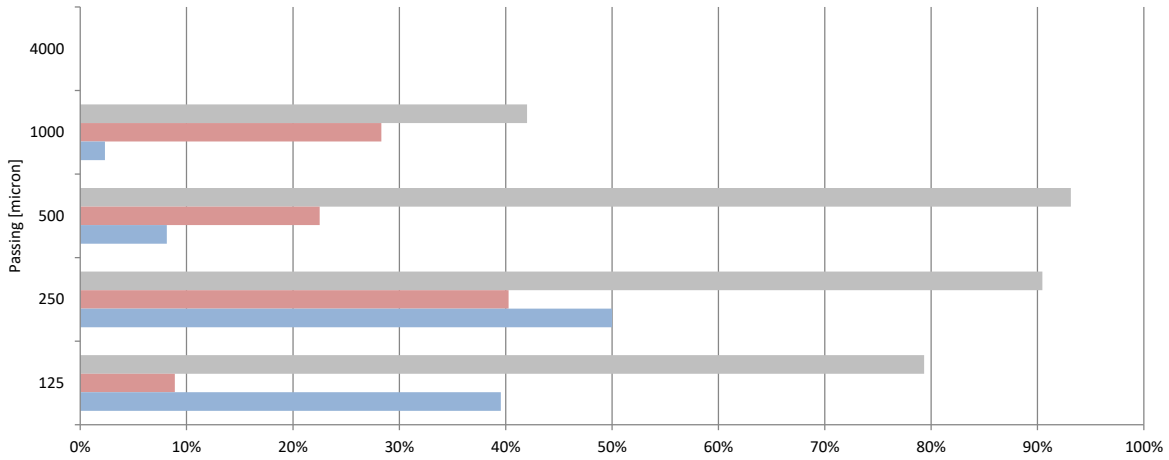


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H6 170-180
Easting		52.622818
Northing		-121.800809
RL		
Depth	[m]	54.86
Date Processed		27-Nov-2023
Sample Weight	[t]	0.20
Sample Volume	[m³]	0.158842141
Detected Au	[mg]	3.72
Resulting Au Grade	[mg/t]	18.75
Resulting Au Grade	[mg/m³]	23.43
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	2	2%	1.05	28%	42%
500	80	7	8%	0.84	23%	93%
250	60	43	50%	1.50	40%	90%
125	40	34	40%	0.33	9%	79%
Total Detected		86	100%	3.72	100%	76%

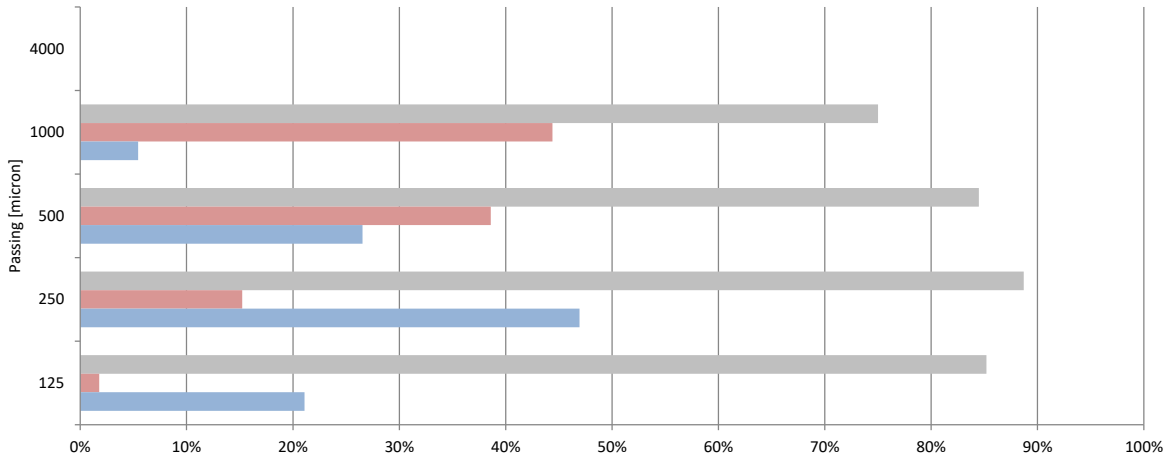


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H6 180-190
Easting		52.622818
Northing		-121.800809
RL		
Depth	[m]	57.91
Date Processed		27-Nov-2023
Sample Weight	[t]	0.27
Sample Volume	[m³]	0.218407943
Detected Au	[mg]	18.10
Resulting Au Grade	[mg/t]	66.28
Resulting Au Grade	[mg/m³]	82.85
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	8	5%	8.03	44%	75%
500	80	39	27%	6.98	39%	84%
250	60	69	47%	2.76	15%	89%
125	40	31	21%	0.32	2%	85%
Total Detected		147	100%	18.10	100%	81%

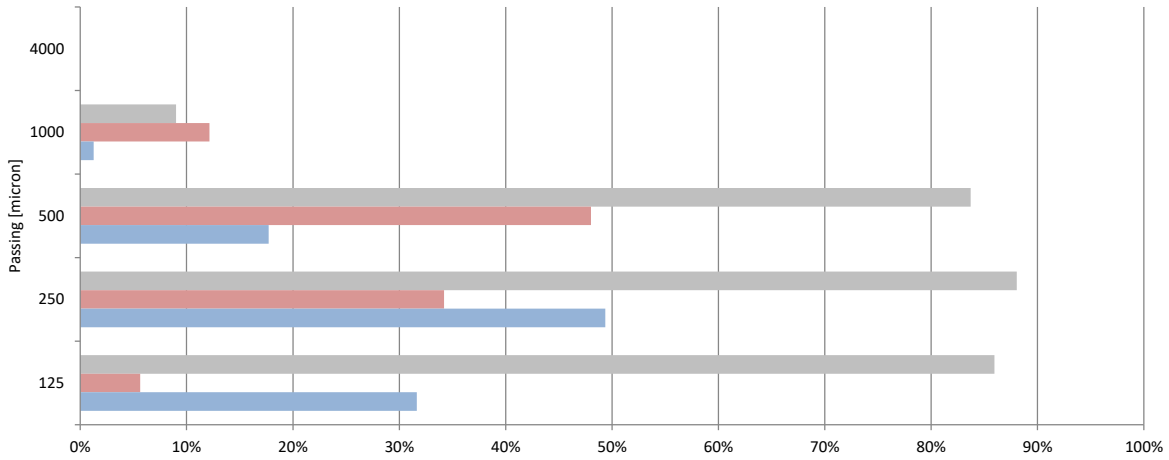


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H6 190-200
Easting		52.622818
Northing		-121.800809
RL		
Depth	[m]	60.96
Date Processed		27-Nov-2023
Sample Weight	[t]	missing
Sample Volume	[m³]	missing
Detected Au	[mg]	4.32
Resulting Au Grade	[mg/t]	#VALUE!
Resulting Au Grade	[mg/m³]	#VALUE!
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	1	1%	0.52	12%	9%
500	80	14	18%	2.08	48%	84%
250	60	39	49%	1.48	34%	88%
125	40	25	32%	0.24	6%	86%
Total Detected		79	100%	4.32	100%	76%

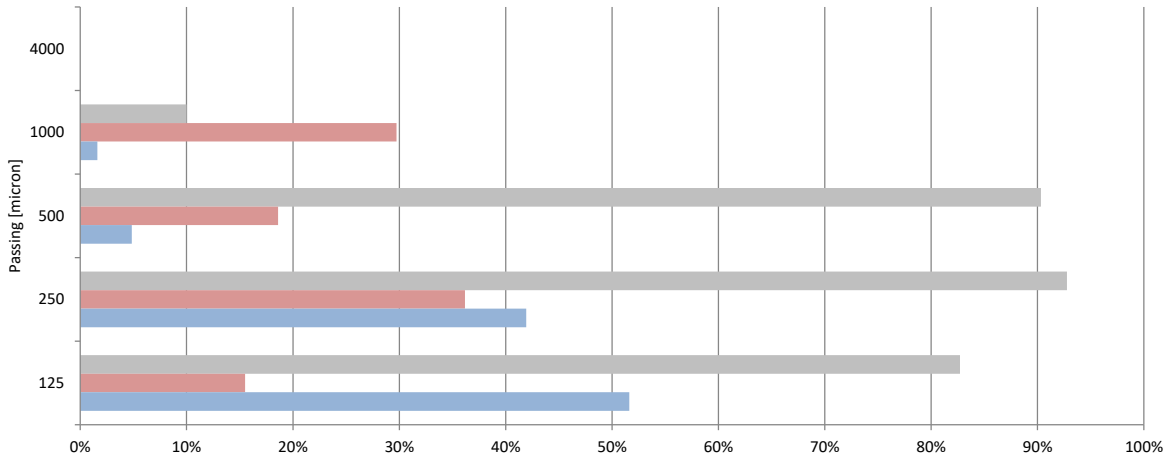


WestCoastPlacer

ANALYSIS REPORT 27-Nov-2023

Sample ID		L15H6 200-210
Easting		52.622818
Northing		-121.800809
RL		
Depth	[m]	64
Date Processed		27-Nov-2023
Sample Weight	[t]	missing
Sample Volume	[m³]	missing
Detected Au	[mg]	2.07
Resulting Au Grade	[mg/t]	#VALUE!
Resulting Au Grade	[mg/m³]	#VALUE!
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	1	2%	0.62	30%	10%
500	80	3	5%	0.39	19%	90%
250	60	26	42%	0.75	36%	93%
125	40	32	52%	0.32	15%	83%
Total Detected		62	100%	2.07	100%	66%

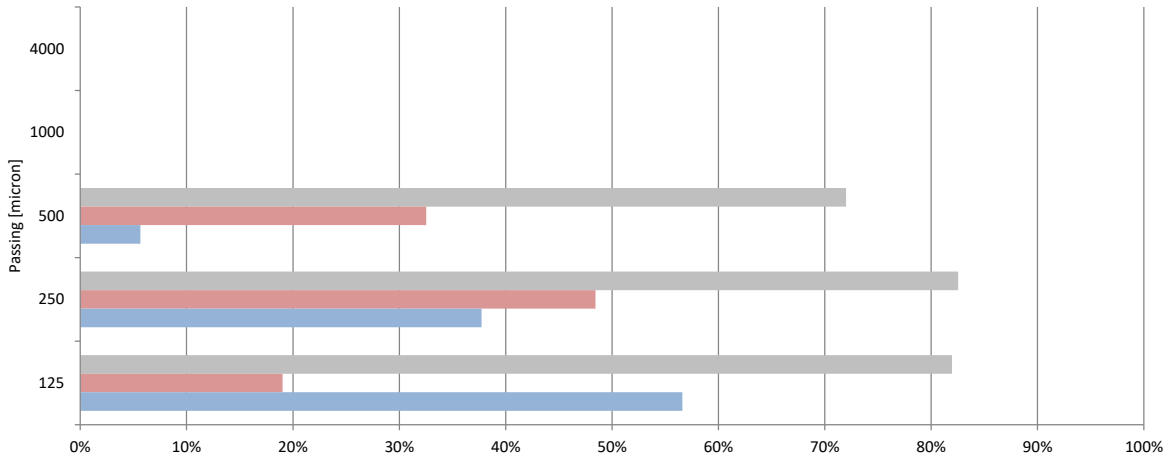


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H7 0-10
Easting		52.622987
Northing		-121.801161
RL		
Depth	[m]	3.04
Date Processed		26-Nov-2023
Sample Weight	[t]	0.10
Sample Volume	[m³]	0.07942107
Detected Au	[mg]	1.47
Resulting Au Grade	[mg/t]	14.82
Resulting Au Grade	[mg/m³]	18.53
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	0	0%	0.00	0%	0%
500	80	3	6%	0.48	33%	72%
250	60	20	38%	0.71	48%	83%
125	40	30	57%	0.28	19%	82%
Total Detected		53	100%	1.47	100%	79%

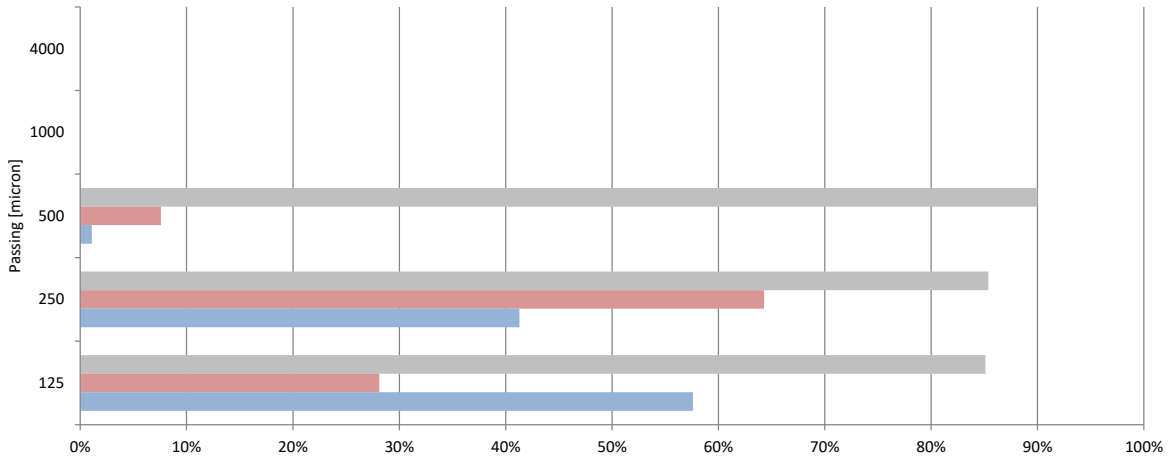


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H7 10-20
Easting		52.622987
Northing		-121.801161
RL		
Depth	[m]	6.09
Date Processed		26-Nov-2023
Sample Weight	[t]	0.17
Sample Volume	[m³]	0.138986873
Detected Au	[mg]	1.77
Resulting Au Grade	[mg/t]	10.18
Resulting Au Grade	[mg/m³]	12.73
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	0	0%	0.00	0%	0%
500	80	1	1%	0.13	8%	90%
250	60	38	41%	1.14	64%	85%
125	40	53	58%	0.50	28%	85%
Total Detected		92	100%	1.77	100%	86%

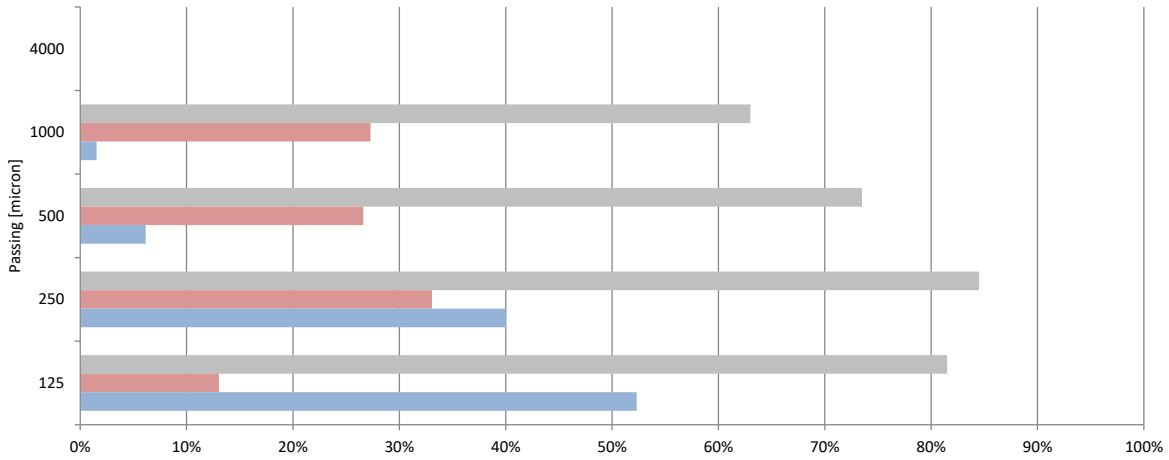


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H7 20-30
Easting		52.622987
Northing		-121.801161
RL		
Depth	[m]	9.14
Date Processed		26-Nov-2023
Sample Weight	[t]	0.12
Sample Volume	[m³]	0.099276338
Detected Au	[mg]	2.51
Resulting Au Grade	[mg/t]	20.27
Resulting Au Grade	[mg/m³]	25.33
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	1	2%	0.69	27%	63%
500	80	4	6%	0.67	27%	74%
250	60	26	40%	0.83	33%	85%
125	40	34	52%	0.33	13%	82%
Total Detected		65	100%	2.51	100%	75%

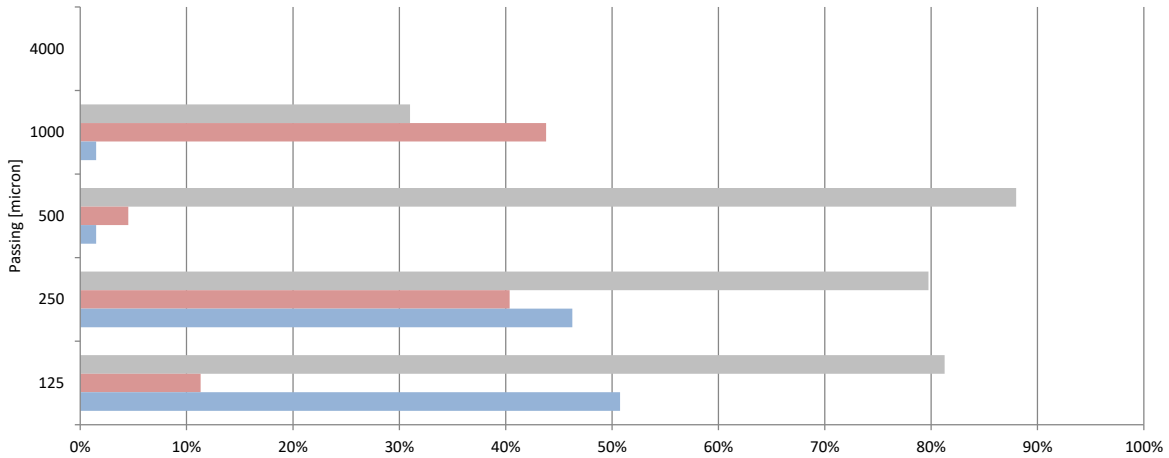


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H7 30-40
Easting		52.622987
Northing		-121.801161
RL		
Depth	[m]	12.19
Date Processed		26-Nov-2023
Sample Weight	[t]	0.07
Sample Volume	[m³]	0.059565803
Detected Au	[mg]	2.86
Resulting Au Grade	[mg/t]	38.40
Resulting Au Grade	[mg/m³]	48.00
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	1	1%	1.25	44%	31%
500	80	1	1%	0.13	5%	88%
250	60	31	46%	1.15	40%	80%
125	40	34	51%	0.32	11%	81%
Total Detected		67	100%	2.86	100%	59%

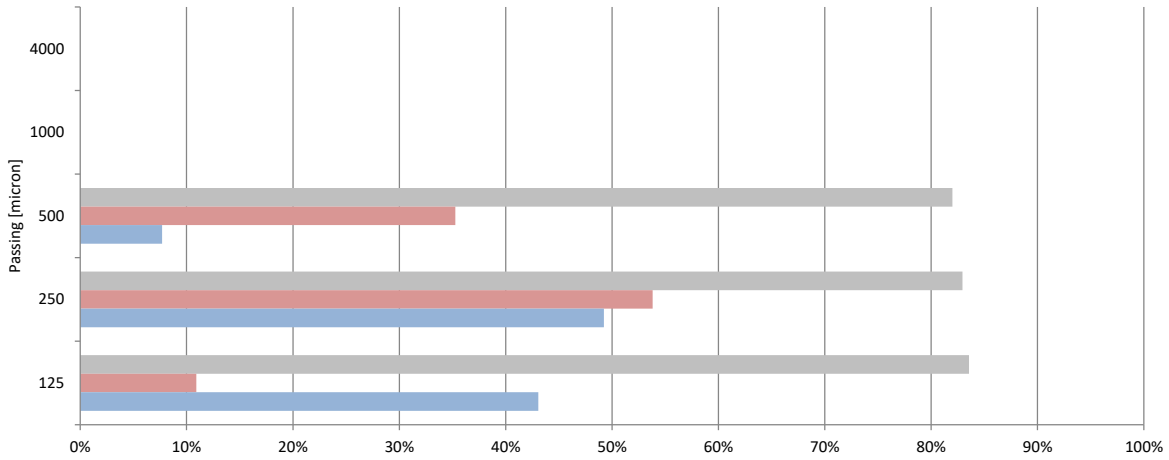


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15 H7 40-50
Easting		52.622987
Northing		-121.801161
RL		
Depth	[m]	15.24
Date Processed		26-Nov-2023
Sample Weight	[t]	0.32
Sample Volume	[m³]	0.258118479
Detected Au	[mg]	2.29
Resulting Au Grade	[mg/t]	7.11
Resulting Au Grade	[mg/m³]	8.88
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	0	0%	0.00	0%	0%
500	80	5	8%	0.81	35%	82%
250	60	32	49%	1.23	54%	83%
125	40	28	43%	0.25	11%	84%
Total Detected		65	100%	2.29	100%	83%

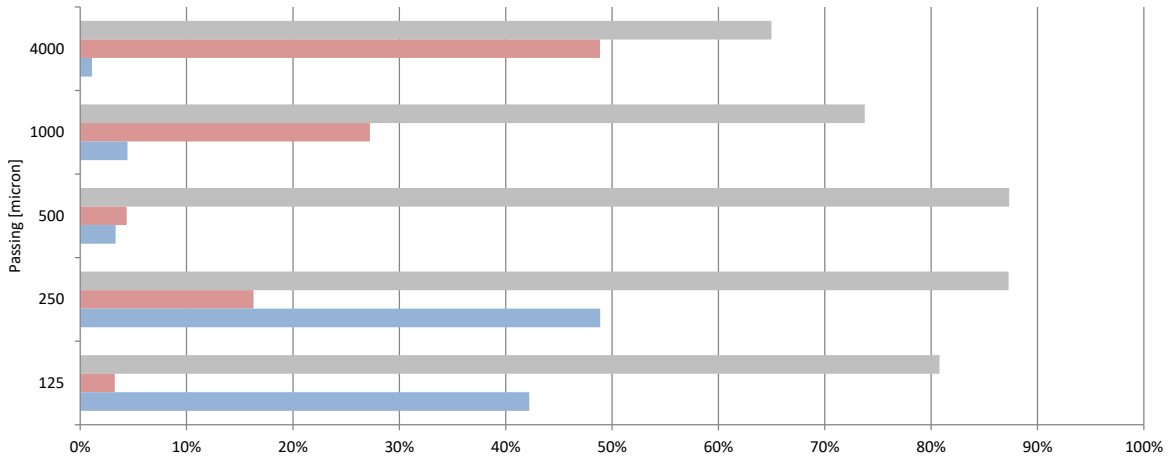


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H7 50-60
Easting		52.622987
Northing		-121.801161
RL		
Depth	[m]	18.28
Date Processed		26-Nov-2023
Sample Weight	[t]	0.27
Sample Volume	[m³]	0.218407943
Detected Au	[mg]	11.55
Resulting Au Grade	[mg/t]	42.29
Resulting Au Grade	[mg/m³]	52.87
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	1	1%	5.64	49%	65%
1000	100	4	4%	3.15	27%	74%
500	80	3	3%	0.50	4%	87%
250	60	44	49%	1.88	16%	87%
125	40	38	42%	0.37	3%	81%
Total Detected		90	100%	11.55	100%	72%

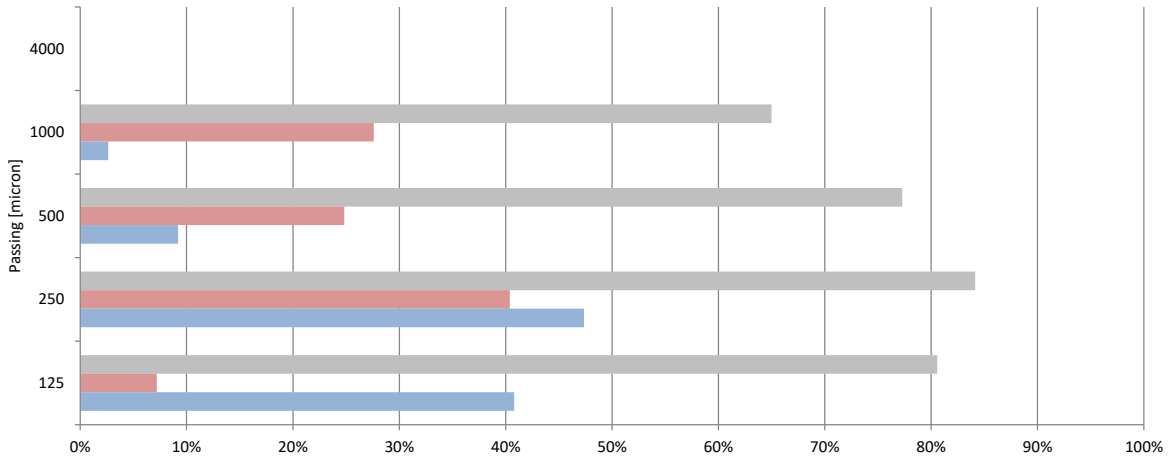


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15 H7 80-90
Easting		52.622987
Northing		-121.801161
RL		
Depth	[m]	27.43
Date Processed		26-Nov-2023
Sample Weight	[t]	0.10
Sample Volume	[m³]	0.07942107
Detected Au	[mg]	4.22
Resulting Au Grade	[mg/t]	42.49
Resulting Au Grade	[mg/m³]	53.11
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	2	3%	1.16	28%	65%
500	80	7	9%	1.05	25%	77%
250	60	36	47%	1.70	40%	84%
125	40	31	41%	0.30	7%	81%
Total Detected		76	100%	4.22	100%	77%

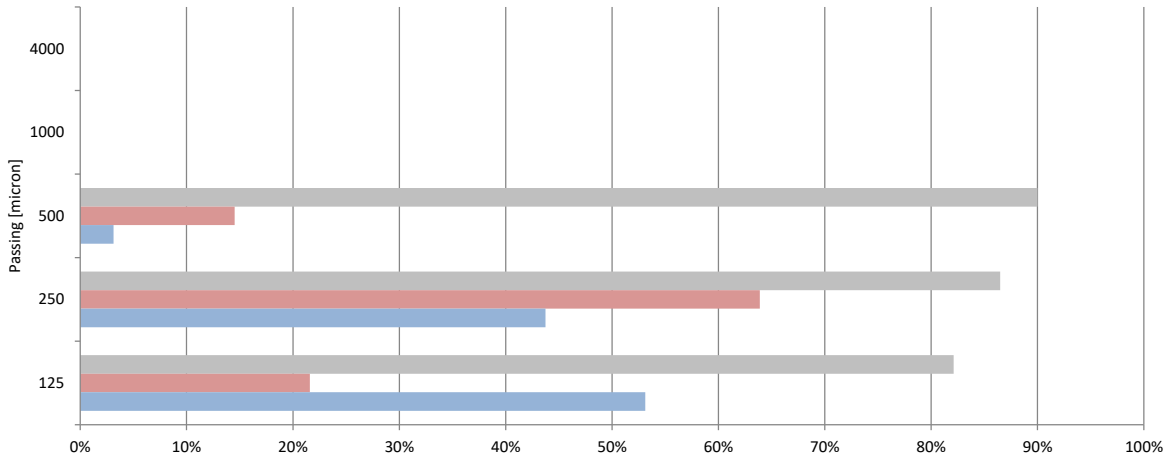


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H7 110-120
Easting		52.622987
Northing		-121.801161
RL		
Depth	[m]	36.57
Date Processed		26-Nov-2023
Sample Weight	[t]	0.12
Sample Volume	[m³]	0.099276338
Detected Au	[mg]	1.48
Resulting Au Grade	[mg/t]	11.96
Resulting Au Grade	[mg/m³]	14.96
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	0	0%	0.00	0%	0%
500	80	2	3%	0.22	15%	90%
250	60	28	44%	0.95	64%	87%
125	40	34	53%	0.32	22%	82%
Total Detected		64	100%	1.48	100%	86%

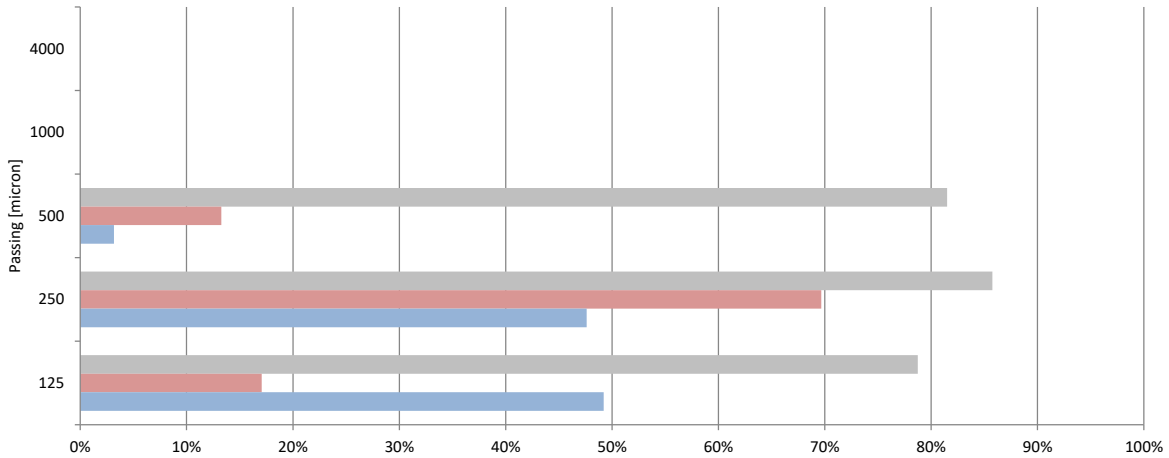


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H7 120-130
Easting		52.622987
Northing		-121.801161
RL		
Depth	[m]	39.62
Date Processed		26-Nov-2023
Sample Weight	[t]	0.15
Sample Volume	[m³]	0.119131605
Detected Au	[mg]	1.75
Resulting Au Grade	[mg/t]	11.72
Resulting Au Grade	[mg/m³]	14.65
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	0	0%	0.00	0%	0%
500	80	2	3%	0.23	13%	82%
250	60	30	48%	1.22	70%	86%
125	40	31	49%	0.30	17%	79%
Total Detected		63	100%	1.75	100%	84%

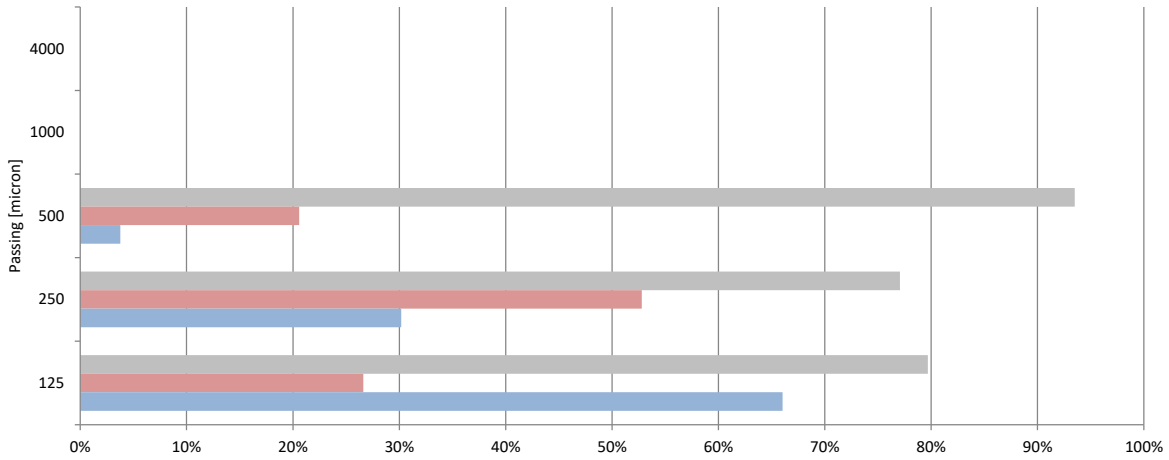


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H7 140-150
Easting		52.622987
Northing		-121.801161
RL		
Depth	[m]	45.72
Date Processed		26-Nov-2023
Sample Weight	[t]	0.07
Sample Volume	[m³]	0.059565803
Detected Au	[mg]	1.26
Resulting Au Grade	[mg/t]	16.97
Resulting Au Grade	[mg/m³]	21.21
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	0	0%	0.00	0%	0%
500	80	2	4%	0.26	21%	94%
250	60	16	30%	0.67	53%	77%
125	40	35	66%	0.34	27%	80%
Total Detected		53	100%	1.26	100%	81%

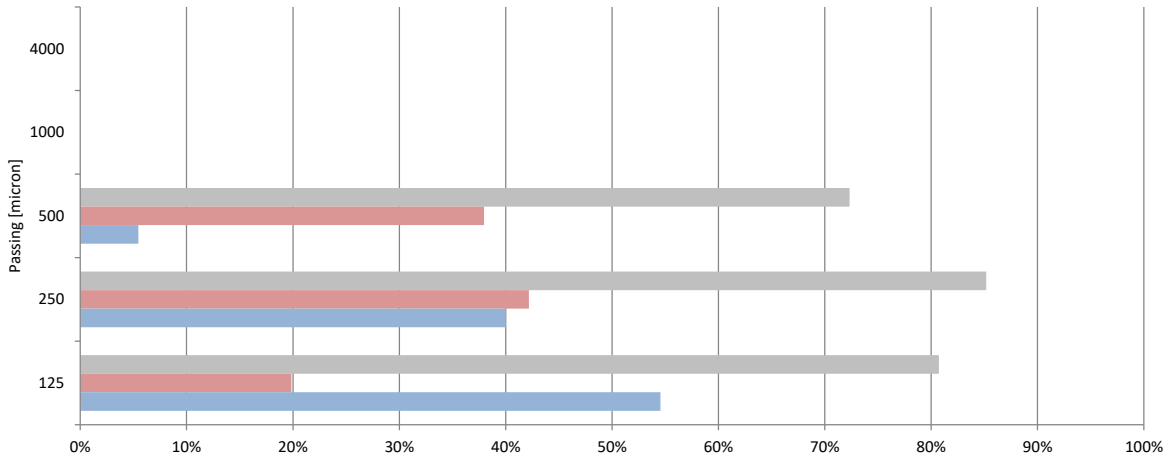


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H8 0-10
Easting		52.623158
Northing		-121.801462
RL		
Depth	[m]	3.03
Date Processed		26-Nov-2023
Sample Weight	[t]	0.12
Sample Volume	[m³]	0.099276338
Detected Au	[mg]	1.54
Resulting Au Grade	[mg/t]	12.42
Resulting Au Grade	[mg/m³]	15.53
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	0	0%	0.00	0%	0%
500	80	3	5%	0.59	38%	72%
250	60	22	40%	0.65	42%	85%
125	40	30	55%	0.31	20%	81%
Total Detected		55	100%	1.54	100%	79%

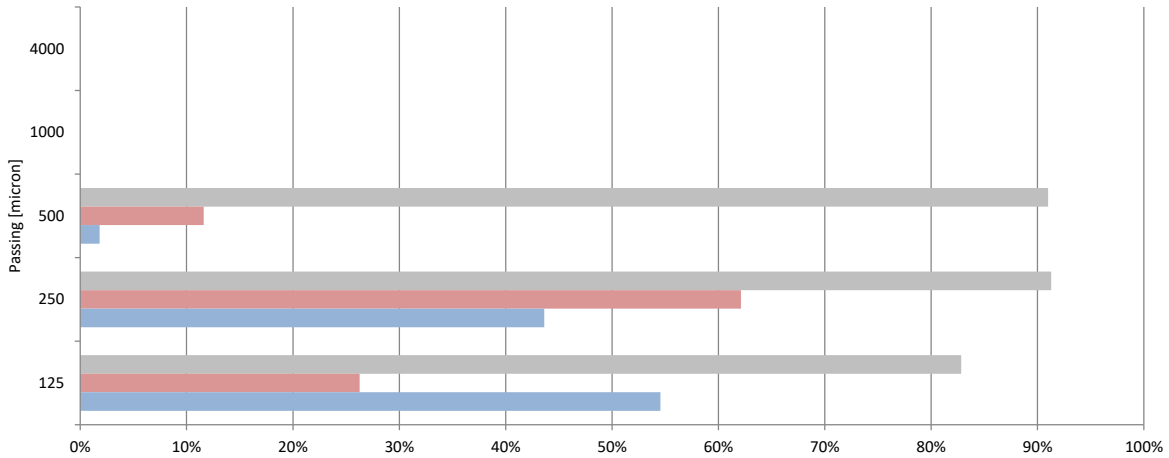


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H8 10-20
Easting		52.623158
Northing		-121.801462
RL		
Depth	[m]	6.09
Date Processed		26-Nov-2023
Sample Weight	[t]	0.10
Sample Volume	[m³]	0.07942107
Detected Au	[mg]	1.09
Resulting Au Grade	[mg/t]	10.98
Resulting Au Grade	[mg/m³]	13.73
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	0	0%	0.00	0%	0%
500	80	1	2%	0.13	12%	91%
250	60	24	44%	0.68	62%	91%
125	40	30	55%	0.29	26%	83%
Total Detected		55	100%	1.09	100%	89%

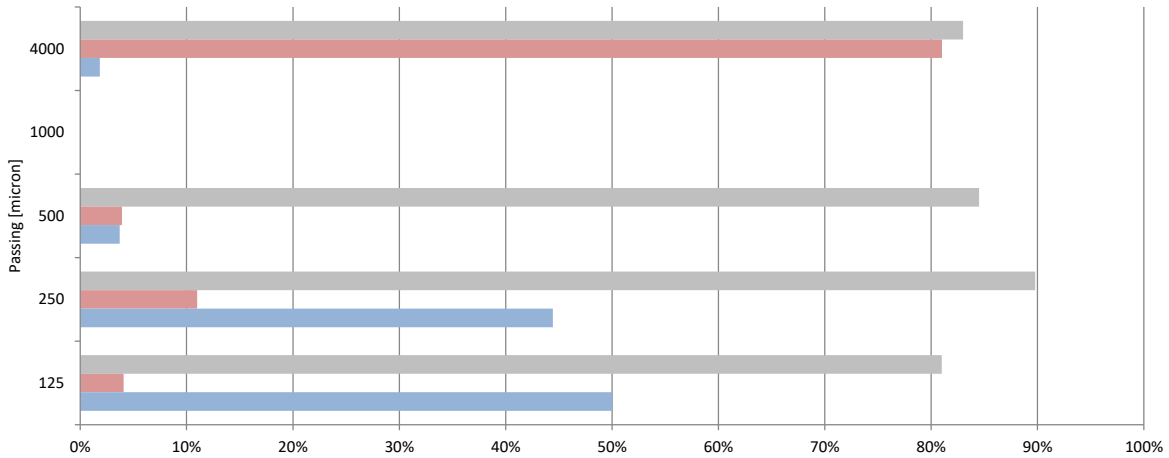


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H8 20-30
Easting		52.623158
Northing		-121.801462
RL		
Depth	[m]	9.14
Date Processed		26-Nov-2023
Sample Weight	[t]	0.15
Sample Volume	[m³]	0.119131605
Detected Au	[mg]	6.21
Resulting Au Grade	[mg/t]	41.68
Resulting Au Grade	[mg/m³]	52.10
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	1	2%	5.03	81%	83%
1000	100	0	0%	0.00	0%	0%
500	80	2	4%	0.24	4%	85%
250	60	24	44%	0.68	11%	90%
125	40	27	50%	0.25	4%	81%
Total Detected		54	100%	6.21	100%	84%

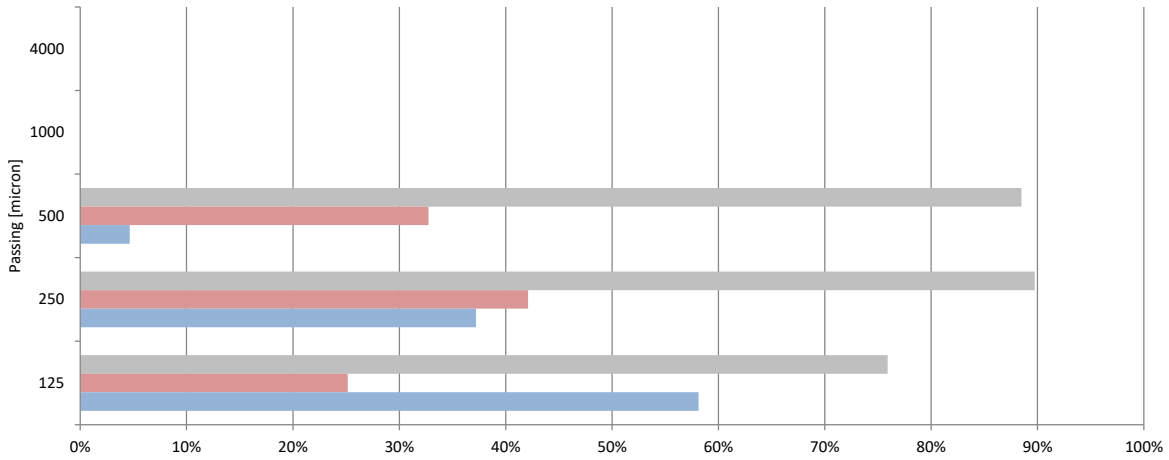


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H8 30-40
Easting		52.623158
Northing		-121.801462
RL		
Depth	[m]	12.19
Date Processed		26-Nov-2023
Sample Weight	[t]	0.20
Sample Volume	[m³]	0.158842141
Detected Au	[mg]	1.03
Resulting Au Grade	[mg/t]	5.21
Resulting Au Grade	[mg/m³]	6.51
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	0	0%	0.00	0%	0%
500	80	2	5%	0.34	33%	89%
250	60	16	37%	0.44	42%	90%
125	40	25	58%	0.26	25%	76%
Total Detected		43	100%	1.03	100%	86%

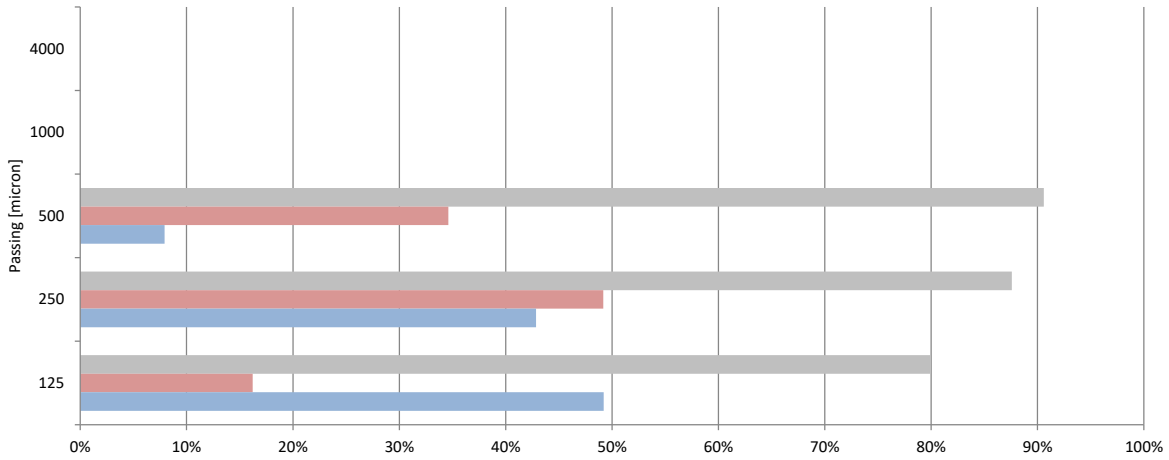


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H8 40-50
Easting		52.623158
Northing		-121.801462
RL		
Depth	[m]	15.24
Date Processed		26-Nov-2023
Sample Weight	[t]	0.30
Sample Volume	[m³]	0.238263211
Detected Au	[mg]	1.88
Resulting Au Grade	[mg/t]	6.31
Resulting Au Grade	[mg/m³]	7.88
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	0	0%	0.00	0%	0%
500	80	5	8%	0.65	35%	91%
250	60	27	43%	0.92	49%	88%
125	40	31	49%	0.30	16%	80%
Total Detected		63	100%	1.88	100%	87%

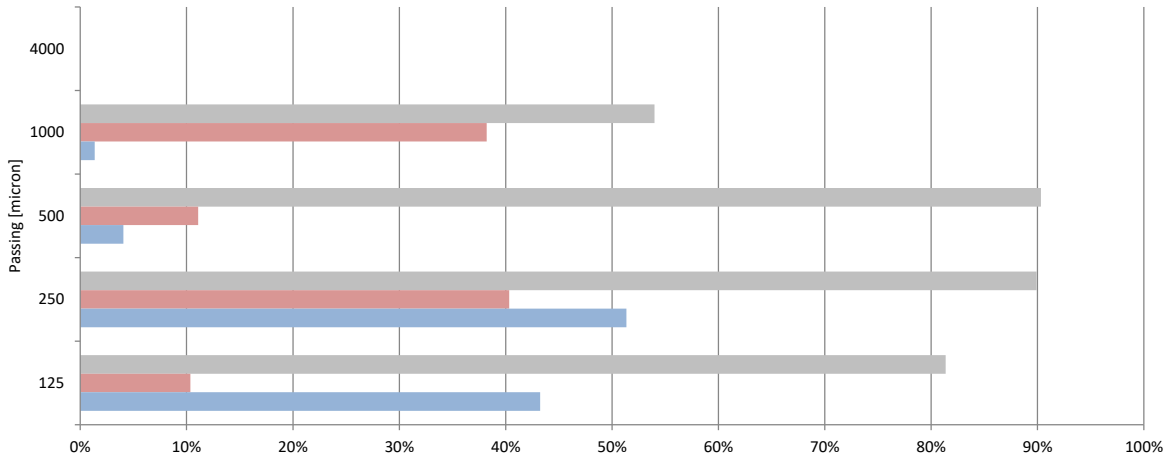


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H8 50-60
Easting		52.623158
Northing		-121.801462
RL		
Depth	[m]	18.28
Date Processed		26-Nov-2023
Sample Weight	[t]	0.27
Sample Volume	[m³]	0.218407943
Detected Au	[mg]	2.98
Resulting Au Grade	[mg/t]	10.90
Resulting Au Grade	[mg/m³]	13.63
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	1	1%	1.14	38%	54%
500	80	3	4%	0.33	11%	90%
250	60	38	51%	1.20	40%	90%
125	40	32	43%	0.31	10%	81%
Total Detected		74	100%	2.98	100%	75%

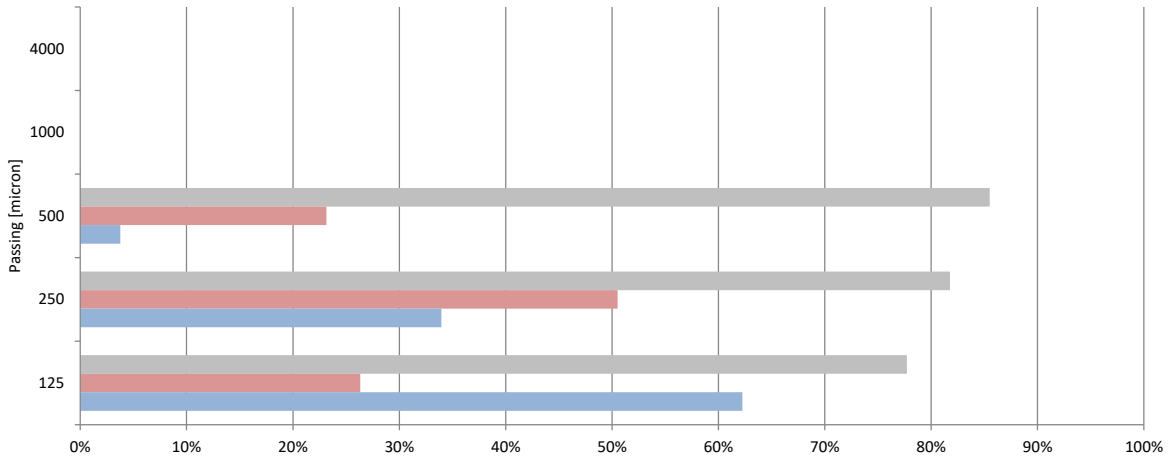


WestCoastPlacer

ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H8 60-70
Easting		52.623158
Northing		-121.801462
RL		
Depth	[m]	21.33
Date Processed		26-Nov-2023
Sample Weight	[t]	0.20
Sample Volume	[m³]	0.158842141
Detected Au	[mg]	1.15
Resulting Au Grade	[mg/t]	5.78
Resulting Au Grade	[mg/m³]	7.22
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	0	0%	0.00	0%	0%
500	80	2	4%	0.27	23%	86%
250	60	18	34%	0.58	51%	82%
125	40	33	62%	0.30	26%	78%
Total Detected		53	100%	1.15	100%	82%

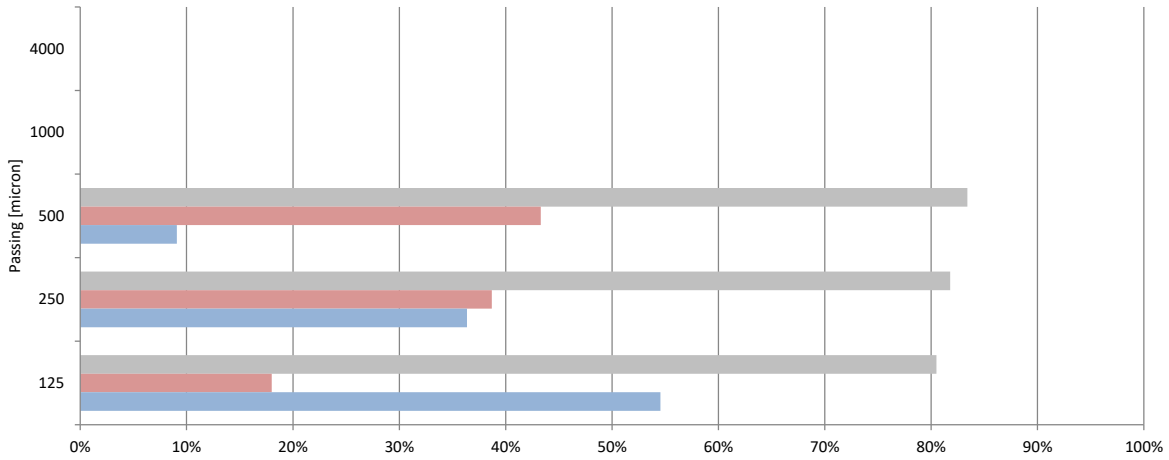


WestCoastPlacer

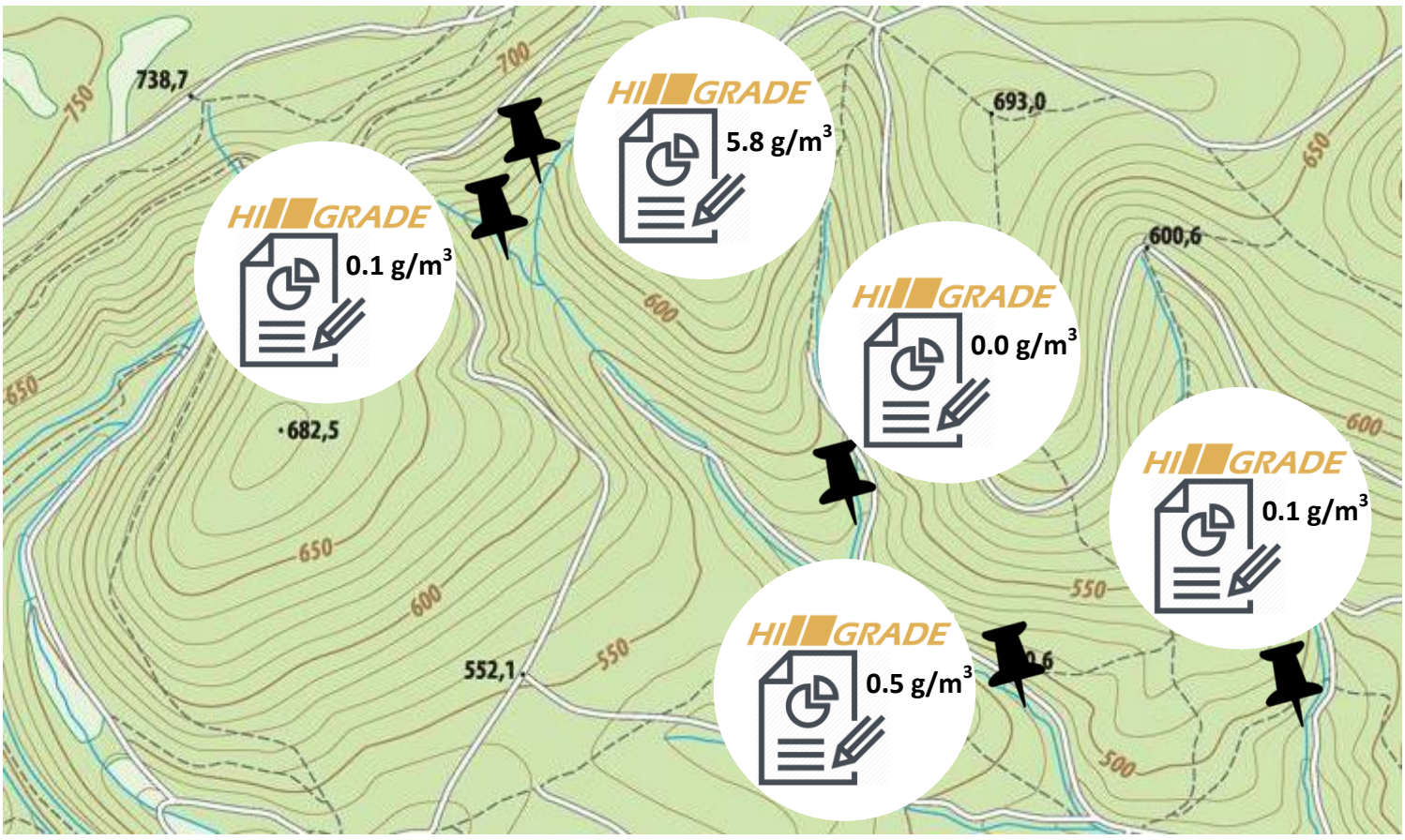
ANALYSIS REPORT 26-Nov-2023

Sample ID		L15H8 70-80
Easting		52.623158
Northing		-121.801462
RL		
Depth	[m]	24.38
Date Processed		26-Nov-2023
Sample Weight	[t]	0.15
Sample Volume	[m³]	0.119131605
Detected Au	[mg]	1.68
Resulting Au Grade	[mg/t]	11.28
Resulting Au Grade	[mg/m³]	14.09
3D Calibration Factor		1
Au specific gravity	[g/cm³]	19.3
Detection limit	[mg]	1.00

Particle size Passing [micron]	3rd Dimension [micron]	Count [#]	Count [%]	Mass [mg]	Mass [%]	Circularity [%]
4000	200	0	0%	0.00	0%	0%
1000	100	0	0%	0.00	0%	0%
500	80	5	9%	0.73	43%	83%
250	60	20	36%	0.65	39%	82%
125	40	30	55%	0.30	18%	81%
Total Detected		55	100%	1.68	100%	82%

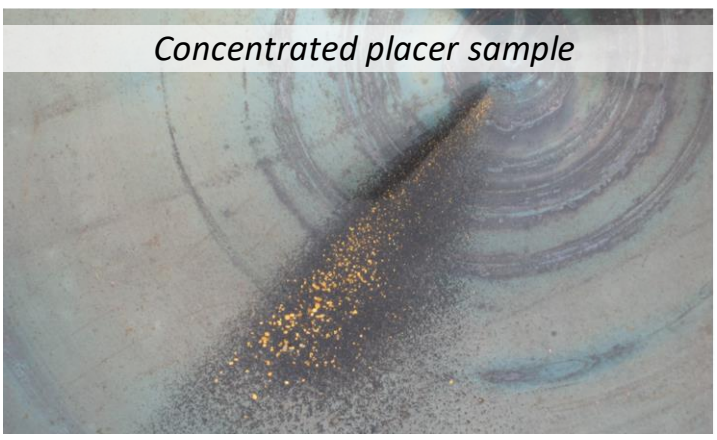


Appendix IV:
Information about DPI Gold Scanner



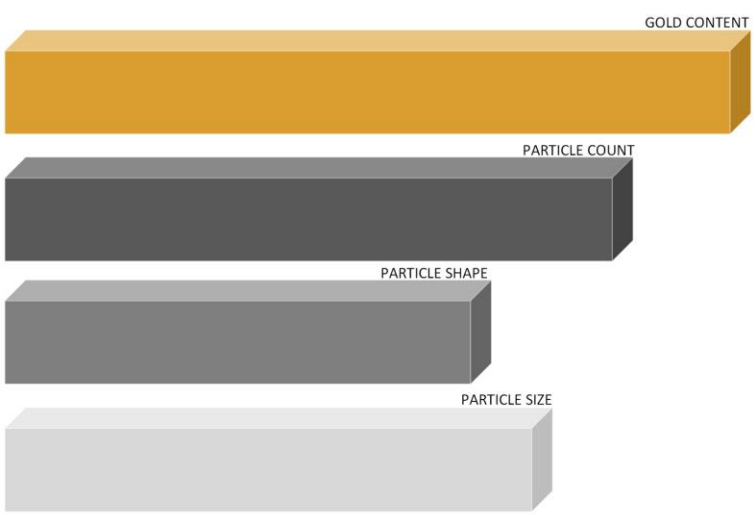
HiGrade DPI is a novel analysis method for placer gold that relies on the distinct color of gold. Analyse surface or drill samples from a placer claim. Determine the gold grade and properties. Produce instant printable reports for each sampling location of the claim.

Concentrated placer sample



HiGrade DPI Tool

The pan concentrate is placed on a specially designed sample holder from where a high resolution image is created with an optical scanner. Then the automatic HiGrade DPI particle analyzer detects gold particles based on their golden color and calculates the gold grade of the sample. The automatically generated report includes unique statistics on the particle size distribution and particle shape. The analysis takes less than 5 min, requires no consumables and is non-destructive.



HiGrade offers a comprehensive tool kit for industrial and scientific applications, including dedicated prospectors, mineral laboratories, exploration firms and placer operations.

HiGrade Technik
Jonas Boehnke
4444 - 212 street
Langley, BC
Canada, V3A 5S8
www.higrade.tech

Calibration Report

Date:	July 1, 2019	Project:	Moosehorn
HIGrade Project #:	2019-DPI-001	Project Location:	Alaska
Prepared by:	Jonas Boehnke	Client:	
Email:	jonas@highgrade.tech	Email:	
Phone:	1 604 3678221	Phone:	

Scan Tool	DPI 1901	Fire Assay Method	FAS-415, 30g fire assay, grav. finish
Image Scan Settings	1200 dpi	Assay Operator	MSA Labs
Image Adjust Setings	Moosehorn	Certificate #	YVR1910189
Image Processing Settings	Moosehorn		
Data Output Settings	Moosehorn		

Sample #	DPI [g/t]	Deviation [%]	Fire Assay [g/t]
1	0	0.0%	0
2	28	3.7%	27
3	237	3.9%	228
4	777	2.2%	760
5	541	-0.4%	543

Thickness Calibration

Particle Size [mesh]	Thickness Value [micron]
> 20 mesh	123
20-40 mesh	83
40-100 mesh	53
< 100 mesh	23

Summary

The optical DPI analysis correlates well with the industry standard fire assay. The deviation between the two methods is -0.4% to 3.9%. Five subsamples of table concentrate (approx 1g each) were analyzed with the non-destructive DPI tool, then blended with 24 g of clean silica sand and submitted for fire assays to MSALabs. Blending with silica sand homogenizes the sample and ensures that the maximum permissible fire assay grade (1000 g/t) is not exceeded.The sample contained no interferring minerals or metals, such as pyrite.

Reconciliation of Assay methods