BRITISH COLUMBIA

BC Geological Survey
Assessment Report
39167

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: Assessment Report on the Dunwell Property, Skeena Mining Division, British Columbia, Canada BCGS 103P.091 & 104A.001; NTS 103P/13 & 104A/04

TOTAL COST: $862,054.4

AUTHOR(S): James A. McCrea
SIGNATURE(S):
James McCrea

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): Mx-1-126/May 17, 2018
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): **5807597**/July 20, 2019 to Feb. 7, 2020

YEAR OF WORK: 2019

PROPERTY NAME: Dunwell

CLAIM NAME(S) (on which work was done): FDR, Lulu, Dunwell Fraction

Latitude 55° 59' 45"North
Longitude 129° 55' 22" West
UTM 6206006 North, 442444 East NAD83 Zone 09

COMMODITIES SOUGHT: gold, silver, lead and zinc

MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN: Minfile report 103P 052, 053

MINING DIVISION: Skeena
NTS / BCGS: BCGS Map 103P 091 NTS 103P/13
LATITUDE: 55 ° 59 ' 45 "
LONGITUDE: 129 ° 55 ' 22 " (at centre of work)
UTM Zone: 09 EASTING: 442444 NORTHING: 6206006

OWNER(S): American Creek Resources Ltd.

MAILING ADDRESS: American Creek Resources Ltd.
Box 70, #92, 2nd Ave West, Cardston, Alberta, Canada T0K 0K0

OPERATOR(S) [who paid for the work]: American Creek Resources Ltd.

MAILING ADDRESS:
As above

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**)
Drilling, sampling, mineralization, alteration

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:
16526, 16622, 16633, 23345, 23855, 34672, 37511

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	13.5 line km	FDR, Lulu , Dunwell Fraction	$107,275.32
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for …)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres, number of holes, size, storage location)			
Core	20 holes, NQ2 3245.90 m 439450E, 6201488N, Stewart, BC	FDR, Lulu, Dunwell Fraction	$717,107.90
Non-core			
RELATED TECHNICAL			
Sampling / Assaying	936 samples		$30,221.15
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale/area)			
PREPATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Legal Surveys (scale, area)			
Road, local access (km)/trail	Bridge repair		$960.00
Trench (number/metres)			
Underground development (metres)			
Other	Northern Goshawk Survey/ Wildlife management plan	All	$6,490.03
		TOTAL COST	$862,054.40

ASSESSMENT REPORT
ON THE DUNWELL PROPERTY

Skeena Mining Division
British Columbia, Canada
BCGS 103P.091 & 104A.001; NTS 103P/13 & 104A/04

Centered at
Latitude 55° 59' 45" North
Longitude 129° 55' 12" West
UTM 442600 East, 6206100 North, Zone 9N (NAD83)

Notice of Work Permit Number: **Mx-1-126**
Mine No.: 0100066

-Prepared for-

American Creek Resources Ltd.
PO Box 70, 92 – 2nd Avenue West
Cardston, Alberta, Canada
T0K 0K0

-Prepared by-

James A. McCrea, P.Geo.

Effective Date: June 30, 2020

DATE and SIGNATURE PAGE

The undersigned prepared this Assessment Report titled 'Assessment Report on the Dunwell Property, Skeena Mining Division, British Columbia, Canada', dated June 30, 2020, to document the 2019 drilling and geophysical program work on the property.

Signed by,

James McCrea

James A. McCrea, P. Geo.
Consulting Geologist

June 30, 2020
Signature Date

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF PHOTOS

APPENDICIES

1.0 SUMMARY

1.1 Introduction

American Creek Resources Ltd. ('American Creek' or the 'Company') holds a one hundred percent (100%) interest in the 18 mineral claims comprising the Dunwell property (the 'Property') that is situated within the Skeena Mining Division of British Columbia, Canada in the area known as BC`s Golden Triangle.

At the request of American Creek, the author prepared this assessment report. In addition to summarizing the Property's location, ownership, local physiographic features, exploration history, geological setting, and known mineralization, this assessment report documents the results of the 2019 exploration program that included diamond drilling and an induced polarization survey. This report contains a Statement of Expenditures incurred during the execution of the 2019 exploration program to support the application of assessment credit on the subject mineral claims.

1.2 Property Location and Description

The Dunwell property is located in the Intermontane Belt of northwestern British Columbia close to the contact with the Coast Belt and lies approximately 7.5 kilometers north of the town of Stewart along and west of secondary Highway 37A. Access to the property from Stewart is by Highway 37A north to the Dunwell Mine road, which leads to the Dunwell Mine. The property is a 15-minute drive from Stewart and the mine road is not maintained but in relatively good condition. Figures 1 and 2 show the location of the Property in BC and in the Stewart area respectively.

The Dunwell property consists of 18 mineral tenures with a registered area of 1655.79 ha. The registered areas do not allow for claim overlaps or Crown Grants with superposition. The actual footprint of the concession group is 1086.49ha. The claims are shown in Figure 3.

American Creek acquired the Silvershot, Bear River/MM and Dunwell properties in 2016 and amalgamated them into the present Dunwell Property. The Property covers some 12 historic prospects and of those nine are listed in Minfile.

1.3 Accessibility

Vehicular access to the Property from Stewart, BC is easy, proceed north on highway 37A and the mine access road is 4.42 km from the bridge on the Bear River. The 3.2 km mine access road allows access to Level 4 portal (374.6 m elevation) and 60 m further to the old mine camp site.

Highway Access to Stewart and the Property is via highways 16, 37 and 37A from Terrace, BC. Terrace has daily commercial airline service from Vancouver, BC or Calgary, AB.

1.4 History

The main development that occurred in the immediate property area was the construction and operation of the Dunwell Mine. The Dunwell was a significant gold and silver producer and between 1926 and 1937. A total of 45,657 tonnes were produced averaging 6.63 grams per tonne gold, 223.91 grams per tonne silver, 1.83 percent lead, 4.01 percent zinc and .056 percent copper.

There are four known adits associated with the historic Dunwell Mine workings. Three of those adits were located during the 2017 exploration program and Level 3 was found during the 2019 drill program

1.5 Regional and Local Geology

The Property area is situated along the boundary between the Intermontane and Coast Tectonic physio-geological regions or belts, both of which extend in a northwest-southeast direction throughout British Columbia and into the Yukon and Washington State.

The Dunwell property is underlain by three lithologic units. The Lower Jurassic Unuk River and Middle Jurassic Salmon River formations were intruded by the Tertiary Hyder Quartz Monzonite. Salmon River argillites and greywackes and other Hazelton Group rocks have been disturbed by the Portland Canal Fissure Zone. The fissure zone on the property is represented by a north trending shear zone and fold axis in the Salmon River argillites. West of the shear zone the argillites dip to the northwest and east of the shear zone they dip to the northeast. The Fissure Zone and related structures have not been well mapped in the area.

The Dunwell deposit consists primarily of three veins, the Sunbeam vein to the north, the Dunwell (# 23) vein in the middle and The George E. to the south, with a number of secondary veins. The veins are developed on a Riedel style shearing model and are adjacent to a major north striking, west dipping fault zone. The character of some of these veins resembles filled en echelon tension fractures and the large ones (# 23) more open space filling of large tension fractures or fissures. The veins in the Dunwell Mine are commonly situated along one or both sides of what appear to be parallel dacite dikes which can be as small as 20 cm and to over 1.5 meters wide. The dikes or the dike swarm were intruded into the shear zone and exploited the planes of weakness present at the time of the event and these planes of weakness were the same en echelon fractures as the mineralization. In numerous occurrences, logged during the 2019 drill program, the dikes have filled fractures or blebs of sphalerite pyrite, and galena, as though the intrusion of the dike had remobilized the sulphides into the dike or as fracture fill.

1.6 Mineralization and Alteration

Mineralization consists of breccias or stringers of pyrite, galena, sphalerite and tetrahedrite with minor chalcopyrite, native silver, gold and argentite in a gangue of quartz and calcite. The breccias are open space filling within the shear zone.

1.7 2019 Exploration Program

In September of 2019, American Creek contracted Simcoe Geosciences to conduct an Alpha IP survey at Dunwell. The survey consisted of 10 IP profiles and 13.5 line kilometers of IP data was acquired using ‘dipole -pole-dipole’ configuration with a 50m station spacing. Over the Dunwell Mine project, at least thirty seven (37) anomalous zones are interpreted along ten (10) profiles as significant targets for follow up from surface to ~300m+ depth. Out of thirty seven (37) anomalous zones, fifteen (15) are considered first priority, sixteen (16) second and six (6) are third priority targets. The interpreted chargeability anomalous zones were prioritized and assigned an ID according to the anomaly amplitude, size, possible profile to profile continuation and multi - parameter (Resistivity and Chargeability) association. The anomalous zones consist of strong to moderate chargeability and their association with conductive to resistive zones.

The 2019 drill program started in late July and the program consisted of 20 NQ diamond drill holes for a total of 3245.90 m of NQ drilling from two platforms. A slid mounted Bort Longyear 38 was used for the program and moved on to the platforms with a Caterpillar D6D. The initial objectives for the drill program were to confirmation of the results from Mountain Boy's 2010 drilling collared by the Level No. 4 portal. The secondary objective was to test the down dip extension of the Dunwell main vein below sub-level 4. Drill hole locations are listed in Table 3 and shown Figure 9. Results are summarized in Tables 4a to 4f.

1.8 Conclusions and Recommendations

The Dunwell property hosts some eight past producers from the nine Minfile occurrences on the Property with the largest being the Dunwell mine. The proliferation of mineral occurrences on the Property is the result of the Portland Canal Fissure Zone that transects it.

The initial target for the drill program was to follow up on Drilling by Mountain Boy below Level No. 4 in 2010. The secondary target was to look for the down dip extension of the Dunwell below Level No. 4 with a fan of holes (east to north) where the final hole was to look for the north extension of the zone as shown by long north drift on Level 3. The two drill locations were road/trail accessible.

The Alpha IP survey showed some 30 anomalies with the largest being the Dunwell mine itself and road access on the Property limited which anomalies can be readily tested.

The 2019 drill program could not duplicate results from Mountain Boy and the program showed that the Dunwell main zone ends above Level No. 4. The holes drilled to test for the northern extension of the Dunwell zone returned sulphide intercepts, however follow up drilling from surface may not be possible because of extreme terrane conditions in that area of the Property.

The geophysical program provided various, potentially semi-massive sulphide, targets, which included targets north along the fissure zone but also several targets south along the zone from the Dunwell mine.

1.9 RECOMMENDATIONS

It is recommended that further work be conducted on the property. The recommended work program would include the following:

1) Drill geophysical anomalies:

- test first priority IP targets on lines L700 and L800
- test first priority IP target on line L100 with platform along the access road.

These southern targets could be drilled from the access road or just off of it and offer the potential for the discovery of new mineralization.

2) Detailed surface geological mapping of the property in an effort to establish the relationship between the previously mined Dunwell veins and the other numerous high grade mineral occurrences on the property.

3) Detailed underground geological mapping and sampling.

4) Additional geophysics aimed at locating fissure type semi-massive sulphide ore bodies.

5) Trench sampling of known vein systems.

6) Extensive additional prospecting in an effort to locate new high grade vein systems on the property. Additional exploration is warranted

2.0 INTRODUCTION and TERMS OF REFERENCE

American Creek Resources Ltd. ('American Creek' or the 'Company') holds a one hundred percent (100%) interest in the 18 mineral claims comprising the Dunwell property (the 'Property') that is situated within the Skeena Mining Division of British Columbia, Canada in the area known as BC`s Golden Triangle.

At the request of American Creek, the author prepared this assessment report. In addition to summarizing the Property's location, ownership, local physiographic features, exploration history, geological setting, and known mineralization, this assessment report documents the results of the 2019 exploration program that included diamond drilling and an induced polarization survey. This report contains a Statement of Expenditures incurred during the execution of the 2019 exploration program to support the application of assessment credit on the subject mineral claims.

2.1 Sources of Information

General information on the regional geological setting and exploration history of the property were compiled in part from the nine Minfile reports on the Property (Minfile 103P 052, 053, 054, 064 and 104A 050, 054, 056, 067, 149,). Property-specific information on the local geology and previous exploration work and results were compiled from assessment reports on the fourteen various prospects and from American Creek corporate press releases and private reports.

The author supervised the 2019 diamond drilling program and visited the property almost daily during this program from July 16 to December 4. The compiled information is considered accurate but the author does not assume responsibility for its accuracy.

This report was prepared to summarize the exploration work conducted by American Creek on the property in the summer and fall of 2019. An examination of historic exploration and development work including past drilling was also conducted in order to determine locations for drill holes and to evaluate the potential for additional mineralization.

3.0 PROPERTY LOCATION & DESCRIPTION

The Dunwell property is located in the Intermontane Belt of northwestern British Columbia close to the contact with the Coast Belt and lies approximately 7.5 kilometers north of the town of Stewart along and west of secondary Highway 37A. Access to the property from Stewart is by Highway 37A north to the Dunwell Mine road, which leads to the Dunwell Mine. The property is a 15-minute drive from Stewart and the mine road is not maintained but in relatively good condition. Figures 1 and 2 show the location of the Property in BC and in the Stewart area respectively.

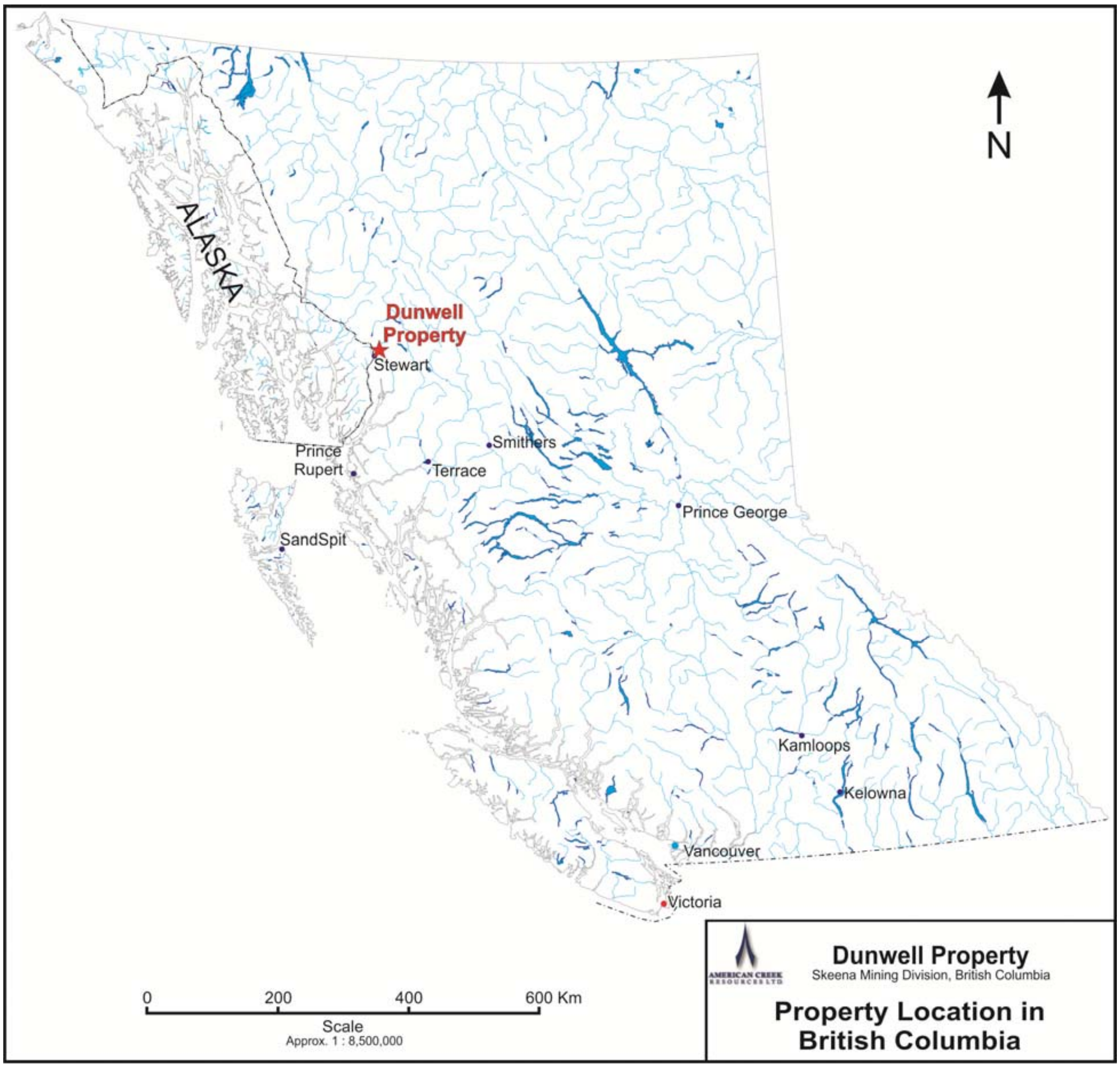


Figure 1: Dunwell Property Location within British Columbia

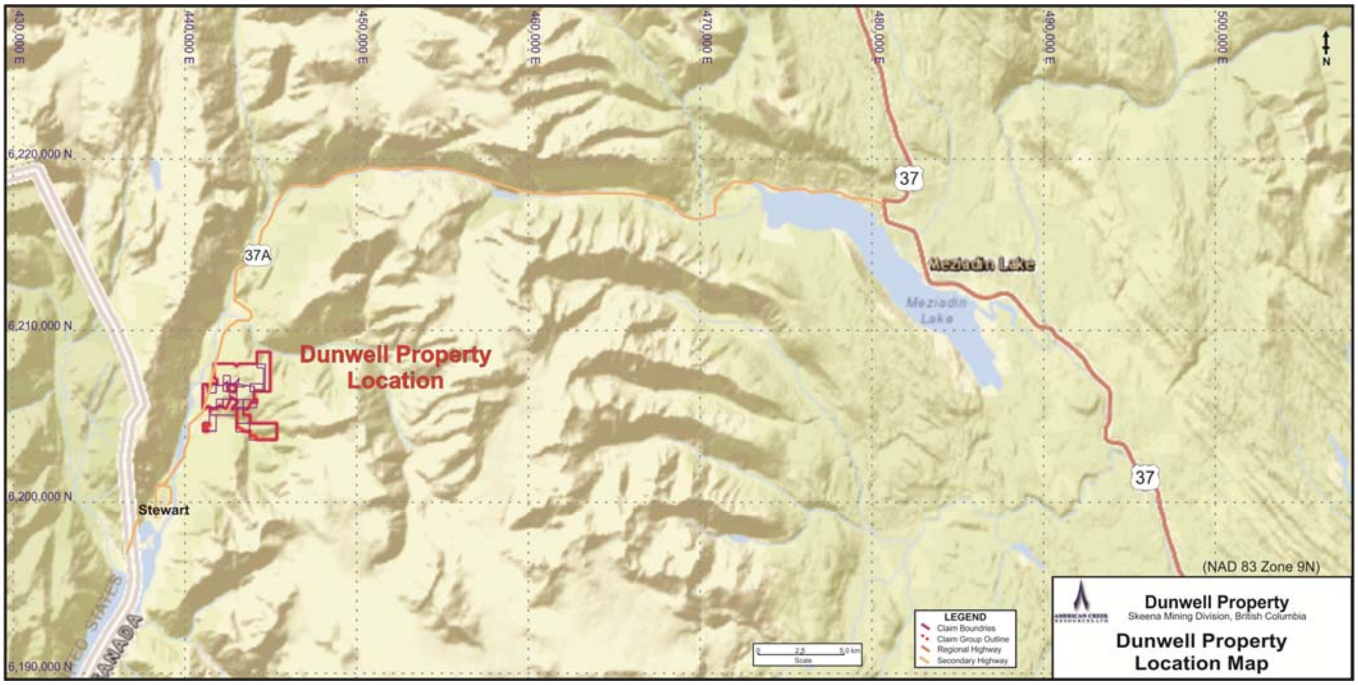


Figure 2: Dunwell Property Location within Stewart Region

The Dunwell property consists of 18 mineral tenures with a registered area of 1655.79 ha. The registered areas do not allow for claim overlaps or Crown Grants with superposition. The actual footprint of the concession group is 1086.49ha. The claims are shown in Figure 3.

American Creek acquired the Silvershot, Bear River/MM and Dunwell properties in 2016 and amalgamated them into the present Dunwell Property. The Property covers some 12 historic prospects and of those nine are listed in Minfile. The tenures are listed in the Table 1 below:

Table 1: Dunwell Property Mineral Tenures

Tenure Number	Zone	Claim Name	Good Until	Area (ha)
250741	Bear River	M.M. #100	20220309	450.00
251711	Bear River	REFER TO LOT TABLE	20220310	25.00
373705	Dunwell old	BEN ALI	20220310	25.00
373706	Dunwell old	FDR	20220315	450.00
545317	Dunwell old	BEN ALI FRACTION	20220310	18.0902
545809	Dunwell old	CHAMPION 9	20220310	18.1001
556050	Dunwell old	DUNWELL 2	20220310	18.0921
556054	Dunwell old	LULU	20220315	108.6046
596543	Dunwell old	DUNWELL FRACTION	20220310	18.0979
1019636	Dunwell old	LAKEVIEW A	20220310	36.1957
1019637	Dunwell old	LAKEVIEW B	20220315	36.1829
1023629	Dunwell old	-	20220315	126.6087
1042958	Silver Shot	GOLDSHOT	20201031	36.2024
1042968	Silver Shot	SILVERSHOT	20201031	54.2996
1042970	Silver Shot	SILVERBULL	20201031	144.8088
1059246	Dunwell new	DUNWELL SOUTH	20200913	54.315
1060236	Dunwell new	SUNBEAM	20200423	18.0921
1060242	Dunwell new	DUNWELL NEW	20200423	18.0981
		Total		1655.788

.

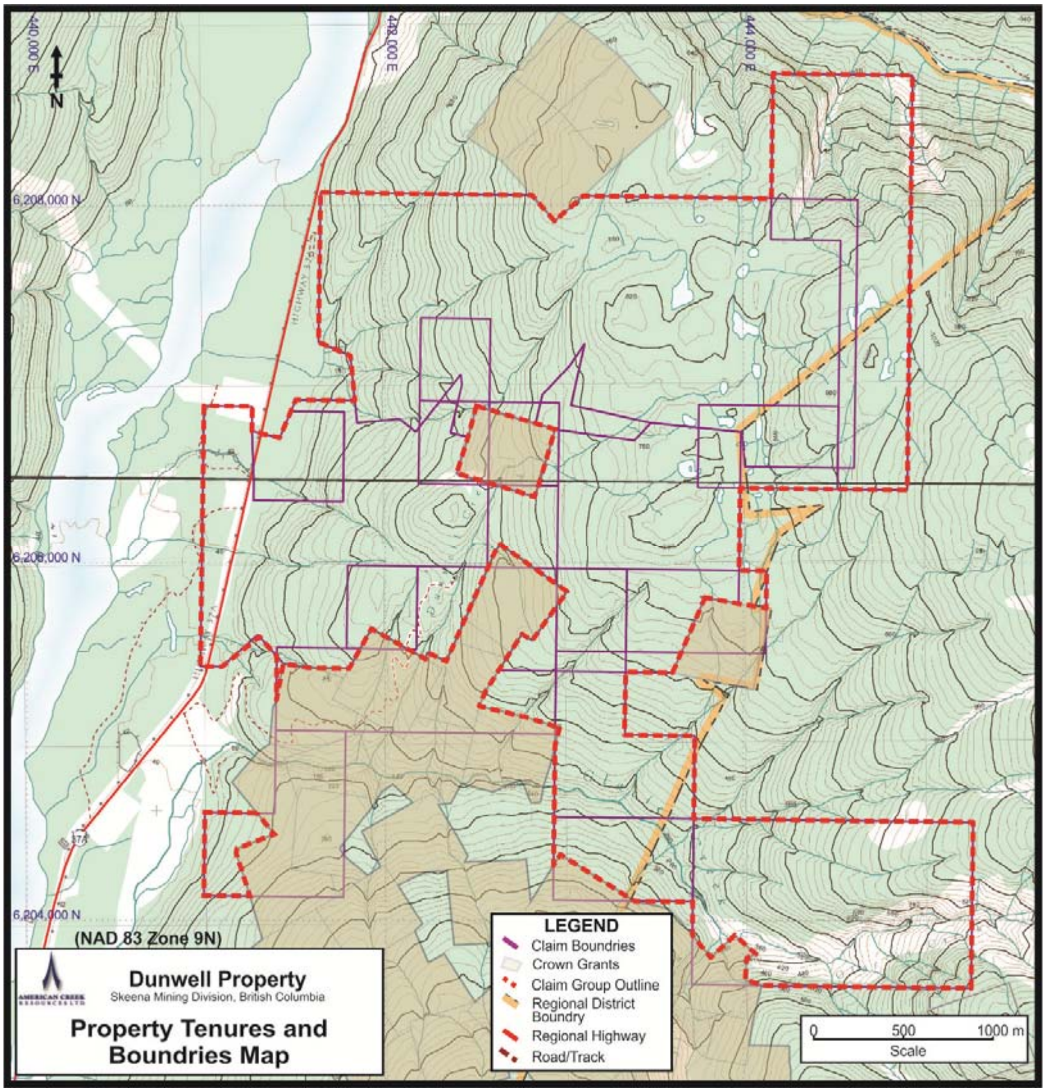


Figure 3: Dunwell Property Tenure Map

4.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE and PHYSIOGRAPHY

4.1 Accessibility

Vehicular access to the Property from Stewart, BC is easy, proceed north on highway 37A and the mine access road is 4.42 km from the bridge on the Bear River. The 3.2 km mine access road allows access to Level 4 portal (374.6 m elevation) and 60 m further to the old mine camp site.

Highway Access to Stewart and the Property is via highways 16, 37 and 37A from Terrace, BC. Terrace has daily commercial airline service from Vancouver, BC or Calgary, AB. Road distances from Terrace are listed in Table 2.

Table 2: Highway Travel Times to Stewart, BC

Origin	Destination	Distance	Time (Approx.)
Terrace	Kitwanga	98.9 km	1 hour and 7 min.
Kitwanga	Meziaden Junction	153.0 km	2 hours.
Meziaden Junction	Stewart	59 km	43 min
Total	Terrace to Stewart	310.9 km	3 hours and 50 min.

4.2 Climate

Stewart has a humid continental climate, with about 1,866.8 mm (73.5 in) per year of precipitation, much of it as snow, and an average yearly temperature of 6.1 C (43.0 F), according to Environment Canada (Wikipedia, 2020). Due to its proximity to the ocean, the climate retains strong maritime influences, with winters being far milder than locations farther inland. With an average of 985 hours of annual sunshine, Stewart is one of the cloudiest places in the world.

The relatively low elevation of the property and close proximity to Stewart allows for year-round drilling.

4.3 Local resources and Infrastructure

The closest town to the Property is the village of Stewart. Stewart has a population of 494 (2011) permanent residents (Wikepedia), has accommodation available, some food and supplies can be obtained in Stewart. Stewart also has the regional hospital and local government offices. The Stewart area has a long mining history resulting in a large and experienced mining work force. All mining and exploration supplies and equipment are readily available from either of the two closest larger communities: Terrace or Smithers (327.5 km).

Four levels of abandoned underground mine workings can be found on the Property from past mining operations undertaken from the mid 1920's to the early 1940's as well as adits on a number of the Minfile prospects on the Property.

Electrical transmission lines in the area include a 138 kV line that runs along Highway 37A to the regional sub-station on the west side of the property. Water sources are available on site for drilling.

There is sufficient area within the Property for any possible future mining and mineral processing facilities

Stewart is Canada's most northerly ice-free port. Mineral concentrates can be shipped from the port and large mining equipment can received at the port.

4.4 Physiography

The topography of the property is rugged, with steep slopes and deep gorges. Elevations range from 40 m along the highway to 1050 metres above sea level in the east central part of the Property. The property's lower elevations allow for a longer exploration season than is typical in the Stewart region and drilling could be conducted year-round. Vegetation consists of thick undergrowth of tag and slide alders and devil's club, along with stands of mature spruce and hemlock.

The Google Earth image in Figure 4, below, shows the terrain and physical features of the property:

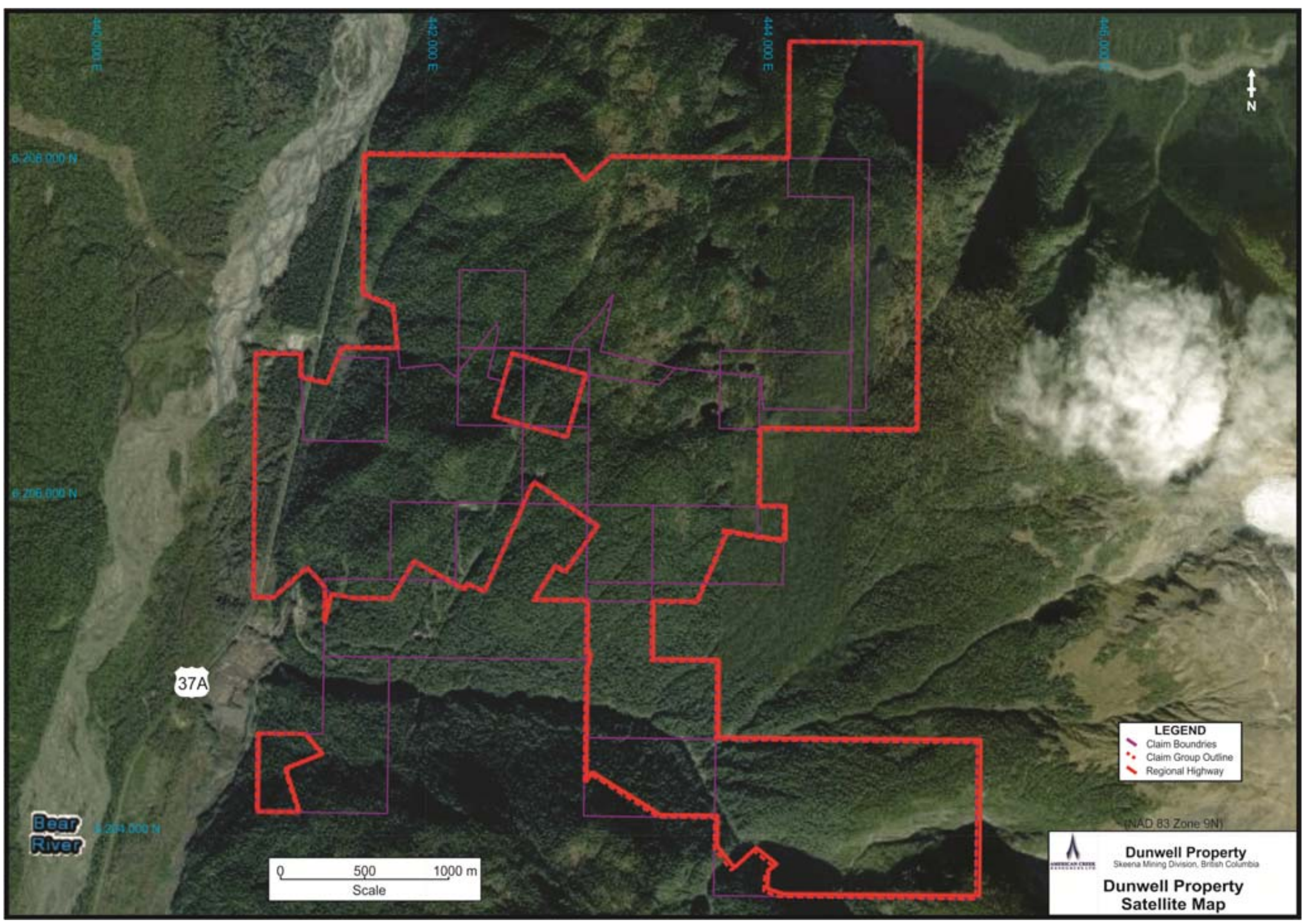


Figure 4: Satellite Image of the Dunwell Property

5.0 HISTORY

5.1 Regional Mining History

Stewart is a mining town, where the area is one of the major precious metals mining districts in western Canada with several million ounces of gold and silver having been produced from this region, with a varied history dating back to an unsuccessful search for placer gold north of the Portland canal in 1898.

Placer miners on their way north to the Klondike entered the Stewart area via the Portland Canal. Placer gold is reported to have been discovered in Mayflower Creek, Glacier Creek and Bitter Creek.

A few of the participants of the ill-fated placer gold scheme remained in the area to prospect and initial lode mineral claims were staked on tributaries of Bear River between 1899 and 1903. The Stewart town site was incorporated in 1907 and prospecting along Salmon River resulted in the discovery of mineralization that was later to become the Big Missouri property. Limited production from this deposit and two others along Bear River began in 1910. A discovery east of Salmon River in 1916 was developed as the Premier mine which operated for forty years and was one of the most significant gold and silver producers in British Columbia.

Hard rock exploration dates back to 1898 when gold claims were first staked along Bitter Creek. A number of workings have been developed in the area with several adits being driven into promising mineralized showings.

More than 150 mineral deposits and occurrences are known within the area. Of these, more than 50 had recorded at least some production through 1970 (Randell et al., 2019).

5.2 Property Mining History

The main development that occurred in the immediate property area was the construction and operation of the Dunwell Mine. The Dunwell was a significant gold and silver producer and between 1926 and 1937. A total of 45,657 tonnes were produced averaging 6.63 grams per tonne gold, 223.91 grams per tonne silver, 1.83 percent lead, 4.01 percent zinc and .056 percent copper.

There are four known adits associated with the historic Dunwell Mine workings. Three of those adits were located during the 2017 exploration program and Level 3 was found during the 2019 drill program (not shown). It is believed that the historic #1 (Upper), the #2 (Middle), and the #4 (Main) adits were identified/located. Photos of the respective adits are below:

Photo 1: Number 4 (Main) Adit

Photo 2: Number 2 (Middle) Adit

Photo 3: Number 1 (Upper) Adit

In addition to the Dunwell Mine, high-grading operations at other nearby locations such as the Ben Ali, Sunbeam, George E., Little Wonder, Victoria, Emperor, and others also contributed to precious metals production for the area. See Figure 5 below:

The Dunwell area lay dormant until the 1980's when limited exploration was conducted on the property. Since that time, very little in the way of exploration has occurred. The most recent exploration conducted on the Property prior to the acquisition by American Creek in 2016 was the 2009 – 2011 drilling by Mountain Boy Minerals ('MTB').

Drilling conducted by MTB in 2009-2011 was reported as successfully discovering potential additional mineralization below the historic underground workings of the Dunwell Mine. Holes intersected pyrite, sphalerite, galena and chalcopyrite mineralization within quartz breccias and brecciated argillite zones in contact with altered (green schist) weakly mineralized dykes. Mineralization forms zones ranging from 3 to 9 meters in width. Drilling has intersected these zones between 170 and 260 metres below the mine's No. 4 level, the lowest level on which mining occurred during previous operations. The new zone of mineralization has reportedly been intersected over a length of 250 metres, a depth of 100 metres and over widths up to 10 metres. Mineralization is open in all directions from the new drilling as well as down dip from the existing workings.

Drill intersections included:

3.04 meters grading 6.76 g/t gold, 111.1 g/t silver, 2.13 % lead and 4.36 % zinc.
6.7 meters grading 14.27 g/t gold, 37.81 g/t silver, 0.25 % lead and 0.63 % zinc
6.64 meters grading 7.66 g/t gold, 37.4 g/t silver, 0.33 % lead and 0.90 % zinc

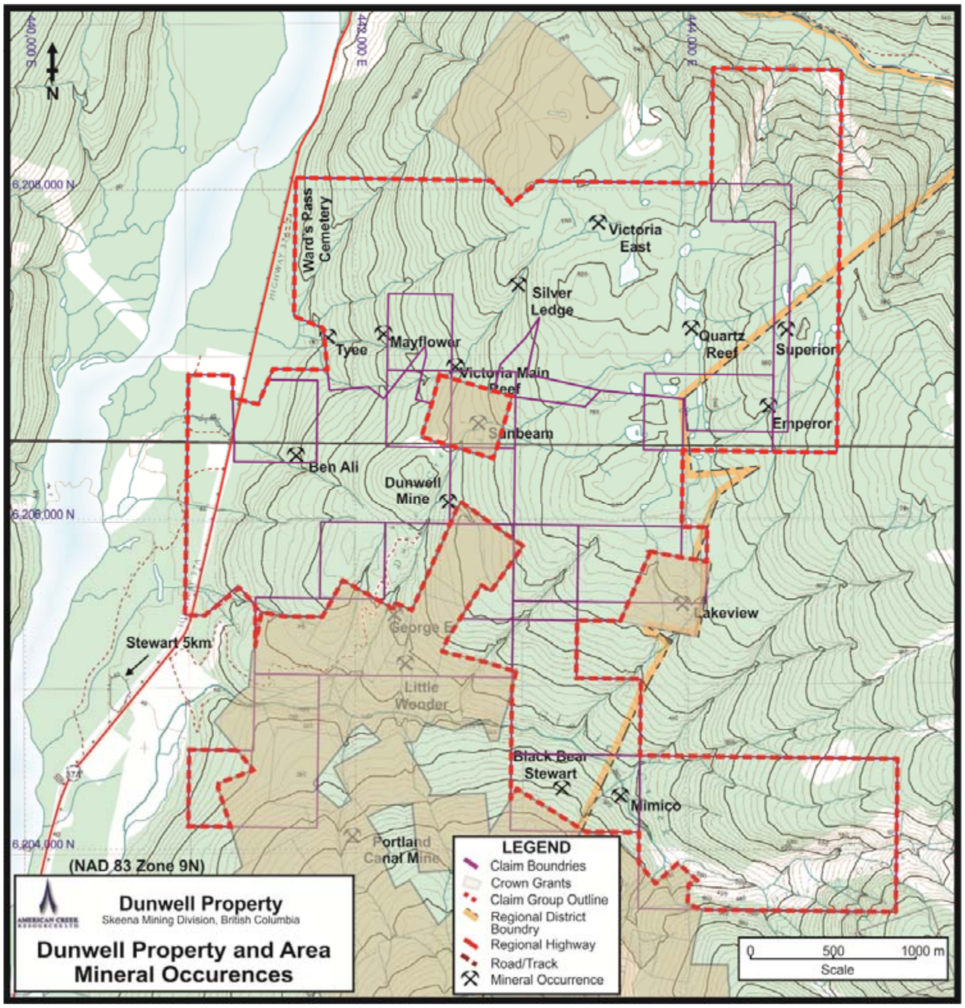


Figure 5: Mineral Occurrences/Prospects on The Dunwell Property

6.0 GEOLOGICAL SETTING AND MINERALIZATION

6.1 Regional Geology

The Property area is situated along the boundary between the Intermontane and Coast Tectonic physio-geological regions or belts, both of which extend in a northwest-southeast direction throughout British Columbia and into the Yukon and Washington State.

Much of the Intermontane belt east of the Coast Tectonic belt is underlain by Stikine Terrane which consists of Carboniferous to mid-Jurassic arc volcanic and plutonic rocks, late Jurassic sedimentary rocks and early Cretaceous volcanic and sedimentary sequences throughout central and northern British Columbia. Stikine Terrane in the immediate vicinity of Stewart includes a late Triassic through mid-Jurassic sequence of volcanic and lesser sedimentary rocks, typical of the Hazelton group which is widespread throughout west central British Columbia. Hazelton Group in the Stewart area has been subdivided by Alldrick (1993) into four formations, from oldest to youngest: Unuk River Formation, Betty Creek Formation, Mt. Dilworth Formation, and Salmon River Formation. The Mount Dilworth Formation was added to the Salmon River Formation (Lewis, 2013) The basal (Upper Triassic – Lower Jurassic), predominantly volcanic, Unuk River Formation and the slightly younger Betty Creek Formation, which consists of coarse volcaniclastics and lesser sediments, are overlain by the Mt. Dilworth Member, a felsic volcanic sequence, and the mostly sedimentary Salmon River Formation, both of Middle Jurassic age. Overlying the three Hazelton formations immediately east of the area is the Upper Jurassic Bowser Lake Group, consisting of clastic sedimentary rocks, which define the western margin of the of the Bowser basin. The Coast Tectonic belt in this part of northwestern British Columbia is made up of Coast Plutonic Complex granitic rocks, here mainly represented by equigranular, medium-grained granodiorites and quartz monzonites of the Hyder plutonic suite of Tertiary (Eocene) age. Older granitic rocks of the Texas Creek plutonic suite are exposed in two areas north and east of Stewart.

These are mainly coarse-grained granodiorites and are comagmatic with the Early Jurassic volcanic rocks of the lower part of the Hazelton Group. Hazelton group layered rocks are folded about northwest-trending axes. Numerous regional and local faults include north trending sub-vertical shear zones which are cut by northeast and northwest cross faults. The most prominent structural feature in the Stewart area is the Portland Canal Fissure Zone, an irregular-shaped northeast trending shear zone with related mineralized quartz veins. The Tertiary Portland Canal Dyke Swarm is prominent in the region.

6.2 Property Geology

The Dunwell property is underlain by three lithologic units. The Lower Jurassic Unuk River and Middle Jurassic Salmon River formations were intruded by the Tertiary Hyder Quartz Monzonite. Salmon River argillites and greywackes and other Hazelton Group rocks have been disturbed by the Portland Canal Fissure Zone. The fissure zone on the property is represented by a north trending shear zone and fold axis in the Salmon River argillites. West of the shear zone the argillites dip to the northwest and east of the shear zone they dip to the northeast. The Fissure Zone and related structures have not been well mapped in the area.

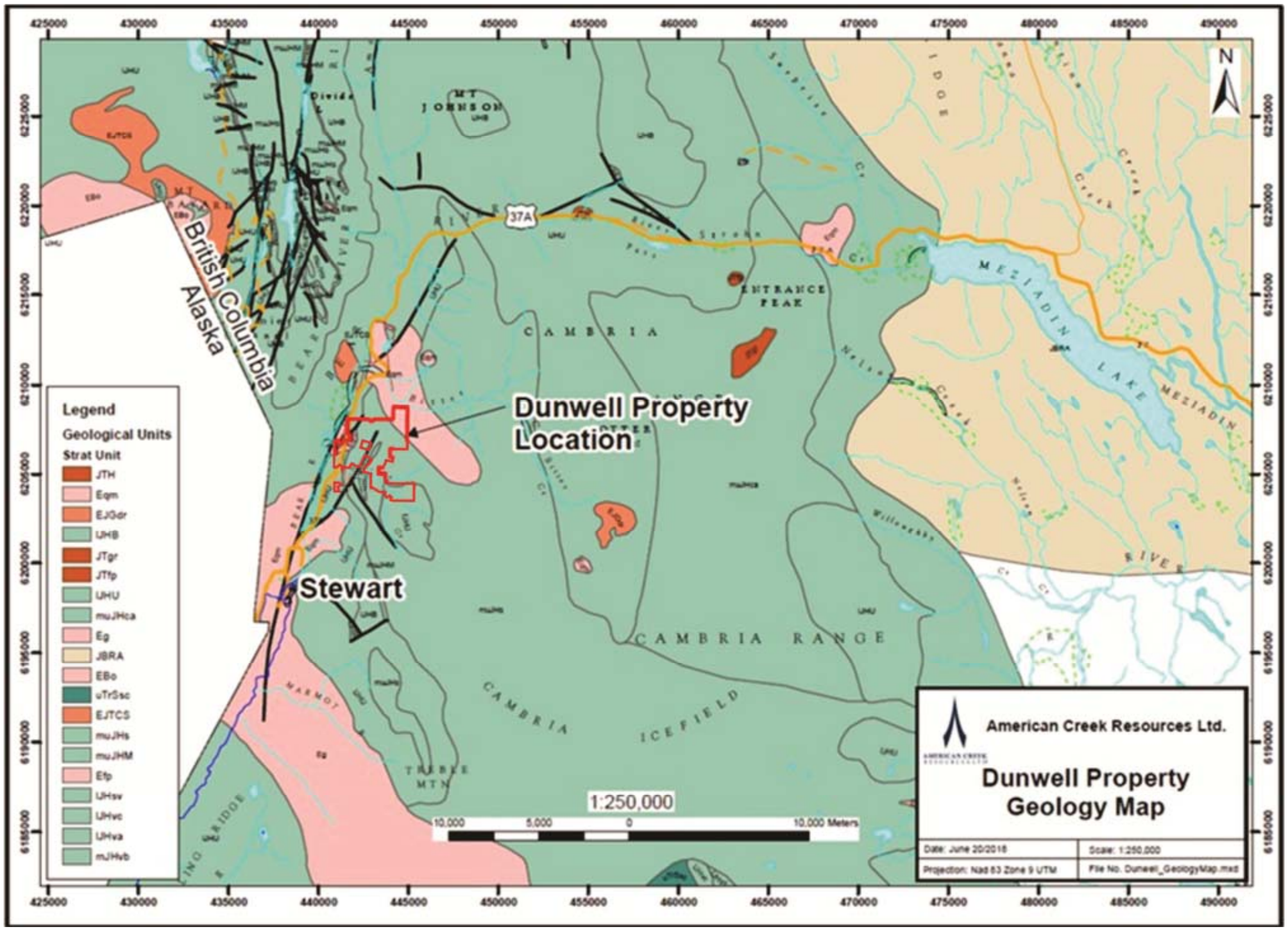


Figure 6: Regional Geology Map of The Dunwell Property

The Dunwell deposit consists primarily of three veins, the Sunbeam vein to the north, the Dunwell (# 23) vein in the middle and The George E. to the south, with a number of secondary veins. The veins are developed on a Riedel style shearing model and are adjacent to a major north striking, west dipping fault zone. The character of some of these veins resembles filled en echelon tension fractures and the large ones (# 23) more open space filling of large tension fractures or fissures. The veins in the Dunwell Mine are commonly situated along one or both sides of what appear to be parallel dacite dikes which can be as small as 20 cm and to over 1.5 meters wide. The dikes or the dike swarm were intruded into the shear zone and exploited the planes of weakness present at the time of the event and these planes of weakness were the same en echelon fractures as the mineralization. In numerous occurrences, logged during the 2019 drill program, the dikes have filled fractures or blebs of sphalerite pyrite, and galena, as though the intrusion of the dike had remobilized the sulphides into the dike or as fracture fill.

6.3 Mineralization and Alteration

Mineralization consists of breccias or stringers of pyrite, galena, sphalerite and tetrahedrite with minor chalcopyrite, native silver, gold and argentite in a gangue of quartz and calcite. The breccias are open space filling within the shear zone. The Dunwell vein contains up to 75% sulphides locally (semi massive) and is hosted in a breccia.

The mineralized zones are associated with breccias at the contact with the dacite dikes in the main Dunwell area. The breccias can have coarse grained sphalerite, pyrite and galena where the composition is predominately sphalerite and pyrite. Away from the main Dunwell area and the dikes, the semi massive sulphides appear more as fill in large fractures or breaks. Coarse grained sulphides in breccias host the gold mineralization. The dikes and breccias trend sub-parallel to the shear and were at predictable dike contacts along the trend of the shear.

The Dunwell mine area has a green schist regional metamorphic over print. The metamorphic over print is evident in the alteration of the dacite dikes where all the ferromagnesian minerals in the dikes have been altered to chlorite and the dikes have the characteristic green colouring of green schist facies.

An additional, non precious metal, mineralizing event is seen at Dunwell. The mineralization is mesothermal in character with intense silicification and veining with pyrrhotite, pyrite and minor metallic sulphides. The margins of these silicified vein zones are characterized by what appears to be contact metamorphism or hornfels where the underlying argillites are locally chloritized, sericitized and colored brown with potassium metasomatisum or biotite alteration. The zones are extensive and locally highly magnetic but contain only traces of precious and base metals.

7.0 SUMMARY OF 2019 EXPLORATION WORK

7.1 Alpha IP Study

In September of 2019, American Creek contracted Simcoe Geosciences to conduct an Alpha IP survey at Dunwell. The survey consisted of 10 IP profiles and 13.5 line kilometers of IP data was acquired using 'dipole -pole-dipole' configuration with a 50m station spacing. Over the Dunwell Mine project, at least thirty seven (37) anomalous zones are interpreted along ten (10) profiles as significant targets for follow up from surface to ~300m+ depth. Out of thirty seven (37) anomalous zones, fifteen (15) are considered first priority, sixteen (16) second and six (6) are third priority targets. The interpreted chargeability anomalous zones were prioritized and assigned an ID according to the anomaly amplitude, size, possible profile to profile continuation and multi - parameter (Resistivity and Chargeability) association. The anomalous zones consist of strong to moderate chargeability and their association with conductive to resistive zones.

The largest chargeability anomaly on the Property is located under the second drill pad close to the Level 3 portal. The IP grid is shown in Figure 7 and IP anomalies are shown on Figure 8.

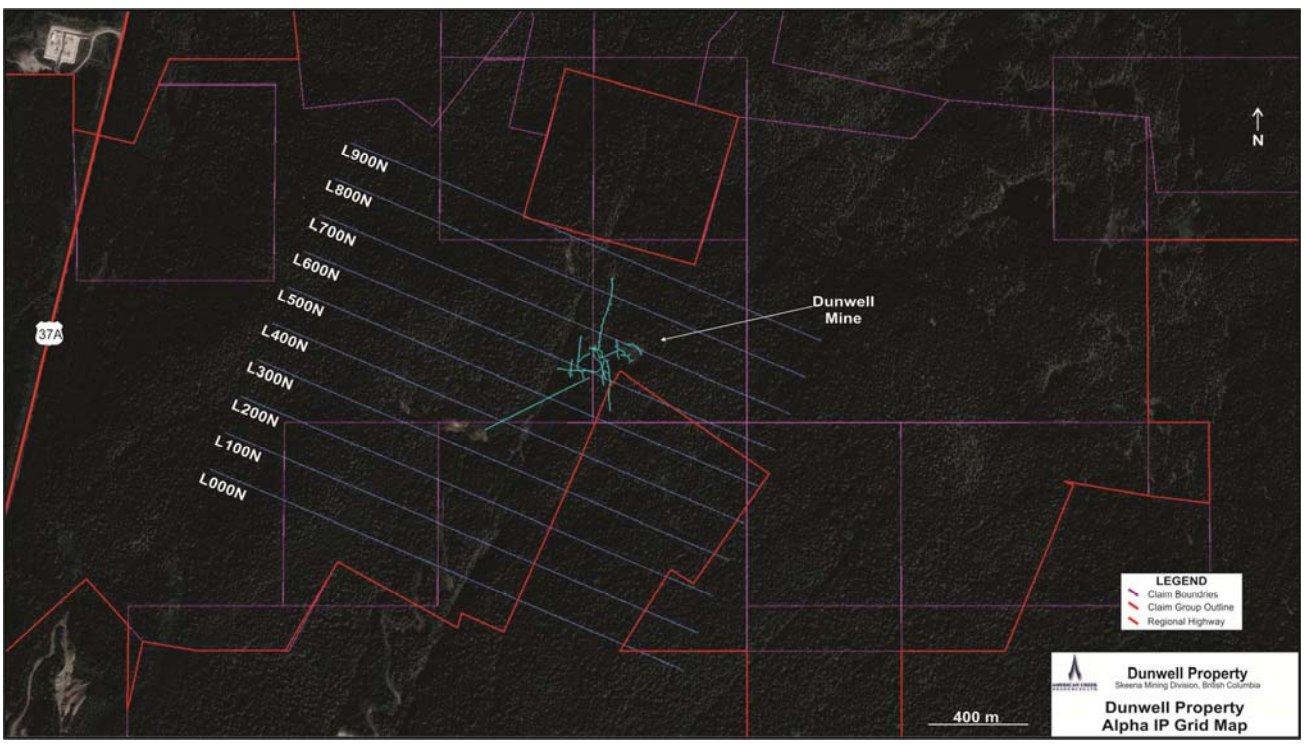


Figure 7: Alpha IP Grid on The Dunwell Property

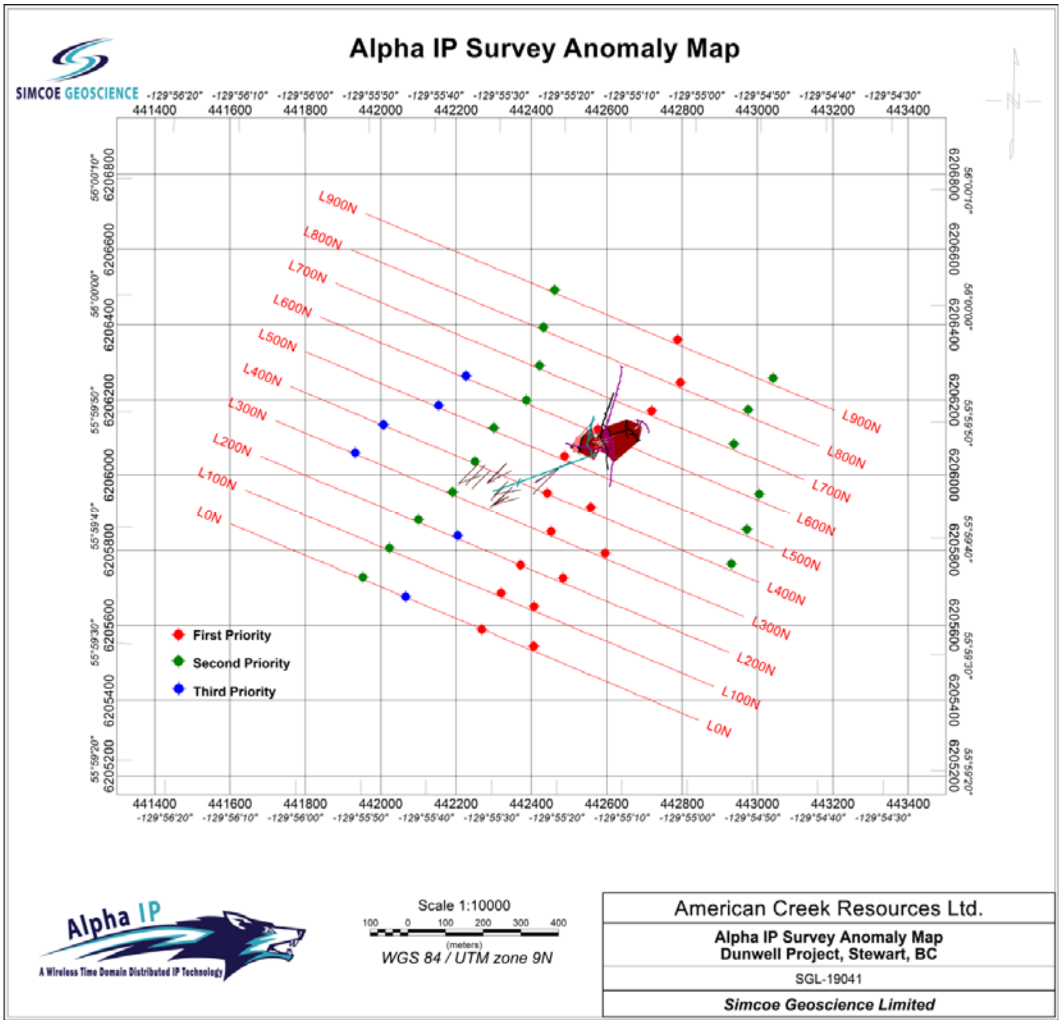


Figure 8: Alpha IP Grid and Anomalies on The Dunwell Property

IP Pseudo Sections are shown in Appendix 3.

7.2 Diamond Drilling

The 2019 drill program started in late July and the program consisted of 20 NQ diamond drill holes for a total of 3245.90 m of NQ drilling from two platforms. A slid mounted Bort Longyear 38 was used for the program and moved on to the platforms with a Caterpillar D6D. The initial objectives for the drill program were to confirmation of the results from Mountain Boy's 2010 drilling collared by the Level No. 4 portal. The secondary objective was to test the down dip extension of the Dunwell main vein below sub-level 4. Drill hole locations are listed in Table 4 and shown Figure 9. Drill Hole Sections are shown in Appendix 4.

Table 3: Drill Hole Locations

Hole-ID	Location X	Location Y	Location Z	Length	Azimuth	Dip
DW19-01	442292.00	6205916.00	373.00	252.07	49.00	-59.00
DW19-02	442292.00	6205916.00	373.00	282.55	55.00	-55.00
DW19-03	442292.00	6205916.00	373.00	313.03	60.00	-55.00
DW19-04	442504.00	6206075.00	437.00	126.80	110.00	-75.00
DW19-05	442504.00	6206075.00	437.00	154.53	105.00	-87.00
DW19-06	442504.00	6206075.00	437.00	121.01	95.00	-75.00
DW19-07	442504.00	6206075.00	437.00	114.91	84.00	-70.00
DW19-08	442504.00	6206075.00	437.00	102.72	50.00	-65.00
DW19-09	442504.00	6206075.00	437.00	145.39	40.00	-50.00
DW19-10	442504.00	6206075.00	437.00	139.29	126.00	-75.00
DW19-11	442504.00	6206075.00	437.00	169.77	40.00	-57.50
DW19-12	442504.00	6206075.00	437.00	166.73	40.00	-65.00
DW19-13	442504.00	6206075.00	437.00	172.21	40.00	-43.00
DW19-14	442504.00	6206075.00	437.00	170.00	35.00	-57.00
DW19-15	442504.00	6206075.00	437.00	239.88	168.00	-55.00
DW19-16	442504.00	6206075.00	437.00	139.29	270.00	-60.00
DW19-17	442504.00	6206075.00	437.00	81.38	270.00	-50.00
DW19-18	442504.00	6206075.00	437.00	105.77	270.00	-70.00
DW19-19	442504.00	6206075.00	437.00	93.57	270.00	-60.00
DW19-20	442428.40	6205982.82	408.00	155.00	80.00	-45.00

Holes DW19-01 to 03 were drilled to test the zone, reported by Mountain Boy in 2010, that is below level 4 (Figure 9). The Mountain Boy results could not be duplicated.

Holes DW19-04 to DW19-08 were drilled to test the down dip of the main Dunwell zone below sub level 4.

Table 4a: Drill Hole Results for Holes DW19-04 to 08

Hole-ID	From	To	Interval	Au_PPM	Ag_PPM	Cu%	Pb%	Zn%
DW19-04	86.26	87.26	1.00	2.242	17.8	0.036	0.407	1.000
DW19-05	21.29	21.64	0.35	9.828	65.8	0.070	2.770	3.280
DW19-06	26.93	27.73	0.80	1.965	36.5	0.066	0.467	2.190
DW19-07	26.27	26.77	0.50	2.305	26.7	0.071	0.521	2.670
DW19-07	82.14	82.79	0.65	3.114	25.6	0.009	0.068	0.694
DW19-08	26.45	27.13	0.68	3.959	41.0	0.070	0.949	3.710
DW19-08	89.25	90.17	0.92	1.551	6.7	0.001	0.021	0.050

Results show small moderate to high-grade hits in this fan of holes that traversed from the East southeast to the east. The holes consistently hit 2 zones, both at the base of dikes at 22 to 26 meters and 83 to 87 meters roughly. These two zones, seen in the five holes, run sub-parallel to the fault the drill pad is over and trend to the north.

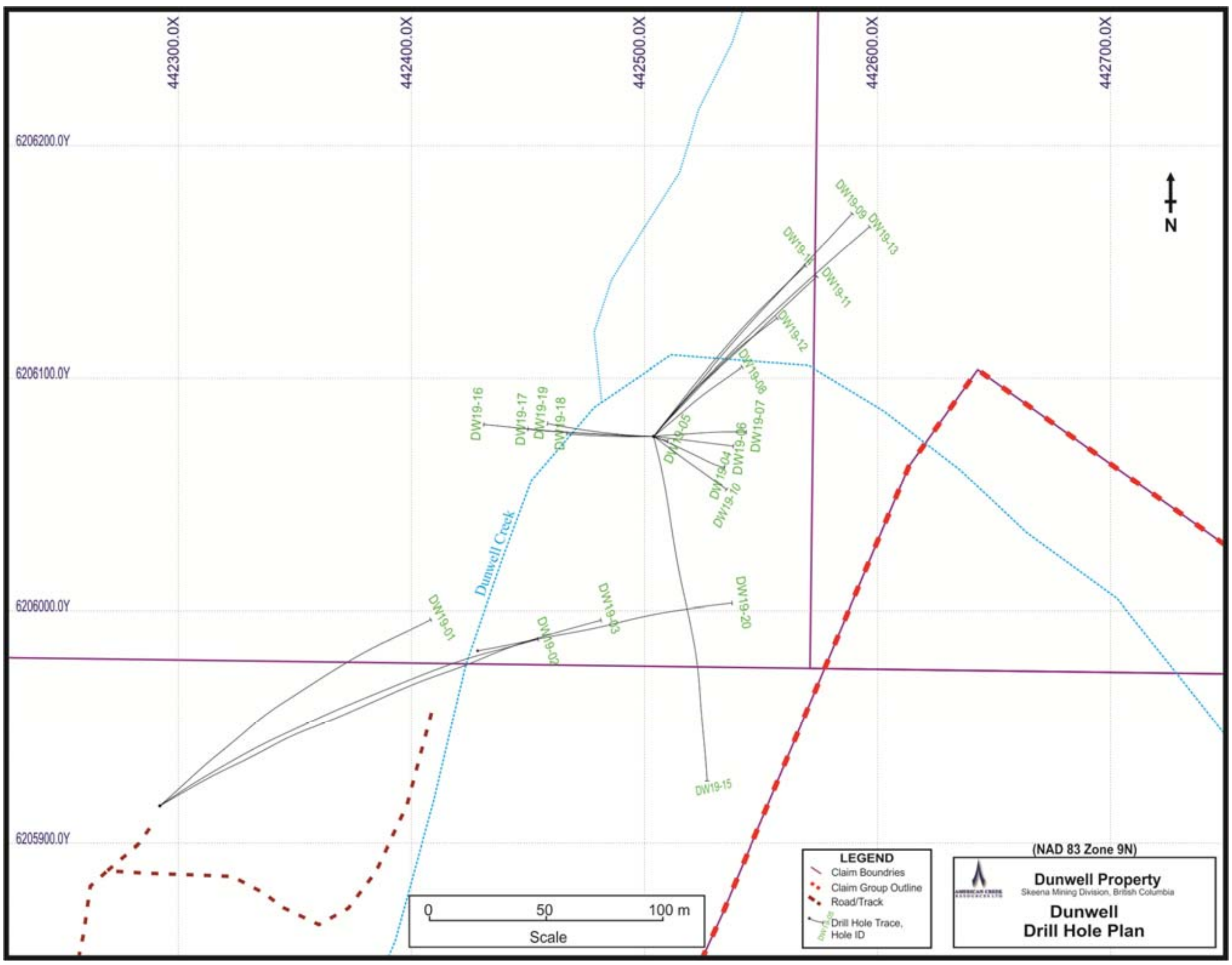


Figure 9: 2019 Drill Hole Plan for The Dunwell Property

Hole DW19-09 was drilled to test the north extension of the main zone below level 4.

Table 4b: Drill Hole Results for Hole DW19-09

Hole-ID	From	To	Interval	Au_PPM	Ag_PPM	Cu%	Pb%	Zn%
DW19-09	27.60	28.05	0.45	13.870	258.0	0.438	15.530	11.040
DW19-09	143.02	144.52	1.50	7.898	84.9	0.359	0.791	20.250

The first breccia below the dike shows up in this hole with a 13.87 gram assay. The second breccia was not seen in this hole because it was drilled much flatter then holes 7 and 8. The lower interval is also brecciated but with no dike association and was 1.5 meters of semi massive sulphide.

Hole DW19-10 was drilled to test below sub-level 4 but further to the southeast from hole DW19-04.

Table 4c: Drill Hole Results for Hole DW19-10

Hole-ID	From	To	Interval	Au_PPM	Ag_PPM	Cu%	Pb%	Zn%
DW19-10	29.00	29.57	0.57	2.785	42.5	0.055	0.713	3.020
DW19-10	88.71	89.61	0.90	3.535	43.2	0.060	1.480	2.860
DW19-10	99.13	99.79	0.66	1.707	33.7	0.031	0.285	0.529

The two breccias below the dikes, seen in holes 7 and 8 are present.

Following a break in the drill program, holes 11 to 13 were drilled to follow up on the results from hole 9. The holes were drilled in a fan where holes 11 and 12 were drilled at a steeper angle to test below hole 9 and hole 13 was drill at flatter angle to test above hole 9. Hole 14 was drilled at a 5° rotation to the north of hole 9 to test the width of the structure.

Table 4d: Drill Hole Results for Hole DW19-11-14

Hole-ID	From	To	Interval	Au_PPM	Ag_PPM	Cu%	Pb%	Zn%
DW19-11	26.82	27.82	1.00	5.601	66.0	0.213	1.700	7.850
DW19-11	95.63	96.27	0.64	4.408	34.5	0.026	0.363	0.757
DW19-11	138.45	138.95	0.50	4.026	66.0	0.166	1.070	6.220
DW19-11	142.24	144.93	2.69	11.346	142.5	0.220	3.197	13.069
DW19-12	22.17	23.47	1.30	2.851	60.8	0.147	1.844	4.946
DW19-12	27.05	27.81	0.76	1.562	30.4	0.104	0.647	2.660
DW19-12	97.49	99.15	1.66	1.546	54.4	0.041	1.060	5.356
DW19-13	27.55	28.15	0.60	8.110	113.0	0.171	4.630	8.270
DW19-13	142.87	143.57	0.70	4.486	66.6	0.068	0.710	1.009
DW19-14	27.43	28.23	0.80	8.924	161.0	0.309	5.120	6.800
DW19-14	98.32	99.86	1.54	7.692	32.8	0.009	0.207	0.111
DW19-14	142.75	144.70	1.95	3.720	43.2	0.103	0.755	9.240
DW19-14	146.88	147.38	0.50	9.403	264.0	0.528	5.210	20.900

All the holes intersected the breccia below the dike at about 27 meters. Holes 11, 13 and 14 appear to intersect a similar structure to that seen in hole 9.

Holes DW19-15 to DW19-19 were drilled to test the extents of the large IP anomaly under the drill pad. Hole 15 was drilled south into the anomaly and Hole 16 was drilled west into the anomaly and intersected a massive sulphide zone. Holes 17 to 19 were drilled in a fan to follow up hole 16. Hole 18 hit a small massive sulphide zone.

Hole 16 hit a massive sulphide interval at 75 to 78 meters. Of the follow up holes, only hole 19 hit a similar zone.

Table 4e: Drill Hole Results for Hole DW19-15 to 19

Hole-ID	From	To	Interval	Au_PPM	Ag_PPM	Cu%	Pb%	Zn%
DW19-15	100.90	102.08	1.18	8.445	869.0	0.034	0.186	1.265
DW19-15	152.09	152.59	0.50	32.230	472.0	0.008	0.134	0.372
DW19-16	45.11	45.81	0.70	11.260	144.0	0.208	6.550	6.010
DW19-16	75.07	78.68	3.61	8.850	88.8	0.221	1.768	19.514
DW19-17		no significant results						
DW19-18	38.79	39.22	0.43	15.300	185.0	2.874	2.870	14.470
DW19-19	34.87	36.04	1.17	3.332	27.9	0.048	0.986	2.580
DW19-19	75.71	77.13	1.42	5.255	225.9	0.159	9.298	3.315

Hole 20 was drilled to test an IP anomaly along the road below the second drill pad. One small breccia was intercepted.

Table 4f: Drill Hole Results for Hole DW19-20

Hole-ID	From	To	Interval	Au_PPM	Ag_PPM	Cu%	Pb%	Zn%
DW19-20	121.01	121.45	0.44	1.669	27.5	0.007	0.034	0.082

7.3 Proposed Drilling

Additional drill testing was planned for IP anomalies near the access road below the Dunwell mine but snow forced the conclusion to the 2019 drill program on Dec. 5.

8.0 SAMPLE PREPARATION, ANALYSES AND SECURITY

All samples from the program were prepared and analyzed by MSA Labs of Langley, BC. Samples were shipped to MSA Labs Terrace, BC prep Lab. The samples were bucked in Terrace and pulps shipped to Langley, BC. for analyses.

Core samples were analyzed by fire assay for gold and a 36 element ICP Aqua Regia digestion. Gold, silver and base metal over limit values were re-run with a gravimetric finish for gold and AA for silver and base metals.

American Creek maintained a QA/QC program for the 2019 drilling. The quality program included the insertion of QA/QC materials in the sample stream. Standards, blanks, field duplicates and crushed reject duplicates were inserted on a 20:1 basis. No standard failures were reported during the 2019 program.

9.0 INTERPRETATION AND CONCLUSIONS

The Dunwell property hosts some eight past producers from the nine Minfile occurrences on the Property with the largest being the Dunwell mine. The proliferation of mineral occurrences on the Property is the result of the Portland Canal Fissure Zone that transects it.

The initial target for the drill program was to follow up on Drilling by Mountain Boy below Level No. 4 in 2010. The secondary target was to look for the down dip extension of the Dunwell below Level No. 4 with a fan of holes (east to north) where the final hole was to look for the north extension of the zone as shown by long north drift on Level 3. The two drill locations were road/trail accessible.

The Alpha IP survey showed some 30 anomalies with the largest being the Dunwell mine itself and road access on the Property limited which anomalies can be readily tested.

The 2019 drill program could not duplicate results from Mountain Boy and the program showed that the Dunwell main zone mostly ends above Level No. 4. The holes drilled to test for the northern extension of the Dunwell zone returned sulphide intercepts, however follow up drilling from surface may not be possible because of extreme terrane conditions in that area of the Property.

The geophysical program provided various, potentially semi-massive sulphide, targets, which included targets north along the fissure zone but also several targets south along the zone from the Dunwell mine.

10.0 RECOMMENDATIONS

It is recommended that further work be conducted on the property. The recommended work program would include the following:

1) Drill geophysical anomalies:

- test first priority IP targets on lines L700 and L800
- test first priority IP target on line L100 with platform along the access road.

These southern targets could be drilled from the access road or just off of it and offer the potential for the discovery of new mineralization.

2) Detailed surface geological mapping of the property in an effort to establish the relationship between the previously mined Dunwell veins and the other numerous high grade mineral occurrences on the property.

3) Detailed underground geological mapping and sampling.

4) Additional geophysics aimed at locating fissure type semi-massive sulphide ore bodies.

5) Trench sampling of known vein systems.

6) Extensive additional prospecting in an effort to locate new high grade vein systems on the property.

11.0 STATEMENT OF QUALIFICATIONS

I, James Albert McCrea, am a professional geologist residing at 306 - 10743 139 Street, Surrey, British Columbia, Canada do hereby certify that:

- I am the author of the 'Assessment Report on the Dunwell Property, Skeena Mining Division, British Columbia, Canada', dated June 30, 2020;
- I am a Registered Professional Geoscientist (P. Geo.), Practising, with the Association of Professional Engineers and Geoscientists of British Columbia, (Licence # 21450). I graduated from the University of Alberta, Canada, with a B. Sc. in Geology in 1988.
- I have worked as a geoscientist in the minerals industry for over 25 years and have been estimating mineral resources for over 20 years. I have been directly involved in the mining, exploration, resource estimation and evaluation of mineral properties, mainly, in Canada, the United States, Mexico, Peru, Argentina, Bolivia and Colombia for gold, silver, copper, molybdenum and base metals;
- I first visited the Dunwell property and area on October 2nd 2017 and again in August of 2018, then from July to December of 2019.
- I had no prior involvement with the Property before I visited it in 2017;
- I am responsible for all sections of 'Assessment Report on the Dunwell Property, Skeena Mining Division, British Columbia, Canada', dated June 30, 2020;
- I was retained by American Creek Resources Ltd. to prepare an Assessment Report on the Dunwell Property, Skeena Mining Division British Columbia, Canada, in accordance with BC government guidelines. The purpose is to document the 2019 drilling and geophysical program on the property and is based on my review of project files, information provided by American Creek Resources Ltd. personnel and the program results in 2019;
- As of the date of this certificate, to the best of my knowledge, information and belief, the assessment report contains all scientific and technical information that is required to be disclosed to make the technical report not misleading.

Effective Date: June 30, 2020

Signed By James A. McCrea

James McCrea

James A. McCrea, B. Sc., P. Geo.

Dated this 30th day of June, 2020

12.0 STATEMENT OF EXPENDITURES

Dunwell Property - 2019

Personnel	Description	Period	
James McCrea	Project Geologist	4.5 Months	63,977.06
Darren Blaney	Consultant	July27-Aug 1, 2019 $600.00/day	$3,600.00
Kelvin Burton	Consultant	July18-21, 2019 $400.00/day	$1,200.00
V. Kocinski	Core Splitter	4 Months	25,015.00
Total			$93,792.06
Equipment Rental			
Truck Rental	Truck	4.5 months	$2,909.03
Saw Rental	Core Saw	month	$250.00
Excavator and operator	DJ & J Ent.	hourly over 4 months, $95/hr	$4,585.88
Total			$7,744.91
Expenses:			
Assay Laboratory Fees			$30,221.15
Yellowhead Helicopters		season	$8,276.63
Morecore Diamond Drilling Services Ltd.	Drilling Services	4.5 months	$580,957.06
Morecore Diamond Drilling Services Ltd.	2 men 8hrs to repair bridge	1 day	$960.00
Simcoe Geosience	Domain ground IP survey		$107,136.00
CDN Reference Laboritories	Standards		$523.76
Cassiar Geosience	Northern Goshawk Survey and Wildlife management plan Sept1-Dec31/2019	Sept1-Dec31/2019	$6,490.03
Reflex Camera	Down hole survey tool	3 months	$7,636.03
Saw Blades and hardware		season	$910.01
Flights and expenses		season	$3,256.43
Crew Hotel		1 night	$139.32
Misc Food			$166.00
Fuel		season	$13,845.01
Total			**$862,054.40**

13.0 REFERENCES

Alldrick, D. J., 1993: Geology and Metallogeny of the Stewart Mining Camp, Northwestern British Columbia; British Columbia Geological Survey Bulletin 85.

BCDM Minister of Mines Annual reports for 1909.

BC Ministry of Mines and Petroleum Resources: ARIS Report 16622

Grove, E.W. (1971): Geology and Mineral Deposits of the Stewart Area, British Columbia, BCDM Bulletin 58.

Geoscience BC: https://gis.geosciencebc.com/esv/?viewer=esv

Lewis, P.D., 2013, Iskut River Area Geology; Geological Legend; Geoscience BC Report 2013-05.

Randell, A, Hoiles, H., 2019: ASSESSMENT REPORT: PROSPERITY - PORTER IDAHO SILVER PROPERTY, DRILL PROGRAM, Prepared for Strike Point Gold Inc., 1048pp.

Wikipedia: https://en.wikipedia.org/wiki/Stewart,_British_Columbia

APPENDIX I

Diamond Drill Logs

AMERICAN CREEK RESOURCES LTD.

2019 Dunwell Diamond Drill Logs

DDH # DW19-01	Core Size: NQ2	Logged by: Jim McCrea
Azimuth: 47°	Start:	Total depth: 252.07 m
Dip: -59°	Completion:	Co-ordinate: 442292, 6205916

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 373	Dip (degrees)									

METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag g/t	Cu %	Pb %	Zn %
				18601	69.57	70.37	0.80	1.18	1.30	0.006	0.003	0.004
0.00	0.61	**Casing**		18602	71.91	72.92	1.01	0.009	0.4	0.005	0.001	0.004
				18603	72.92	74.33	1.41	0.008	0.4	0.003	0.001	0.004
0.61	9.45	**Argillite**	Black f.g. argillite (mudstone), variable weak alteration/coloration; qtz/carb veinlets 0.1 to 3 cm variable, 3 - 10 % of the interval @ 60-90deg C.A.	18604	92.57	93.57	1.00	<0.005	0.4	0.003	0.001	0.002
				18605	93.57	94.57	1.00	<0.005	0.4	0.006	0.001	0.003
9.45	25.59	**Siltstone Mudstone**	Dk grey, silicious, f.g. With bedding @~70 deg C.A., 14.8-24.14, sil; areas with more organics (black) minor qtz carb vnlts, (frac) -tr f g py to 0.5%;	18606	94.57	95.75	1.18	0.008	0.6	0.007	0.001	0.004
			24.14-24.34- vein/shear, tr py, qtz/carb vns @ ~50° CA.	18951	96.36	97.76	1.40	0.006	0.6	0.004	0.001	0.004
			24.34-24.80 - minor mudstone w/ veins/frac.	18607	106.73	108.23	1.50	0.035	0.8	0.004	0.003	0.011
			24.80-24.95 - qtz carb vn @ ~ 50° CA.	18608	108.23	109.38	1.15	0.02	0.5	0.006	0.001	0.003
			24.95-25.52 - mudstone (arg) silicified w/ vnlts and ser.	18609	117.96	119.77	1.81	<0.005	0.4	0.007	0.002	0.003
			25.52-25.59 - qtz-carb vein@ 60° CA, tr py.	18610	120.16	121.01	0.85	0.005	0.8	0.016	0.002	0.005
				18611	134.72	135.70	0.98	0.032	0.6	0.010	0.002	0.005
25.59	61.91	**Argillite**	Arg (mudstone), as above, slightly altered, sil, display hornfels coloration (brown-redish brown with v. f.g. Bio) with some veining and graphitic areas.	18612			Dup	0.027	0.7	0.008	0.001	0.006
			28.71 - 6 cm vein @ 80° CA, @ 45.71 - vn @ 70° CA.	18613			BLK	<0.005	0.4	0.000	<0.001	<0.001
			53.37-53.83 cal vns, few sulphides	18614	154.36	155.29	0.93	0.186	6.9	0.016	0.048	0.664
			Lower contact silicified w/ chl and carb.	18615	159.60	160.50	0.90	0.007	1	0.006	0.002	0.009
				18616	166.81	168.31	1.50	0.016	2.8	0.008	0.002	0.005
61.91	63.44	**Andesite Dike**	Dk gy, m.g. Andesite dike with hornblende and biotite phenos, tr py, slightly chloritic w/ cal vnlts (40-60° CA)	18617	168.31	169.81	1.50	0.013	1.6	0.009	0.005	0.015
				18618	169.81	171.31	1.50	0.011	0.8	0.008	0.002	0.005
63.44	74.33	**Argillite**	Arg (mudstone), as above, upper contact w/ dike is silicified	18619	171.31	172.82	1.51	0.009	0.5	0.007	0.002	0.007
			64.80-64.98 - shear w/ py ~ 3%	18620			STD 3T	3.199	12	0.008	0.039	0.078

DDH # DW19-01												
			68.71-69.11 - vein - qtz w/ tr cal, tr py	18621	172.82	174.32	1.50	0.011	0.7	0.009	0.002	0.006
			69.57-69.93 - vn - qtz, ser, tr py, chl, @ 40° CA	18622	174.32	175.82	1.50	0.008	0.8	0.008	0.002	0.006
			71.91-72.13 - vn - qtz, ser, tr py	18623	175.82	177.32	1.50	0.009	0.8	0.007	0.004	0.015
				18624	177.32	178.32	1.00	0.007	0.7	0.008	0.003	0.008
				18625	178.32	179.32	1.00	<0.005	0.6	0.006	0.002	0.005
74.33	95.75	**Argillite**	Arg, con't, various small qtz-carb veins, some with chl, on vein contacts (83.96).	18626	179.32	180.32	1.00	<0.005	0.6	0.005	0.002	0.004
			84.20 - qtz-carb vn, 5 cm.	18627	180.32	181.32	1.00	<0.005	0.4	0.005	0.001	0.004
			92.81-93.57 - qtz vn w/ py, sph and Po	18628	181.32	182.32	1.00	<0.005	0.5	0.005	0.002	0.009
95.75	96.34	**Dacite Dike**	Fine grained green, dike with chloritized ferromag phenos, chl, bio.	18629	182.32	183.32	1.00	<0.005	0.6	0.005	0.001	0.004
				18630	183.32	184.32	1.00	<0.005	0.5	0.005	0.001	0.003
96.34	98.90	**Argillite**	Arg, as above, upper contact silicified (colored) w/ veins - grading into black arg (mudstone), frac.	18631	184.32	185.32	1.00	<0.005	0.6	0.008	0.002	0.004
			97.60-97.76 - cal vein w/ tr sulphides	18632			LD	<0.005	0.5	0.008	0.001	0.004
				18633			BLK	<0.005	0.3	0.000	<0.001	<0.001
98.90	206.09	**Argillite**	Arg (mudstone), as above, blk to brown w/ hornfels coloring, with qtz or qzt-carb vnlts and few sulphides.	18634	185.32	186.32	1.00	<0.005	0.5	0.004	0.002	0.005
			104.36-109.41 - zone of qtz carb vnlts, little sulphides	18635	186.32	187.21	0.89	<0.005	0.9	0.004	0.016	0.053
			106.78-109.38 - sampled zone of sil w/ sph (tr-0.5%) and v.f.g. py.	18636	187.21	188.10	0.89	<0.005	0.4	0.004	0.002	0.005
			109.41-109.51 - bleaching, sil	18637	188.10	188.80	0.70	0.077	0.9	0.008	0.005	0.015
			134.72-135.70 - sil arg/MS w/ py, Po, tr sph.	18638	188.80	189.52	0.72	0.012	1	0.009	0.007	0.015
			139.04-139.14 - 10 cm cal vn.	18639	189.52	190.22	0.70	0.007	0.7	0.005	0.004	0.005
			138.12-138.26 - sil, tr py.	18640			STD 4F	4.107	19.7	0.034	0.022	0.013
			147.46-147.55 - sil.	18641	190.22	190.91	0.69	0.009	1.1	0.008	0.008	0.009
			148.50-148.72 - sil/veining.	18642	190.91	191.61	0.70	0.01	1.1	0.009	0.011	0.012
			152.63-156.03 - zone of brecciation with carb matrix, 0.5% py	18643	191.61	192.02	0.41	0.016	0.9	0.009	0.003	0.007
			157.28-157.53 - fault	18644	192.02	193.02	1.00	<0.005	0.6	0.007	0.003	0.006
			159.40-166.81 - zone of carb vnlts and frac fill, py on frac faces but little sulphides.	18645	193.02	194.02	1.00	0.005	0.8	0.008	0.002	0.007
			166.81-181.04 - zone with shearing, qtz-carb vns, py, c.g. anhydral py on frac surfaces and in vnlts w/ qtz, sph, py, Po in frac w/ qtz and sph (tr to 0.5% locally, f.g.), 175.82-178.32 - small zones of sil w/ Po.	18646	194.02	195.02	1.00	<0.005	0.6	0.006	0.002	0.007
			181.04-206.09 - zone of shearing w/ sil, qtz-cal vnlts, py, Po, sph. Po locally 1-2% w/ tr sph and qtz.	18647	195.02	196.02	1.00	0.006	1	0.010	0.003	0.014
			188.10-189.52 - zone of sil - intense, w/ Po in globs,tr sph.	18648	196.02	197.02	1.00	0.008	0.8	0.011	0.002	0.007
			189.52-192.02 - zone of breccias and shearing, sil, py, Po, w/ qtz flooding.	18649	197.02	198.02	1.00	0.01	1	0.010	0.002	0.013
				18650	198.02	199.02	1.00	0.008	0.9	0.010	0.001	0.009

DDH # DW19-01													
			192.02-206.09 - interval of shearing/frac. With qtz, py in the frac, sil	18651	199.02	200.02	1.00	0.006	0.9	0.009	0.002	0.010
206.09	206.28	**Dacite Dike**	fine grained green, dike w/ frac.	18652			Dup	0.007	0.8	0.008	0.002	0.010
				18653	200.02	201.02	1.00	0.01	0.8	0.009	0.002	0.007
206.28	208.41	**Argillite**	Arg, mudstorn, variabley altered, hornfels (?) not magnetitic, no py.	18654	201.02	202.02	1.00	0.007	0.9	0.009	0.003	0.008
				18655	202.02	203.02	1.00	0.026	1.3	0.009	0.007	0.020
208.41	209.09	**Dacite Dike**	Dike, as above	18656	203.02	204.02	1.00	0.006	0.9	0.009	0.004	0.030
				18657	204.02	205.02	1.00	<0.005	1.3	0.008	0.010	0.048
209.09	252.07	**Argillite**	Interval of argillite/mudstone, locally sil w/ py, sph (tr-0.5%) qzt and cal stringers, frac fill, sil zones and veins with blobs and stringers of py	18658	205.02	206.09	1.07	0.059	1.6	0.003	0.029	0.216
				18659	206.09	207.28	1.19	0.009	1.9	0.011	0.023	0.045
				18660			STD 3T	2.993	12.7	0.008	0.040	0.080
				18661	207.28	208.41	1.13	0.005	1.6	0.003	0.019	0.071
				18662	208.41	209.09	0.68	<0.005	0.4	0.001	0.004	0.023
				18663	209.09	210.09	1.00	0.016	1.8	0.011	0.007	0.052
				18664			BLK	<0.005	0.4	0.000	<0.001	<0.001
				18665	210.09	211.00	0.91	0.018	2.1	0.011	0.010	0.090
				18666	211.00	212.00	1.00	0.026	1.2	0.010	0.002	0.013
				18667	212.00	213.00	1.00	0.019	1.2	0.009	0.002	0.014
				18668	213.00	214.00	1.00	0.03	1.3	0.010	0.003	0.014
				18669	214.00	215.00	1.00	0.05	0.8	0.008	0.003	0.012
				18670	215.00	216.00	1.00	0.024	1.2	0.011	0.002	0.015
				18671	216.00	217.00	1.00	0.032	1.3	0.009	0.004	0.044
				18672			LD	0.029	1.2	0.009	0.003	0.031
				18673	217.00	218.00	1.00	0.057	1.1	0.010	0.004	0.017
				18674	218.00	219.00	1.00	0.031	1.5	0.011	0.002	0.008
				18675	219.00	220.00	1.00	0.026	1.4	0.011	0.005	0.014
				18676	220.00	221.00	1.00	0.021	1.9	0.009	0.007	0.025
				18677	221.00	222.00	1.00	0.019	1.6	0.009	0.003	0.012
				18678	222.00	223.00	1.00	0.02	1.6	0.010	0.004	0.022
				18679	223.00	224.00	1.00	0.06	1.7	0.009	0.004	0.018
				18680			STD 4F	4.058	19.6	0.034	0.022	0.013
				18681	224.00	225.00	1.00	0.075	1.8	0.010	0.005	0.032
				18682	225.00	226.00	1.00	0.017	1.8	0.013	0.002	0.006
				18683	226.00	227.00	1.00	0.016	1.4	0.009	0.002	0.007
				18684			BLK	<0.005	0.3	0.000	<0.001	<0.001
				18685	227.00	228.00	1.00	0.025	1.9	0.010	0.006	0.035
				18686	228.00	229.00	1.00	0.015	1.6	0.007	0.006	0.041

AMERICAN CREEK RESOURCES LTD.

DDH # DW19-01												
				18687	229.00	230.00	1.00	0.012	2.1	0.010	0.012	0.071
				18688	230.00	231.00	1.00	0.028	1.3	0.009	0.002	0.016
				18689	231.00	232.00	1.00	0.018	1.4	0.008	0.002	0.009
				18690	232.00	233.00	1.00	0.027	1.6	0.008	0.004	0.039
				18691	233.00	234.00	1.00	0.028	1.9	0.008	0.003	0.032
				18692			Dup	0.029	2	0.008	0.003	0.040
				18693	234.00	235.00	1.00	0.027	2.5	0.010	0.011	0.052
				18694	235.00	236.00	1.00	0.027	2.1	0.009	0.008	0.032
				18695	236.00	237.00	1.00	0.03	1.8	0.009	0.004	0.019
				18696	237.00	238.00	1.00	0.019	1.3	0.009	0.001	0.006
				18697	238.00	239.00	1.00	0.036	1.4	0.011	0.002	0.008
				18698	239.00	240.00	1.00	0.226	1.5	0.011	0.002	0.005
				18699	240.00	241.00	1.00	0.026	1.1	0.009	0.002	0.006
				18700			STD 3T	3.033	11.7	0.008	0.040	0.079
				18701	241.00	242.00	1.00	0.039	1.1	0.011	0.002	0.011
				18702	242.00	243.00	1.00	0.084	1.5	0.013	0.003	0.015
				18703	243.00	244.00	1.00	0.052	1.5	0.012	0.003	0.013
				18704			BLK	<0.005	0.4	0.001	<0.001	<0.001
				18705	244.00	245.00	1.00	0.082	1.8	0.014	0.003	0.013
				18706	245.00	246.00	1.00	0.019	1.4	0.008	0.003	0.006
				18707	246.00	247.00	1.00	0.018	1.4	0.008	0.003	0.020
				18708	247.00	248.00	1.00	0.031	3.1	0.009	0.015	0.054
				18709	248.00	249.00	1.00	0.022	1.8	0.009	0.005	0.015
				18710	249.00	250.00	1.00	0.021	1.8	0.010	0.003	0.008
				18711	250.00	251.00	1.00	0.021	1.8	0.010	0.004	0.005
				18712			Dup	0.019	1.8	0.010	0.005	0.005
				18713	251.00	252.00	1.00	0.029	3.9	0.010	0.016	0.055
			EOH 252.07 m									

AMERICAN CREEK RESOURCES LTD.

2019 Dunwell Diamond Drill Logs

DDH # DW19-02	Core Size: NQ2	Logged by: Jim McCrea
Azimuth: 55°	Start:	Total depth: 282.55 m
Dip: -55°	Completion:	Co-ordinate________________________

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 373	Dip (degrees)									

METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	0.61	**Casing**		18714	11.83	13.12	1.29	<0.005	0.4	0.005	0.001	0.005
				18715	46.35	46.69	0.34	0.013	1.4	0.003	0.001	0.004
0.61	93.32	**Argillite**	Black f.g. argillite (mudstone) with trace of py. The mudstone is variably altered with areas of frac, vnlts, (qtz and Carb) @ 45° CA, sil and coloration (horfels ± bio, ± plag)	18716	49.31	50.3	0.99	0.018	4	0.012	0.004	0.006
			10.60-15.60 - zone of colorization (horn)/sil, tr-0.5% po, py, sph 0.5% locally in qtz vns	18717	53.85	54.85	1.00	0.014	0.8	0.003	0.001	0.004
			17.83-18.18 - area of sil/bleaching w/ tr sph	18718	54.85	55.85	1.00	0.011	0.7	0.002	0.001	0.004
			21.25-21.82 - carb vn/filled frac w/ minor bx vein @ 10-15° CA	18719	55.85	56.73	0.88	0.29	25.3	0.002	0.004	0.004
			24.08-25.09 - area of sil/carb w/ cal vn @ low angle CA. No sulphides	18720			STD 4	4.101	20.8	0.035	0.021	0.014
			25.16-26.75 - area of sil with carb vning, tr py	18721	58.16	59.16	1.00	0.036	1.5	0.002	0.001	0.003
			30.43-38.37 - area of sil,vning, horn; 34.45-34.49 - 4 cm vn, 5% chl, tr sph; 34.66-34.96 - sil zone w/ blobs of py (2cm)	18722	59.16	60.16	1.00	0.468	1.5	0.001	0.002	0.004
			39.81-39.95 - vein, tr of po, sph, py, carb, tr chl	18723	60.16	61.16	1.00	0.006	<0.2	0.001	0.001	0.005
			40.51-41.53 - vn, as above, no sulph	18724			BLK	<0.005	0.4	0.000	<0.001	0.000
			41.94-41.96 - vn, qtx/carb, as above	18725	61.16	62.16	1.00	0.013	0.2	0.002	0.001	0.004
			44.90-45.12 - bx w/ carb mtx	18726	62.16	63.16	1.00	<0.005	<0.2	0.001	0.001	0.004
			45.37-50.92 - zone of sil/frac, carb vns	18727	63.16	64.16	1.00	<0.005	<0.2	0.001	0.001	0.003
			46.35-43.92 - more intense sil, py, po, tr sph	18728	64.16	65.16	1.00	<0.005	<0.2	0.001	0.001	0.003
			49.31-50.30 - sil/po vning,vpt,vtrvsph	18729	65.16	66.16	1.00	<0.005	0.4	0.001	0.001	0.003
			56.06-56.20 - qtz vn w/ bx	18730	66.16	67.16	1.00	0.005	<0.2	0.001	0.001	0.003
			51.38-53.85 - area of deformation/ carb vning	18731	67.16	68.16	1.00	0.025	<0.2	0.001	0.001	0.002
			53.85-56.86 - vning and sil w/ tr-0.5% sph locally associated with qtz vnlets, filled frac @ 50-70° CA	18732			Dup	0.013	0.3	0.002	0.001	0.002
			56.73-58.16 - interval of greenish, w alt, arg w/ carb vnlts an no to tr py	18733	68.16	69.16	1.00	<0.005	0.2	0.002	0.001	0.003

DDH # DW19-02												
			56.18-92.32 - areas of sil/vning @ 35-70° CA w/ qtz, tr py, tr chl, tr-0.5% sph (locally) in vns, f.g. Po, also in areas of sil w/ sph tr - 1% locally	18734	69.16	70.16	1.00	<0.005	<0.2	0.001	0.001	0.003
92.32	93.01	**Dacite Dike**	Light green f.g. Dike with plag phenos, ferromag minerals altered to chlorite 2-5 mm (hornblende)	18735	70.16	71.16	1.00	<0.005	<0.2	0.002	0.001	0.002
				18736	71.16	72.16	1.00	0.008	0.3	0.016	0.001	0.016
93.01	192.49	**Argillite**	Arg/MS, as above, upper contact faulted or sheared, sil areas in the interval w/ po, sph and py (vn assoication), mag areas with iron sulphide po,vnlts of qtz-carb @ 70-80° CA	18737	72.16	73.16	1.00	0.092	10	0.361	0.001	0.020
			93.01-99.18 - w alt ms, as above, with few vns and areas of oxides, po	18738	73.16	74.16	1.00	0.007	0.3	0.011	0.001	0.006
			99.18-101.18 - zone of intense sil w/ po in areas, sph, gal, bio, tr py, fe ox, tr cpy	18739	74.16	75.16	1.00	<0.005	0.2	0.004	0.002	0.008
			101.18-128.32 - hornfels arg w/ areas of f.g. Po and sil - less intense then above, minor qtz veining. 108.18-108.32 - qtzw/ bx, c. Sph, ~80° CA. 120.57-124.05 - area w/ intense sil alt, po, sph, tr cpy. 124.21-124.42 - carb vn w/ bx, bands of c. py, tr sph, bio, po. 124.42-128.32 - area of sil w/ sph, tr po, bio	18740			STD 3	3.095	11.9	0.009	0.039	0.086
			128.32-128.44 - crab vn, w/ bx; flt	18741	75.16	76.1	0.94	0.028	9.3	0.011	0.030	0.048
			128.79-129.16 - large carb vn @ 70° Ca, little sulpides	18742	76.1	77.1	1.00	0.027	1.7	0.017	0.003	0.010
			129.16-130.20 -carb vnmaterial/bx, all broken	18743	77.1	78.1	1.00	0.02	0.8	0.009	0.002	0.013
			130.20-130.97 - arg w/ qtz-carb vning, py, bx w/ frac fill	18744			BLK	<0.005	0.6	0.000	<0.001	<0.001
			130.97-131.70 - sil zone, vn w/ largeband of anhdral py, 5-8 cm, f.g. sph, 1 bleb 6x8 cm, areas w/ sil, py, sph in vnlts, 0.5-1 cm in blebs, 2mm to 1 cm, bands/vns of py, sp	18745	78.1	79.1	1.00	0.095	1.3	0.006	0.003	0.007
			131.70-132.95 - interval w/ bands of sil, py vnlts in arg fracat bedding ~5-10 cm	18746	79.1	80.1	1.00	0.028	1	0.007	0.005	0.009
			132.95-139.34 - as above but with less sil in total segment, sections slightly horn w/ py and carb vnlts; 135.31-136.20 more intense frac/bx w/ tr copy, tr sph, tr py	18747	80.1	81.1	1.00	<0.005	0.2	0.006	0.001	0.004
			139.34-142.44 - zone f intense frac, bx, w/ py, cal, graphitic arg, includes 139.86-141.95 - br zone w/ tr py, cal vnlts, in graph arg	18748	81.1	82.1	1.00	0.009	0.4	0.007	0.001	0.005
			142.44-178.31 - arg w/ carb vnlts, 3-5 mm, @ 40-70° CA, area w/ shearing and py vnlts, major vns w/ po, py ± sph, tr cpy. 146.11-157.58 - area of alt, sil, po in vnlts. 15758-158.98 - area of horn, py, po, and tr sph. 158.98-170.98 - zone of shearing w/ po - qtz vnlts, tr sph, localized sil.170.98-172.12 - sil zone w/ 1-2% sph, qqtz, py. 172.12-172.82 bx. 172.82-178.31 - sil zone (con't) w/ po and tr sph, in dk arg, sharp lower contact	18749	82.1	83.1	1.00	0.012	0.3	0.005	0.001	0.005
			178.31-180.80 - bx interval, upper and lower contact w/ carb vns, small areas of sil in the interval w/ po, tr py, no sph, mostly carb vns, carb mtx in the bx, qtz-carb vnlts. 9 cm lower bx contact margin - vein	18750	83.1	84.1	1.00	0.033	0.9	0.007	0.001	0.006

AMERICAN CREEK RESOURCES LTD.

DDH # DW19-02												
			180.80-188.18 - sil upper contact to the bx in bedded arg w/ small zones of sil w/ po, tr py, no sph. 180.89-180.96 - vn/sil. 182.26-182.92 - sil, po, py. 184.86-184.96 - sil, po,py. 186.87-187.35 - sil, po, py	18751	84.1	85.1	1.00	0.006	0.3	0.007	0.001	0.006
			188.18-192.49 arg, sil w/ tr py, po. 188.19-189.02 - sil zone w/ blebs of sph 3x1.5 cm to 1 cm, po, py, ser, semi massive sph, tr gal. Sharp lower contact w/ dike	18752			Lab D	0.005	0.5	0.008	0.001	0.006
				18753	85.1	86.1	1.00	0.006	0.3	0.004	0.001	0.004
192.49	193.71	**Dacite Dike**	Fine granied, lt green, fine frac filled w/ cal, arg inclusions in the dike have c.g. py and sph.	18754	86.1	87.1	1.00	0.008	0.4	0.003	0.001	0.006
				18755	87.1	88.1	1.00	<0.005	0.5	0.007	0.001	0.020
193.71	237.43	**Argillite**	Arg, as above, sil upper contact with dike (193.71-194.14), w/ py and po.	18756	88.1	89.1	1.00	<0.005	0.5	0.008	0.001	0.004
			194.14-195.58 - zone of shearred arg w/ cal filled frac, po, py	18757	89.1	90.1	1.00	0.008	0.8	0.012	0.001	0.004
			195.58-206.50 - arg w/ qtz vns/vnlts and zones of sil @ vnlts @ 195.83 w/ po. 196.84-197.22 - sil w/ py. 197.67-197.70 - sil, po and sph. 197.79-197.98 - sil, po. 199.45-199.88 - sil, po and sph. 200.14-200.96 - sil, po ± sph. 201.49-202.77 - sil, po. 206.19-206.25 - sil, po.	18758	90.1	91.1	1.00	0.01	0.6	0.005	0.002	0.004
			206.50-209.30 - zone of sil w/ v.f.g sulphide -sph, semi massive.	18759	91.1	91.7	0.6	0.027	0.7	0.006	0.001	0.005
			209.30-216.98 - arg, as above, w/ zones of sil w/ po, py, sph in frac.	18760			STD 4	4.034	19.8	0.033	0.021	0.013
			209.30-211.30 - shoulder samples w/ po, py, sph in frac, fine and coarse grained py.	18761	91.7	92.32	0.62	0.073	0.6	0.009	0.002	0.004
			216.98-224.75 - arg, more massive, graphitic, zones of sil/vning, po in vns, sil zone w/ sph, po, py and tr chl. 221.60-224.75 - shearing w/ vnlts w/ cal, sph, po, py, no sph.	18762	93.01	94	0.99	0.037	2.6	0.013	0.032	0.649
			224.75-237.43 - zone of sil and vning in arg, as above, w/ po, local sph, py, horn, cal vns, frac w/ cal and py, areas of horn (brown) contains ffg sph, py and po. Sph in margins of the hornfels/vns	18763	94	95	1.00	0.008	0.4	0.009	0.001	0.008
237.43	238.97	**Dacite Dike**	Dark grey, dike w/ 1-3 mm euhedral plag phenos, qtz vnlts w/ py, po, cal, ser, and tr chl.	18764			BLK	<0.005	0.3	0.000	<0.001	<0.001
				18765	95	96	1.00	<0.005	<0.2	0.006	0.001	0.005
238.97	254.01	**Argillite**	Arg, as above, w/ zones of sil, hornfels and veining: 239.48-239.52 - sil, po, 239.71-240.63 - sil, po, py, sph, 241.52-241.65 - sil, po, 243.14-243.20 - sil, po, 243.66-243.87 - sil, po, py, 245.47-245.69 - sil, po, py, 245.97-246.00 - qtz-carb vn, 246.32-246.76 - bx w/ qtz + cal mtx, 246.76-248.96 - sil, horn, po, py, tr sph, 249.32-251.69 - horn, 252.54-254.01 - sil, po, py + sph. Lower contact sil area w/ vn 15 cm from contact, sil, sph, py ±po.	18766	96	97	1.00	<0.005	0.3	0.009	0.001	0.005
				18767	97	98	1.00	0.008	<0.2	0.010	0.001	0.007
254.01	256.10	**Dacite Dike**	Med to coarse grained dacite, m green, 30-35% plag phenos with zoned edges, 6-8% mafics (horne), unit has little fracturing, green schist facies regional alt. Upper contact sharp @ 70° CA and lower contact @ 20° CA	18768	98	99.18	1.18	0.011	0.4	0.007	0.002	0.006

DDH # DW19-02												
			254.27-254.37 - cal vn w/ dike bx frags, cal mtx, area aroind the vn bx is bleached (cal)	18769	99.18	100.2	1.00	0.021	0.3	0.004	0.001	0.004
				18770	100.2	101.2	1.00	0.392	1.1	0.010	0.002	0.008
256.10	282.55	**Argillite**	Arg, bedded, as above, w/ zones of sil, horn and vning.	18771	101.2	102.2	1.00	0.008	0.8	0.010	0.008	0.009
			237.50-257.70 -sil, tr sph.	18772			Dup	0.007	0.9	0.011	0.004	0.007
			257.70-258.10 - vn, qtz, cal, chl.	18773	102.2	103.2	1.00	0.007	0.5	0.010	0.001	0.003
			259.38-259.80 - sil, po, py tr sph.	18774	103.2	104.2	1.00	0.013	0.6	0.011	0.001	0.003
			261.78-261.89 - frac/vn w/ c.g. py, sph	18775	104.2	105.2	1.00	0.014	1.5	0.010	0.010	0.009
			262.50-263.10 - zone of vnlts	18776	105.2	106.2	1.00	0.02	0.8	0.008	0.003	0.004
			265.12-267.70 - sil w/ py, py + sph	18777	106.2	107.2	1.00	0.034	1.4	0.013	0.005	0.005
			267.80-267.55 - flt w/ bx, cal	18778	107.2	108.2	1.00	0.074	3.2	0.008	0.020	0.134
			268.55-269.25 - sil, po, py	18779	108.2	109.2	1.00	1.23	14.1	0.023	0.244	0.790
			270.45-271.00 - as above w/ sph	18780			STD 3	3.1	13.1	0.008	0.039	0.082
			273.45-274.00 - hornfels	18781	109.2	110.2	1.00	0.162	2.3	0.010	0.010	0.032
			279.60-282.55 -zone of sil, horn w/ py, po + sph	18782	110.2	111.2	1.00	0.008	0.7	0.006	0.001	0.003
				18783	111.2	112.2	1.00	0.012	0.7	0.006	0.001	0.002
				18784			BLK	<0.005	0.4	0.000	<0.001	<0.001
				18785	112.2	113.2	1.00	0.016	0.6	0.009	0.001	0.004
				18786	113.2	114.2	1.00	0.01	0.7	0.008	0.001	0.003
				18787	114.2	115.2	1.00	0.012	0.7	0.006	0.001	0.002
				18788	115.2	116.2	1.00	0.013	0.7	0.009	0.001	0.003
				18789	116.2	117.2	1.00	0.016	0.8	0.009	0.001	0.011
				18790	117.2	118.2	1.00	0.011	0.5	0.006	0.001	0.003
				18791	118.2	119.2	1.00	0.007	0.4	0.004	0.001	0.002
				18792			Lab D	0.008	0.3	0.004	0.001	0.002
				18793	119.2	120.2	1	0.009	0.6	0.007	0.001	0.002
				18794	120.2	120.6	0.39	0.009	0.5	0.003	0.000	0.001
				18795	120.6	121.2	0.61	0.007	0.2	0.003	0.001	0.003
				18796	121.2	122.2	1.00	0.012	0.3	0.004	0.001	0.004
				18797	122.2	123.2	1.00	0.006	0.6	0.006	0.001	0.004
				18798	123.2	124.2	1.00	0.011	0.8	0.006	0.001	0.005
				18799	124.2	125.2	1.00	0.015	0.7	0.005	0.001	0.005
				18800			STD 4	4.144	19.9	0.033	0.021	0.013
				18801	125.2	126.2	1.00	0.013	0.9	0.008	0.002	0.004
				18802	126.2	127.2	1.00	0.011	0.9	0.005	0.006	0.005
				18803	130.9	131.7	0.78	2.611	22.7	0.092	0.419	5.240
				18804			BLK	<0.005	0.4	0.000	<0.001	0.001

AMERICAN CREEK RESOURCES LTD.

DDH # DW19-02												
				18805	131.7	132.9	1.23	0.027	2.9	0.009	0.033	0.119
				18806	135.3	136.2	0.89	0.015	1.8	0.014	0.008	0.023
				18807	136.2	137.2	1.00	0.016	2	0.008	0.036	0.163
				18808	144.7	145.4	0.7	0.015	1.4	0.010	0.020	0.054
				18809	145.4	146.1	0.72	0.012	0.7	0.007	0.002	0.005
				18810	154.7	155.7	0.95	0.02	0.7	0.009	0.001	0.004
				18811	157.6	158.2	0.6	0.01	<0.2	0.005	0.001	0.003
				18812			Dup	0.011	<0.2	0.004	0.000	0.003
				18813	158.2	159	0.8	0.007	<0.2	0.004	0.001	0.003
				18814	159	160	1.00	<0.005	0.3	0.007	0.001	0.003
				18815	160	161	1.00	0.015	0.7	0.006	0.007	0.056
				18816	161	162	1.00	0.007	0.7	0.007	0.006	0.011
				18817	162	163	1.00	0.013	0.7	0.006	0.004	0.017
				18818	163	164	1.00	0.007	0.3	0.006	0.001	0.003
				18819	164	165	1.00	0.008	0.4	0.006	0.002	0.004
				18820			STD 3	3.047	13.4	0.008	0.039	0.086
				18821	165	166	1.00	0.006	0.5	0.007	0.003	0.004
				18822	166	167	1.00	0.005	0.4	0.005	0.003	0.008
				18823	167	168	1.00	<0.005	0.4	0.005	0.002	0.005
				18824			BLK	<0.005	0.3	0.000	<0.001	0.000
				18825	168	169	1.00	0.009	0.8	0.008	0.004	0.014
				18826	169	170	1.00	0.008	0.7	0.008	0.002	0.011
				18827	170	171	1.00	0.005	1	0.009	0.003	0.012
				18828	171	171.6	0.6	0.012	0.8	0.007	0.006	0.013
				18829	171.6	172.1	0.54	0.022	0.8	0.010	0.003	0.013
				18830	172.1	172.8	0.7	0.009	1.1	0.007	0.015	0.054
				18831	172.8	173.8	1.00	0.014	1.1	0.008	0.007	0.042
				18832			Lab D	0.013	1	0.008	0.009	0.051
				18833	173.8	174.8	1.00	0.017	0.8	0.007	0.002	0.019
				18834	174.8	175.8	1.00	0.033	1	0.008	0.003	0.020
				18835	175.8	176.8	1.00	0.014	0.9	0.009	0.002	0.007
				18836	176.8	178.3	1.49	0.009	0.7	0.007	0.002	0.007
				18837	185.5	186.5	1.02	0.008	0.7	0.008	0.003	0.024
				18838	186.5	187.4	0.90	0.008	0.9	0.009	0.002	0.009
				18839	187.4	188.2	0.81	0.02	0.8	0.006	0.002	0.013
				18840			STD 4	3.901	19.2	0.034	0.021	0.014
				18841	188.2	189	0.84	0.009	0.6	0.005	0.003	0.020

AMERICAN CREEK RESOURCES LTD.

DDH # DW19-02													
				18842	189	189.7	0.70	0.025	2	0.010	0.018	0.034
				18843	189.7	190.5	0.80	0.009	2.4	0.008	0.016	0.028
				18844			BLK	<0.005	0.3	0.000	<0.001	<0.001
				18845	190.5	191.4	0.87	0.011	3.4	0.008	0.012	0.141
				18846	191.4	192.5	1.10	<0.005	1.9	0.012	0.019	0.143
				18847	192.5	192.7	0.24	0.02	0.6	0.002	0.003	0.052
				18848	192.7	193.7	0.98	0.184	3.2	0.006	0.120	0.909
				18849	193.7	194.1	0.43	0.063	3.5	0.026	0.026	0.371
				18850	194.1	194.9	0.72	0.007	1.4	0.009	0.010	0.041
				18851	194.9	195.6	0.72	0.007	1.6	0.011	0.007	0.047
				18852			Dup	0.012	1.5	0.011	0.007	0.068
				18853	195.6	196.9	1.27	0.019	1.3	0.008	0.002	0.020
				18854	196.9	197.9	1.00	0.069	1.2	0.010	0.002	0.011
				18855	197.9	198.9	1.00	0.024	1	0.010	0.001	0.011
				18856	198.9	199.9	1.00	0.046	1.2	0.009	0.002	0.007
				18857	199.9	200.9	1.00	0.031	1.4	0.010	0.002	0.010
				18858	200.9	201.9	1.00	0.035	1.6	0.010	0.003	0.029
				18859	201.9	202.9	1.00	0.023	1.4	0.009	0.002	0.022
				18860			STD 3	3.883	20.1	0.033	0.021	0.014
				18861	202.9	203.9	1.00	0.033	2.4	0.009	0.015	0.138
				18862	203.9	204.9	1.00	0.02	1	0.009	0.002	0.010
				18863	204.9	205.9	1.00	0.021	1.2	0.008	0.003	0.011
				18864			BLK	<0.005	0.4	0.000	<0.001	0.000
				18865	205.9	206.9	1.00	0.026	1.5	0.010	0.004	0.032
				18866	206.9	207.9	1.00	0.025	1.5	0.008	0.004	0.081
				18867	207.9	208.6	0.72	0.025	1.3	0.012	0.002	0.011
				18868	208.6	209.3	0.73	0.036	1.2	0.009	0.003	0.007
				18869	209.3	210.3	1.00	0.019	1.1	0.009	0.002	0.049
				18870	210.3	211.3	1.00	0.024	1	0.009	0.002	0.007
				18871	211.3	212.3	1.00	0.103	0.8	0.007	0.002	0.005
				18872			Lab D	0.107	0.8	0.008	0.002	0.006
				18873	212.3	213.3	1.00	0.293	1	0.010	0.003	0.009
				18874	213.3	214.3	1.00	0.179	0.8	0.005	0.002	0.008
				18875	214.3	215.3	1.00	0.115	1.4	0.007	0.003	0.015
				18876	215.3	216.3	1.00	0.065	1.4	0.010	0.007	0.028
				18877	216.3	217	0.68	0.094	1.2	0.008	0.005	0.010
				18878	220.1	221	0.9	0.016	0.7	0.009	0.002	0.008

DDH # DW19-02												
				18879	222.1	223.1	1.00	0.012	1.9	0.009	0.008	0.070
				18880			STD 4	4.111	20	0.034	0.021	0.014
				18881	224.8	225.8	1.00	0.013	1.3	0.009	0.001	0.011
				18882	225.8	226.8	1.00	0.011	1	0.010	0.001	0.005
				18883	226.8	227.8	1.00	0.009	1	0.009	0.001	0.020
				18884			BLK	<0.005	0.4	0.000	<0.001	<0.001
				18885	227.8	228.8	1.02	0.008	0.9	0.009	0.001	0.006
				18886	228.8	229.5	0.68	0.009	0.9	0.011	0.001	0.009
				18887	229.5	230.1	0.65	0.012	0.9	0.012	0.001	0.004
				18888	230.1	230.8	0.70	0.011	0.5	0.006	0.001	0.006
				18889	230.8	231.5	0.70	0.027	1	0.011	0.003	0.021
				18890	231.5	232.2	0.70	0.071	0.9	0.008	0.003	0.018
				18891	232.2	232.9	0.70	0.039	0.9	0.011	0.002	0.012
				18892			Dup	0.049	1.2	0.010	0.002	0.011
				18893	232.9	233.7	0.8	0.007	1.3	0.012	0.001	0.032
				18894	233.7	234.6	0.85	0.027	0.8	0.007	0.002	0.007
				18895	234.6	235.2	0.65	0.011	1.7	0.011	0.002	0.024
				18896	235.2	236.1	0.90	0.011	1.1	0.011	0.002	0.016
				18897	236.1	236.8	0.70	0.04	1.1	0.010	0.002	0.009
				18898	236.8	237.4	0.63	0.02	0.6	0.008	0.001	0.011
				18899	237.4	239	1.54	0.024	0.5	0.005	0.001	0.006
				18900			STD 3	3.077	12	0.008	0.039	0.087
				18953	239	239.7	0.72	0.023	0.8	0.010	0.003	0.011
				18954	239.7	240.7	0.96	0.063	0.7	0.008	0.001	0.011
				18955	240.7	241.7	1.00	0.011	1	0.011	0.001	0.019
				18956	241.7	242.7	1.00	0.008	0.8	0.009	0.001	0.009
				18957	242.7	243.7	1.00	0.04	1.1	0.009	0.001	0.017
				18958	243.7	244.7	1.00	0.014	1.2	0.012	0.002	0.017
				18959	244.7	245.7	1.00	0.006	0.7	0.009	0.001	0.010
				18960			STD 4	3.909	20	0.034	0.022	0.014
				18961	245.7	246.7	1.00	0.008	1	0.011	0.001	0.010
				18962	246.7	247.7	1.00	0.119	1	0.008	0.001	0.009
				18963	247.7	248.7	1.00	0.101	0.8	0.008	0.001	0.008
				18964			BLK	<0.005	0.4	0.000	<0.001	<0.001
				18965	248.7	249.7	1.00	0.008	0.6	0.006	0.001	0.011
				18966	249.7	250.7	1.00	0.011	0.9	0.008	0.001	0.008
				18967	250.7	251.7	1.00	0.011	1	0.008	0.002	0.020

AMERICAN CREEK RESOURCES LTD.

DDH # DW19-02												
				18968	251.7	252.7	1.00	0.013	1.2	0.010	0.001	0.012
				18969	252.7	253.3	0.6	0.015	0.8	0.008	0.002	0.013
				18970	253.3	254	0.76	0.028	1.1	0.009	0.003	0.009
				18971	256.1	257.1	1.00	0.007	0.5	0.006	0.001	0.009
				18972			Lab D	0.008	0.4	0.006	0.001	0.008
				18973	257.1	258.1	1.00	0.031	0.6	0.006	0.002	0.008
				18974	258.1	259.1	1.00	0.008	0.8	0.010	0.002	0.012
				18975	259.1	259.8	0.7	0.012	1.1	0.011	0.001	0.012
				18976	259.8	260.1	1.00	0.007	1.3	0.013	0.001	0.012
				18977	260.1	261.1	1.00	0.009	1.3	0.009	0.001	0.008
				18978	261.1	262.1	1.00	0.01	1.3	0.009	0.001	0.013
				18979	265.1	266.1	1.00	0.007	0.9	0.008	0.001	0.010
				18980			STD 3	3.038	11.2	0.008	0.037	0.079
				18981	266.1	267.1	1.00	0.006	0.9	0.007	0.002	0.011
				18982	267.1	267.7	0.58	0.098	1.4	0.020	0.002	0.008
				18983	269.6	270.6	1.00	0.012	0.6	0.011	0.002	0.014
				18984			0	0.005	0.5	0.000	<0.001	<0.001
				18985	270.6	271.2	BLK	0.007	0.6	0.010	0.001	0.003
				18986	271.2	271.8	1.00	0.008	0.6	0.010	0.000	0.002
				18987	271.8	272.8	1.00	0.008	0.4	0.008	0.000	0.004
				18988	272.8	273.8	1.00	0.01	0.3	0.009	0.001	0.005
				18989	273.8	274.8	1.00	0.008	0.2	0.006	0.001	0.004
				18990	274.8	275.8	1.00	0.008	0.3	0.006	0.001	0.004
				18991	275.8	276.8	1.00	0.012	0.2	0.004	0.001	0.004
				18992			Dup	0.018	0.3	0.004	0.001	0.003
				18993	276.8	277.8	1.00	0.008	<0.2	0.004	0.001	0.003
				18994	277.8	278.8	1.00	<0.005	<0.2	0.003	<0.001	0.003
				18995	278.8	279.8	1.00	0.013	0.3	0.005	0.001	0.004
				18996	279.8	280.5	1.00	0.01	0.5	0.006	0.001	0.012
				18997	280.5	281.1	0.6	0.022	0.4	0.008	0.001	0.004
				18998	281.1	281.7	0.55	0.053	0.6	0.007	0.001	0.004
				18999	281.7	282.1	0.45	0.07	0.5	0.007	0.001	0.007
				19000	282.1	282.6	0.45	0.18	3.7	0.011	0.010	0.059
			EOH 282.55 m									

AMERICAN CREEK RESOURCES LTD.

2019 Dunwell Diamond Drill Logs

DDH # DW19-03	Core Size: NQ2	Logged by: Jim McCrea
Azimuth: 60°	Start:	Total depth: 303.89 m
Dip: -55°	Completion:	Co-ordinate________________________

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 373	Dip (degrees)									

METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	54.99	Agillite	Black f.g. argillite (mudstone), w/ fine frac filled w/ cal	26097	6.47	7.47	1.00	0.007	0.7	0.007	0.001	0.002
			3.30 m - drill through an anchor (BQ)	26098	7.47	8.22	0.75	<0.005	0.7	0.009	0.001	0.003
			3.89-14.00 hornfels - blk arg turns brown + sil w/ po, py and qtz carb vnlts, sil horn in bands w/ associated silification, 6.47-14.06 - zone of intese sil/horn w/ qtz, po, py, and sph, 1 band of sph, f.g., and large xtals, lower prtion of interval, more sil and tr sph.	26099	8.22	8.92	0.70	<0.005	0.7	0.013	0.001	0.006
			14.00-23.64 - interval has little sil and one zone of shearing @ 20.65-21.20	26100			STD 3	3.041	12.5	0.008	0.039	0.082
			23.64-25.78 - intervalw/ sil, tr po, py, ser (sil portions are green) and chl alt.	26101	8.92	9.62	0.70	<0.005	0.5	0.011	0.001	0.005
			28.42-34.67 - zone of sil/horn w/ qtz, ser, po, py, horn more intense in the lower section 31.40-34.67, below that just blk arg.	26102	9.62	10.62	1.00	0.006	0.3	0.004	0.001	0.008
			38.87-54.99- hornfels and sil w/ zones of ser and chl, frac w/ sph and halos w/ fg sph	26103	10.62	11.62	1.00	0.008	0.4	0.004	0.001	0.007
				26104	11.62	12.62	1.00	<0.005	0.4	0.007	0.001	0.004
54.99	56.73	Dacite Dike	fine grained, dk grey colored with lt green tint, chloritized ferromag minerals ~ 15% - green schist facies.	26105	12.62	13.62	1.00	<0.005	0.4	0.009	0.001	0.005
				26106	30.09	31.09	1.00	<0.005	0.9	0.010	0.001	0.003
56.73	91.72	Argillite	Argillite/mudstone, as above,the upper contact is broken vein materal and sil arg, some veining.	26107	31.09	32.09	1.00	0.007	0.4	0.005	0.002	0.004
			57.00-57.50 - 5 cm vein, sil arg w/ po, py, tr sph and chl	26108	32.09	33.09	1.00	<0.005	0.4	0.006	0.001	0.003
			57.50-70.65 - intense sil, unit appears brown/p w/ veining @ 70° CA, w/ chl, po, qtz, and halos of f g sph.	26109	33.09	34.58	1.49	0.209	1	0.005	0.004	0.005
			70.65-74.47 - hornfels w/ sil mottly brown appearance to the unit. Blob of (clasts?) w/ f.g. sph,vns, w/ qtz, ser, py, po, chl ~ 70° CA.	26110	43.81	44.81	1.00	0.006	0.5	0.009	0.001	0.004
			74.47-91.72 - little vning, graphitic (weak) in patches, horn w/ vns, po, py, and sph. 74.56-74.66 - vn, cal + qtz, chl. 74.98-91.48 - horn w/ sil @ 74.98-75.44. 76.04-79.20 - w/ vns @ 76.04-76.14, 77.44-77.61. 78.51-79.15 - replacement (?) band w/ sph. 90.75-91.72 - arg, blk, graph.	26111	44.81	45.41	0.60	0.008	0.6	0.006	0.001	0.003

AMERICAN CREEK RESOURCES LTD.

DDH # DW19-03												
				26112			LD	0.009	0.5	0.006	0.001	0.003
91.72	92.37	**Dacite Dike**	Fine grained, green, ~5% ferromag minerals altered to chl, frac w/ po, contacts @ 90° CA.	26113	45.41	46.41	1.00	0.008	0.9	0.008	0.003	0.005
				26114	46.41	47.41	1.00	0.008	1.8	0.009	0.016	0.010
92.37	182.91	**Argillite**	Arg, as above, locally hornfelsed, sil and vning w/ po, py, cal, chl and ser, vn margins w/ sph.	26115			BLK	<0.005	0.4	0.000	<0.001	<0.001
			93.23-111.79 - hornfels, vning and intense silicification. 93.90-95.09 - strong horn, vnlts w/ po, py and w sph halo. 95.19-95.93 - intense sil, 95.29-95.64 - vn. 96.37-96.62 - strong sil. 98.97-99.89 - s sil, vn 99.56-99.73. 100.19-102.46, 105.44-107.65 - s sil. 109.11-109.24 vns and vlts	26116	47.41	48.41	1.00	0.009	2.1	0.008	0.003	0.008
			114.95-121.67 - horn w/ bands of sil.	26117	48.41	49.41	1.00	0.018	2.7	0.010	0.005	0.007
			121.67-182.91 - blk graphitic arg w/ py stringers and vns (minor vn bx) @ 121.99-122.10, 122.52-122.57, 123.24-123.28, 123.70-123.77.	26118	49.41	50.41	1.00	0.069	6	0.011	0.003	0.009
			123.77-124.55 - shearing, bx, sil	26119	50.41	51.41	1.00	0.071	2.3	0.009	0.001	0.008
			124.55-127.40 - flt-bx, qtz and cal.	26120			STD 4	3.908	20.7	0.034	0.022	0.014
			127.60-129.00 - sil, py, cal vnlts.	26121	51.41	52.41	1.00	0.042	4.8	0.019	0.002	0.007
			130.42-130.89 - sil w/ py qtz vn	26122	52.41	53.40	0.99	0.007	3.1	0.011	0.001	0.005
			131.81-132.05 - sil, cal, py	26123	53.40	53.70	0.30	0.006	2.8	0.013	0.002	0.006
			133.30-137.96 - zone of vning(vnlts) qtz/cal w/ minor bx	26124	53.70	54.39	0.69	0.089	4.2	0.015	0.004	0.010
			137.46-140.00 - fault, v. broken low recovery	26125	54.39	54.99	0.60	0.011	3.3	0.023	0.003	0.010
			140.00-145.66 - arg w/ some vning, mostly cal.	26126	56.73	57.72	0.99	0.006	1.2	0.003	0.001	0.004
			145.66-160.63 - hornfels area, bands of sil around vns, some w/ sph halos @ 145.66-146.12, 147.98-148.32, 148.60-148.85, 152.09-152.30, 153.25-153.49, 155.82-156.56, 157.33-152.85.	26127	57.72	58.50	0.78	0.01	0.3	0.002	0.001	0.004
			Lower portion shows more shearing @ 157.33-157.85 and 159.15-159.80 - sil w halos	26128	58.50	59.25	0.75	0.008	0.5	0.003	0.001	0.004
			160.63-169.33 - zone of shearing and sil w/ py and po. 165.56-169.33 - sil w/ ser, chl, py, po and tr sph.	26129	59.25	60.05	0.80	0.024	0.4	0.003	0.001	0.003
			169.33-182.91 - arg w/ zones of sil, etc. Sil @ 173.42-173.60 (py + t	26130	60.05	61.05	1.00	<0.005	0.3	0.002	0.001	0.003
				26131	61.05	62.05	1.00	0.024	0.7	0.002	0.001	0.005
182.91	184.11	**Dacite Dike**	Grey, aphanitic w/ silicified contacts, contacts @ ~50° CA. Veining w/ qtz, vfg po, ser and py.	26132				0.022	1	0.002	0.002	0.005
				26133	62.05	63.05	Dup	<0.005	0.3	0.002	0.001	0.003
184.11	189.93	**Argillite**	Arg, as above, blk, upper contact is sharp, bedding visable, py inclusions and small bands of sil.	26134	63.05	64.05	1.00	<0.005	0.2	0.001	0.001	0.003
			186.27-186.54 - bx w/ cal mtx	26135			BLK	<0.005	0.3	0.000	<0.001	<0.001
			186.54-187.36 - sil	26136	64.05	65.05	1.00	<0.005	0.2	0.002	0.001	0.002
			187.78-188.93 - sil, vns. 188.28-188.58 - sil, shear (vn?) w/ py, sph. 189.45-189.93 - sil, py in frac.	26137	65.05	66.05	1.00	<0.005	0.7	0.009	0.000	0.003

DDH # DW19-03													
				26138	66.05	67.05	1.00	<0.005	0.2	0.002	0.001	0.003
189.93	190.18	**Dacite Dike**	Grey-green, vfg, w/ fg py, py filled frac similar to the zone around the dike above.	26139	67.05	68.05	1.00	<0.005	<0.2	0.001	0.001	0.002
				26140			STD 3	3.141	11.9	0.008	0.040	0.079
190.18	219.32	**Argillite**	Arg, as above, blk, py filled frac, bx 25 cm below the contact.	26141	68.05	69.05	1.00	<0.005	<0.2	0.001	0.001	0.002
			190.43-190.84 - qtz vn bx, broken.	26142	69.05	69.85	0.80	<0.005	0.3	0.001	0.000	0.002
			190.84-191.61 - healed breccias, grades into arg hornfels	26143	69.85	70.65	0.80	<0.005	0.3	0.002	0.000	0.002
			195.56-214.24 - hornfels w/ zone of sil, replacment? as vein halos w/ sph. 211.57-212.87 - bx w/ zone of sil at the base of the interval, vns w/ po, little py.	26144	70.65	71.40	0.75	<0.005	0.7	0.026	0.001	0.006
				26145	71.40	72.15	0.75	0.016	2.5	0.125	0.001	0.005
219.32	219.55	**Dacite Dike**	Light green-grey, apahitic, fg plag phenos and 1-2% ferromag minerals	26146	72.15	72.75	0.60	0.005	0.6	0.013	0.001	0.004
				26147	72.75	73.47	0.72	<0.005	0.4	0.006	0.001	0.004
219.55	250.68	**Argilite**	Arg, as above, w/ vning and zones of sil w/ po, py.	26148	73.47	74.47	1.00	0.006	0.5	0.006	0.001	0.003
			220.78-222.38 - bx, 220.70-221.03 - intense sil	26149	76.06	77.06	1.00	0.011	1.4	0.010	0.007	0.011
			222.38-250.68 - hornfels w/ sil, po, py and sph in vns and halos. 222.81-223.23 - intense sil. 223.38-223.46 - vn w/ sph, py and po. 226.78-226.96 - sil w/ sph. 227.69-230.31 - strong sil w/ po, chl, vnlts, py, sph. 232.72-233.86 - intense sil w/ po, chl, sph halos. 241.82-241.99 and 242.12-244.07 - sil w/ sph. 244.30-244.61 - sph. 245.27-247.54 - sil w/ py, po and sph.	26150	77.06	78.06	1.00	0.006	0.7	0.005	0.005	0.013
				26151	78.06	79.06	1.00	0.006	0.8	0.006	0.001	0.006
250.68	252.39	**Dacite Dike**	Light green-grey, aphanitic dike, as above.	26152			LD	0.007	0.9	0.006	0.001	0.005
				26153	79.06	80.06	1.00	0.006	0.4	0.006	0.001	0.003
252.39	303.89	**Argillite**	Arg, as above, hornfels with varying intensities, vning w/ sph halos or bands. The sph halos appear to be sheared and recrystlized or remobilized by the dikes.	26154	80.06	81.06	1.00	0.005	0.4	0.008	0.001	0.002
				26155			BLK	<0.005	0.5	0.000	<0.001	0.000
				26156	81.06	82.06	1.00	0.005	0.3	0.010	0.001	0.004
				26157	82.06	82.76	0.70	0.014	0.5	0.006	0.001	0.004
				26158	82.76	83.46	0.70	0.012	0.5	0.006	0.001	0.006
				26159	83.46	84.43	0.97	0.008	0.3	0.003	0.001	0.006
				26160			STD 4	3.894	20.8	0.032	0.023	0.013
				26161	84.43	85.43	1.00	0.166	0.4	0.004	0.001	0.007
				26162	85.43	86.15	0.72	0.008	0.3	0.003	0.001	0.006
				26163	86.15	86.85	0.70	0.007	0.5	0.005	0.001	0.005
				26164	86.85	87.85	1.00	0.006	0.5	0.008	0.001	0.004
				26165	87.85	88.85	1.00	0.008	0.6	0.008	0.001	0.003
				26166	88.85	89.85	1.00	0.011	0.4	0.009	0.001	0.003

AMERICAN CREEK RESOURCES LTD.

DDH # DW19-03												
				26167	89.85	90.85	1.00	0.009	0.6	0.010	0.001	0.003
				26168	93.23	93.93	0.70	0.009	0.5	0.007	0.001	0.003
				26169	93.93	94.63	0.70	0.008	0.6	0.006	0.001	0.003
				26170	94.63	95.23	0.60	0.007	0.5	0.008	0.001	0.004
				26171	95.23	95.93	0.70	0.038	0.5	0.006	0.001	0.003
				26172			Dup	0.025	0.4	0.006	0.001	0.003
				26173	95.93	96.62	0.69	0.009	0.3	0.014	0.001	0.004
				26174	96.62	97.37	0.75	0.01	0.2	0.009	0.001	0.003
				26175			BLK	<0.005	0.3	0.000	<0.001	0.000
				26176	97.37	98.26	0.89	<0.005	<0.2	0.007	0.001	0.003
				26177	98.26	98.96	0.70	<0.005	<0.2	0.005	0.001	0.003
				26178	98.96	99.96	1.00	<0.005	0.4	0.003	0.000	0.002
				26179	99.96	100.96	1.00	<0.005	0.8	0.010	0.002	0.005
				26180			STD 3	2.948	14.4	0.008	0.038	0.079
				26181	100.96	101.96	1.00	0.046	1.9	0.010	0.002	0.007
				26182	101.96	102.96	1.00	0.014	1	0.012	0.003	0.007
				26183	102.96	103.96	1.00	<0.005	2	0.010	0.017	0.021
				26184	103.96	104.96	1.00	<0.005	1.3	0.010	0.003	0.005
				26185	104.96	105.96	1.00	0.011	1.3	0.009	0.024	0.055
				26186	105.96	106.96	1.00	0.01	0.8	0.008	0.002	0.005
				26187	106.96	107.96	1.00	0.005	0.6	0.007	0.002	0.004
				26188	107.96	108.96	1.00	<0.005	0.3	0.006	0.001	0.002
				26189	108.96	109.96	1.00	<0.005	0.6	0.007	0.001	0.002
				26190	109.96	110.96	1.00	0.005	0.5	0.014	0.001	0.002
				26191	110.96	111.79	0.83	0.01	0.8	0.010	0.001	0.003
				26192			Lab Du	0.013	0.8	0.011	0.001	0.003
				26193	114.95	115.95	1.00	<0.005	0.5	0.007	0.001	0.003
				26194	115.95	116.95	1.00	<0.005	0.3	0.007	0.001	0.003
				26195			BLK	<0.005	0.3	0.000	<0.001	<0.001
				26196	116.95	117.96	1.01	0.009	0.6	0.007	0.001	0.002
				26197	117.96	118.96	1.00	0.156	0.7	0.008	0.001	0.003
				26198	118.96	119.96	1.00	0.006	1.3	0.009	0.009	0.019
				26199	119.96	120.96	1.00	0.005	0.6	0.007	0.002	0.005
				26200	120.96	121.67	0.71	<0.005	1.1	0.009	0.001	0.004
				26201			STD 4	3.956	18.7	0.034	0.021	0.013
				26202	145.66	146.46	0.80	0.005	0.8	0.005	0.004	0.010
				26203	146.46	147.46	1.00	<0.005	0.5	0.006	0.001	0.002
				26204	147.46	148.37	0.91	0.005	0.4	0.005	0.002	0.004
				26205	148.37	148.90	0.53	<0.005	0.2	0.004	0.001	0.004

AMERICAN CREEK RESOURCES LTD.

DDH # DW19-03													
				26206	148.90	149.90	1.00	<0.005	0.2	0.009	0.001	0.006
				26207	149.90	150.90	1.00	0.008	<0.2	0.009	0.001	0.003
				26208	150.90	151.90	1.00	0.009	0.5	0.006	0.001	0.003
				26209	151.90	152.90	1.00	<0.005	0.2	0.004	0.001	0.003
				26210	152.90	153.90	1.00	<0.005	0.6	0.004	0.001	0.003
				26211	153.90	154.90	1.00	<0.005	0.4	0.003	0.005	0.006
				26212			Dup	<0.005	0.5	0.003	0.007	0.011
				26213	154.90	155.80	0.90	0.013	0.3	0.005	0.001	0.003
				26214	155.80	156.80	1.00	<0.005	<0.2	0.004	0.001	0.003
				26215			BLK	<0.005	0.4	0.000	<0.001	<0.001
				26216	156.80	157.80	1.00	<0.005	0.3	0.005	0.001	0.004
				26217	157.80	158.80	1.00	<0.005	0.7	0.006	0.001	0.005
				26218	158.80	159.80	1.00	0.013	0.6	0.007	0.001	0.007
				26219	165.56	166.26	0.70	0.05	1.2	0.008	0.003	0.335
				26220			STD 3	3.208	12.3	0.008	0.038	0.078
				26221	166.26	167.14	0.88	0.015	1	0.008	0.003	0.018
				26222	167.14	168.14	1.00	0.011	1.2	0.009	0.009	0.037
				26223	168.14	169.33	1.19	0.006	1.1	0.007	0.003	0.016
				26224	173.38	174.84	1.46	0.008	1.4	0.014	0.007	0.027
				26225	174.84	175.41	0.57	0.009	0.6	0.009	0.001	0.013
				26226	175.41	176.41	1.00	0.006	0.7	0.008	0.003	0.010
				26227	176.41	177.41	1.00	<0.005	0.9	0.008	0.006	0.026
				26228	177.41	178.43	1.02	<0.005	0.9	0.008	0.002	0.011
				26229	178.43	179.47	1.04	0.007	1.1	0.008	0.005	0.043
				26230	179.47	180.47	1.00	0.018	1.2	0.007	0.013	0.049
				26231	180.47	181.91	1.44	0.006	1.3	0.008	0.014	0.036
				26232			Lab D	0.011	1.3	0.007	0.013	0.035
				26233	181.91	182.91	1.00	0.011	0.8	0.008	0.005	0.021
				26234	182.91	184.11	1.20	0.012	0.5	0.004	0.002	0.012
				26235			BLK	<0.005	0.3	0.000	<0.001	0.000
				26236	186.27	187.27	1.00	<0.005	1.6	0.010	0.011	0.084
				26237	187.27	188.06	0.79	<0.005	1.9	0.007	0.009	0.042
				26238	188.06	188.60	0.54	8.57	12.4	0.010	0.050	0.169
				26239	188.60	189.93	1.33	0.06	3.3	0.007	0.022	0.089
				26240			STD 4	3.821	19.2	0.034	0.022	0.014
				26241	189.93	190.18	0.25	0.216	6.1	0.007	0.100	0.215
				26242	190.18	190.84	0.66	0.138	7.9	0.011	0.098	0.244
				26243	190.84	191.91	1.07	0.094	7	0.016	0.096	0.422
				26244	191.91	192.56	0.65	<0.005	2.4	0.013	0.036	0.064

DDH # DW19-03												
				26245	192.56	193.56	1.00	<0.005	1.4	0.009	0.010	0.025
				26246	193.56	194.56	1.00	<0.005	1.2	0.012	0.006	0.012
				26247	194.56	195.56	1.00	<0.005	2.4	0.006	0.022	0.100
				26248	195.56	196.56	1.00	0.022	1	0.009	0.002	0.007
				26249	196.56	197.21	0.65	0.02	1.1	0.008	0.002	0.005
				26250	197.21	197.88	0.67	0.033	1.5	0.011	0.003	0.011
				26251	197.88	198.36	0.48	0.038	1.6	0.013	0.002	0.019
				26252			Lab D	0.032	1.6	0.013	0.003	0.017
				26253	198.36	199.36	1.00	0.009	1.4	0.009	0.003	0.016
				26254	199.36	200.36	1.00	0.018	1.4	0.008	0.002	0.056
				26255			BLK	<0.005	0.6	0.000	<0.001	0.000
				26256	200.36	201.36	1.00	0.015	1.5	0.009	0.003	0.095
				26257	201.36	202.30	0.94	0.018	1.8	0.010	0.004	0.023
				26258	202.30	203.30	1.00	0.027	0.9	0.006	0.004	0.020
				26259	203.30	204.30	1.00	0.082	1.4	0.010	0.003	0.021
				26260			STD 3	2.914	11.3	0.008	0.038	0.081
				26261	204.30	205.30	1.00	0.146	1.4	0.009	0.003	0.008
				26262	205.30	206.30	1.00	0.041	1.1	0.011	0.002	0.009
				26263	206.30	206.44	0.14	0.025	0.9	0.009	0.003	0.010
				26264	206.44	207.83	1.39	0.048	1.4	0.009	0.005	0.009
				26265	207.83	208.75	0.92	0.048	1	0.010	0.002	0.006
				26266	208.75	209.75	1.00	0.052	1.2	0.014	0.002	0.010
				26267	209.75	210.75	1.00	0.019	1.1	0.009	0.002	0.008
				26268	210.75	211.75	1.00	0.073	1.1	0.008	0.002	0.009
				26269	221.03	222.38	1.35	0.031	5.5	0.013	0.034	0.089
				26270	222.38	223.36	0.98	0.033	1.3	0.007	0.002	0.008
				26271	223.36	224.36	1.00	<0.005	1.1	0.009	0.001	0.006
				26272			Dup	<0.005	1.2	0.009	0.001	0.007
				26273	224.36	225.36	1.00	0.36	1.7	0.031	0.005	0.021
				26274	225.36	226.36	1.00	0.012	1.1	0.011	0.001	0.008
				26275			BLK	<0.005	0.5	<0.001	<0.001	<0.001
				26276	226.36	227.36	1.00	0.014	1	0.009	0.002	0.014
				26277	227.36	228.36	1.00	0.008	0.9	0.012	0.001	0.016
				26278	228.36	229.31	0.95	<0.005	0.8	0.011	0.001	0.009
				26279	229.31	230.31	1.00	0.011	0.5	0.003	0.001	0.006
				26280			STD 4	3.901	18.8	0.035	0.023	0.013
				26281	230.31	231.39	1.08	0.049	1.2	0.012	0.001	0.025
				26282	231.39	232.72	1.33	0.008	1.4	0.011	0.001	0.034
				26283	232.72	233.86	1.14	0.081	1.2	0.014	0.003	0.011

AMERICAN CREEK RESOURCES LTD.

DDH # DW19-03													
				26284	233.86	235.17	1.31	0.009	1.3	0.008	0.001	0.012
				26285	235.17	236.17	1.00	0.054	1	0.009	0.001	0.008
				26286	236.17	237.17	1.00	0.07	0.7	0.006	0.002	0.024
				26287	237.17	238.17	1.00	0.01	0.7	0.007	0.001	0.005
				26288	238.17	239.17	1.00	0.017	0.7	0.007	0.001	0.019
				26289	239.17	240.17	1.00	0.018	1.3	0.010	0.002	0.017
				26290	240.17	241.17	1.00	<0.005	0.8	0.008	0.001	0.012
				26291	241.17	241.82	0.65	0.007	1.2	0.011	0.003	0.031
				26292			Lab D	<0.005	1.2	0.010	0.002	0.022
				26293	241.82	242.82	1.00	0.03	0.9	0.009	0.002	0.010
				26294	242.82	244.07	1.25	0.01	0.8	0.008	0.001	0.009
				26295			BLK	<0.005	0.5	<0.001	<0.001	<0.001
				26296	244.07	245.57	1.50	<0.005	0.9	0.009	0.001	0.009
				26297	245.57	246.66	1.09	0.006	1	0.009	0.001	0.008
				26298	246.66	247.66	1.00	0.116	0.9	0.009	0.001	0.009
				26299	247.66	248.66	1.00	<0.005	0.7	0.005	0.000	0.006
				26300			STD 3	3.192	12	0.008	0.041	0.081
				27001	248.66	249.66	1.00	0.013	1	0.010	0.001	0.008
				27002	249.66	250.66	1.00	0.022	1.6	0.008	0.001	0.018
				27003	252.39	253.44	1.05	0.02	1	0.009	0.001	0.012
				27004	253.44	254.52	1.08	0.035	0.8	0.011	0.002	0.009
				27005	254.52	255.52	1.00	<0.005	0.6	0.008	0.001	0.005
				27006	255.52	256.52	1.00	0.019	0.5	0.006	0.001	0.005
				27007	256.52	257.52	1.00	<0.005	0.7	0.009	0.001	0.009
				27008	257.52	258.52	1.00	0.01	1	0.011	0.001	0.009
				27009	264.15	265.83	1.68	0.008	0.8	0.009	0.002	0.008
				27010	265.83	266.83	1.00	0.016	1.2	0.016	0.004	0.039
				27011	266.83	268.30	1.47	0.008	1.1	0.026	0.003	0.025
				27012			Dup	0.006	1.3	0.030	0.003	0.026
				27013	268.30	269.45	1.15	0.012	0.9	0.016	0.002	0.009
				27014	269.45	270.45	1.00	<0.005	0.4	0.007	0.001	0.003
				27015			BLK	<0.005	0.4	0.000	<0.001	<0.001
				27016	270.45	271.45	1.00	0.035	0.3	0.007	0.000	0.004
				27017	271.45	272.45	1.00	<0.005	0.6	0.008	0.001	0.004
				27018	272.45	273.45	1.00	<0.005	0.4	0.007	0.001	0.004
				27019	273.45	274.45	1.00	<0.005	0.3	0.006	0.001	0.004
				27020			STD 4	3.855	20.4	0.035	0.022	0.013
				27021	274.45	275.45	1.00	0.158	0.4	0.010	0.001	0.005
				27022	275.45	276.45	1.00	<0.005	0.2	0.004	0.000	0.005

AMERICAN CREEK RESOURCES LTD.

DDH # DW19-03												
				27023	276.45	277.45	1.00	0.007	0.3	0.005	0.001	0.003
				27024	277.45	278.45	1.00	0.007	0.3	0.005	0.001	0.003
				27025	278.45	279.45	1.00	<0.005	0.2	0.005	0.001	0.003
				27026	279.45	280.45	1.00	0.033	0.5	0.007	0.001	0.007
				27027	280.45	281.45	1.00	0.089	0.6	0.009	0.001	0.004
				27028	281.45	282.45	1.00	0.012	1	0.005	0.004	0.090
				27029	282.45	283.95	1.50	0.008	0.5	0.006	0.001	0.003
				27030	283.95	285.45	1.50	<0.005	0.5	0.006	0.001	0.002
				27031	285.45	286.45	1.00	<0.005	0.6	0.006	0.001	0.004
				27032			Lab Dı	0.011	0.5	0.006	0.001	0.004
				27033	286.45	287.45	1.00	<0.005	0.4	0.004	0.001	0.006
				27034	287.45	288.65	1.20	0.014	0.7	0.007	0.001	0.005
				27035			BLK	<0.005	0.5	0.000	<0.001	<0.001
				27036	288.65	289.65	1.00	<0.005	0.3	0.003	0.001	0.006
				27037	289.65	290.65	1.00	<0.005	0.4	0.003	0.000	0.006
				27038	290.65	291.65	1.00	0.045	0.7	0.009	0.001	0.007
				27039	291.65	292.65	1.00	0.015	0.9	0.012	0.002	0.004
				27040			STD 3	3.039	11.8	0.008	0.039	0.079
				27041	292.65	293.65	1.00	<0.005	0.9	0.012	0.000	0.009
				27042	293.65	294.65	1.00	<0.005	0.8	0.010	0.000	0.011
				27043	294.65	295.82	1.17	<0.005	0.7	0.009	0.001	0.011
				27044	295.82	296.82	1.00	0.009	2.4	0.019	0.006	0.139
				27045	296.82	297.82	1.00	<0.005	0.9	0.006	0.005	0.020
				27046	297.82	298.82	1.00	<0.005	0.9	0.005	0.006	0.027
				27047	298.82	299.82	1.00	0.015	0.6	0.008	0.002	0.005
				27048	299.82	300.82	1.00	<0.005	0.4	0.004	0.001	0.002
				27049	300.82	301.80	0.98	0.008	0.4	0.001	0.001	0.002
				27050	301.80	302.82	1.02	0.009	0.5	0.003	0.001	0.002
				27051	302.82	303.89	1.07	0.009	0.4	0.004	0.001	0.002
				27052			Dup	0.005	0.4	0.005	0.001	0.002
			EOH 303.89 m									

2019 Dunwell Diamond Drill Logs

DDH # DW19-04	**Core Size: NQ2**	**Logged by: Jim McCrea**
Azimuth: 110°	**Start:**	**Total depth: 126.80 m**
Dip: -75°	**Completion:**	**Co-ordinate________________________**

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 437	**Dip (degrees)**									

METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	1.52	**Casing**										
				26001	8.68	9.83	1.15	<0.005	0.9	0.008	0.001	0.005
1.52	24.34	**Argillite**	Black f.g. argillite (mudstone), oxized in the first 5 m w/ fe_ox in frac, first 20 cm very broken and later blocky. Unit is silicified and sheared w/ qtz ± cal veining and a mylonitic or sheared texture from 1.52-19.21.	26002	9.83	11.28	1.45	<0.005	1.6	0.009	0.014	0.030
			In the mylonite are small bands (frac) w/ sph @ 8.74-7.76, 8.84-8.87, 8.94-8.96 and at 9.40, 10.00, 10.57, 14.37-14.40, 14.49-14.52, 14.64-14.69, 14.80, etc. 18.15-18.25 - vn w/ c.g. sph ~30%	26003	11.28	12.28	1.00	<0.005	0.9	0.007	0.003	0.008
			19.21-19.72 silicified interval w/ v.f.g. sph in lower third of the interval (replacement?) also w/ po, qtz, tr py. Lower contact is sharp.	26004	12.28	13.28	1.00	0.011	0.8	0.008	0.001	0.006
				26005	13.28	14.28	1.00	0.019	0.7	0.007	0.001	0.006
24.34	27.70	**Dacite Dike**	Med grained, green dike, very similar to dike at the bottom of hole 2 and as outcrops at the drill pad, 30-40% plag phenos in a lt green aphanitic mtx, 3-5% ferromag minerals alted to chl. Upper contact @ 30° CA and lower contact @ 80° CA.	26006	14.28	15.28	1.00	0.007	0.8	0.009	0.001	0.007
				26007	15.28	16.28	1.00	0.007	0.9	0.008	0.001	0.006
27.70	36.93	**Argillite**	Arg, as above, contact is hornfelsed (~15 cm), v broken, w/ py, and coarse grained sph xtals (27.85-28.84) below the hornfels the unit is sil w/ chl, py, gal, sph - f.g. gal in blebs, large sph xtals, chl, cal vnlts.	26008	16.28	17.28	1.00	0.006	0.9	0.008	0.001	0.006
			28.84-36.93 - various zones of sil w/ py, po, sph, - sph as very fine grained xtals @ 32.16, 32.49, 38.02, 33.24 and 34.14.	26009	17.28	18.28	1.00	0.078	25	0.033	0.158	1.500
				26010	18.28	19.21	0.93	0.007	1.3	0.007	0.008	0.018
36.93	38.90	**Dacite Dike**	light green dacite dike, similar to above, w/ 35-40% plag phenos (2-3 mm), 5-7% ferromag minerals as chl, in a fine grained mtx	26011	19.21	19.73	0.52	<0.005	0.9	0.007	0.001	0.007
				26012			Dup	0.005	0.8	0.007	0.001	0.008
38.90	92.67	**Argillite**	w/ sph, po, frac or stringers w/ py, some frac w/ vfg sph @ 40.34, 40.70, 41.80-42.25, 43.68-43.89, 44.17-44.40, 44.92-45.12, 45.35-45.48, 45.20-45.90.	26013			BLK	<0.005	0.5	0.000	<0.001	<0.001
			45.97-46.35 - sil and @ 48.30 and 51.76	26014	19.73	20.42	0.69	0.007	1.3	0.005	0.001	0.021
			52.05-52.42 - py stringers	26015	20.42	21.42	1.00	0.006	1.3	0.009	0.001	0.045
			52.44-53.56 - w/ sph and c.g. sph@ 52.78	26016	21.42	22.42	1.00	0.008	1.5	0.011	0.001	0.026
			53.56-82.21 - arg w/ bedding, areas of horn and sil, py stringers.	26017	22.42	23.47	1.05	0.01	1	0.008	0.002	0.015
			82.21-82.59 - bx, 1-5 cm frag, cal veining/ frac fill and mtx w/ some qtz, c.g.sph, locally up to 10%, c.g. py.	26018	23.47	24.34	0.87	0.018	1.4	0.011	0.004	0.010
			82.59-84.26 - sil on arg w/ ser, cla, po, py and coarse grained py.	26019	27.70	28.84	1.14	0.827	20.1	0.020	0.309	0.471
			84.26-86.25 - minor cal vnlts	26020			STD 3T	3.13	12.3	0.008	0.038	0.077
			86.25-86.84 - zonee of sil, brecciation and veining, band of c.g. py.	26021	28.84	29.84	1.00	0.052	1.1	0.008	0.002	0.006
			86.84-86.93 - cal vn.	26022	29.84	30.84	1.00	0.052	0.9	0.008	0.001	0.007
			86.93-87.25 - as above, bx and sil, c.g. Sph and py.	26023	30.84	31.84	1.00	0.031	1.3	0.011	0.002	0.006

DDH # DW19-04												
			87.25-92.67 - arg w/ sil, py and po.	26024	31.84	32.44	0.60	0.041	1.3	0.010	0.002	0.008
				26025	32.44	33.14	0.70	0.095	1	0.007	0.002	0.010
92.67	93.55	**Dacite Dike**	Fine grained green dike w/ 10% chloritized ferromag minerals, Upper and lower contacts sharp @ 70-80° CA. Very little frac in dike, frac @5-25° CA w/ cal	26026	33.14	33.74	0.60	0.052	1.3	0.009	0.002	0.007
				26027	33.74	34.49	0.75	0.005	1.3	0.010	0.003	0.018
				26028	34.49	35.75	1.26	0.005	0.8	0.007	0.001	0.006
93.55	126.80	**Argillite**	Argillite, similar to above, with intense sil and shearing in most of the interval, little sulphides.	26029	35.75	36.93	1.18	0.031	1.2	0.010	0.001	0.006
			94.80-95.84 - bx w/ qtz	26030	36.93	39.90	2.97	0.011	1.4	0.010	0.001	0.017
			96.23-102.40 - sheared section w/ shearing/vning @ ~20° CA (only this interval)	26031	39.90	40.90	1.00	0.005	1.3	0.009	0.001	0.013
			102.40-123.85 - shearing and sil, po, py.	26032			Lab Dup	0.006	1.2	0.009	0.001	0.012
				26033	40.90	41.80	0.90	0.015	1.2	0.010	0.001	0.013
				26034	41.80	42.60	0.80	0.02	1	0.008	0.001	0.011
			EOH 126.80 m	26035			BLK	0.012	0.3	0.000	<0.001	0.000
				26036	42.60	43.60	1.00	0.022	1.2	0.010	0.002	0.017
				26037	43.60	44.40	0.80	0.054	1	0.007	0.001	0.006
				26038	44.40	45.40	1.00	0.233	1.1	0.009	0.002	0.010
				26039	45.40	46.40	1.00	0.027	0.7	0.008	0.001	0.006
				26040			STD 4F	3.947	19.8	0.034	0.022	0.013
				26041	46.40	47.40	1.00	0.019	0.8	0.009	0.001	0.009
				26042	47.40	48.40	1.00	0.018	0.7	0.010	0.001	0.012
				26043	48.40	49.40	1.00	0.015	0.8	0.009	0.001	0.012
				26044	49.40	50.40	1.00	0.018	0.7	0.009	0.001	0.011
				26045	50.40	51.80	1.40	0.017	0.7	0.008	0.000	0.008
				26046	51.80	52.52	0.72	0.018	0.6	0.007	0.001	0.005
				26047	52.52	53.02	0.50	0.021	0.4	0.010	0.001	0.119
				26048	53.02	53.56	0.54	0.024	0.7	0.010	0.002	0.009
				26049	53.56	54.56	1.00	0.02	0.8	0.009	0.001	0.012
				26050	54.56	55.56	1.00	0.013	1	0.008	0.002	0.012
				26051	55.56	56.56	1.00	0.015	0.9	0.009	0.000	0.010
				26052			Dup	0.015	0.9	0.008	0.000	0.011
				26053	56.56	57.56	1.00	0.012	1	0.009	0.000	0.013
				26054	57.56	60.63	3.07	0.019	1	0.008	0.001	0.012
				26055			BLK	0.007	0.5	0.000	<0.001	<0.001
				26056	60.63	61.63	1.00	0.028	1.4	0.008	0.002	0.019
				26057	61.63	62.63	1.00	0.022	1.8	0.010	0.003	0.055
				26058	62.63	63.63	1.00	0.015	1.1	0.007	0.000	0.013
				26059	63.63	64.63	1.00	0.018	1.1	0.008	0.000	0.010
				26060			STD 3T	3.026	12.1	0.008	0.040	0.080
				26061	64.63	65.63	1.00	0.019	1.6	0.009	0.001	0.016
				26062	72.68	73.91	1.23	0.017	1.4	0.010	0.001	0.044
				26063	76.89	77.89	1.00	0.019	1.1	0.004	0.001	0.010
				26064	77.89	78.89	1.00	0.017	1	0.004	0.001	0.007
				26065	78.89	79.89	1.00	0.017	1.5	0.009	0.002	0.004
				26066	79.89	80.64	0.75	0.012	1.3	0.009	0.001	0.005
				26067	82.22	82.81	0.59	0.013	0.9	0.003	0.003	0.017
				26068	82.81	83.81	1.00	0.013	0.6	0.006	0.001	0.021
				26069	83.81	84.25	0.44	0.012	0.7	0.006	0.002	0.008

DDH # DW19-04												
				26070	84.25	85.25	1.00	0.012	1.4	0.005	0.014	0.038
				26071	85.25	86.26	1.01	0.011	3.8	0.006	0.058	0.056
				26072			Lab Dup	0.012	3.5	0.006	0.055	0.053
				26073	86.26	87.26	1.00	2.242	17.8	0.036	0.407	2.400
				26074	87.26	88.26	1.00	0.092	9.7	0.010	0.090	0.202
				26075			BLK	<0.005	0.4	0.000	<0.001	0.001
				26076	88.26	89.26	1.00	0.065	7.1	0.022	0.032	0.057
				26077	89.26	90.26	1.00	0.281	8.8	0.011	0.103	0.160
				26078	90.26	91.26	1.00	0.078	3.3	0.007	0.023	0.053
				26079	91.26	92.67	1.41	0.008	2.7	0.006	0.035	0.073
				26080			STD 4F	3.939	19.9	0.034	0.022	0.013
				26081	93.55	94.55	1.00	0.007	2	0.005	0.027	0.052
				26082	94.55	95.55	1.00	0.092	5	0.003	0.012	0.015
				26083	95.55	96.55	1.00	0.053	1.3	0.008	0.004	0.011
				26084	96.55	97.55	1.00	0.04	0.7	0.007	0.002	0.004
				26085	112.29	113.29	1.00	0.035	1.2	0.009	0.005	0.009
				26086	113.29	114.29	1.00	0.024	0.7	0.007	0.001	0.006
				26087	114.29	115.29	1.00	0.015	0.6	0.009	0.001	0.009
				26088	118.69	119.69	1.00	0.063	0.9	0.006	0.005	0.009
				26089	119.69	120.69	1.00	0.051	1.1	0.007	0.003	0.009
				26090	120.69	121.69	1.00	0.058	1	0.009	0.003	0.008
				26091	121.69	122.69	1.00	0.041	1.3	0.013	0.007	0.014
				26092			Dup	0.047	1.5	0.013	0.008	0.017
				26093	122.69	123.69	1.00	0.012	1	0.011	0.002	0.009
				26094	123.69	124.69	1.00	0.022	1.9	0.012	0.045	0.082
				26095			BLK	<0.005	0.4	0.000	<0.001	<0.001
				26096	124.69	125.69	1.00	0.009	0.8	0.009	0.002	0.007

2019 Dunwell Diamond Drill Logs

DDH # DW19-05	Core Size: NQ2	Logged by: Jim McCrea
Azimuth: 105°	Start:	Total depth: 252.07 m
Dip: -87°	Completion:	Co-ordinate________________________

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 437	Dip (degrees)									

METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	2.13	Casing										
2.13	62.03	Argillite	Black f.g. argillite (mudstone), with strong mylonitic texture from surface to 11.28 m, fracutre surfaces have Fe ox in interval veining is 30% cal, below 11.28, the unit becomes more competent, areas of sil, multiple sets of healed frac with cal.									
			11.28 - 14.53 - zone of sil, weak hornfels in patches, grading into a mylonitic zone	27073	21.29	21.64	0.35	9.828	65.8	0.070	2.770	3.280
			14.53 - 24.20 - zone of shearing, mylonitic texture, patches of weak hornfels,									
			24.20-30.40 - zone of sil with veining, veins with po & py, weak hornfels, lower interval is a small bx with quartz and py. lower contact is with blk arg with weak mylonitic texture	27074	29.80	30.40	0.50	0.294	8	0.014	0.259	0.562
			30.40-62.03 - zone of variable sil and veining with hornfels and mylonitic textures. Veins with po, tr py.	27075			blk	<0.005	0.4	0.000	0.000	0.000
			47.91-48.39 - bx with cal mtx, little py	27076	110.61	111.40	0.79	0.19	9.2	0.002	0.023	0.012
			54.99-55.29 - bx with qtz/cal mtx, no py	27077	111.40	112.06	0.66	0.14	2	0.000	0.003	0.002
			59.61-60.05 - bx with cal mtx	27078	112.06	113.12	1.06	0.142	2.6	0.001	0.003	0.006
62.03	65.47	Dacite Dike	Dacite, plag phenos, m. g. anhydral ~40%, chl alt. upper contact @ 70° CA, lower contact at 80°	27079	113.12	113.87	0.75	0.292	2.3	0.001	0.006	0.010
							0.00					
65.47	111.40	Argillite	Arg, blk, graphitic, bedded, highly frac., with zones of shearing, bx, and cal veining. Little sil or py in this interval. Small zones (20-40cm) with sil, po and w hornfels, @ 105.77, 106.30. 110.61-111.40 - zone of bx with qtz and cal vns. Little sulphide, lower contact with dike @ 50° CA.	27080			STD 3T	3.167	12.2	0.008	0.040	0.080
111.40	113.87	Dacite Dike	f g aphanitic dike, lt green, upper contact bx, @ 45° CA, cal vnlts, small bx with qtz/cal mtx, tr py, py in vnlts, lower contact @ 80° CA	27081	113.87	114.62	0.75	0.306	4.2	0.002	0.015	0.009

DDH # DW19-05												
113.87	154.53	**Argillite**	Arg, as above, bedded, highly frac., with zones of shearing, bx, and cal veining. Upper contact with dike @ 70 CA, st. sil, frac with py, contact with bx for 15 cm, qtz/cal mtx, qtz vn with large anhydral py @ 114.97m, lower contact of sil is a shear, with py, 117.20-119.09 - sil zone with vns, py, tr po. lower contact @ 40° CA	27082	114.62	115.32	0.70	0.163	1.9	0.001	0.018	0.012
			119.09-154.53 - unit returns to arg, bedded with shearing. interval has zones of sil. with qtz, chl and po, no sph seen in the interval and little py0	27083	115.32	116.02	0.70	0.121	1.3	0.001	0.016	0.017
				27084	116.02	116.62	0.60	0.036	0.9	0.001	0.002	0.009
				27085	116.62	117.41	0.79	0.065	5.1	0.006	0.046	0.087
				27086	117.41	118.31	0.90	<0.005	1.1	0.006	0.007	0.017
			EOH 154.53 m	27087	118.31	119.09	0.78	<0.005	1.7	0.006	0.013	0.019

2019 Dunwell Diamond Drill Logs

DDH # DW19-06	**Core Size: NQ2**	**Logged by: Jim McCrea**
Azimuth: 95°	**Start:**	**Total depth: 121.01 m**
Dip: -75°	**Completion:**	**Co-ordinate**___________________________

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 437	**Dip (degrees)**									

METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	1.52	**Casing**										
1.52	24.55	**Argillite**	Black f.g. argillite (mudstone), sheared, st. mylonitic texture with sheared qtz/cal vnlts (~30%), Fe_ox on frac down to 14.75 m. 19.65-23.10 - sil, with hornfels and po. lower contact with the dike @ 85° CA.									
24.55	26.93	**Dacite Dike**	lt green, m g, dioritic texture with anhydral plag phenos, chl in mtx, ~0.5% feromag minerals									
26.93	36.36	**Argillite**	Arg., as above, upper dike contact is a bx with c g sph and py, 26.93-27.42, the unit is sil below the bx with qtz and po, 27.42-32.40, lower portion of the interval is arg with tr py and few thin cal stringers	27088	26.93	27.73	0.80	1.965	36.5	0.066	0.467	2.190
36.36	38.57	**Dacite Dike**	lt green, dioritic texture with plag phenos, m.g. Upper contact @ 80°CA and lower contact @ 75° CA									
38.57	85.93	**Argillite**	Arg, as above, bedded, graphitic. descreate zones of sil with po in veins and hornfels (@ 52.06-53.40) and other lighter colored descreate zones with cal content causing a bleached appearance.	27089	79.86	80.36	0.50	<0.005	1.3	0.005	0.003	0.021
			80.36-81.95 - zone of sil with c g py in frac. 0.5m shoulder sample taken, 82.90-85.08 - additional zone of sil with c. g. py in frac/vnlts.	27090	80.36	81.15	0.79	<0.005	0.7	0.003	0.002	0.007
			85.08-85.93 - bx with qtz/cal veining, c. g. py and tr of sph									
				27091	81.15	81.95	0.80	<0.005	0.5	0.002	0.002	0.007
85.93	86.67	**Dacite Dike**	lt pale green, f g, with chl, py filled frac, chloritized ferromag minerals 0.5%. Upper and lower contacts 80-85°CA.	27092			dup	<0.005	0.8	0.003	0.001	0.005
				27093	81.95	82.90	0.95	<0.005	1.9	0.007	0.008	0.063

DDH # DW19-06												
86.67	121.01	**Argillite**	Arg, as above, upper dike contact brecciated, with bands of c. g. py, qtz/carb vn, breccias sections contain c g py down to 92.24 m.	27094	82.90	84.40	1.50	<0.005	0.7	0.003	0.001	0.004
				27095			blk	<0.005	0.8	0.000	<0.001	0.000
			92.24-121.01 - reminder of the hole is arg. with bands of mylonitic texture and sil/carb alt and little sulphides.	27096	84.40	85.08	0.68	0.008	2	0.007	0.006	0.039
				27097	85.08	85.93	0.85	0.661	16.8	0.005	0.128	0.232
				27098	85.93	86.67	0.74	0.073	1.1	0.001	0.006	0.014
				27099	86.67	87.48	0.81	0.139	13.2	0.022	0.302	0.499
				27100			STD 4F	3.984	19.4	0.033	0.022	0.013
				27101	87.48	88.48	1.00	0.005	1.6	0.002	0.024	0.037
				27102	88.48	89.38	0.90	<0.005	2.4	0.002	0.035	0.060
				27103	89.38	90.14	0.76	0.096	1.8	0.002	0.046	0.139
				27104	90.14	91.24	1.20	0.01	5.4	0.009	0.087	0.148
				27105	91.24	92.24	1.00	0.155	8.4	0.013	0.087	0.240
			EOH 121.01 m									

AMERICAN CREEK RESOURCES LTD.

2019 Dunwell Diamond Drill Logs

DDH # DW19-07	**Core Size: NQ2**	**Logged by: Jim McCrea**
Azimuth: 84°	**Start:**	**Total depth: 114.91 m**
Dip: -70°	**Completion:**	**Co-ordinate**__________________________

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 437	**Dip (degrees)**									

METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	3.66	**Casing**										
3.66	23.79	**Argillite**	Black f.g. argillite (mudstone), upper unit quite broken, sheared, m to st mylonitic texture with sheared qtz/cal vnlts (~20%), Fe_ox on frac down to 10.20 m. 20.21-23.79 - sil, with hornfels and po. small section of sil above the interval. Lower contact with the dike @ 85° CA.									
23.79	26.27	**Dacite Dike**	pale green, m. g. dacite dyke with plag. phenos making up 30% of the unit, 0.5% ferromag minerals altered to chl. Upper and lower contacts @80-85° CA,									
26.27	34.87	**Argillite**	Arg, as above, sil zone near contact is bx with c.g. py. grading into a sil/hornfels, po zone down to 32.00 and from arg to sil arg with hornfels and po @ 33.31, down to the lower contact with the dike	27106	26.27	26.77	0.50	2.305	26.7	0.071	0.521	2.670
34.87	37.00	**Dacite Dike**	medium grained, pale green dacite dike, similar to above, upper and lower contacts both solid @ 45-50° CA									
37.00	82.79	**Argillite**	Arg, as above, bedded, has tr to 0.5% py, upper contact is sharp and not broken. Mylonitic textures, interval has zones of sil with hornfels, qtz veining with po, @ 48.15-49.07 and @ 70.82-71.88. Cal filled frac throughout the interval with a cal vein @ 50.96-51.06 and frac related cal casing bands of carb alt. 81.36-82.71 - contact area of the dike, top starts showing carb alt, grading into mylonitic texture/fault. cal vn 82.14-82.25 followed by a 3 cm broken fault, below the fault the unit is silicfied with bands of c.g. py. were the last 20 cm before the dike was 20-25% py	27107	81.64	82.14	0.50	0.026	3.6	0.006	0.031	0.030
				27108	82.14	82.79	0.65	3.114	25.6	0.009	0.068	0.694
82.79	83.53	**Dacite Dike**	lt pale green, f g, with chl, py filled frac, chloritized ferromag minerals 0.5%. Upper and lower contacts ~70°CA.	27109	82.79	83.53	0.74	0.127	1.2	0.001	0.011	0.066
				27110	83.53	84.43	0.90	0.071	7.5	0.013	0.137	0.188

DDH # DW19-07													
				27111	84.43	86.00	1.57	0.013	2.2	0.004	0.039	0.146
				27112			lab dup	0.011	2.2	0.004	0.035	0.147
83.53	114.91	**Argillite**	Arg, upper contact with the dike is frac and bx with py in frac getting more altered down dip with sil,, vnlts with c.g. py, ser and chl. 86.80-89.62 - coarse bx with qtz vn and arg clasts, c.g. py.	27113	86	86.8	0.80	0.122	7.1	0.011	0.143	0.418
			89.62-114.91 - Arg, in the remainder of the hole grades from bedded arg with py stringers on bedding to intensely altered arg with sil/hornfels and po in veinlets.	27114	86.8	87.5	0.70	0.221	4.1	0.004	0.034	0.276
				27115			blk	<0.005	0.4	0.000	<0.001	0.000
				27116	87.5	88.2	0.70	0.077	1.5	0.002	0.006	0.015
				27117	88.2	88.88	0.68	0.034	0.9	0.002	0.007	0.016
				27118	88.88	89.62	0.74	0.409	1.8	0.001	0.011	0.021
				27119	89.62	90.27	0.65	0.027	3.8	0.016	0.070	0.223
			EOH 114.91 m	27120			STD 3T	3.181	12.1	0.008	0.037	0.073

2019 Dunwell Diamond Drill Logs

DDH # DW19-08	**Core Size: NQ2**	**Logged by: Jim McCrea**
Azimuth: 50°	**Start:**	**Total depth: 102.72 m**
Dip: -65°	**Completion:**	**Co-ordinate**___________________________

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 437	**Dip (degrees)**									

METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	3.05	**Casing**										
			Black f.g. argillite (mudstone), upper unit quite broken, sheared, st. mylonitic texture with sheared qtz/cal vnlts (~30%), Fe_ox on frac down to 11.10 m. Mylonitic texture down to 23.19, below bedded Arg . Lower contact with the dike @ ~75° CA.									
3.05	25.85	**Argillite**										
			pale green, m. g. dacite dyke with plag. phenos making up 30% of the unit, 0.5% ferromag minerals altered to chl. Dike is broken on fracs. Lower contact angle unknown with the bx.									
25.85	26.45	**Dacite Dike**										
			Breccia with quartz vein mtx, angular fragments, 1-3 cm, of Arg, sil Arg and c.g. sphalerite, sph content in the interval ~10%. Lower contact @70°CA	27121	26.45	27.13	0.68	3.959	41	0.070	0.949	3.710
26.45	27.13	**Quartz Breccia**		27122	27.13	27.63	0.50	0.008	2.1	0.010	0.015	0.043
			Arg, as above, mylonitic texture with sheared cal/qtz vnlts (~20-30%). Mylonitic texture grading into bedded Arg below 33.30 m down to the lower contact with the dike									
27.13	36.49	**Argillite**										
			medium grained, pale green dacite dyke, similar to above, plag phenos, chl ferromag minerals, 1%, both contacts are sharp and @ 70° CA									
36.49	38.33	**Dacite Dike**										
			Arg, as above, bedded, has tr to 0.5% py, upper contact is sharp and not broken. sections with weak mylonitic textures and cal filled frac throughout the interval frac related cal casing bands of carb alt. Occasional small qtz veins with po.									
38.33	88.54	**Argillite**										

DDH # DW19-08												
			breccia and dike with medium to very coarse grained fragments, clasts at the start of the interval are mostly Arg, and that grades into an area of mostly qtz and dike, then large dike fragments and the lower sequence is mostly Arg clasts again.	27123	88.04	88.54	0.50	0.109	6.3	0.002	0.010	0.014
88.54	90.17	**Dike Breccia**		27124	88.54	89.25	0.71	0.904	29.7	0.002	0.119	0.120
			the interval below the dike is Arg, with brecciation and silicification. The interval has some frac related sulphides, py mostly, 30% of the interval is silicified Arg with qtz vns & po. some chl.	27125	89.25	90.17	0.92	1.551	6.7	0.001	0.021	0.050
90.17	102.72	**Argillite**		27126	90.17	90.73	0.59	0.731	17.6	0.016	0.097	0.185
			EOH 102.72 m									

2019 Dunwell Diamond Drill Logs

DDH # DW19-09	**Core Size: NQ2**	**Logged by: Jim McCrea**
Azimuth: 40°	**Start:**	**Total depth: 187.31 m**
Dip: -50°	**Completion:**	**Co-ordinate______________**

Reflex Survey										
	Depth (m)	11.28	23.47	53.95	84.43	114.91	145.39			
	Azimuth (degrees)	37.90	42.00	39.50	59.90	43.30	42.70			
Elevation: 437	**Dip (degrees)**	-50	-49.2	-48.3	-46.8	-45.8	-44.5			

METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	3.66	**Casing**										
3.66	26.85	**Argillite**	Black f.g. argillite (mudstone), upper interval, 3.66-4.90 - v. broken and 4.90-5.62 - partly broken with (2 breakes) hem/goth on frac surfaces down to 11.28 m. Interval 5.62-26.85 - with well developed mylonitic texture and minor cal vns. 13.09-13.13 - small band of sph in the mylonite, 23.88-23.93 - vn (5 cm) w/ cal, c.g. py, sph @35° CA. 26.56-26.85 - py filled frac w/ sph.	27053	12.77	13.27	0.50	0.012	1	0.009	0.001	0.005
				27054	23.87	24.14	0.27	0.11	10.50	0.031	0.397	0.942
26.85	27.60	**Dacite Dike**	Fine grained, pale green dacite dyke, anhedral plag phenos ~30%, Tr-0.5% ferromag minerals. Upper contact frac w/ py and sph in vnlts, vnlts w/ gal and sph @ 30° CA. 27.50-27.54 - small section of fault gouge.	27055			BLK	<0.005	0.5	0.000	<0.001	0.002
				27056	25.47	26.47	1.00	0.215	9.5	0.014	0.149	0.787
27.60	37.99	**Argillite**	Arg, as above, mylonitic texture w/ frac, py, sph, gal.	27057	26.47	26.85	0.38	0.971	20	0.044	0.870	1.89
			27.60-28.05 - brecciated/ broken, healed contact w/ dike - 2 10 cm bands of semi-massive sulphide w/ py, gal and sph. 28.05-28.95 - small veins or frac w/ c.g. sph and py and again at 29.52-30.02 m.	27058	26.85	27.60	0.75	0.161	9.4	0.015	0.415	0.575
			30.51-30.62 -0qtz vn w/ c.g. Sph and py @ ~50° CA.	27059	27.60	28.05	0.45	13.87	258	0.438	15.530	11.04
				27060			STD 4F	3.954	19.7	0.033	0.023	0.014
				27061	28.05	29.05	1.00	0.565	32.6	0.058	0.748	2.09
				27062	29.05	30.05	1.00	0.063	9.4	0.015	0.228	0.407
				27063	30.05	30.62	0.57	0.193	16.3	0.024	0.429	0.832
				27064	30.62	31.62	1.00	0.033	2.4	0.010	0.035	0.041
37.99	40.62	**Dacite Dike**	Medium grained, pale green dacite dyke, plag phenos ~25% 10% ferromag minerals altered to chl.									
40.62	46.84	**Argillite**	Arg, as above, 28 cm band of shearing at the upper contact w/ the dike, below that, blocky arg with cal vnlts.									
			45.45-46.84 - bx w/ cal mtx, contact @ 60° CA.									

DDH # DW19-09												
46.84	48.33	**Dacite Dike**	Dacite Dike, as above, Lowercontact @ 70° CA.									
48.33	98.60	**Argillite**	Arg, as above, w/ bedding, cal vnlts, some py, graphitic.									
			52.50-54.58 - weak hornfels									
			62.04-62.99 - hornfels									
			67.13-69.43 - hornfels									
			69.43-70.60 - st hornfels w/ sil, veininng + Po, ser, py.									
			70.60-72.67 - horn	27065	62.04	63.09	1.05	0.013	0.8	0.010	0.002	0.008
			73.67-74.85 - horn w/ sil, chl, Po.									
			76.78 vnlt w/ Po.									
			76.98-77.17 and 77.54-77.62 - sil w/ Po									
			84.73-84.84, 84.90-84.95 - bx w/ cal									
			85.97-86.16, 87.69-87.70 - sil									
			89.74-90.14, 90.65-90.76 - sil									
			94.94-96.04, 96.77-97.47 - frac (bx), clasts w/ tension frac.									
			97.65-98.05 - frac/vnlts									
			98.05-98.60 - brecciated dike contact healed .w/ cal, last 12 cm w/ c.g. py	27066	98.05	98.60	0.55	0.828	32.6	0.006	0.099	0.096
98.60	99.88	**Dacite Dike**	Lt green, aphinatic dacite dike, frac filled with cal, lower 45 cm w/ frac fillled with qtz and py.	27067	98.60	99.05	0.45	0.704	11.4	0.001	0.155	0.027
99.88	143.02	**Argillite**	Arg, as above, upper contact faulted (10 cm) and healed, py.									
			99.98-101.80 - bx w/ cal mtx.									
			101.80-129.54 - zone of shearing and sil w/ cal, little sulphides									
			107.11-107.50 - vn									
			116.33-116.52 - vn									
			124.98-125.47 - vn and sil									
			128.00-128.30 - vn w/ po									
			128.85-129.54 - sil									
			129.54-143.02 - arg w/ sil @ 131.88-133.36, @ 134.46-139.45, @ 142.00-142.40 - sil, vns w/ Po.	27068	142.52	143.02	0.50	0.006	2.4	0.006	0.010	0.018
143.02	144.52	**Breccia**	143.02-144.52 - bx w/ mtx of Po and sph, ~45% of the interval is semi massive sulphides	27069	143.02	143.77	0.75	5.326	76.8	0.355	0.810	20.77
				27070	143.77	144.52	0.75	10.47	93	0.363	0.771	19.73
144.52	187.31	**Argillite**	Arg, as above, some veining, few sulphides	27071	144.52	145.02	0.50	0.101	2.5	0.012	0.041	0.079
			177.15-177.67 - sil	27072			LD	0.061	3.3	0.011	0.037	0.076
			EOH 187.31 m									

2019 Dunwell Diamond Drill Logs

DDH # DW19-10	Core Size: NQ2	Logged by: Jim McCrea	
Azimuth: 126°	Start:	Total depth: 139.29 m	
Dip: -75°	Completion:	Co-ordinate__________________________	

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 437	Dip (degrees)									

METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	3.66	Casing										
3.66	28.00	Argillite	Black f.g. argillite (mudstone), with strong mylonitic texture from surface to 21.16 m, first 35 cm is very broken, fracture surfaces have Fe_ox down to 12.11 m, in the interval veining is ~30% cal, below 21.16 the unit becomes bedded argillite with areas of sil and multiple sets of healed frac with cal. Lower contact with the dike is sharp and @ 75° CA	27127	18.62	19.25	0.63	0.032	6.5	0.008	0.274	0.2126
28.00	29.00	Dacite Dike	pale green, m. g. dacite dyke with anhydral plag. phenos making up 35% of the unit, ~0.5% ferromag minerals altered to chl. Lower contact @80° CA,									
29.00	39.87	Argillite	Arg, as aove, the upper contact with the dike is brecciated containing c.g. py and sp. 29.57-36.98 - interval of intense sil and hornfels, qtz veining with Po. Po dis, in veins and blebs. Below 36.98, bedded arg with py stringers, w to mod hornfels/sil in patches. sharp lower contact with dike.	27128	29.00	29.57	0.57	2.785	42.5	0.055	0.713	3.02
39.87	41.73	Dacite Dike	medium to coarse grained, pale green dacite dike, 0.5% chloritized ferromag minerals. 40% anhydral plag phenos, upper and lower contacts sharp and ~70° CA									
				27129	88.21	88.71	0.50	<0.005	3.4	0.002	0.027	0.0242
41.73	98.42	Argillite	Arg, as above, argillite/mudstone with cal filled frac, py as stringers and on fracs. carb alteration as frac zones, sil and hornfels also in descreate zones with qtz vns and Po. Sil in zones @ 54.31-55.67, 61.79-63.09, 65.76-66.78, 78.50-78.61 - with 2 cm band of Po, 80.94-81.82 with bx and 83.34-84.01 with Po.	27130	88.71	89.61	0.90	3.535	43.2	0.06	1.48	2.86

DDH # DW19-10													
			88.59-98.42 - zone of shearing weak bx with v.c.g. py and sp in cal veins. The mineralization is in veins in the breccia. Veins/structures with py - 88.71-90.11, 93.17-94.60, 94.93-95.53, 97.82-98.42 (dike contact) Dike contact 75° CA	27131	89.61	90.11	0.50	0.056	3.9	0.011	0.056	0.2901
				27132			Dup	0.051	5.2	0.003	0.079	0.2613
98.42	99.13	**Dacite Dike**	fine grained, pale green, aphanitic dacite dike with quartz / calcite vnlts, ~0.5% ferromag minerals, no phenos. Lower contact ~80° CA	27133	90.11	90.61	1.50	<0.005	0.9	0.001	0.013	0.0218
				27134	90.61	92.11	1.50	<0.005	2.1	0.005	0.046	0.0355
				27135			Blk	<0.005	0.6	2E-04	3E-04	<0.001
				27136	92.11	93.17	1.06	<0.005	1.6	0.003	0.032	0.0427
99.13	139.29	**Argillite**	Arg, as above, upper contact with the dike is a breccia/qtz breccia, 99.13-99.79, with coarse grained py in blebs and along frac, lower half of the bx is qtz flooded; below the inteval the unit is frac brecciated with cal vnlts.	27137	93.17	93.77	0.60	0.014	5.2	0.018	0.092	0.4512
			102.52-103.02 - small vein breccia with c g py, cal vns	27138	93.77	94.93	1.16	<0.005	1.3	0.011	0.011	0.0188
			The reminder of the interval has mainly a mylonitic texture. but with small un-alterd intervals of bedded arg/mudstone.	27139	94.93	95.53	0.6	0.049	3.4	0.012	0.083	0.1439
			126.52-126.82 - small bx cal vn with c g sp and py	27140			STD 4F	3.865	20	0.034	0.022	0.0136
				27141	95.53	96.13	0.6	0.047	1.1	0.01	0.005	0.0198
				27142	97.82	98.42	0.6	0.037	3.9	0.006	0.043	0.0512
				27143	99.13	99.79	0.6	1.707	33.7	0.031	0.285	0.5294
				27144	99.79	100.29	0.5	0.289	5	0.006	0.021	0.0697
				27145	102.52	103.02	0.5	0.025	2.8	0.005	0.019	0.0125
			EOH 139.29 m	27146	126.52	126.82	0.3	0.222	6.9	0.01	0.149	0.6478

2019 Dunwell Diamond Drill Logs

DDH # DW19-11	Core Size: NQ2	Logged by: Jim McCrea
Azimuth: 40°	Start:	Total depth: 169.77 m
Dip: -57°	Completion:	Co-ordinate___________________________

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 437	Dip (degrees)									

METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	3.66	**Casing**										
3.66	38.25	**Argillite**	Black f.g. argillite (mudstone), with strong mylonitic texture from surface to 36.72 m, first 1.52 m is very broken and is represented by 20 cm of small cobbles in the core box, fracture surfaces have Fe_ox down to 11.42 m, in the interval veining is ~30% cal, below 11.42 the unit becomes bedded argillite with healed frac with cal. Lower contact with the dike is sharp	27147	36.32	26.82	0.50	0.013	3.9	0.010	0.071	0.132
			26.82-27 - In the mylonitic texture are a series of late stage fractures @ 60-70° CA, with massive sphalerite, coarse py and galina, the interval is ~10% sulphides	27148	26.82	27.82	1.00	5.601	66	0.213	1.700	7.850
				27149	27.82	28.32	0.50	0.068	9.9	0.047	0.414	0.693
38.25	41.22	**Dacite Dike**	Pale green, m. g. dacite dyke with anhydral plag. phenos making up 35-40% of the unit, ~0.5% ferromag minerals altered to chl. Upper and lower contact sharp @ ~45° CA,									
41.22	44.29	**Argillite**	Arg, as above, blk, qtz/cal veinlets/frac fill, healed tension gashes.									
			43.30-44.29 - unit broken, largest piece 10 cm									
44.29	49.33	**Dacite Dike**	medium grained, pale green dacite dike, plag phenos make up 30% of the dike, chloritized ferromag minerals 1-1.5%, entire interval is quite broken with healed frac with qtz or cal. Lower contact sharp @40° CA									
49.33	96.27	**Argillite**	Arg, as above, f.g., with healed tension frac. in areas, veining and carb frac related alt. Zones of sil with vning and Po @ 51.67-52.69, 58.64-62.32 - ~10% Po in the interval, 71.76-73.90, 79.45-80.98.	27150	95.13	95.63	0.50	0.021	2.6	0.005	0.020	0.058
			95.63-96.02 - Qtz bx with angular to sub angular clasts of arg, qtz, sulphides with py, with a mostly qtz mtx. Interval has coarse py, sph and galina.	27151	95.63	96.27	0.64	4.408	34.5	0.026	0.363	0.757
			96.02-96.27 - Arg, healed frac with py, sph ang gal.	27152			Lab Du	4.379	38.7	0.029	0.383	0.879

DDH # DW19-11												
				27153	96.27	96.94	0.67	0.787	15.7	0.037	0.429	0.959
96.27	96.94	**Dacite Dike**	Fine grained, pale green, aphanitic dacite dike with quartz / calcite vnlts, ~0.5% ferromag minerals, no phenos. Frac contain py, sph and galina xtals, m - c grained. Upper and lower contact broken.	27154	96.94	97.64	0.70	0.152	19.3	0.013	0.333	0.788
				27155			Blk	<0.005	0.4	0.000	0.000	0.000
96.94	169.77	**Argillite**	Arg, as above, the upper contact with the dike is broken and sheared, mylonitic texture, cal filled frac with py and sph ~ 10-15 cm below contact. The unit, below the contact zone, has predominatly a mylonitic texture in zones that grade from bedded Arg to sil Arg with veinig, Po and hornefels. There a small zones of tension frac and bx veins.	27156	136.25	136.75	0.50	0.006	1.3	0.003	0.012	0.024
			135.87-136.12 cal vn	27157	136.75	137.95	1.20	0.072	7.8	0.014	0.186	0.689
			136.75-138.45 - bedded arg with cal filled frac, one frac @ ~20° CA with c g py, others more 60° with micro bx and c g py and sph.	27158	137.95	138.45	0.50	0.019	3.1	0.004	0.073	0.150
			138.45-138.63 - Interval of massive sulphide bx with py, sph and gal. Some Po. Contacts @ ~70° CA,	27159	138.45	138.95	0.50	4.026	66	0.166	1.070	6.220
			138.63-139.09 - Arg, with filled frac containig sph and py	27160			STD 3T	3.004	12.9	0.008	0.039	0.083
			139.09-140.14 - sil zone with Po	27161	138.95	140.14	1.19	0.177	3.1	0.015	0.050	0.156
			140.14-142.24 - Arg will filled mineralized frac, py, sph	27162	140.14	141.18	1.04	0.01	1.8	0.010	0.005	0.023
			142.24-142.71 - bx with py and sph in bands, interval 50% sulphide	27163	141.18	142.24	1.06	0.023	2.1	0.009	0.016	0.065
			142.71-142.98 - sil section with py	27164	142.24	142.71	0.47	5.792	78.6	0.207	2.040	9.530
			142.98-144.17 - bx with massive sulphides, py, sph, gal and minor Po	27165	142.71	142.98	0.27	0.086	4.3	0.023	0.150	0.280
			144.17-144.93 - bx veins with c g suphides, py, sph, and gal	27166	142.98	143.58	0.60	33.31	215	0.624	3.710	23.100
			144.93-145.32 - sil zone with po.	27167	143.58	144.17	0.59	8.541	217	0.000	6.740	16.680
			145.32-146.34 - arg with mineralized frac, c g py.	27168	144.17	144.93	0.76	3.618	116	0.149	1.840	9.080
			146.34-169.77 - arg, as above, with zones of mylonitic texture, veining and sil. Sil zones with qtz veins and po	27169	144.93	145.32	0.39	0.045	2.3	0.014	0.026	0.045
				27170	145.32	146.34	1.02	0.057	1.6	0.012	0.006	0.028
			EOH 169.77 m									

2019 Dunwell Diamond Drill Logs

DDH # DW19-12	**Core Size: NQ2**	**Logged by: Jim McCrea**
Azimuth: 40°	**Start:**	**Total depth: 166.73 m**
Dip: -65°	**Completion:**	**Co-ordinate**________________________

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 437	**Dip (degrees)**									

METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	4.57	**Casing**										
4.57	39.26	**Argillite**	Black f.g. argillite (mudstone), first 0.61 m is very broken and is represented by 7 cm of core and some gravel in the core box, unit is bedded, fracture surfaces have Fe_ox down to 10.95 m, in the interval veining is ~30% cal, below 6.42 the unit is very broken, fault, below the fault starts the med to strong mylonitic textures. The mylonitic texture fades below 36.16. The unit becomes bedded argillite with healed frac with cal. Lower contact with the dike is sharp @ ~65° CA.	27171	22.17	22.69	0.52	2.217	20.1	0.0513	0.3654	3.92
			22.17-27.86 - in the mylonitic arg are 5 zones with veinig. 22.17-22.32 - cal veins with c g sph, 22.72-22.91 - frac zone with c g py, 23.27-23.47 - vein with c g py, gal and sph, 27.05-27.18 -c g py in qtz/cal vnlts with sph, 27.68-27.86 - small bx with c g sph and py.	27172			Dup	1.366	24.3	0.0697	0.4458	3.64
				27173	22.69	23.47	0.78	3.273	88	0.2107	2.83	5.63
39.26	42.93	**Dacite Dike**	pale green, m. g. dacite dyke with anhydral plag. phenos making up 40% of the unit, ~0.5% ferromag minerals altered to chl. Lower contact @75° CA.	27174	27.05	27.81	0.76	1.562	30.4	0.1041	0.6465	2.66
				27175			Blk	<0.005	0.8	0.0002	0.0011	0.0013
42.93	48.72	**Argillite**	Arg, as above, the upper contact with the dike frac/bx with cal healed frac, becoming more broken/ground, fault gauge @ ~43.60, remainder of the interval is 60% broken arg w/ cal filled frac faces. Below 48.02, the unit becomes more competent as a healed bx, cal mtx. Sharp lower contact with dike @ 60° CA.	27176	86.81	87.51	0.70	<0.005	0.4	0.0016	0.0035	0.0166
				27177	87.51	88.31	0.80	<0.005	0.5	0.0024	0.002	0.0037
48.72	50.62	**Dacite Dike**	Medium grained, pale green, dacite dike, similar to above, 0.5% chloritized ferromag minerals. 40% anhydral plag phenos, one low angle cal veinlet, upper and lower contacts sharp and ~70° CA	27178	88.31	89.11	0.80	<0.005	0.2	0.0019	0.0015	0.0024
				27179	89.11	89.91	0.80	0.023	0.4	0.0015	0.002	0.0035

DDH # DW19-12												
50.62	93.81	**Argillite**	Arg, as above, bedded with weak mylonitic texture, cal filled frac, py as stringers and on fracs. carb alteration as frac zones, sil and hornfels also in descreate zones with qtz vns and Po. Sil in zones @ 61.03-62.89, 63.37-64.29, 83.93-84.09, 85.17-85.60, 86.81-90.20 - interval has sil, c g py, f.g., Po, 93.81-94.84 -sil/horn; .	27180			STD 4F	3.885	20.1	0.0338	0.0212	0.0136
			95.70-98.43- zone of bx/sil with c.g. py. The mineralization is in veins in the breccia or in clasts. Dike contact 75° CA	27181	95.75	96.49	0.74	<0.005	1	0.0044	0.0014	0.0877
				27182	96.49	97.49	1.00	0.761	15.9	0.0037	0.0508	0.0536
				27183	97.49	98.43	0.94	1.086	32.4	0.0406	0.2555	1.11
99.15	166.73	**Argillite**	Arg, as above, upper contact with the dike is a breccia/qtz breccia, 99.15-100.19, with some coarse grained py in blebs and along frac, lower half of the bx has a cal mtx; below the inteval the unit is frac, and locally brecciated with cal vnlts and has zones of sil with hornfels.	27185	99.15	99.67	0.52	0.283	16.7	0.0082	0.2733	0.5097
			109.92-117.20 - mylonitic textures with mostly cal veining; 117.20-145.87 - zone mylonitic textures with sil, Po and bx.	27186	99.67	100.22	0.55	0.072	9.4	0.0041	0.0699	0.13
			145.86-146.28 - Breccia with py mtx	27187	145.39	145.86	0.47	0.018	3.7	0.021	0.0251	0.0529
			161.15-161.66 - bx with cal mtx	27188	145.86	146.28	0.42	0.64	15.7	0.0626	0.0378	1.41
			The reminder of the interval has mainly a weak mylonitic texture. but with small un-alterd intervals of bedded arg/mudstone.	27189	146.28	146.78	0.50	0.471	1.9	0.0223	0.002	0.0113
			EOH 166.73 m									

2019 Dunwell Diamond Drill Logs

DDH # DW19-13	Core Size: NQ2	Logged by: Jim McCrea
Azimuth: 40°	Start:	Total depth: 172.21 m
Dip: -43°	Completion:	Co-ordinate________________________

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 437	Dip (degrees)									

METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	3.66	Casing										
3.66	25.32	Argillite	Black f.g. argillite, first 1.22 m is very broken argillite and one 10 cm cobble of re-drilled dacite dike, the interval has a strong mylonitic texure, fracture surfaces have Fe_ox down to 10.80 m, in the interval veining is 30-40% cal. The interval has small qtz vns with Po (@15.16m) and small zones of sil (@ 15.91-16.05). Lower contact with the dike is sharp @ ~85° CA.									
25.32	27.55	Dacite Dike	pale green, m. g. dacite dyke with anhydral plag. phenos making up 30% of the unit, ~0.5-1.0% ferromag minerals altered to chl. Lower contact is broken									
27.55	34.82	Argillite	Arg, as above, 27.55-27.78 - the upper contact with the dike is a bx with qtz healed mtx containing c.g. sph, py, gal. Below the interval, the arg has a strong mylonitic texture with vns and small bx, 27.78-28.95 - small filled frac with qtz and c.g. sph. Sharp lower contact with dike @ 85° CA.	27190	27.05	27.55	0.50	0.321	7.3	0.0088	0.137	0.5684
				27191	27.55	28.15	0.60	8.11	113	0.1711	4.63	8.27
34.82	39.59	Dacite Dike	Medium grained, pale green dacite dike, similar to above, 1-2% chloritized ferromag minerals, mag. 40% anhydral plag phenos, upper and lower contacts sharp and @ ~80° and 60° CA respectively	27192	28.15	28.96	0.81	0.06	19.7	0.0343	0.3948	1.57
				27193			Lab Dup	0.106	16.4	0.0344	0.3951	1.65
39.59	97.27	Argillite	Arg, as above, with strong mylonitic texture down to 41.36, below 41.36 the unit is a bedded argillite with cal filled frac, py as stringers and on fracs. carb alteration as frac zones/bx @ 90.90-91.03, sil and hornfels also in descreate intervals @ 41.80-41.92 - sil, 49.08-50.49 - sil/bx, 51.38-53.34 - sil, Po, horn; 54.50-55.55 - sil, 60.75-61.85 sil/horn, 79.75-80.87 - sil. 58.54-57.38 - mylonitic texture with bx. 98.64-100.13 - weak bx with cal veining.									

DDH # DW19-13												
			96.10-97.27 - zone of bx with tr py. The last 38 cm of bx is finer and sil with qtz vns. Dike contact 70° CA									
97.27	98.08	**Dacite Dike**	Fine grained, pale green, aphanitic dacite dike, the dike is frac with tension frac filled with calcite, ~0.5% f.g. ferromag minerals, no phenos, tr py. Lower contact broken, ~70° CA									
98.08	172.21	**Argillite**	Arg, as above, the upper contact with the dike is a breccia, as rubble - 98.08-98.36 then 9 cm of bx with qtz mtx. Below the qtz bx, the unit dominated by mylonitic testures on bedded arg where locally the arg can have tension frac, locally brecciated with cal vnlts and has zones of sil with hornfels.	27194	100.90	101.42	0.52	0.007	1.2	0.0065	0.0074	0.0159
			100.90-101.96 - zone of bx where the mtx/frac have py and po in low angle fracs, cal veining. Sil/hornfels @ 104.37-104.47,	27195			Blk	<0.005	0.6	0.0002	0.0004	0.0009
			105.44-108.30 - bx with cal mtx/frac fill, 107.07-107.29 - fault with healed ground gouge, cal, 113.89-114.52 - sil, hornfels, 114.81-114.94 - qtz vn with po, 114.94-115.32 - sil	27196	101.42	101.96	0.54	0.037	1.7	0.0093	0.0064	0.0238
			116.01-125.71 - sil, hornfel with qtz vn, po.									
			Below 125.71, the unit is mainly bedded arg with descreate zones of sil/horn/po and frac/bx. Sil/horn @ 129.62-132.58, @ 138.93-139.33, @ 140.02-140.22, @ 152.63-152.83, @ 160.92-161.88, @166.58-168.00.	27197	142.87	143.37	0.50	1.044	12.5	0.0134	0.0421	0.2242
			143.37-143.57 - Bx with qtz mtx, 1-2 cm clasts, c.g. py and sph	27198	143.37	143.57	0.20	13.09	202	0.2043	2.38	2.97
				27199	143.57	144.07	0.50	0.012	1.9	0.0131	0.0149	0.0142
			The reminder of the interval has mainly a weak mylonitic texture. but with small un-alterd intervals of bedded arg/mudstone.	27200			STD 3T	2.963	12	0.0081	0.0359	0.0778
			EOH 172.21 m									

2019 Dunwell Diamond Drill Logs

DDH # DW19-14	Core Size: NQ2	Logged by: Jim McCrea		
Azimuth: 35°	Start:	Total depth: 160.63 m		
Dip: -57°	Completion:	Co-ordinate________________________		

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 437	Dip (degrees)									

METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	3.66	Casing										
				27201	26.93	27.43	0.50	<0.005	10.7	0.020	0.237	0.419
3.66	39.28	Argillite	Black f.g. argillite, first 1.5 m is a very broken argillite, pebbles, one pebble of re-drilled dacite dike, the interval has a strong mylonitic texure, fracture surfaces have Fe_ox down to 10.07 m, in the interval veining is ~30% cal. The interval has small qtz vns with Po (@22.02 m), cal filled en echelon frac @ 30° CA, small vein bx (3-5 cm) in arg with cal mtx, and small zone of sil (@ 30.15-30.36, @34.93-37.72). Lower contact with the dike is sharp @ ~40° CA.	27202	27.43	28.23	0.80	8.924	161	0.309	0.000	0.000
			27,43-28.23 - a series of veins/frac @ ~80° CA with c.g. py, sph and gal, bx	27203	28.23	28.73	0.50	0.422	4.3	0.012	0.070	0.173
39.28	43.57	Dacite Dike	pale green, m. g. dacite dyke with anhydral plag. phenos making up 30% of the unit, ~0.5 % ferromag minerals altered to chl. Lower contact area, 43.11-43.57 is a bx with a cal mtx. contact with arg sharp @ ~80° CA.									
43.57	47.16	Argillite	Arg, as above, bedded Arg, the upper contact with the dike is frac with cal vnlts. the unit between the dikes is quite frac with cal filling. Lower contact, 46.88-47.16, is a bx with cal mtx, contact with dike @ 40° CA.									
47.16	48.05	Dacite Dike	Medium grained, pale green dacite dike, similar to above, 1-2% chloritized ferromag minerals, mag. 30% anhydral plag phenos, lower contact sharp @ ~80° CA. The interval shows some bx with cal vnlts. The lower 20 cm is breccia with partial cal mtx.									
48.05	48.32	Argillite	Arg, as above, 27 cm interval of bedded arg in the dike									
48.32	50.42	Dacite Dike	Dacite, as above, more competent, less frac. Lower contact is sharp @ 80° CA									

DDH # DW19-14												
50.42	92.73	**Argillite**	Arg, as above, with weak patchy mylonitic texture on a bedded argillite with cal vntls, sil and hornfels with Po, in descreate intervals @ 51.11-58.36 - si and hornl, 58.72-61.24 - intense sil/vn, horn with Po, 63.58-64.64 - sil, Po, horn, 71.50-73.34 - sil, horn, 75.02-78.70 - sil, horn, Po, 78.70-79.02 - cal vn, 79.02-80.63 - sil/horn, 81.40-82.90 - sil.									
				27204	97.57	98.32	0.75	0.037	2.8	0.0027	0.0072	0.0222
92.73	98.32	**Dacite Dike**	Fine grained, black, aphanitic andesitic dacite dike, the dike is frac with calcite vnlts containing c.g. py, locally to 1-2% in fracture zones,no phenos. Lower contact brecciated, ~70° CA	27205	98.32	99.07	0.75	2.238	43.4	0.0047	0.1942	0.0619
				27206	99.07	99.86	0.79	12.87	22.8	0.0125	0.2196	0.158
98.32	143.67	**Argillite**	Arg, as above, upper contact with the dike to a breccia/qtz breccia, 98.32-99.86 with coarse grained py in blebs and along frac, the interval has 15-20% py, the bx has a cal mtx; below the inteval the unit is frac, and locally brecciated with tension frac, cal vnlts and has zones of sil with hornfels and Po. Zones of sil: 105.29-105.72, 106.43-108.15, 108.81-116.55 - with Po, 118.76-129.95.	27207	99.86	100.36	0.50	0.031	7.5	0.0069	0.1734	0.3996
			127.30-142.75 - mylonitic textures with qtz veining; 142.75-143.67 - zone of brecciation, with sil, py, sph, po. Interval is 30% sulphides, 143.33 fault gouge,	27208	142.25	142.75	0.50	0.047	2	0.0093	0.0217	0.0267
				27209	142.75	143.67	0.92	3.383	65.6	0.1164	0.00000121	0.0000127
143.67	144.10	**Dacite Dike**	Dark green to gray, aphanitic dacite dike, frac and broken, f.g. plag phenos - 30%, upper contact ~50° CA and lower contact 70° CA, cal vnlts with anhydral py.	27210	143.67	144.10	0.43	0.071	7.2	0.0218	0.2112	0.5101
				27211	144.10	144.70	0.60	6.853	34.8	0.1417	0.4462	0.00001019
144.10	160.63	**Argillite**	Arg, as above, upper contact with the dike, 144.10-144.25, is a breccia with arg clasts and a massive sulphide matrix of sph and py, below the Interval is mainly a bedded arg with frac and veining, weak patchy mylonitic texture, small bxs @ 145.04-145.14, 149.88-150.34.	27212			dup	0.017	1.9	0.0076	0.0171	0.0556
				27213	144.70	145.50	0.80	0.021	1.9	0.0088	0.0135	0.0759
				27214	145.50	146.10	0.60	0.009	1.7	0.011	0.0123	0.1421
				27215			Blk	<0.005	0.4	0.0002	#VALUE!	0.0004
				27216	146.10	146.88	0.78	0.041	2.3	0.0118	0.0273	0.2793
				27217	146.88	147.38	0.50	9.403	264	0.528	0.00000521	0.0000209
				27218	147.38	147.88	0.50	0.097	2.5	0.0127	0.0103	0.0385
				27219	157.46	157.76	0.30	0.011	1.5	0.0054	0.0075	0.0833
			157.46-157.64 - bx with qtz mtx, f.g. py.	27220			STD 4F	3.852	19.1	0.034	0.0225	0.0135
			The reminder of the interval is bedded arg/mudstone with cal filled frac.									
			EOH 160.63 m									

2019 Dunwell Diamond Drill Logs

DDH # DW19-15	**Core Size: NQ2**	**Logged by: Jim McCrea**
Azimuth: 180°	**Start:**	**Total depth: 239.88 m**
Dip: -55°	**Completion:**	**Co-ordinate**________________________

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 437	**Dip (degrees)**									

METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	3.66	**Casing**										
3.66	8.89	**Argillite**	Black f.g. argillite, bedded, fracture surfaces have Fe_ox @ ~40° CA. Interval has small cal veins @ ~70° CA. Lower contact with the dike is sharp @ 40° CA.									
8.89	12.23	**Dacite Dike**	Pale green, c. g. dacite dyke with anhydral plag. phenos making up 40% of the unit, ~1-3 % ferromag minerals, including pyx, altered to chl, mag. Lower contact is sharp and irregular @ ~40° CA.									
12.23	23.12	**Argillite**	Arg, as above, the interval starts as bedded arg then grades quickly into a strong mylonitic texture with vns and small bxs, 19.80-21.90 - strong mylonitic texture, 21.90-23.02 - bx with mylonitic texture, last 10 cm bx and gouge. Lower contact with dike @ 30° CA.									
23.12	24.30	**Dacite Dike**	Medium to coarse grained, pale green dacite dike, similar to above, 0.5 % chloritized ferromag minerals, mag. 30% anhydral plag phenos, lower contact sharp @ ~40° CA.									
24.30	29.17	**Argillite**	Arg, as above, the interval, again, starts as bedded arg then grades quickly into a strong mylonitic texture with vns and small bxs, 26.69-29.13 - strong mylonitic texture. Lower contact with dike @ 45° CA.	27221	28.63	29.13	0.50	0.007	2.8	0.012	0.119	0.102
			29.13-29.17 - qtz vein with small bx frags, c.g. py and sph	27222	29.13	29.65	0.52	0.35	16.1	0.019	0.385	0.000
				27223	29.65	30.25	0.60	0.609	21.3	0.025	0.535	0.000

DDH # DW19-15												
29.17	29.65	**Dacite Dike**	Pale green, fine grained, dacite dike, the dike is frac and weakly brecciated with quartz/calcite vnlts containing c.g. py, and sph, ~0.5% ferromag minerals, plag phenos. The dike is 5-10% sulphides. Lower contact ~70° CA with sph stringer.	27224	30.25	30.85	0.60	<0.005	1.8	0.008	0.003	0.010
				27225	30.85	31.45	0.60	<0.005	0.6	0.006	0.002	0.006
29.65	44.22	**Argillite**	Arg, as above, with a strong mylonitic texture, upper contact area, 29.65-31.45, with the dike has small qtz veins with coarse grained py and sph and along frac. Below the inteval the unit has mainly mylonitic texture on bedded arg with small frac related zone of sil. The last 4 m before the dike is bedded arg and one 40 cm zone of sil/horn. Lower contact sharp @ 40° CA.									
44.22	49.98	**Dacite Dike**	Pale green, m. to c. g. dacite dyke with anhydral plag. phenos making up 40% of the unit, ~1-3 % ferromag minerals, including pyx, altered to chl, mag. Lower contact is sharp and irregular @ ~30° CA.	27226	51.87	52.37	0.50	<0.005	3.4	0.013	0.068	0.095
				27227	52.37	52.87	0.50	0.823	138	0.112	0.000	0.000
49.98	100.90	**Argillite**	Arg, as above, with low angle frac, 10-30° CA, along bedding (?), cal veins on frac, carb alt with +/- bio @ 53.21-55.02, 57.04-57.79, 81.94-83.03, 92.54-95.55. Sil/horn with Po @ 69.19-74.65 including a qtz vn @70.67-71.25. Sil/horn @ 80.26-80.94, 81.94-83.03, 88.56-90.67, 92.14-95.55 and 99.62-100.50 - bx and carb alt.	27228	52.87	53.37	0.50	<0.005	3.8	0.012	0.064	0.096
			52.37-52.87 - series of qtz vns with c.g. py, sph and gal @ ~30° CA, interval is 30% sulphides	27229	60.15	60.89	0.74	0.926	13.4	0.024	0.318	0.665
			60.67-60.89 - bx, sulphides in frac - 30° CA, filled with sph and py, interval is 15% sulphides	27230	60.89	61.42	0.53	0.685	21	0.028	0.435	0.000
			100.50-100.90 - zone of carb alt before the dike contact.	27231	61.42	61.92	0.50	<0.005	5.7	0.031	0.072	0.283
				27232			Lab dup	<0.005	5.7	0.032	0.073	0.299
				27233	63.60	64.10	0.50	<0.005	1.3	0.008	0.004	0.024
				27234	100.40	100.90	0.50	<0.005	0.8	0.002	0.004	0.009
100.90	102.08	**Qtz Breccia**	Quartz breccia, with sub angular to sub rounded clasts of arg to sil arg. The breccia contains c.g. py and sph. The bx has bands of sil fault gouge with angular arg clasts and clasts of sil gouge that are mostly py. Contacts in the breccia range from 35-45° CA	27235			Blk	<0.005	0.4	0.000	0.000	0.001
				27236	100.90	101.49	0.59	7.156	1248	0.030	0.185	0.239

DDH # DW19-15

102.08	148.79	**Argillite**	Arg, as above, 102.08-109.88 - area below the bx with localized wk breccia, qtz/cal vns or frac wth c.g. py, sph. vns/frac @ 25 or 40° CA. Below the interval the amount of veining and frac with py deminishes and the unit grades into mainly bedded arg.	27237	101.49	102.08	0.59	9.733	490	0.037	0.187	0.000
			109.88-148.79 - the arg in this interval is predominately bedded arg with heal frac (cal), variable mylonitic texture and zones of sil/horn with Po. Sil/horn/Po @ 114.67-115.83, 116.44-117.08, 118.77-123.80, 124.25-125.81 - mylonitic, 125.81-125.92 - qtz carb vein - cream colored, 125.92-127.52, 129.37-130.51, 133.32-133.67, 135.56-139.79, 140.28-141.16, 142.69-143.91, 145.77-147.80, 148.06-148.37.	27238	102.08	102.78	0.70	0.552	49.2	0.039	0.164	0.532
				27239	102.78	103.48	0.70	0.659	24.5	0.010	0.047	0.273
148.79	149.47	**Dacite Dike**	Fine grained, aphinatic dacite dike, dk gy, no phenos, cal filled frac. Contacts at 30-40° CA and slightly broken.	27240			STD 3T	2.983	12.8	0.008	0.041	0.081
				27241	103.48	104.18	0.70	0.203	7.7	0.011	0.030	0.056
149.47	211.05	**Argillite**	Arg, as above, with a strong brittle frac pattern/weak bx filled w/ cal (149.47-151.64), sil arg w/ ser (151.64-152.09), bx w/ qtz mtx, sub rounded arg clasts, c.g. py and sph (152.09-152.70).	27242	104.18	104.88	0.70	0.118	11.3	0.030	0.036	0.102
			152.70-211.05 - the interval contains zones of sil/horn w/ qtz veining and Po. Locally there are small bx's and brittle frac patterns. Zones of sil/horn @ 154.05-155.80, 162.60-166.16, 166.66-166.98, 169.77-175.38, 176.13-183.96, 185.85-186.97, 188.27-188.70, 189.30-190.00, 191.11-191.30, 191.75-192.33, 193.13-193.86, 195.90-197.30, 197.59-197.90, 198.48-200.34, 206.55-208.97.	27243	104.88	105.63	0.75	0.005	1.3	0.004	0.003	0.013
				27244	105.63	106.36	0.73	0.178	17.5	0.047	0.011	0.084
211.05	213.10	**Dacite Dike**	Pale green, medium to coarse grained dacite dike, 25-30% plag phenos, 0.5% chloritized ferromag minerals, slight fracturing. Upper and lower contacts @ 60° and 45° respectively.	27245	106.36	107.21	0.85	0.006	0.7	0.008	0.002	0.011
				27246	107.21	108.00	0.79	0.051	2.6	0.010	0.011	0.019
213.10	239.88	**Argillite**	Arg, as above, with zones of alt and sil/horn +/- Po. Zones sil @ 214.42-215.10, 215.70-216.94, 218.66-221.32 - v. broken with cal veining, 221.82-222.13 - cal vein and carb alt, 225.22-228.37 - sil and carb veining (@ 10-15° CA), 229.20-230.09, 230.57-231.12, 236.85-237.41, 237.62-239.39 - sil and low angle carb veins.	27247	108.00	108.85	0.85	0.31	9.6	0.012	0.053	0.063
				27248	108.85	109.85	1.00	0.011	7.4	0.023	0.027	0.051
				27249	109.85	110.85	1.00	0.177	2.4	0.009	0.013	0.036

DDH # DW19-15												
				27250	110.85	111.86	1.01	0.013	1.1	0.011	0.001	0.006
				27251	111.86	112.85	0.99	0.052	3.1	0.009	0.008	0.030
				27252			Dup	0.077	3.8	0.010	0.009	0.030
				27253	151.14	151.64	0.50	0.044	5.5	0.007	0.032	0.044
				27254	151.64	152.09	0.45	0.137	9	0.007	0.022	0.070
				27255			Blk	<0.005	0.4	0.000	<0.001	0.000
				27256	152.09	152.59	0.50	32.23	472	0.008	0.134	0.372
				27257	152.59	153.09	0.50	0.285	4.8	0.005	0.012	0.021
			EOH 239.88 m									

AMERICAN CREEK RESOURCES LTD.

2019 Dunwell Diamond Drill Logs

DDH # DW19-16	Core Size: NQ2	Logged by: Jim McCrea
Azimuth: 275°	Start:	Total depth: 139.29 m
Dip: -60°	Completion:	Co-ordinate__________________________

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 437	Dip (degrees)									

METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	3.66	**Casing**										
				27258	44.55	45.11	0.56	0.01	2.9	0.0234	0.0147	0.0119
3.66	139.29	**Argillite**	Black f.g. argillite, mainly bedded, v. weakly altered, fracture surfaces have Fe_ox @ ~20-30° CA down to 10.10 m. The first 1.5 m is represented by 20 cm of fragments in the core box and below that the unit is very broken down to 7.5 m. The interval has qtz/cal veinlets @ ~20-25° CA and weak, patchy, mylonitic textures.	27259	45.11	45.81	0.70	11.26	144	0.2076	6.55	6.01
				27260			STD 4F	3.885	20.3	0.0336	0.0228	0.0139
			44.11-45.81 - filled fracture with c.g. py and sph, massive sulphide, width of vn 4-4.5 cm, ~20° CA	27261	45.81	46.37	0.56	0.022	6.3	0.0075	0.1061	0.1639
			69.33-75.07 - low angle frac, some appear like tension frac, with f. to m. g. py and c.g. py on frac @ 35-40° and 70° CA, frac fill is cal. py 1-3%									
			75.07-75.89 - bx with angular arg clasts and a semi-massive sulphide mtx, c.g. sph, gal and py. The interval contains ~30% semi-massive sulphide and where the remainder is large filled frac w/ py/sph. Upper contact @ 70° CA and lower contact @ 20-25° CA.	27262	74.57	75.07	0.50	0.259	10.2	0.0286	0.2475	0.21
			75.89-76.21 - cal vn, ~20° CA	27263	75.07	75.89	0.82	8.4	104	0.2056	2.83	20.48
			76.21-78.68- bx, as above, banded - sph/py, in en echalon filled fracs were some internal contacts have low angles 10-15° CA. Lower contact @ 15-20° CA	27264	75.89	76.21	0.32	0.01	1.5	0.0006	0.0332	0.0495
			78.68-91.50 - similar to 69.33-75.07, low angle frac with m. to c. g. py and cal. py 1-3%	27265	76.21	77.01	0.80	16.18	109	0.3006	2.22	34.65
				27266	77.01	77.85	0.84	8.005	82.7	0.2801	0.902	11.28

DDH # DW19-16												
			The reminder of the interval shows some bedding in the arg/mudstone, with qtx/cal filled frac @ 20-25° CA and a second set of frac @ 70° CA. Some py in the the lower part of the interval, tr Po, but no other sulphides noted. Small bxs 10-15 cm, in the interval, with cal mtx.	27267	77.85	78.68	0.83	6.492	94	0.1859	1.83	19.81
				27268	78.68	79.18	0.50	0.208	19.7	0.0649	0.7463	1.42
			EOH 139.29 m									

2019 Dunwell Diamond Drill Logs

DDH # DW19-17	**Core Size: NQ2**	**Logged by: Jim McCrea**
Azimuth: 275°	**Start:**	**Total depth: 81.38 m**
Dip: -50°	**Completion:**	**Co-ordinate__________________________**

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 437	**Dip (degrees)**									

METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	3.66	**Casing**										
3.66	81.38	**Argillite**	Black f.g. argillite, some bedding visable, v. weakly altered, fracture surfaces have Fe_ox @ ~45-70° CA down to 14.33 m. The unit is quite broken. The interval has qtz or cal filled frac or veinlets at low angles to the core axis (~5-20° CA) and weak, patchy, mylonitic textures. Frac or veinlets are a few mm to 2 cm. Frac faces have traces of pyrite as anhydral, m.g. crystals. Some qtz vnlts have Po, no other sulphides seen in the hole.									
			17.37 - frac w/ py, c.g., frac @ 40° CA.									
			61.51-61.65 - vnlts @ 20° CA, with f.g. py, vnlts a									
			63.02-63.36 - cal vnlts @ 30-40° CA									
			Remainder of the hole has the qtz w/ Po and cal vnlts, small intervals w/ tension frac and small vein bx w/ qtz mtx. Frac orientations range from 10-25° and another set @ 70° CA.									
			EOH 81.38 m									

2019 Dunwell Diamond Drill Logs

DDH # DW19-18	**Core Size: NQ2**	**Logged by: Jim McCrea**
Azimuth: 275°	**Start:**	**Total depth: 105.77 m**
Dip: -70°	**Completion:**	**Co-ordinate**__________________________

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 437	**Dip (degrees)**									

METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	3.66	**Casing**										
3.66	90.08	**Argillite**	Black f.g. argillite, bedding visable, v. weakly altered, fracture surfaces have Fe_ox down to 7.28 m. The unit is broken up down to 35.66m, the first 1.52m (3.66-5.18) is represented by 9 cm of core in the box . Below 5.18, to 7.87m, the unit is very broken, in small pieces, <1-5 cm. The interval has qtz or cal filled frac or veinlets at low angles to the core axis (~15-30° CA) and weak, patchy, mylonitic textures. Frac or veinlets are a few mm in with to 2 cm and in places follow bedding. Frac faces have occasional traces of m.g. anhydral pyrite crystals. In the interval are small sections of bx w/ qtz or cal. There are occasional frac at very low angles to the CA (<5-10°).									
			34.40-34.75 - lithified fault gouge with rounded arg clasts. Contacts @ 20-25° CA									
			38.17-39.22 - qtz bx w/ c.g. py an sph. Breccia contacts @ <29° CA. Interval ~30% sulphides.	27269	37.67	38.17	0.50	0.168	8.3	0.0692	0.0396	0.2753
			57.17-57.64 and 59.99-61.03 - cal vein at low angle to CA. <10° and ~5° to CA respectively. Vein width - 1-3 cm.	27270	38.17	38.79	0.62	0.552	20.3	0.1576	0.1894	0.3825
			Hole deviation, in the lower part of the hole, 61.00-90.08m, has most of the vnlts at high angles to the CA.	27271	38.79	39.22	0.43	15.3	185	2.874	2.87	14.47
90.08	90.76	**Dacite Dike**	Fine grained, aphinatic dacite dike, lt gy-greenish, no plag phenos, f.g. ferromag minerals ~0.5%, cal filled frac. Contacts at 30-40° CA and unit slightly frac.	27272	39.22	39.72	0.50	0.044	11.3	0.0272	0.2388	0.1624
				27273			Lab Dup	0.040	11.7	0.0281	0.2913	0.1786
90.76	105.77	**Argillite**	Arg, as above, w/ frac at high angle to CA, tr py.									
			EOH 105.77 m									

2019 Dunwell Diamond Drill Logs

DDH # DW19-19	**Core Size: NQ2**	**Logged by: Jim McCrea**
Azimuth: 270°	**Start:**	**Total depth: 90.53 m**
Dip: -60°	**Completion:**	**Co-ordinate**___________________________

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 437	**Dip (degrees)**									

METERAGE		**ROCK TYPE**	**ROCK, ALTERATION, MINERALIZATION**	**SAMPLE INTERVAL(meters)**				**ASSAY/GEOCHEM**				
FROM	**TO**		**STRUCTURE DESCRIPTION**	**Sple No.**	**FROM**	**TO**	**Width**	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	3.66	**Casing**										
				27274	34.37	34.87	0.50	<0.005	5.9	0.0059	0.0224	0.0118
3.66	90.53	**Argillite**	Black f.g. argillite, bedding visable, v. weakly altered, fracture surfaces have Fe_ox down to 9.79 m with the last 1.8 m as rusty gouge in a low-angle frac (~10° CA). The unit is blocky down to 23.13. 17.80-23.13 - the unit is very broken. The interval has qtz or cal filled frac or veinlets at low angles to the core axis (~5-40° CA) and weak, patchy, mylonitic textures. Frac or veinlets are a few mm in with to 2 cm and in places follow bedding. Frac faces have occasional traces of m.g. anhydral pyrite crystals. In the interval are small sections of bx w/ qtz or cal mtx related to low-angle frac. There are occasional frac at very low angles to the CA (<5-10°).	27275			Blk	<0.005	1.4	0.0002	<0.001	0.0002
			34.87-36.04 - breccia vein with c.g. sulphides, sph and py. Vein width appears to be ~ 2 cm, but at a low angle to the core axis, contact @ <5-5° CA	27276	34.87	36.04	1.17	3.332	27.9	0.0478	0.9858	2.58
			36.54-49.75 - interval with low angle filled frac, ~5-7° CA	27277	36.04	36.54	0.50	0.014	5.5	0.0087	0.1293	0.0851
			69.20-73.48 - low-anle filled frac.	27278	75.21	75.71	0.50	0.054	8.1	0.0137	0.2935	0.6782
			75.71-78.10 - series of vns and frac with galena (75.71-75.83 @ ~40° CA) or c.g. py and sph (77.13-78.10 @ <5° CA)	27279	75.71	76.61	0.90	6.572	338	0.1764	14.15	2.59
			Remainder of the hole is arg w/ graphite, w/ filled frac (mostly cal) with py @ 5-10° CA.	27280			STD 3T	2.964	12.8	0.0079	0.0414	0.0786
				27281	76.61	77.13	0.52	2.975	31.8	0.1278	0.8998	4.57
				27282	77.13	78.10	0.97	0.534	17.8	0.0444	0.3886	2.83
			EOH 90.53 m	27283	78.10	78.60	0.50	0.076	7	0.0088	0.2033	0.2674

2019 Dunwell Diamond Drill Logs

DDH # DW19-20	**Core Size: NQ2**	**Logged by: Jim McCrea**
Azimuth: 80°	**Start:**	**Total depth: 150.27 m**
Dip: -45°	**Completion:**	**Co-ordinate**__________________________

Reflex Survey										
	Depth (m)									
	Azimuth (degrees)									
Elevation: 437	**Dip (degrees)**									

METERAGE		**ROCK TYPE**	**ROCK, ALTERATION, MINERALIZATION**	**SAMPLE INTERVAL(meters)**				**ASSAY/GEOCHEM**				
FROM	**TO**		**STRUCTURE DESCRIPTION**	**Sple No.**	**FROM**	**TO**	**Width**	Au g/t	Ag g/t	Cu %	Pb %	Zn %
0.00	3.66	**Casing**										
				27284	44.91	45.41	0.50	<0.005	3.8	0.011	0.060	0.116
3.66	150.27	**Argillite**	Black f.g. argillite, bedded, locally altered w/ sil, hornfels (brown coloration from biotite/K metasomatisum), and qtz veins with Po; in sections the sil/horn is intense. Fracture surfaces have Fe_ox down to 8.23 m and on large frac faces/faults to 11.28. The interval has qtz or cal filled frac or veinlets @ 35-40° CA and sections dominated by mylonitic textures. Frac or veinlets are a few mm in with to 2 cm and in places follow bedding. Frac faces have occasional traces of m.g. anhydral pyrite crystals. In the interval are small sections of bx zones of intense sil/hornfels w/ qtz vns and po.	27285	45.41	46.51	1.10	0.151	22.1	0.028	0.367	2.110
			11.28-17.53 - moderate to intense sil and horn w/ vnlts @ 35-40° CA; 17.53-25.23 - arg with small zones of sil; 25.23-28.04 - weak sil; 28.04-30.37 - intense sil w/ horn and po.	27286	46.51	47.01	0.50	0.061	5.7	0.020	0.101	0.400
			31.03-31.49 - zone of sil; 3149-32.93 - mod sil and horn; 32.93-33.81 - sil, qtz vn, 39.58-41.99 - sil/vning;									
			44.60-46.97 zone of breccia, where 43.41-46.51 has c.g. py and sph in the. bx mtx.									
			53.40 - drill hole crosses the axial plane									
			48.33-50.82 - sil/vning									
			54.79-57.82 - zone of strong sil w/ mylonitic textures; 61.69-63.94 - zone sil/horn with po and a 1.5 cm vn with gal and sph @ 62.30-62.32; 65.39-65.92 - sil/horn w/ po; 66.53-69.31- strong sil/horn with po; 74.89-75.03 - small vn with horn.	27287	61.95	62.35	0.40	0.285	23.2	0.015	0.778	0.936
			76.09-78.31 1 zone breccia w/ qtz/carb mtx and sil; 88.25-90.80 - breccia w/ weak horn; 91.89-92.63 - sil/horn with po; 93.06-93.17 - carb vn, 9 cm @ 40° CA; 94.33-97.35 - sil; 100.39-101.86 - sil/horn and mylonitic texture; 104.77-105.35 - strong sil; 105.73-106.32 - st sil; 107.79-111.84 - sil/horn; 116.86-120.98 - sil/horn.	27288	121.01	121.45	0.44	1.669	27.5	0.007	0.034	0.082

DDH # DW19-20												
			121.12-121.34 - breccia with qtz mtx and c.g. py, sph.									
			Remainder of the hole is altered with sil and hornfels down to 147.37 and below that is graphitic arg with little alteration.									
			EOH 150.27 m									

APPENDIX II

Certificates of Analyses

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910204**

Project Name:	Dunwell
Job Received Date:	30-Aug-2019
Job Report Date:	20-Sep-2019
Number of Samples:	114
Report Version:	Final

COMMENTS:

Test results reported relate to the tested samples only on an "as received" basis. Unless otherwise stated above, sufficient sample was received for the methods requested and all samples were received in acceptable condition. Analytical results in unsigned reports marked "provisional" are subject to change, pending final QC review and approval. The customer has not provided any information than can affect the validity of the test results. Please refer to MSALABS' Schedule of Services and Fees for our complete Terms and Conditions. Preliminary results are applicable when a portion of samples in a job is 100% completed and reported or 1 of a number of methods on the same job have been completed 100%. Results cannot change, but additional results or results for additional methods can be added.

SAMPLE PREPARATION	
METHOD CODE	DESCRIPTION
PRP-910	Dry, Crush to 70% passing 2mm, Split 250g, Pulverize to 85% passing 75µm
	Sample preparation performed by MS Analytical Terrace

ANALYTICAL METHODS	
METHOD CODE	DESCRIPTION
FAS-111	Au, Fire Assay, 30g fusion, AAS, Trace Level
ICP-130	Multi-Element, 0.5g, 3:1 Aqua Regia, ICP-AES, Trace Level

Signature:

Yvette Hsi, BSc.
Laboratory Manager
MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910204

Project Name: Dunwell
Job Received Date: 30-Aug-2019
Job Report Date: 20-Sep-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
Granite Blank	QC-P-BK	--		<0.005	<0.2	0.89	<2	<10	63	<0.5	<2	0.66	<0.5
Granite Blank	QC-P-BK	--		<0.005	<0.2	0.95	<2	<10	67	<0.5	<2	0.71	<0.5
B0018601	Core	1.98		1.179	1.3	2.20	71	<10	39	<0.5	20	2.90	0.6
B0018602	Core	2.48		0.009	0.4	2.07	26	<10	75	<0.5	<2	1.14	0.6
B0018603	Core	3.58		0.008	0.4	2.22	6	<10	90	<0.5	3	1.14	0.6
B0018604	Core	2.52		<0.005	0.4	1.81	4	<10	51	<0.5	<2	0.88	<0.5
B0018605	Core	2.48		<0.005	0.4	2.24	3	<10	91	<0.5	<2	1.07	<0.5
B0018606	Core	2.92		0.008	0.6	2.11	6	<10	80	<0.5	<2	1.24	<0.5
B0018607	Core	3.80		0.035	0.8	2.31	38	<10	43	<0.5	<2	4.28	1.3
B0018608	Core	2.90		0.020	0.5	3.75	118	<10	140	0.8	<2	4.64	<0.5
B0018609	Core	4.64		<0.005	0.4	1.92	11	<10	63	<0.5	<2	1.38	0.6
B0018610	Core	2.22		0.005	0.8	2.20	26	<10	39	<0.5	<2	2.01	0.8
B0018611	Core	1.10		0.032	0.6	2.60	12	<10	221	0.6	3	2.82	<0.5
B0018612	Core	1.02		0.027	0.7	2.91	15	<10	249	0.6	2	2.30	<0.5
B0018613	Core	0.70		<0.005	0.4	0.02	<2	<10	14	<0.5	<2	>25	<0.5
B0018614	Core	2.04		0.186	6.9	0.48	252	<10	16	<0.5	7	9.92	64.4
B0018615	Core	2.22		0.007	1.0	0.93	32	<10	303	<0.5	<2	2.35	1.1
B0018616	Core	3.62		0.016	2.8	1.48	50	<10	48	<0.5	<2	5.40	1.0
B0018617	Core	3.66		0.013	1.6	2.12	31	<10	60	<0.5	3	4.21	1.8
B0018618	Core	3.90		0.011	0.8	2.17	42	<10	91	<0.5	<2	1.66	<0.5
B0018619	Core	4.00		0.009	0.5	2.90	14	<10	160	<0.5	<2	2.46	0.8
B0018620	Pulp	0.08		3.199	12.0	1.39	4280	13	154	<0.5	<2	2.65	7.3
B0018621	Core	3.18		0.011	0.7	2.75	25	<10	195	<0.5	<2	2.50	0.6
B0018622	Core	3.86		0.008	0.8	2.21	17	<10	141	<0.5	<2	2.77	<0.5
B0018623	Core	3.70		0.009	0.8	2.91	26	<10	323	<0.5	<2	3.72	1.5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910204

Project Name: Dunwell
Job Received Date: 30-Aug-2019
Job Report Date: 20-Sep-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0018624	Core	1.84		0.007	0.7	2.15	33	<10	202	<0.5	<2	1.33	0.7
B0018625	Core	2.40		<0.005	0.6	2.96	17	<10	292	<0.5	<2	1.53	<0.5
B0018625PD	QC-PD	--		<0.005	0.6	3.00	16	11	312	<0.5	<2	1.47	<0.5
B0018626	Core	2.56		<0.005	0.6	2.37	8	<10	142	<0.5	<2	2.42	<0.5
B0018627	Core	2.14		<0.005	0.4	2.28	11	<10	287	0.6	<2	0.62	<0.5
B0018628	Core	2.26		<0.005	0.5	1.81	47	<10	124	<0.5	<2	0.83	0.9
B0018629	Core	2.22		<0.005	0.6	1.69	15	<10	94	<0.5	<2	0.93	<0.5
B0018630	Core	2.12		<0.005	0.5	2.42	6	<10	196	<0.5	<2	1.85	<0.5
B0018631	Core	2.50		<0.005	0.6	3.42	23	<10	316	0.5	<2	1.54	<0.5
B0018631PD	QC-PD	--		<0.005	0.5	3.40	21	<10	318	0.5	<2	1.54	<0.5
B0018632	Core	1.90		<0.005	0.5	3.36	21	<10	311	<0.5	<2	1.42	<0.5
B0018633	Core	0.60		<0.005	0.3	0.02	<2	<10	10	<0.5	<2	>25	<0.5
B0018634	Core	2.40		<0.005	0.5	3.18	14	<10	174	<0.5	3	2.70	<0.5
B0018635	Core	1.90		<0.005	0.9	2.12	24	<10	105	<0.5	<2	1.37	5.3
B0018636	Core	2.18		<0.005	0.4	1.88	13	<10	133	<0.5	3	1.10	<0.5
B0018637	Core	1.74		0.077	0.9	3.79	468	<10	162	<0.5	<2	2.71	2.3
B0018638	Core	1.68		0.012	1.0	3.71	158	13	172	<0.5	<2	3.05	2.3
B0018639	Core	1.88		0.007	0.7	2.33	53	<10	109	<0.5	<2	2.21	<0.5
B0018640	Pulp	0.08		4.107	19.7	3.34	12	15	98	<0.5	<2	2.24	0.9
B0018641	Core	1.38		0.009	1.1	1.58	50	<10	59	<0.5	<2	2.09	0.7
B0018642	Core	1.56		0.010	1.1	2.33	63	<10	48	<0.5	<2	3.49	1.1
B0018643	Core	1.20		0.016	0.9	3.48	81	12	77	0.8	<2	2.68	<0.5
B0018644	Core	2.30		<0.005	0.6	2.15	29	<10	115	<0.5	2	1.16	<0.5
B0018645	Core	2.24		0.005	0.8	3.59	20	<10	156	0.7	<2	2.50	0.9
B0018646	Core	2.56		<0.005	0.6	2.84	25	<10	158	<0.5	<2	2.27	0.5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910204

Project Name: Dunwell
Job Received Date: 30-Aug-2019
Job Report Date: 20-Sep-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0018647	Core	2.92		0.006	1.0	2.57	10	10	157	<0.5	<2	2.61	1.5
B0018648	Core	1.86		0.008	0.8	3.22	67	<10	230	<0.5	<2	3.32	0.6
B0018649	Core	2.46		0.010	1.0	2.45	17	<10	231	<0.5	<2	1.96	1.3
B0018650	Core	2.54		0.008	0.9	2.55	41	<10	216	<0.5	<2	1.53	0.8
B0018651	Core	1.24		0.006	0.9	2.49	83	<10	262	<0.5	3	1.63	0.8
B0018652	Core	1.02		0.007	0.8	2.65	71	<10	315	<0.5	<2	1.72	0.8
B0018653	Core	2.54		0.010	0.8	4.03	38	<10	274	0.8	<2	2.63	<0.5
B0018654	Core	2.42		0.007	0.9	3.24	33	<10	196	0.7	<2	2.40	0.6
B0018655	Core	2.60		0.026	1.3	3.12	77	<10	84	0.8	<2	2.43	2.6
B0018656	Core	2.66		0.006	0.9	2.11	10	<10	57	0.6	<2	2.81	4.5
B0018657	Core	2.68		<0.005	1.3	1.89	30	<10	98	0.8	2	3.50	7.9
B0018658	Core	2.44		0.059	1.6	2.32	131	<10	48	0.8	2	6.13	28.9
B0018659	Core	2.20		0.009	1.9	2.07	15	<10	94	0.7	2	4.44	6.5
B0018660	Pulp	0.08		2.993	12.7	1.40	4397	11	155	<0.5	<2	2.70	7.1
B0018661	Core	3.40		0.005	1.6	2.10	31	<10	59	0.7	<2	7.97	11.0
B0018662	Core	1.70		<0.005	0.4	2.31	6	<10	104	0.5	<2	4.11	2.0
B0018663	Core	2.48		0.016	1.8	3.03	54	<10	85	0.9	<2	2.94	9.5
B0018664	Core	0.68		<0.005	0.4	0.03	<2	16	10	<0.5	<2	>25	<0.5
B0018665	Core	2.42		0.018	2.1	2.64	74	<10	54	0.9	<2	4.55	15.4
B0018666	Core	2.40		0.026	1.2	3.76	81	<10	153	0.7	<2	2.50	1.0
B0018667	Core	2.30		0.019	1.2	2.05	105	<10	101	<0.5	<2	1.80	2.0
B0018668	Core	2.66		0.030	1.3	3.18	112	<10	115	0.7	<2	2.50	1.7
B0018669	Core	2.72		0.050	0.8	2.82	67	<10	195	<0.5	<2	2.31	1.0
B0018670	Core	2.56		0.024	1.2	2.00	133	<10	63	<0.5	<2	2.61	1.9
B0018671	Core	2.48		0.032	1.3	2.35	201	<10	85	0.6	<2	2.98	6.7

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910204

Project Name: Dunwell
Job Received Date: 30-Aug-2019
Job Report Date: 20-Sep-2019
Report Version: Final

	Sample	PWE-100	Method	FAS-111	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Type	Rec. Wt.	Analyte	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
		kg	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID		0.01	LOR	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5
B0018672	Core	0.02		0.029	1.2	2.49	177	<10	72	0.6	<2	4.26	4.5
B0018673	Core	3.12		0.057	1.1	2.94	106	<10	99	0.7	3	2.94	1.7
B0018674	Core	2.46		0.031	1.5	2.96	299	<10	89	0.6	<2	2.99	1.6
B0018675	Core	2.06		0.026	1.4	2.57	411	<10	63	0.5	3	2.94	2.0
B0018676	Core	2.48		0.021	1.9	2.77	368	<10	71	0.7	<2	2.34	3.9
B0018677	Core	2.42		0.019	1.6	2.21	229	<10	68	0.5	<2	2.27	2.3
B0018678	Core	2.72		0.020	1.6	2.27	304	<10	61	0.5	<2	4.09	3.2
B0018678PD	QC-PD	--		0.019	1.5	2.17	248	<10	52	0.5	<2	3.73	3.0
B0018679	Core	2.40		0.060	1.7	2.31	116	<10	58	0.5	<2	3.77	1.8
B0018680	Pulp	0.08		4.058	19.6	3.21	9	13	98	<0.5	3	2.22	0.9
B0018681	Core	4.18		0.075	1.8	2.64	177	<10	60	0.6	<2	2.25	4.3
B0018682	Core	2.36		0.017	1.8	3.86	119	<10	85	0.8	5	2.76	0.7
B0018683	Core	1.86		0.016	1.4	2.67	195	<10	67	0.6	2	2.15	1.8
B0018684	Core	0.70		<0.005	0.3	0.02	4	<10	10	<0.5	<2	>25	<0.5
B0018685	Core	2.70		0.025	1.9	2.12	149	<10	56	0.5	<2	2.80	4.2
B0018686	Core	2.52		0.015	1.6	1.84	140	<10	55	<0.5	<2	2.21	5.6
B0018687	Core	2.70		0.012	2.1	2.38	158	<10	54	<0.5	3	4.60	9.1
B0018688	Core	2.66		0.028	1.3	2.37	229	11	55	0.6	<2	2.41	2.7
B0018689	Core	2.72		0.018	1.4	3.31	86	<10	60	0.8	<2	3.04	1.3
B0018690	Core	2.66		0.027	1.6	2.75	293	<10	65	0.6	<2	2.81	6.1
B0018691	Core	1.26		0.028	1.9	2.75	178	<10	63	0.6	<2	2.25	5.2
B0018692	Core	1.02		0.029	2.0	2.54	152	<10	63	0.6	<2	2.32	5.9
B0018693	Core	2.80		0.027	2.5	3.49	291	<10	58	0.8	<2	3.07	8.5
B0018694	Core	2.96		0.027	2.1	2.92	170	<10	59	0.6	<2	3.13	5.0
B0018695	Core	2.72		0.030	1.8	2.15	81	<10	59	<0.5	<2	2.85	2.4

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910204**

Project Name: Dunwell
Job Received Date: 30-Aug-2019
Job Report Date: 20-Sep-2019
Report Version: Final

	Sample	PWE-100	Method	FAS-111	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Type	Rec. Wt.	Analyte	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
		kg	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID		0.01	LOR	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5
B0018696	Core	2.26		0.019	1.3	2.63	122	<10	72	0.6	<2	2.50	<0.5
B0018697	Core	2.68		0.036	1.4	3.42	255	<10	110	0.6	<2	2.10	1.6
B0018698	Core	2.80		0.226	1.5	2.21	315	<10	39	<0.5	<2	2.01	1.5
B0018699	Core	2.56		0.026	1.1	2.31	343	<10	53	<0.5	<2	2.24	1.2
B0018700	Pulp	0.08		3.033	11.7	1.35	4339	<10	156	<0.5	2	2.65	7.6
B0018701	Core	2.62		0.039	1.1	3.22	93	16	82	0.6	3	5.78	1.0
B0018702	Core	2.66		0.084	1.5	4.75	37	<10	135	0.7	2	5.11	1.0
B0018703	Core	2.64		0.052	1.5	4.60	60	<10	224	0.7	3	3.08	0.8
B0018704	Core	0.62		<0.005	0.4	0.02	<2	<10	<10	<0.5	<2	>25	<0.5
B0018704PD	QC-PD	--		<0.005	0.5	0.03	<2	<10	11	<0.5	<2	>25	<0.5
B0018705	Core	2.72		0.082	1.8	2.80	163	14	210	<0.5	4	2.43	0.8
B0018706	Core	2.66		0.019	1.4	2.55	117	<10	100	<0.5	<2	5.02	<0.5
B0018707	Core	2.88		0.018	1.4	1.68	99	<10	79	<0.5	<2	2.01	2.3
B0018708	Core	2.72		0.031	3.1	2.55	132	<10	79	<0.5	<2	2.50	8.4
B0018709	Core	2.42		0.022	1.8	1.77	75	<10	67	<0.5	3	1.93	2.2
B0018710	Core	2.44		0.021	1.8	1.57	55	<10	80	<0.5	<2	1.85	0.8
B0018711	Core	2.40		0.021	1.8	2.55	159	<10	118	0.5	<2	1.70	<0.5
B0018712	Core	0.02		0.019	1.8	2.56	156	<10	115	0.5	<2	1.72	<0.5
B0018713	Core	3.54		0.029	3.9	1.87	330	<10	45	<0.5	3	2.22	7.4
B0018951	Core	2.44		0.006	0.6	2.07	4	<10	67	<0.5	2	3.46	0.6
DUP B0018682				0.018									
DUP B0018694				0.032									
DUP B0018706				0.022									
DUP B0018616					2.7	1.44	48	<10	47	<0.5	<2	5.26	0.9
DUP B0018642					1.0	2.36	65	<10	49	<0.5	<2	3.57	1.1

***Please refer to the cover page for comments regarding this test report. ***

MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910204**

Project Name: Dunwell
Job Received Date: 30-Aug-2019
Job Report Date: 20-Sep-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
DUP B0018704					0.5	0.02	<2	<10	<10	<0.5	<2	>25	<0.5
STD BLANK				<0.005									
STD BLANK				<0.005									
STD BLANK				<0.005									
STD BLANK					<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5
STD BLANK					<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5
STD BLANK					<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5
STD OxG124				0.916									
STD OxA131				0.071									
STD OxJ120				2.308									
STD OREAS 24b					<0.2	3.23	6	<10	143	1.5	3	0.46	<0.5
STD OREAS 601					49.9	0.79	312	<10	151	0.6	21	1.08	8.2
STD OREAS 601					49.8	0.86	322	<10	215	0.7	20	1.06	7.9

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910204

Project Name: Dunwell
Job Received Date: 30-Aug-2019
Job Report Date: 20-Sep-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
Granite Blank	4	85	8	1.77	<10	<1	0.11	<10	0.46	463	3	0.11	4
Granite Blank	4	59	7	1.85	<10	<1	0.11	<10	0.49	496	2	0.12	3
B0018601	9	42	57	1.96	<10	<1	0.18	<10	0.80	504	9	0.12	26
B0018602	7	29	46	2.46	11	<1	0.43	<10	1.13	304	10	0.25	9
B0018603	7	18	30	2.87	11	<1	0.49	<10	1.13	282	2	0.25	3
B0018604	6	18	31	2.55	10	1	0.47	<10	0.89	333	4	0.16	3
B0018605	7	17	56	3.10	11	<1	0.59	<10	0.96	365	3	0.26	3
B0018606	8	16	70	3.07	11	<1	0.39	<10	0.86	386	3	0.25	3
B0018607	7	33	37	1.98	<10	<1	0.21	<10	0.78	584	3	0.17	11
B0018608	10	46	57	2.26	14	<1	0.51	<10	0.76	395	3	0.34	29
B0018609	8	17	69	3.08	11	<1	0.31	<10	0.85	285	3	0.15	2
B0018610	8	23	162	2.53	10	<1	0.15	<10	0.81	314	4	0.29	7
B0018611	14	85	104	3.87	14	<1	0.47	<10	1.59	574	2	0.20	31
B0018612	15	100	84	3.86	14	<1	0.60	<10	1.80	566	3	0.23	34
B0018613	<1	4	2	0.10	<10	<1	0.01	<10	1.37	115	<1	0.01	<1
B0018614	13	46	160	3.18	<10	<1	0.12	<10	0.41	3774	34	0.01	40
B0018615	9	91	61	2.27	<10	<1	0.13	<10	0.71	541	5	0.12	64
B0018616	9	77	84	2.76	<10	<1	0.10	<10	0.76	487	13	0.15	102
B0018617	12	88	88	2.93	<10	<1	0.16	<10	0.70	637	7	0.27	79
B0018618	12	70	82	3.29	11	<1	0.25	<10	1.26	417	5	0.23	55
B0018619	12	59	70	3.87	12	<1	0.33	<10	1.91	593	3	0.21	36
B0018620	12	26	80	8.60	14	1	0.23	<10	0.87	422	5	0.03	30
B0018621	13	92	91	3.22	11	<1	0.43	<10	0.91	431	4	0.32	61
B0018622	11	70	80	3.07	<10	<1	0.22	<10	1.01	531	5	0.22	50
B0018623	14	43	73	4.03	15	<1	0.35	<10	1.56	1519	2	0.20	23

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910204

Project Name: Dunwell
Job Received Date: 30-Aug-2019
Job Report Date: 20-Sep-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
B0018624	14	65	82	3.73	13	<1	0.24	<10	1.41	392	4	0.20	37
B0018625	12	65	56	3.25	12	<1	0.55	<10	1.26	442	2	0.33	35
B0018625PD	13	62	60	3.47	13	<1	0.59	<10	1.34	456	2	0.33	35
B0018626	8	62	53	2.22	10	<1	0.35	<10	0.86	452	2	0.26	32
B0018627	13	69	45	2.92	12	<1	0.61	<10	1.65	439	1	0.15	34
B0018628	9	46	47	2.71	11	<1	0.37	<10	1.43	555	<1	0.11	20
B0018629	11	61	45	2.77	12	<1	0.27	<10	1.35	535	<1	0.11	33
B0018630	8	69	47	2.53	11	<1	0.62	<10	1.30	368	<1	0.19	31
B0018631	15	70	78	3.48	14	<1	0.78	<10	1.64	439	<1	0.24	49
B0018631PD	15	67	80	3.46	14	<1	0.78	<10	1.63	424	<1	0.23	48
B0018632	15	66	78	3.47	14	<1	0.78	<10	1.64	426	<1	0.23	48
B0018633	<1	3	1	0.08	<10	<1	<0.01	<10	0.90	107	<1	0.01	<1
B0018634	9	51	43	2.94	13	<1	0.51	<10	1.59	623	1	0.29	30
B0018635	10	59	43	2.59	10	<1	0.36	<10	1.34	678	1	0.18	24
B0018636	9	37	35	2.66	12	1	0.32	<10	1.39	556	<1	0.15	17
B0018637	30	105	84	6.05	17	<1	0.28	<10	2.66	989	<1	0.33	52
B0018638	25	116	91	5.71	18	<1	0.60	<10	2.62	1125	<1	0.30	53
B0018639	13	68	51	2.61	12	1	0.30	<10	1.06	542	2	0.28	33
B0018640	18	156	343	3.34	11	<1	0.19	<10	1.72	466	6	0.37	178
B0018641	14	59	77	2.93	<10	<1	0.22	<10	1.14	868	1	0.11	34
B0018642	11	91	85	3.19	11	1	0.17	<10	1.13	1074	4	0.22	48
B0018643	13	115	92	2.95	13	<1	0.26	<10	0.79	396	5	0.48	55
B0018644	13	122	71	2.69	11	<1	0.58	<10	1.28	478	2	0.23	34
B0018645	12	115	80	3.24	14	<1	0.57	<10	1.32	598	4	0.45	41
B0018646	14	101	62	3.41	12	<1	0.40	<10	1.22	555	2	0.35	29

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910204

Project Name: Dunwell
Job Received Date: 30-Aug-2019
Job Report Date: 20-Sep-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
B0018647	14	100	99	3.61	12	<1	0.37	<10	1.13	620	2	0.30	38
B0018648	18	149	105	3.33	13	<1	0.34	<10	1.22	456	2	0.31	83
B0018649	13	130	96	3.45	11	<1	0.44	<10	1.18	547	2	0.24	53
B0018650	18	208	96	3.22	11	<1	0.45	<10	1.20	369	2	0.34	72
B0018651	18	139	87	3.02	12	1	0.49	<10	1.05	408	2	0.29	76
B0018652	18	172	81	3.09	12	2	0.54	<10	1.22	450	2	0.28	85
B0018653	20	239	85	3.70	15	<1	0.75	<10	2.13	450	2	0.32	106
B0018654	17	155	91	3.40	13	<1	0.46	<10	1.46	492	2	0.28	69
B0018655	11	141	86	3.13	11	<1	0.32	<10	0.76	418	3	0.21	49
B0018656	11	120	93	2.93	10	<1	0.20	<10	0.77	540	11	0.22	54
B0018657	12	135	76	3.11	<10	<1	0.37	<10	1.03	823	81	0.15	125
B0018658	13	168	26	4.25	12	<1	0.36	<10	1.55	3170	11	0.03	188
B0018659	13	93	106	3.42	<10	<1	0.32	<10	1.49	1949	6	0.07	50
B0018660	13	26	81	8.73	16	<1	0.23	<10	0.89	431	4	0.03	30
B0018661	17	108	31	3.64	10	<1	0.19	<10	1.77	2409	18	0.03	108
B0018662	13	66	9	4.45	17	<1	0.24	<10	1.65	1282	3	0.06	20
B0018663	20	195	111	3.89	13	<1	0.30	<10	1.06	429	11	0.24	104
B0018664	<1	5	2	0.05	<10	<1	<0.01	<10	0.50	86	<1	0.01	<1
B0018665	12	171	113	3.49	11	<1	0.21	<10	1.17	700	15	0.23	111
B0018666	19	134	99	4.74	14	<1	0.40	<10	1.55	500	3	0.37	71
B0018667	13	157	92	2.91	<10	<1	0.31	<10	0.61	401	12	0.25	93
B0018668	18	105	99	3.22	11	<1	0.21	<10	0.62	406	11	0.43	71
B0018669	16	104	76	3.03	12	<1	0.47	<10	0.89	530	<1	0.39	57
B0018670	17	126	109	3.36	<10	<1	0.21	<10	1.00	592	2	0.25	92
B0018671	15	136	85	2.92	11	<1	0.25	<10	0.98	621	9	0.27	80

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910204

Project Name: Dunwell
Job Received Date: 30-Aug-2019
Job Report Date: 20-Sep-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
B0018672	15	118	85	2.89	12	<1	0.23	<10	0.94	675	6	0.27	76
B0018673	15	133	100	3.20	13	<1	0.36	<10	0.84	565	2	0.40	88
B0018674	24	129	106	4.19	11	<1	0.28	<10	0.88	501	3	0.42	112
B0018675	18	152	107	3.71	10	<1	0.18	<10	0.56	539	3	0.41	85
B0018676	14	175	94	3.23	11	<1	0.20	<10	0.39	387	2	0.42	80
B0018677	14	145	92	3.26	10	<1	0.17	<10	0.27	292	3	0.34	78
B0018678	14	152	97	3.11	11	<1	0.14	<10	0.42	537	8	0.29	80
B0018678PD	12	143	93	3.02	<10	<1	0.12	<10	0.38	494	8	0.29	74
B0018679	14	131	92	2.99	<10	<1	0.16	<10	0.37	484	4	0.35	76
B0018680	18	155	337	3.30	<10	<1	0.19	<10	1.71	491	6	0.38	178
B0018681	15	151	104	3.65	12	<1	0.18	<10	0.50	353	8	0.37	73
B0018682	23	83	134	5.56	16	<1	0.31	<10	1.36	486	2	0.60	47
B0018683	15	142	94	3.43	11	<1	0.24	<10	0.58	335	2	0.40	67
B0018684	<1	7	2	0.08	<10	<1	<0.01	<10	0.46	109	<1	0.01	<1
B0018685	12	141	96	3.32	12	<1	0.14	<10	0.92	904	4	0.21	96
B0018686	11	167	72	2.88	<10	<1	0.15	<10	0.77	718	3	0.22	53
B0018687	15	129	102	4.17	<10	<1	0.16	<10	1.80	1740	2	0.11	66
B0018688	13	160	89	3.27	<10	<1	0.17	<10	0.65	548	4	0.32	77
B0018689	13	145	79	3.24	12	<1	0.15	<10	0.47	520	4	0.41	83
B0018690	15	155	83	3.65	12	<1	0.18	<10	0.72	796	4	0.34	78
B0018691	13	158	79	3.45	10	<1	0.18	<10	0.33	376	4	0.40	72
B0018692	13	169	76	3.40	11	<1	0.18	<10	0.33	409	4	0.38	75
B0018693	18	118	103	4.21	14	<1	0.13	<10	0.31	439	4	0.39	82
B0018694	15	127	89	3.47	11	<1	0.15	<10	0.50	641	4	0.36	76
B0018695	12	147	89	2.98	<10	<1	0.16	<10	0.37	464	9	0.27	82

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910204

Project Name: Dunwell
Job Received Date: 30-Aug-2019
Job Report Date: 20-Sep-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
B0018696	15	157	93	3.22	12	<1	0.32	<10	0.61	454	4	0.39	91
B0018697	22	128	107	4.77	14	<1	0.71	<10	1.29	583	3	0.50	59
B0018698	18	63	107	3.72	<10	<1	0.22	<10	0.46	466	4	0.34	58
B0018699	16	85	89	3.17	<10	<1	0.20	<10	0.49	508	5	0.36	92
B0018700	13	26	80	8.62	12	<1	0.23	<10	0.87	453	5	0.03	30
B0018701	19	54	111	5.16	12	<1	0.23	<10	2.06	1476	3	0.25	27
B0018702	21	54	131	5.82	16	<1	0.50	<10	1.91	1348	2	0.44	28
B0018703	19	59	122	5.81	15	<1	0.88	<10	2.40	1481	2	0.50	28
B0018704	2	8	6	0.14	<10	<1	<0.01	<10	0.70	106	<1	<0.01	<1
B0018704PD	<1	7	4	0.12	<10	<1	<0.01	<10	0.74	97	<1	0.01	<1
B0018705	21	58	141	5.80	11	<1	0.53	<10	1.47	705	2	0.24	57
B0018706	13	55	81	3.59	<10	<1	0.38	<10	0.82	794	5	0.28	30
B0018707	10	76	77	2.68	<10	<1	0.35	<10	0.79	555	4	0.25	40
B0018708	10	56	91	3.22	<10	<1	0.33	<10	0.73	636	3	0.42	34
B0018709	9	64	90	3.44	<10	<1	0.21	<10	0.81	639	3	0.28	32
B0018710	12	84	98	3.27	<10	<1	0.30	<10	0.70	457	5	0.26	55
B0018711	15	86	100	3.34	11	<1	0.37	<10	0.75	419	3	0.33	64
B0018712	15	83	101	3.35	10	<1	0.36	<10	0.75	431	3	0.33	63
B0018713	12	95	102	2.97	<10	<1	0.09	<10	0.41	501	6	0.31	91
B0018951	7	22	37	3.17	<10	<1	0.41	<10	1.09	646	8	0.22	8
DUP B0018682													
DUP B0018694													
DUP B0018706													
DUP B0018616	8	76	82	2.68	<10	1	0.10	<10	0.75	474	13	0.15	99
DUP B0018642	12	96	86	3.23	12	<1	0.17	<10	1.15	1108	4	0.23	48

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910204**

Project Name: Dunwell
Job Received Date: 30-Aug-2019
Job Report Date: 20-Sep-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
DUP B0018704	1	8	6	0.14	<10	<1	<0.01	<10	0.69	105	<1	0.01	<1
STD BLANK													
STD BLANK													
STD BLANK													
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD OxG124													
STD OxA131													
STD OxJ120													
STD OREAS 24b	14	104	36	3.94	15	<1	1.19	16	1.36	326	3	0.11	56
STD OREAS 601	5	45	1040	2.18	<10	2	0.25	12	0.18	425	4	0.08	26
STD OREAS 601	4	43	1007	2.23	<10	<1	0.25	12	0.20	415	4	0.08	22

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910204

Project Name: Dunwell
Job Received Date: 30-Aug-2019
Job Report Date: 20-Sep-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
Granite Blank	390	3	0.02	<2	3	25	<8	0.10	<10	27	<10	27	<5
Granite Blank	393	4	0.02	<2	3	26	<8	0.11	<10	29	<10	28	6
B0018601	1102	26	0.39	<2	4	121	<8	0.11	<10	69	<10	43	<5
B0018602	1093	8	0.51	<2	7	81	<8	0.18	<10	66	<10	40	<5
B0018603	1106	9	0.56	<2	8	73	<8	0.20	<10	58	<10	40	<5
B0018604	731	8	0.30	<2	5	37	<8	0.13	<10	38	<10	21	<5
B0018605	1110	10	0.54	<2	9	62	<8	0.20	<10	61	<10	34	<5
B0018606	1113	12	0.57	<2	8	64	<8	0.19	<10	57	<10	39	<5
B0018607	567	30	0.50	<2	3	153	<8	0.07	<10	36	<10	108	<5
B0018608	970	10	0.72	8	5	329	<8	0.13	<10	61	<10	27	<5
B0018609	1111	15	0.73	<2	8	53	<8	0.20	<10	55	<10	33	<5
B0018610	1045	19	0.68	<2	5	95	<8	0.15	<10	43	<10	48	<5
B0018611	723	15	1.32	2	8	127	<8	0.14	<10	91	<10	53	<5
B0018612	865	13	1.19	3	11	111	<8	0.17	<10	116	<10	59	<5
B0018613	50	<2	<0.01	2	<2	86	<8	<0.01	<10	1	<10	<1	<5
B0018614	183	481	3.26	4	<2	259	<8	<0.01	<10	26	<10	6635	<5
B0018615	1192	23	1.08	4	3	80	<8	0.11	<10	50	<10	94	<5
B0018616	1158	22	1.66	7	3	141	<8	0.10	<10	96	<10	49	<5
B0018617	1061	45	1.61	4	5	133	<8	0.12	<10	93	<10	149	<5
B0018618	842	23	1.61	4	8	59	<8	0.13	<10	110	<10	47	<5
B0018619	993	20	1.40	2	9	105	<8	0.18	<10	120	<10	69	<5
B0018620	547	385	1.18	7	<2	168	<8	0.02	<10	23	20	781	16
B0018621	788	19	1.38	4	8	125	<8	0.15	<10	102	<10	63	<5
B0018622	1039	22	1.19	5	6	110	<8	0.17	<10	88	<10	55	<5
B0018623	969	44	0.92	<2	9	101	<8	0.20	<10	110	<10	148	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910204

Project Name: Dunwell
Job Received Date: 30-Aug-2019
Job Report Date: 20-Sep-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0018624	824	33	1.17	3	9	68	<8	0.19	<10	138	<10	84	<5
B0018625	769	17	0.88	3	10	122	<8	0.20	<10	121	<10	47	<5
B0018625PD	787	17	0.94	<2	11	116	<8	0.20	<10	128	<10	51	<5
B0018626	854	18	0.64	3	6	117	<8	0.12	<10	62	<10	40	<5
B0018627	693	7	0.35	2	8	36	<8	0.16	<10	84	<10	39	<5
B0018628	675	23	0.37	<2	7	27	<8	0.11	<10	66	<10	88	<5
B0018629	559	9	0.53	<2	7	26	<8	0.14	<10	76	<10	38	<5
B0018630	597	11	0.57	<2	9	107	<8	0.15	<10	81	<10	30	<5
B0018631	919	16	0.80	3	9	119	<8	0.19	<10	92	<10	41	<5
B0018631PD	942	11	0.81	<2	9	115	<8	0.18	<10	93	<10	41	<5
B0018632	916	12	0.79	3	9	110	<8	0.18	<10	90	<10	44	<5
B0018633	57	<2	<0.01	<2	<2	86	<8	<0.01	<10	1	<10	<1	<5
B0018634	1023	23	0.67	4	6	119	<8	0.13	<10	64	<10	45	<5
B0018635	787	158	0.69	<2	7	62	<8	0.11	<10	70	<10	528	<5
B0018636	796	16	0.54	<2	6	47	<8	0.14	<10	58	<10	49	<5
B0018637	1623	51	1.82	3	12	153	<8	0.24	<10	169	<10	145	<5
B0018638	1505	67	1.81	3	16	151	<8	0.24	<10	170	<10	145	<5
B0018639	920	37	0.92	3	7	122	<8	0.10	<10	70	<10	53	<5
B0018640	335	217	0.12	6	4	90	<8	0.09	<10	68	<10	131	<5
B0018641	754	84	0.95	<2	6	56	<8	0.08	<10	72	<10	90	<5
B0018642	889	109	1.05	4	5	114	<8	0.09	<10	96	<10	118	<5
B0018643	967	25	1.35	4	5	187	<8	0.13	<10	97	<10	65	<5
B0018644	827	31	0.76	<2	8	62	<8	0.15	<10	92	<10	63	<5
B0018645	890	20	0.99	4	8	151	<8	0.15	<10	108	<10	70	<5
B0018646	938	21	1.02	4	9	122	<8	0.15	<10	114	<10	68	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910204

Project Name: Dunwell
Job Received Date: 30-Aug-2019
Job Report Date: 20-Sep-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0018647	969	28	1.38	2	8	132	<8	0.15	<10	99	<10	144	<5
B0018648	1100	15	1.35	5	6	217	<8	0.15	<10	92	<10	74	<5
B0018649	915	21	1.33	<2	8	92	<8	0.16	<10	111	<10	127	<5
B0018650	1223	13	1.21	<2	9	129	<8	0.17	<10	107	<10	91	<5
B0018651	1035	19	1.10	3	9	135	<8	0.17	<10	107	<10	102	<5
B0018652	1099	22	1.03	3	9	134	<8	0.18	<10	112	<10	96	<5
B0018653	1441	15	1.03	<2	9	206	<8	0.20	<10	110	<10	73	<5
B0018654	1194	28	1.20	3	8	153	<8	0.16	<10	103	<10	76	<5
B0018655	1063	73	1.58	5	6	129	<8	0.13	<10	79	<10	200	<5
B0018656	859	44	1.26	6	4	110	<8	0.11	<10	129	<10	298	<5
B0018657	1393	95	0.73	<2	7	145	<8	0.09	<10	910	<10	477	<5
B0018658	1434	293	0.72	2	7	186	<8	0.02	<10	1107	<10	2155	<5
B0018659	926	232	0.49	4	8	141	<8	0.04	<10	128	<10	449	<5
B0018660	567	399	1.20	8	<2	169	<8	0.02	<10	23	19	802	16
B0018661	1044	186	0.31	<2	9	320	<8	0.01	<10	290	<10	710	<5
B0018662	2507	42	0.63	<2	5	151	<8	0.07	<10	87	<10	226	6
B0018663	1210	65	2.20	7	6	157	<8	0.14	<10	153	<10	518	<5
B0018664	40	<2	<0.01	2	<2	89	<8	<0.01	<10	<1	<10	<1	<5
B0018665	959	96	1.79	<2	5	154	<8	0.13	<10	185	<10	904	<5
B0018666	1546	20	2.22	<2	12	211	<8	0.20	<10	149	<10	128	<5
B0018667	971	17	1.51	4	7	112	<8	0.12	<10	122	<10	141	<5
B0018668	1548	27	1.66	4	5	220	<8	0.14	<10	101	<10	138	<5
B0018669	928	28	1.08	3	8	159	<8	0.18	<10	93	<10	120	<5
B0018670	1058	16	1.64	2	7	133	<8	0.15	<10	96	<10	149	<5
B0018671	1502	42	1.38	6	8	186	<8	0.12	<10	145	<10	443	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910204

Project Name: Dunwell
Job Received Date: 30-Aug-2019
Job Report Date: 20-Sep-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	V	W	Zn	Zr
	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample ID	10	2	0.01	2	2	1	8	0.01	10	1	10	1	5
B0018672	1372	27	1.40	4	7	227	<8	0.12	<10	114	<10	310	<5
B0018673	1047	35	1.58	3	9	195	<8	0.17	<10	121	<10	167	<5
B0018674	1103	22	2.38	4	6	240	<8	0.15	<10	104	<10	75	<5
B0018675	1029	48	2.18	5	5	192	<8	0.13	<10	74	<10	141	<5
B0018676	974	65	1.93	<2	4	164	<8	0.15	<10	73	<10	252	<5
B0018677	1002	32	2.02	<2	3	151	<8	0.13	<10	56	<10	117	<5
B0018678	1051	43	1.86	4	4	173	<8	0.12	<10	72	<10	218	<5
B0018678PD	1056	41	1.78	4	4	178	<8	0.12	<10	68	<10	193	<5
B0018679	1128	38	1.81	5	3	220	<8	0.11	<10	61	<10	181	<5
B0018680	347	220	0.12	7	4	91	<8	0.09	<10	67	<10	130	7
B0018681	1055	54	2.16	3	5	153	<8	0.13	<10	94	<10	319	<5
B0018682	2168	23	3.06	<2	9	330	<8	0.17	<10	136	<10	62	<5
B0018683	1126	21	1.98	3	7	203	<8	0.12	<10	88	<10	69	<5
B0018684	79	<2	0.01	<2	<2	87	<8	<0.01	<10	1	<10	<1	<5
B0018685	1020	64	1.66	5	6	116	<8	0.13	<10	87	<10	353	<5
B0018686	744	55	1.45	5	6	85	<8	0.10	<10	82	<10	405	<5
B0018687	1102	122	1.88	<2	9	127	<8	0.11	<10	110	<10	711	<5
B0018688	895	19	1.84	5	5	154	<8	0.12	<10	77	<10	161	<5
B0018689	1057	21	1.90	3	3	225	<8	0.12	<10	68	<10	92	<5
B0018690	1069	37	1.99	5	5	169	<8	0.11	<10	82	<10	394	<5
B0018691	981	31	2.08	5	4	144	<8	0.11	<10	63	<10	319	<5
B0018692	1069	31	2.05	3	4	135	<8	0.11	<10	63	<10	402	<5
B0018693	1033	107	2.61	<2	3	243	<8	0.11	<10	52	<10	522	<5
B0018694	1019	81	2.01	<2	4	193	<8	0.12	<10	69	<10	315	<5
B0018695	1143	43	1.71	2	4	156	<8	0.11	<10	67	<10	187	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910204

Project Name: Dunwell
Job Received Date: 30-Aug-2019
Job Report Date: 20-Sep-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0018696	917	14	1.72	7	6	137	<8	0.15	<10	101	<10	63	<5
B0018697	1700	16	2.43	<2	11	155	<8	0.17	<10	133	<10	78	<5
B0018698	956	21	2.12	<2	5	103	<8	0.12	<10	88	<10	54	<5
B0018699	903	21	1.69	3	4	156	<8	0.12	<10	73	<10	55	<5
B0018700	589	397	1.20	3	<2	169	<8	0.02	<10	23	20	789	17
B0018701	1646	15	1.89	3	14	191	<8	0.15	<10	142	<10	110	<5
B0018702	1553	29	2.30	<2	17	292	<8	0.23	<10	163	<10	152	<5
B0018703	1800	27	2.10	<2	22	232	<8	0.25	<10	198	<10	133	<5
B0018704	62	<2	0.07	<2	<2	87	<8	<0.01	<10	<1	<10	<1	<5
B0018704PD	73	<2	0.05	<2	<2	92	<8	<0.01	<10	1	<10	<1	<5
B0018705	887	34	2.65	7	6	98	<8	0.11	<10	87	<10	131	<5
B0018706	745	26	1.73	3	6	175	<8	0.15	<10	104	<10	62	<5
B0018707	829	27	1.36	3	7	85	<8	0.13	<10	88	<10	197	<5
B0018708	1128	150	1.65	3	6	153	<8	0.13	<10	82	<10	538	<5
B0018709	1158	53	1.81	2	5	93	<8	0.11	<10	81	<10	145	<5
B0018710	1032	34	1.87	3	6	96	<8	0.11	<10	102	<10	79	<5
B0018711	806	44	1.88	6	8	112	<8	0.13	<10	92	<10	48	<5
B0018712	793	45	1.91	4	9	114	<8	0.13	<10	92	<10	51	<5
B0018713	1285	161	1.73	6	3	132	<8	0.12	<10	61	<10	546	<5
B0018951	1013	13	0.57	<2	8	98	<8	0.19	<10	66	<10	38	<5
DUP B0018682													
DUP B0018694													
DUP B0018706													
DUP B0018616	1143	23	1.62	3	3	139	<8	0.09	<10	94	<10	50	<5
DUP B0018642	901	111	1.07	<2	5	117	<8	0.09	<10	98	<10	122	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910204**

Project Name:	Dunwell
Job Received Date:	30-Aug-2019
Job Report Date:	20-Sep-2019
Report Version:	Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
DUP B0018704	48	<2	0.08	<2	<2	86	<8	<0.01	<10	1	<10	1	<5
STD BLANK													
STD BLANK													
STD BLANK													
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD OxG124													
STD OxA131													
STD OxJ120													
STD OREAS 24b	605	12	0.19	<2	10	30	15	0.20	<10	79	<10	90	28
STD OREAS 601	359	287	1.05	23	<2	37	<8	0.01	<10	9	<10	1326	27
STD OREAS 601	356	284	1.04	23	<2	38	<8	0.02	<10	10	<10	1297	28

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910221**

Project Name:	Dunwell
Job Received Date:	06-Sep-2019
Job Report Date:	27-Sep-2019
Number of Samples:	236
Report Version:	Final

SAMPLE PREPARATION	
METHOD CODE	DESCRIPTION
PRP-910	Dry, Crush to 70% passing 2mm, Split 250g, Pulverize to 85% passing 75µm

ANALYTICAL METHODS	
METHOD CODE	DESCRIPTION
FAS-111	Au, Fire Assay, 30g fusion, AAS, Trace Level
ICP-130	Multi-Element, 0.5g, 3:1 Aqua Regia, ICP-AES, Trace Level

COMMENTS:

Coarse gold may be present in some samples.

Test results reported relate to the tested samples only on an "as received" basis. Unless otherwise stated above, sufficient sample was received for the methods requested and all samples were received in acceptable condition. Analytical results in unsigned reports marked "provisional" are subject to change, pending final QC review and approval. The customer has not provided any information than can affect the validity of the test results. Please refer to MSALABS' Schedule of Services and Fees for our complete Terms and Conditions. Preliminary results are applicable when a portion of samples in a job is 100% completed and reported or 1 of a number of methods on the same job have been completed 100%. Results cannot change, but additional results or results for additional methods can be added.

Signature:

Yvette Hsi, BSc.
Laboratory Manager
MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
Granite Blank	QC-P-BK	--		<0.005	<0.2	0.93	<2	<10	64	<0.5	<2	0.61	<0.5
Granite Blank	QC-P-BK	--		<0.005	<0.2	0.96	3	<10	68	<0.5	<2	0.64	<0.5
B0018714	Core	3.72		<0.005	0.4	4.19	19	<10	414	0.7	<2	2.23	0.7
B0018715	Core	1.72		0.013	1.4	1.35	54	<10	72	<0.5	5	3.09	<0.5
B0018716	Core	2.46		0.018	4.0	1.76	98	<10	28	0.5	<2	2.65	1.2
B0018717	Core	2.86		0.014	0.8	1.30	72	<10	32	<0.5	<2	1.79	0.7
B0018718	Core	2.80		0.011	0.7	1.30	44	<10	40	<0.5	12	1.31	<0.5
B0018719	Core	2.44		0.290	25.3	1.12	9170	<10	30	<0.5	8	1.28	<0.5
B0018720	Pulp	0.08		4.101	20.8	3.12	15	<10	96	<0.5	<2	2.05	1.2
B0018721	Core	2.44		0.036	1.5	1.51	185	<10	47	<0.5	5	0.96	<0.5
B0018722	Core	2.36		0.468	1.5	1.43	4408	<10	37	<0.5	<2	1.78	<0.5
B0018722PD	QC-PD	--		0.316	1.3	1.42	3436	<10	35	<0.5	<2	1.68	<0.5
B0018723	Core	2.42		0.006	<0.2	2.39	54	<10	113	<0.5	<2	0.74	0.5
B0018724	Core	0.84		<0.005	0.4	0.03	<2	<10	11	<0.5	<2	>25	<0.5
B0018725	Core	2.66		0.013	0.2	2.27	20	<10	131	<0.5	2	0.81	0.5
B0018726	Core	2.42		<0.005	<0.2	1.88	5	<10	135	<0.5	<2	0.44	<0.5
B0018727	Core	2.58		<0.005	<0.2	2.05	5	<10	104	<0.5	<2	0.63	<0.5
B0018728	Core	2.60		<0.005	<0.2	2.28	5	<10	107	<0.5	<2	0.71	<0.5
B0018729	Core	1.94		<0.005	0.4	1.95	4	<10	75	<0.5	<2	0.90	0.5
B0018730	Core	2.62		0.005	<0.2	2.05	3	<10	91	<0.5	<2	0.84	<0.5
B0018731	Core	1.18		0.025	<0.2	1.93	5	<10	68	<0.5	<2	0.99	0.6
B0018732	Core	1.06		0.013	0.3	2.12	8	<10	65	<0.5	2	1.15	0.7
B0018733	Core	2.50		<0.005	0.2	2.66	10	<10	83	0.5	<2	1.42	0.5
B0018734	Core	2.50		<0.005	<0.2	1.84	6	<10	75	<0.5	3	0.74	<0.5
B0018735	Core	2.58		<0.005	<0.2	2.07	4	<10	71	<0.5	<2	0.72	<0.5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0018736	Core	2.44		0.008	0.3	3.18	15	<10	273	0.5	3	0.72	2.8
B0018737	Core	2.74		0.092	10.0	3.65	19	<10	207	0.6	2	3.25	13.4
B0018738	Core	2.44		0.007	0.3	2.26	28	<10	156	<0.5	<2	1.12	1.0
B0018739	Core	2.40		<0.005	0.2	2.33	16	<10	73	0.5	<2	0.91	1.6
B0018740	Pulp	0.08		3.095	11.9	1.45	4575	<10	149	<0.5	<2	2.77	6.9
B0018741	Core	1.78		0.028	9.3	2.25	40	<10	54	0.6	6	3.78	5.4
B0018742	Core	2.94		0.027	1.7	2.74	17	<10	111	<0.5	5	2.11	1.7
B0018743	Core	2.70		0.020	0.8	3.57	56	<10	185	<0.5	3	2.27	2.3
B0018743PD	QC-PD	--		0.020	0.8	3.74	60	<10	191	<0.5	2	2.38	2.0
B0018744	Core	0.78		<0.005	0.6	0.02	<2	<10	11	<0.5	<2	>25	<0.5
B0018745	Core	2.58		0.095	1.3	2.85	32	23	205	<0.5	3	1.60	0.8
B0018746	Core	2.76		0.028	1.0	3.35	30	18	220	<0.5	3	1.75	1.1
B0018747	Core	2.46		<0.005	0.2	2.40	36	12	310	<0.5	4	0.68	<0.5
B0018748	Core	1.90		0.009	0.4	3.08	67	<10	204	<0.5	3	2.23	0.6
B0018749	Core	2.86		0.012	0.3	2.92	55	15	250	0.6	<2	0.97	<0.5
B0018750	Core	2.40		0.033	0.9	2.62	81	11	210	1.0	4	8.86	0.6
B0018751	Core	2.42		0.006	0.3	4.44	32	<10	437	0.5	4	1.41	<0.5
B0018752	Core	--		0.005	0.5	4.35	25	11	447	0.5	2	1.37	<0.5
B0018753	Core	2.66		0.006	0.3	2.73	25	22	331	<0.5	<2	5.86	<0.5
B0018754	Core	2.70		0.008	0.4	3.71	23	13	429	<0.5	4	1.98	<0.5
B0018755	Core	2.40		<0.005	0.5	3.38	16	<10	311	<0.5	3	1.24	4.5
B0018756	Core	2.68		<0.005	0.5	2.65	29	<10	149	<0.5	4	4.09	<0.5
B0018757	Core	2.48		0.008	0.8	2.56	34	<10	180	0.5	<2	4.64	0.5
B0018758	Core	2.54		0.010	0.6	2.54	39	<10	187	<0.5	4	2.13	0.5
B0018759	Core	1.58		0.027	0.7	2.37	53	<10	116	<0.5	2	4.48	0.9

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0018760	Pulp	0.08		4.034	19.8	3.24	11	15	99	<0.5	<2	2.14	0.9
B0018761	Core	1.40		0.073	0.6	3.24	22	<10	153	<0.5	5	2.31	<0.5
B0018762	Core	2.24		0.037	2.6	3.05	28	24	237	0.7	<2	1.41	67.1
B0018763	Core	2.64		0.008	0.4	2.69	11	<10	219	0.7	<2	0.75	1.0
B0018764	Core	1.00		<0.005	0.3	0.01	<2	<10	10	<0.5	<2	>25	<0.5
B0018765	Core	2.68		<0.005	<0.2	3.07	6	<10	279	0.7	<2	0.98	<0.5
B0018766	Core	2.44		<0.005	0.3	3.49	16	<10	420	0.6	<2	1.41	<0.5
B0018767	Core	2.52		0.008	<0.2	2.94	19	11	471	0.7	<2	0.64	<0.5
B0018768	Core	2.94		0.011	0.4	2.80	63	18	121	0.6	3	1.01	<0.5
B0018769	Core	2.44		0.021	0.3	1.32	7	<10	58	<0.5	<2	0.95	0.5
B0018770	Core	1.58		0.392	1.1	1.93	35	<10	101	<0.5	4	2.95	0.7
B0018771	Core	1.30		0.008	0.8	2.75	22	<10	187	0.6	3	0.72	0.6
B0018772	Core	1.26		0.007	0.9	2.77	23	<10	171	0.6	3	1.27	0.6
B0018773	Core	2.44		0.007	0.5	3.47	41	<10	245	0.6	4	1.37	<0.5
B0018774	Core	2.54		0.013	0.6	2.89	35	11	150	0.6	2	1.70	<0.5
B0018775	Core	2.34		0.014	1.5	3.09	35	<10	170	0.7	<2	2.00	0.7
B0018776	Core	2.20		0.020	0.8	2.37	52	<10	64	0.6	2	2.63	<0.5
B0018776PD	QC-PD	--		0.016	0.7	2.34	51	<10	68	0.6	<2	2.21	<0.5
B0018777	Core	2.92		0.034	1.4	1.83	97	<10	44	0.6	<2	2.90	0.5
B0018778	Core	2.30		0.074	3.2	1.45	81	<10	23	<0.5	<2	3.29	14.0
B0018779	Core	1.86		1.230	14.1	1.55	153	<10	31	<0.5	<2	4.98	73.4
B0018780	Pulp	0.08		3.100	13.1	1.43	4529	16	149	<0.5	5	2.69	6.6
B0018781	Core	2.50		0.162	2.3	1.70	39	22	31	0.6	<2	9.17	3.2
B0018782	Core	2.50		0.008	0.7	2.41	7	12	92	<0.5	<2	3.30	0.6
B0018783	Core	2.36		0.012	0.7	2.41	11	11	54	0.5	<2	3.88	<0.5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0018784	Core	1.04		<0.005	0.4	0.02	<2	<10	14	<0.5	<2	>25	<0.5
B0018785	Core	2.32		0.016	0.6	2.57	10	<10	49	0.5	2	2.02	<0.5
B0018786	Core	2.38		0.010	0.7	2.04	10	15	39	0.5	<2	1.19	<0.5
B0018787	Core	2.24		0.012	0.7	2.37	12	14	47	0.7	<2	3.48	0.6
B0018788	Core	2.52		0.013	0.7	2.37	37	<10	59	0.6	3	1.19	<0.5
B0018789	Core	2.52		0.016	0.8	2.46	11	<10	61	0.6	2	4.43	1.8
B0018790	Core	2.24		0.011	0.5	2.44	<2	11	106	0.5	<2	1.32	<0.5
B0018791	Core	2.12		0.007	0.4	2.00	26	<10	76	0.6	<2	1.55	<0.5
B0018792	Core	--		0.008	0.3	2.01	19	<10	76	0.6	2	1.43	<0.5
B0018793	Core	2.34		0.009	0.6	2.13	28	12	58	0.5	<2	2.54	<0.5
B0018794	Core	0.96		0.009	0.5	0.69	59	<10	12	<0.5	<2	3.09	<0.5
B0018795	Core	1.50		0.007	0.2	1.63	14	14	55	<0.5	<2	0.83	<0.5
B0018796	Core	2.38		0.012	0.3	1.99	15	<10	90	<0.5	<2	1.19	<0.5
B0018797	Core	2.12		0.006	0.6	2.06	47	11	98	<0.5	<2	1.44	<0.5
B0018798	Core	2.16		0.011	0.8	2.08	12	<10	139	<0.5	<2	5.51	<0.5
B0018799	Core	2.44		0.015	0.7	2.21	59	<10	85	0.8	<2	5.38	0.7
B0018800	Pulp	0.08		4.144	19.9	3.18	10	<10	97	<0.5	<2	2.10	1.0
B0018801	Core	2.28		0.013	0.9	1.69	52	<10	148	0.7	<2	3.66	0.5
B0018802	Core	2.48		0.011	0.9	1.46	54	<10	65	0.6	<2	4.80	0.6
B0018803	Core	1.90		2.611	22.7	1.28	593	12	12	<0.5	6	4.18	491.5
B0018804	Core	1.24		<0.005	0.4	0.02	<2	<10	11	<0.5	<2	>25	<0.5
B0018805	Core	2.20		0.027	2.9	1.60	199	<10	29	<0.5	<2	5.38	14.3
B0018806	Core	2.18		0.015	1.8	1.72	209	<10	110	0.6	<2	3.39	4.0
B0018807	Core	2.50		0.016	2.0	1.22	25	<10	39	<0.5	<2	4.26	17.8
B0018808	Core	1.58		0.015	1.4	1.66	41	<10	52	<0.5	<2	2.37	5.2

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0018809	Core	1.68		0.012	0.7	2.35	24	11	55	<0.5	2	1.65	<0.5
B0018810	Core	2.32		0.020	0.7	2.11	28	<10	78	<0.5	<2	3.16	0.6
B0018811	Core	0.70		0.010	<0.2	1.90	3	<10	208	<0.5	<2	0.68	<0.5
B0018812	Core	0.74		0.011	<0.2	1.80	4	<10	276	<0.5	<2	0.52	<0.5
B0018813	Core	2.20		0.007	<0.2	2.00	4	<10	213	<0.5	<2	0.76	<0.5
B0018814	Core	1.98		<0.005	0.3	1.90	13	<10	133	<0.5	3	1.19	<0.5
B0018815	Core	2.36		0.015	0.7	1.86	45	<10	72	<0.5	2	1.59	5.5
B0018816	Core	2.16		0.007	0.7	1.98	27	<10	39	<0.5	<2	1.60	0.9
B0018817	Core	2.32		0.013	0.7	1.95	40	<10	39	<0.5	<2	1.66	1.3
B0018818	Core	2.32		0.007	0.3	1.32	13	<10	47	<0.5	<2	0.69	<0.5
B0018819	Core	2.32		0.008	0.4	1.25	26	16	53	<0.5	<2	0.81	<0.5
B0018820	Pulp	0.08		3.047	13.4	1.52	4474	22	162	<0.5	3	2.75	6.4
B0018821	Core	2.28		0.006	0.5	1.33	43	<10	50	<0.5	3	0.54	<0.5
B0018822	Core	2.44		0.005	0.4	2.12	27	<10	46	<0.5	3	0.86	0.7
B0018822PD	QC-PD	--		0.005	0.4	2.11	24	<10	46	<0.5	<2	0.84	0.5
B0018823	Core	2.44		<0.005	0.4	2.05	15	<10	56	<0.5	<2	0.77	<0.5
B0018824	Core	1.15		<0.005	0.3	0.04	<2	<10	<10	<0.5	<2	>25	<0.5
B0018825	Core	2.44		0.009	0.8	2.08	79	<10	49	<0.5	2	1.90	1.0
B0018826	Core	2.26		0.008	0.7	2.99	34	21	36	0.6	3	3.64	0.8
B0018827	Core	2.40		0.005	1.0	2.62	26	<10	42	0.5	2	2.01	1.1
B0018828	Core	1.50		0.012	0.8	3.04	31	<10	98	0.5	<2	1.94	1.0
B0018829	Core	1.18		0.022	0.8	2.96	24	<10	71	<0.5	<2	1.53	0.6
B0018830	Core	1.68		0.009	1.1	2.16	15	<10	39	<0.5	<2	2.79	5.9
B0018831	Core	2.26		0.014	1.1	2.19	158	<10	56	<0.5	<2	3.38	4.3
B0018832	Core	--		0.013	1.0	2.31	173	<10	63	<0.5	2	3.70	5.5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0018833	Core	2.58		0.017	0.8	2.64	199	<10	53	0.5	<2	2.87	3.4
B0018834	Core	2.60		0.033	1.0	2.96	174	<10	80	0.6	2	2.41	4.1
B0018835	Core	2.60		0.014	0.9	1.75	55	<10	68	<0.5	<2	1.78	0.6
B0018836	Core	3.58		0.009	0.7	2.32	37	23	77	<0.5	<2	1.82	0.5
B0018837	Core	2.90		0.008	0.7	2.55	16	<10	203	<0.5	3	2.71	2.6
B0018838	Core	2.26		0.008	0.9	1.86	54	<10	126	<0.5	<2	1.46	0.8
B0018839	Core	2.90		0.020	0.8	2.11	120	<10	83	<0.5	<2	1.37	1.6
B0018840	Pulp	0.08		3.901	19.2	3.12	9	<10	96	<0.5	3	1.96	1.0
B0018841	Core	2.16		0.009	0.6	2.53	5	<10	84	<0.5	3	2.84	2.0
B0018842	Core	1.74		0.025	2.0	2.26	27	<10	65	<0.5	3	3.31	4.1
B0018843	Core	1.92		0.009	2.4	1.64	19	<10	31	<0.5	2	8.29	3.5
B0018844	Core	1.04		<0.005	0.3	0.01	<2	<10	10	<0.5	<2	>25	<0.5
B0018845	Core	2.08		0.011	3.4	1.99	46	11	46	0.7	<2	7.89	18.7
B0018846	Core	2.86		<0.005	1.9	2.25	49	<10	52	0.9	3	4.42	21.0
B0018847	Core	0.64		0.020	0.6	1.70	19	<10	81	0.5	3	3.49	5.3
B0018848	Core	1.74		0.184	3.2	2.44	258	<10	44	0.5	2	1.51	105.8
B0018849	Core	1.14		0.063	3.5	1.73	73	<10	70	0.6	3	3.11	46.3
B0018850	Core	1.75		0.007	1.4	1.87	40	<10	100	0.7	<2	3.10	5.0
B0018851	Core	0.88		0.007	1.6	1.56	45	<10	46	0.7	<2	4.98	7.2
B0018851PD	QC-PD	--		0.009	1.7	1.66	54	<10	49	0.7	<2	4.47	8.5
B0018852	Core	0.86		0.012	1.5	1.68	77	<10	51	0.7	4	4.84	11.0
B0018853	Core	2.56		0.019	1.3	2.18	161	<10	85	0.7	<2	2.23	2.5
B0018854	Core	2.60		0.069	1.2	3.34	342	<10	92	0.8	<2	2.64	0.9
B0018855	Core	2.60		0.024	1.0	1.98	271	<10	59	<0.5	2	2.47	0.9
B0018856	Core	2.12		0.046	1.2	1.63	479	<10	69	<0.5	<2	1.53	<0.5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0018857	Core	2.66		0.031	1.4	2.42	262	<10	73	0.5	<2	1.95	0.7
B0018858	Core	2.44		0.035	1.6	2.25	154	<10	37	0.5	<2	2.85	3.7
B0018859	Core	3.12		0.023	1.4	2.12	138	<10	58	0.6	<2	3.33	2.5
B0018860	Pulp	0.08		3.883	20.1	3.12	13	<10	96	<0.5	<2	1.95	0.9
B0018861	Core	2.65		0.033	2.4	1.86	191	<10	58	<0.5	<2	1.73	13.8
B0018862	Core	2.55		0.020	1.0	3.11	52	<10	105	0.6	4	1.79	0.8
B0018863	Core	1.94		0.021	1.2	2.83	48	<10	75	0.6	<2	2.56	0.8
B0018864	Core	1.06		<0.005	0.4	0.02	<2	<10	11	<0.5	<2	>25	<0.5
B0018865	Core	2.44		0.026	1.5	3.28	107	<10	71	0.7	3	2.50	4.3
B0018866	Core	2.52		0.025	1.5	2.37	208	<10	52	0.6	<2	3.22	14.6
B0018867	Core	1.78		0.025	1.3	3.87	80	<10	185	0.7	2	2.18	0.5
B0018868	Core	2.06		0.036	1.2	2.67	110	<10	95	0.6	<2	2.29	<0.5
B0018869	Core	2.40		0.019	1.1	1.66	54	<10	52	<0.5	<2	3.96	6.9
B0018870	Core	2.50		0.024	1.0	2.24	40	<10	76	<0.5	<2	1.71	<0.5
B0018871	Core	2.44		0.103	0.8	3.06	185	<10	114	<0.5	2	2.88	<0.5
B0018872	Core	--		0.107	0.8	3.20	165	<10	93	<0.5	<2	1.90	<0.5
B0018873	Core	2.96		0.293	1.0	4.86	358	<10	200	0.7	3	2.91	<0.5
B0018874	Core	2.58		0.179	0.8	2.46	594	<10	52	0.6	<2	3.04	<0.5
B0018875	Core	1.74		0.115	1.4	2.17	173	<10	34	0.5	<2	6.16	1.5
B0018876	Core	2.64		0.065	1.4	2.87	160	<10	103	<0.5	<2	2.33	2.7
B0018877	Core	1.70		0.094	1.2	2.88	281	<10	31	0.6	<2	4.08	<0.5
B0018878	Core	2.38		0.016	0.7	4.28	119	<10	131	0.6	2	3.00	<0.5
B0018879	Core	2.54		0.012	1.9	1.64	59	<10	139	<0.5	<2	3.06	7.9
B0018880	Pulp	0.10		4.111	20.0	3.08	11	<10	96	<0.5	<2	1.92	0.9
B0018881	Core	2.50		0.013	1.3	2.97	15	<10	127	<0.5	<2	3.14	0.8

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0018882	Core	2.50		0.011	1.0	3.99	5	<10	212	<0.5	<2	5.96	<0.5
B0018883	Core	2.63		0.009	1.0	2.23	34	<10	102	<0.5	<2	7.16	2.1
B0018884	Core	1.16		<0.005	0.4	0.02	<2	<10	14	<0.5	<2	>25	<0.5
B0018885	Core	2.60		0.008	0.9	2.79	<2	<10	150	<0.5	<2	4.43	<0.5
B0018886	Core	1.68		0.009	0.9	2.32	2	<10	227	<0.5	<2	1.77	0.6
B0018886PD	QC-PD	--		0.008	0.9	2.22	5	21	203	<0.5	<2	1.88	0.8
B0018887	Core	1.50		0.012	0.9	3.70	8	10	236	0.7	<2	2.62	<0.5
B0018888	Core	1.78		0.011	0.5	2.23	5	<10	110	0.6	<2	2.21	<0.5
B0018889	Core	1.78		0.027	1.0	4.49	105	<10	195	0.8	<2	3.39	1.4
B0018890	Core	1.68		0.071	0.9	3.41	233	16	50	0.8	<2	6.75	0.9
B0018891	Core	0.94		0.039	0.9	4.15	92	<10	233	0.7	<2	2.61	0.8
B0018892	Core	1.02		0.049	1.2	4.32	71	<10	260	0.7	<2	2.56	0.8
B0018893	Core	1.66		0.007	1.3	3.09	<2	<10	136	<0.5	<2	4.41	2.4
B0018894	Core	2.44		0.027	0.8	3.92	35	<10	287	0.5	4	3.38	<0.5
B0018895	Core	1.62		0.011	1.7	2.53	3	14	121	<0.5	<2	3.34	2.1
B0018896	Core	2.32		0.011	1.1	4.26	15	<10	215	0.5	4	3.74	1.2
B0018897	Core	1.82		0.040	1.1	4.45	91	11	210	0.7	<2	2.87	<0.5
B0018898	Core	1.58		0.020	0.6	3.96	43	12	508	<0.5	4	2.42	<0.5
B0018899	Core	3.68		0.024	0.5	2.38	10	<10	81	0.7	<2	1.97	0.5
B0018900	Pulp	0.08		3.077	12.0	1.56	4553	17	148	<0.5	<2	2.76	6.7
B0018952	Core	1.42		7.815	27.2	0.28	2568	<10	18	<0.5	<2	0.06	21.7
B0018953	Core	1.66		0.023	0.8	3.15	7	<10	222	<0.5	3	1.59	0.6
B0018954	Core	2.56		0.063	0.7	4.09	188	12	308	0.6	<2	2.28	<0.5
B0018955	Core	2.48		0.011	1.0	2.94	7	<10	184	<0.5	<2	2.21	1.4
B0018956	Core	2.44		0.008	0.8	3.67	<2	<10	302	<0.5	<2	2.08	0.6

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0018957	Core	2.36		0.040	1.1	2.25	9	<10	157	<0.5	<2	2.88	1.6
B0018958	Core	1.46		0.014	1.2	2.28	10	<10	156	<0.5	<2	3.09	1.8
B0018959	Core	2.48		0.006	0.7	3.73	14	11	332	<0.5	<2	2.66	<0.5
B0018960	Pulp	0.08		3.909	20.0	3.35	10	13	96	<0.5	<2	1.99	0.8
B0018961	Core	2.72		0.008	1.0	3.23	11	<10	204	<0.5	3	4.28	0.7
B0018962	Core	2.38		0.119	1.0	2.30	260	<10	63	<0.5	<2	5.78	<0.5
B0018963	Core	2.52		0.101	0.8	3.02	40	<10	484	<0.5	<2	4.13	<0.5
B0018964	Core	1.06		<0.005	0.4	0.02	<2	<10	13	<0.5	<2	>25	<0.5
B0018965	Core	2.34		0.008	0.6	1.83	10	<10	119	<0.5	<2	5.83	1.2
B0018966	Core	2.44		0.011	0.9	2.82	18	<10	437	<0.5	<2	5.11	1.0
B0018967	Core	2.49		0.011	1.0	2.23	8	<10	189	<0.5	<2	2.12	1.9
B0018968	Core	2.54		0.013	1.2	3.44	3	<10	163	0.6	2	3.97	1.3
B0018969	Core	1.50		0.015	0.8	4.47	6	<10	104	1.0	<2	5.37	1.3
B0018970	Core	1.82		0.028	1.1	3.22	50	<10	58	0.7	<2	5.17	0.8
B0018971	Core	2.02		0.007	0.5	3.32	18	22	276	<0.5	<2	2.21	0.9
B0018972	Core	--		0.008	0.4	3.30	18	<10	263	<0.5	2	2.42	0.6
B0018973	Core	2.26		0.031	0.6	2.28	11	<10	224	0.7	<2	1.87	1.0
B0018974	Core	2.52		0.008	0.8	3.54	41	<10	316	<0.5	<2	1.88	0.6
B0018975	Core	1.80		0.012	1.1	1.94	18	<10	86	<0.5	<2	6.19	1.3
B0018975PD	QC-PD	--		0.009	0.9	2.14	15	18	106	<0.5	<2	6.09	1.3
B0018976	Core	1.80		0.007	1.3	1.68	<2	<10	107	<0.5	2	0.89	1.2
B0018977	Core	1.54		0.009	1.3	1.28	4	<10	56	<0.5	<2	3.78	0.6
B0018978	Core	2.58		0.010	1.3	1.38	<2	<10	58	<0.5	<2	4.23	1.3
B0018979	Core	2.46		0.007	0.9	1.79	3	<10	168	<0.5	<2	3.99	0.8
B0018980	Pulp	0.08		3.038	11.2	1.38	4361	<10	146	<0.5	4	2.60	6.4

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0018981	Core	2.50		0.006	0.9	2.44	<2	<10	70	0.6	<2	8.66	1.9
B0018982	Core	1.48		0.098	1.4	3.50	563	<10	184	0.8	2	2.00	1.2
B0018983	Core	2.46		0.012	0.6	3.94	20	12	162	0.7	3	3.29	1.9
B0018984	Core	1.10		0.005	0.5	0.03	<2	<10	<10	<0.5	<2	>25	<0.5
B0018985	Core	1.58		0.007	0.6	2.47	3	<10	197	<0.5	4	6.12	<0.5
B0018986	Core	1.46		0.008	0.6	2.21	30	<10	292	<0.5	<2	1.85	<0.5
B0018987	Core	2.40		0.008	0.4	2.09	12	<10	273	<0.5	<2	1.16	<0.5
B0018988	Core	2.26		0.010	0.3	2.26	6	<10	455	0.5	<2	1.30	<0.5
B0018989	Core	2.68		0.008	0.2	2.45	<2	<10	568	0.7	2	0.50	<0.5
B0018990	Core	2.38		0.008	0.3	2.28	2	<10	383	0.5	2	1.13	<0.5
B0018991	Core	0.96		0.012	0.2	3.45	27	<10	449	0.7	<2	2.25	<0.5
B0018992	Core	0.76		0.018	0.3	3.64	32	12	401	0.7	<2	2.34	<0.5
B0018993	Core	2.38		0.008	<0.2	2.55	<2	<10	424	0.6	2	0.97	<0.5
B0018994	Core	2.29		<0.005	<0.2	2.13	3	12	394	0.5	2	1.32	<0.5
B0018995	Core	2.50		0.013	0.3	2.40	4	<10	412	0.5	3	1.23	<0.5
B0018996	Core	1.64		0.010	0.5	2.23	15	<10	168	0.5	<2	5.37	1.3
B0018997	Core	1.50		0.022	0.4	3.06	37	<10	452	<0.5	<2	1.90	<0.5
B0018998	Core	1.36		0.053	0.6	3.44	24	<10	201	0.8	<2	2.02	<0.5
B0018999	Core	0.88		0.070	0.5	3.62	38	13	184	0.7	4	1.58	0.5
B0019000	Core	1.10		0.180	3.7	3.59	117	<10	129	1.0	3	3.62	6.2
DUP B0018739				0.005									
DUP B0018774				0.011									
DUP B0018806				0.013									
DUP B0018849				0.059									
DUP B0018878				0.011									

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
DUP B0018898				0.018									
DUP B0018725					0.2	2.26	20	<10	130	<0.5	<2	0.81	<0.5
DUP B0018770					0.9	1.96	35	<10	105	<0.5	<2	2.96	0.8
DUP B0018792					<0.2	2.02	20	15	77	0.6	<2	1.42	<0.5
DUP B0018831					0.9	2.20	150	<10	55	<0.5	<2	3.41	4.6
DUP B0018862					0.9	3.13	49	<10	104	0.6	<2	1.79	0.8
DUP B0018974					0.7	3.53	39	<10	338	<0.5	3	1.87	0.6
STD BLANK				<0.005									
STD BLANK				<0.005									
STD BLANK				<0.005									
STD BLANK				<0.005									
STD BLANK				<0.005									
STD BLANK				<0.005									
STD BLANK					<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5
STD BLANK					<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5
STD BLANK					<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5
STD BLANK					<0.2	<0.01	2	22	<10	<0.5	<2	<0.01	<0.5
STD BLANK					<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5
STD BLANK					<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5
STD OxA131				0.072									
STD OxD127				0.450									
STD OxA131				0.073									
STD OxJ120				2.412									
STD OxG124				0.908									
STD OxJ120				2.472									

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
STD OREAS 601					49.9	0.79	311	<10	205	0.6	24	1.04	8.0
STD OREAS 24b					<0.2	3.28	5	18	150	1.6	<2	0.47	<0.5
STD OREAS 24b					<0.2	3.14	4	<10	144	1.5	<2	0.45	<0.5
STD OREAS 24b					<0.2	3.13	8	<10	142	1.5	5	0.45	<0.5
STD OREAS 601					48.2	0.83	311	<10	255	0.6	20	1.08	7.7
STD OREAS 24b					<0.2	3.06	6	<10	139	1.5	4	0.44	<0.5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
Granite Blank	5	59	8	1.79	<10	<1	0.10	<10	0.50	493	2	0.12	3
Granite Blank	4	50	7	1.88	<10	<1	0.11	<10	0.52	514	2	0.12	3
B0018714	11	45	49	3.57	12	<1	1.30	<10	1.57	448	1	0.38	20
B0018715	10	49	34	2.46	<10	<1	0.23	<10	1.01	783	6	0.11	29
B0018716	24	52	124	4.39	<10	<1	0.23	<10	1.24	1155	61	0.04	78
B0018717	7	18	27	2.27	<10	<1	0.18	<10	1.02	488	24	0.06	11
B0018718	5	22	24	2.18	<10	<1	0.18	<10	0.92	453	3	0.08	1
B0018719	5	27	23	2.41	<10	<1	0.29	<10	0.73	835	3	0.04	3
B0018720	18	148	346	3.22	<10	<1	0.19	<10	1.66	464	6	0.38	175
B0018721	5	21	20	2.32	<10	<1	0.33	<10	0.97	500	4	0.08	2
B0018722	4	19	13	2.23	<10	<1	0.33	<10	1.01	974	3	0.04	2
B0018722PD	4	17	12	2.15	<10	<1	0.31	<10	1.03	913	3	0.04	2
B0018723	5	16	11	2.74	<10	<1	1.02	<10	1.44	368	3	0.15	2
B0018724	<1	7	1	0.07	<10	<1	<0.01	<10	0.52	102	<1	<0.01	<1
B0018725	5	21	20	2.66	<10	<1	0.74	<10	1.32	356	4	0.18	2
B0018726	4	18	13	2.51	<10	<1	0.86	<10	1.18	266	1	0.14	2
B0018727	5	16	7	2.38	<10	<1	0.82	<10	1.14	228	2	0.16	1
B0018728	5	18	5	2.54	<10	<1	0.76	<10	1.27	230	4	0.18	2
B0018729	4	23	6	1.94	<10	<1	0.55	<10	0.98	243	3	0.19	2
B0018730	4	22	10	2.10	<10	<1	0.49	<10	0.95	193	3	0.21	1
B0018731	4	24	12	1.93	<10	<1	0.40	<10	0.66	164	3	0.20	2
B0018732	4	23	16	2.02	<10	<1	0.40	<10	0.64	163	3	0.23	<1
B0018733	5	21	24	2.36	<10	<1	0.63	<10	0.85	214	3	0.23	2
B0018734	6	24	10	2.18	<10	<1	0.57	<10	1.04	227	4	0.17	2
B0018735	7	22	21	2.39	<10	<1	0.74	<10	1.01	257	4	0.15	5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
B0018736	12	81	163	3.68	11	<1	1.38	<10	2.10	411	2	0.17	35
B0018737	13	44	3612	4.75	15	<1	0.74	<10	1.80	452	1	0.24	30
B0018738	14	52	114	3.21	<10	<1	0.57	<10	1.43	324	1	0.14	27
B0018739	15	52	43	4.14	<10	<1	0.37	<10	1.85	454	2	0.05	31
B0018740	15	27	88	9.09	14	<1	0.23	<10	0.90	458	5	0.02	30
B0018741	14	40	107	4.27	<10	<1	0.28	<10	1.67	1591	7	0.02	12
B0018742	22	21	174	5.41	12	<1	0.49	<10	1.54	655	<1	0.25	8
B0018743	19	22	93	4.46	13	<1	0.71	<10	1.53	591	<1	0.38	7
B0018743PD	20	24	91	4.40	12	<1	0.72	<10	1.52	588	1	0.43	7
B0018744	<1	4	1	0.05	<10	<1	<0.01	<10	0.42	81	<1	<0.01	<1
B0018745	13	18	62	2.98	11	<1	0.73	<10	1.16	416	1	0.35	7
B0018746	12	48	74	4.00	17	<1	0.96	<10	1.85	594	1	0.27	25
B0018747	11	84	59	2.85	15	<1	1.16	<10	1.57	310	1	0.20	35
B0018748	16	80	68	3.63	14	<1	1.09	<10	1.63	345	2	0.30	50
B0018749	17	85	48	4.61	18	<1	1.31	<10	2.21	414	4	0.16	44
B0018750	14	53	68	4.28	15	<1	0.77	<10	1.63	1692	12	0.08	22
B0018751	23	32	72	5.86	20	<1	1.55	<10	2.48	419	1	0.29	8
B0018752	23	29	75	5.63	20	<1	1.55	<10	2.41	403	2	0.29	8
B0018753	14	35	42	3.56	11	<1	0.99	<10	1.30	620	1	0.18	6
B0018754	22	25	34	4.89	17	<1	0.99	<10	1.72	380	1	0.38	6
B0018755	21	57	69	4.85	18	<1	1.12	<10	1.70	356	2	0.31	29
B0018756	19	93	80	4.53	15	<1	0.91	<10	1.57	719	2	0.20	48
B0018757	14	69	116	4.06	15	<1	0.78	<10	1.55	747	3	0.18	38
B0018758	11	66	51	3.15	14	<1	0.71	<10	1.41	591	3	0.19	33
B0018759	8	63	57	1.86	<10	<1	0.37	<10	0.80	506	2	0.25	24

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
B0018760	18	153	327	3.30	11	<1	0.19	<10	1.70	473	6	0.36	176
B0018761	14	60	89	3.22	15	<1	0.48	<10	1.10	437	2	0.40	27
B0018762	14	70	128	4.03	16	<1	0.88	<10	1.64	899	2	0.13	35
B0018763	10	62	88	3.51	15	<1	0.66	<10	1.76	381	1	0.11	27
B0018764	<1	7	2	0.07	<10	<1	<0.01	<10	0.54	94	<1	<0.01	<1
B0018765	9	56	60	3.74	17	<1	0.87	<10	2.13	407	1	0.16	30
B0018766	15	60	87	4.07	18	<1	1.12	<10	2.03	441	2	0.28	43
B0018767	17	75	96	3.63	15	<1	1.21	<10	1.95	452	1	0.17	42
B0018768	16	56	73	4.29	15	1	0.42	<10	2.09	609	2	0.08	41
B0018769	4	30	37	1.94	<10	<1	0.13	<10	0.57	271	5	0.21	3
B0018770	7	66	100	3.93	13	<1	0.30	<10	0.75	346	4	0.15	16
B0018771	13	74	104	3.90	16	<1	0.73	<10	1.96	503	2	0.11	39
B0018772	14	69	106	3.88	16	<1	0.71	<10	1.89	521	2	0.13	40
B0018773	15	78	95	4.21	17	<1	0.90	<10	1.89	395	3	0.28	39
B0018774	19	65	111	4.22	16	<1	0.66	<10	1.70	441	6	0.20	44
B0018775	17	77	97	4.47	15	<1	0.79	<10	1.91	1008	4	0.16	45
B0018776	16	69	83	3.89	14	1	0.41	<10	1.72	581	5	0.08	40
B0018776PD	15	75	79	3.77	14	<1	0.42	<10	1.74	563	6	0.08	40
B0018777	22	77	133	4.09	13	<1	0.31	<10	1.30	584	70	0.07	81
B0018778	14	58	84	3.18	<10	<1	0.19	<10	1.09	1156	30	0.05	52
B0018779	17	75	225	3.52	<10	<1	0.35	<10	0.86	2562	112	0.01	73
B0018780	13	27	82	8.90	16	<1	0.22	<10	0.90	450	6	0.03	30
B0018781	11	58	99	3.60	12	<1	0.24	<10	1.13	1697	80	0.04	58
B0018782	15	65	57	3.56	15	<1	0.50	<10	1.12	451	6	0.21	34
B0018783	16	59	60	3.95	14	<1	0.45	<10	1.28	461	3	0.19	38

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
B0018784	<1	4	1	0.06	<10	<1	<0.01	<10	0.73	98	<1	<0.01	<1
B0018785	13	71	92	3.15	14	<1	0.38	<10	1.13	373	5	0.16	43
B0018786	16	75	78	3.82	14	<1	0.35	<10	1.46	397	24	0.13	52
B0018787	15	58	59	4.10	13	<1	0.49	<10	1.67	582	4	0.14	37
B0018788	18	82	89	4.29	14	<1	0.44	<10	1.70	423	44	0.11	60
B0018789	16	54	86	4.38	13	<1	0.36	<10	1.65	847	8	0.10	42
B0018790	15	85	63	3.84	14	<1	0.52	<10	1.85	494	5	0.17	39
B0018791	12	72	37	3.23	12	<1	0.35	<10	1.64	412	3	0.09	34
B0018792	12	70	36	3.19	13	<1	0.34	<10	1.65	401	3	0.09	34
B0018793	12	86	73	3.20	13	<1	0.26	<10	1.03	428	12	0.22	47
B0018794	7	68	34	1.90	<10	<1	0.06	<10	0.26	390	14	0.15	32
B0018795	8	39	30	2.93	<10	<1	0.17	<10	0.80	355	3	0.21	4
B0018796	8	37	37	3.20	<10	<1	0.26	<10	0.84	418	3	0.22	2
B0018797	12	60	61	3.60	13	<1	0.16	<10	1.49	584	11	0.12	23
B0018798	11	53	63	4.11	12	<1	0.23	<10	1.56	972	9	0.12	18
B0018799	10	79	52	3.52	12	<1	0.32	<10	1.79	1057	24	0.05	50
B0018800	18	151	330	3.26	11	<1	0.19	<10	1.69	470	7	0.35	176
B0018801	9	113	77	2.51	<10	<1	0.12	<10	0.76	831	31	0.12	102
B0018802	12	99	49	2.31	<10	<1	0.16	<10	1.19	1411	26	0.06	86
B0018803	22	88	921	8.81	15	<1	0.08	<10	0.94	2579	7	<0.01	90
B0018804	<1	5	1	0.08	<10	<1	<0.01	<10	0.85	109	<1	<0.01	<1
B0018805	11	92	88	3.27	<10	<1	0.24	<10	1.38	2055	6	<0.01	63
B0018806	15	64	140	4.08	12	<1	0.30	<10	1.33	1263	3	0.02	60
B0018807	9	67	75	2.54	<10	<1	0.28	<10	0.79	1363	9	0.01	33
B0018808	13	81	96	3.45	10	<1	0.23	<10	1.14	1013	5	0.08	59

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
B0018809	11	86	68	3.15	11	<1	0.17	<10	1.42	424	5	0.16	57
B0018810	12	77	87	3.10	12	<1	0.27	<10	0.68	375	7	0.22	68
B0018811	6	64	51	2.11	12	<1	0.50	<10	1.08	260	3	0.13	20
B0018812	6	70	44	2.20	12	<1	0.61	<10	1.11	265	3	0.13	22
B0018813	7	50	36	2.19	14	<1	0.46	<10	1.19	347	1	0.14	18
B0018814	8	46	66	2.58	10	<1	0.26	<10	1.17	410	2	0.09	20
B0018815	9	47	59	2.75	<10	<1	0.22	<10	1.38	681	1	0.07	24
B0018816	10	46	70	3.09	10	<1	0.17	<10	1.56	733	2	0.05	25
B0018817	9	46	57	2.86	<10	<1	0.16	<10	1.59	751	<1	0.05	25
B0018818	8	69	59	1.80	<10	<1	0.16	<10	1.03	358	1	0.05	27
B0018819	13	86	62	1.79	<10	<1	0.17	<10	0.87	317	3	0.07	39
B0018820	12	28	83	8.90	14	1	0.23	<10	0.94	445	5	0.03	31
B0018821	20	83	65	2.12	<10	<1	0.16	<10	1.08	368	4	0.07	49
B0018822	12	59	51	2.83	11	<1	0.15	<10	1.67	623	2	0.10	30
B0018822PD	12	55	47	2.80	11	<1	0.15	<10	1.64	619	1	0.10	30
B0018823	11	62	46	2.69	11	<1	0.16	<10	1.68	614	1	0.11	25
B0018824	<1	3	1	0.08	<10	<1	<0.01	<10	0.77	106	<1	0.01	<1
B0018825	12	91	77	2.80	10	<1	0.17	<10	1.24	684	7	0.13	49
B0018826	11	83	83	3.21	13	1	0.12	<10	1.41	726	5	0.18	44
B0018827	14	97	93	3.43	11	<1	0.14	<10	1.46	678	7	0.18	57
B0018828	13	80	74	3.59	12	<1	0.18	<10	1.45	599	6	0.31	45
B0018829	23	62	96	5.99	16	<1	0.13	<10	1.99	586	2	0.21	18
B0018830	12	69	71	3.48	11	<1	0.10	<10	1.22	881	7	0.11	33
B0018831	13	64	75	3.11	<10	<1	0.17	<10	1.15	986	3	0.18	41
B0018832	14	78	79	3.23	10	<1	0.18	<10	1.17	1055	3	0.19	43

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
B0018833	12	68	67	2.34	<10	<1	0.15	<10	0.54	344	13	0.32	65
B0018834	13	74	80	2.60	<10	<1	0.17	<10	0.24	149	26	0.39	92
B0018835	14	74	88	2.87	<10	<1	0.18	<10	0.50	301	5	0.24	48
B0018836	12	75	69	2.56	<10	<1	0.22	<10	0.76	385	4	0.28	37
B0018837	13	62	79	3.50	12	<1	0.42	<10	1.24	784	3	0.19	28
B0018838	12	74	93	3.35	<10	<1	0.37	<10	1.01	442	3	0.26	38
B0018839	12	100	64	3.11	10	<1	0.22	<10	0.89	405	3	0.19	46
B0018840	18	151	339	3.13	<10	<1	0.18	<10	1.71	446	6	0.33	172
B0018841	13	27	45	4.51	13	<1	0.11	<10	1.23	791	2	0.26	8
B0018842	12	70	97	3.07	<10	<1	0.12	<10	0.66	703	6	0.19	75
B0018843	11	60	81	2.92	<10	<1	0.09	<10	0.86	1378	44	0.08	117
B0018844	<1	6	1	0.06	<10	1	<0.01	<10	0.71	108	<1	0.01	<1
B0018845	11	94	81	3.82	<10	<1	0.21	<10	1.53	1704	66	0.05	123
B0018846	13	89	122	4.22	<10	<1	0.23	<10	1.50	1199	61	0.13	102
B0018847	9	48	16	3.26	11	<1	0.23	<10	1.09	1116	7	0.05	16
B0018848	15	48	55	7.66	17	<1	0.32	<10	1.03	1699	22	<0.01	37
B0018849	13	51	261	4.47	<10	<1	0.20	<10	1.25	1454	10	0.02	49
B0018850	10	115	92	3.19	<10	<1	0.35	<10	1.23	1107	17	0.02	74
B0018851	9	131	114	2.73	<10	<1	0.13	<10	1.07	1139	21	0.08	88
B0018851PD	9	145	122	2.87	<10	<1	0.14	<10	1.12	1122	22	0.09	93
B0018852	10	172	110	3.01	<10	<1	0.13	<10	1.11	1135	20	0.11	89
B0018853	11	188	79	2.52	<10	<1	0.20	<10	0.37	209	6	0.26	89
B0018854	20	160	97	3.29	12	<1	0.23	<10	0.56	285	4	0.38	89
B0018855	17	161	95	3.02	<10	<1	0.17	<10	0.74	481	3	0.30	87
B0018856	15	143	91	3.04	<10	<1	0.24	<10	0.45	294	2	0.33	64

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
B0018857	19	125	104	4.21	<10	<1	0.35	<10	0.64	339	1	0.42	63
B0018858	15	119	99	3.46	<10	<1	0.16	<10	0.48	509	3	0.28	70
B0018859	12	131	90	3.00	<10	<1	0.24	<10	0.50	471	3	0.36	70
B0018860	18	144	331	3.09	<10	<1	0.18	<10	1.66	452	6	0.36	171
B0018861	12	169	89	2.85	<10	<1	0.21	<10	0.27	285	3	0.33	72
B0018862	18	64	85	4.58	13	<1	0.46	<10	1.52	823	1	0.41	31
B0018863	14	130	76	3.27	12	<1	0.36	<10	1.03	535	2	0.35	60
B0018864	<1	4	1	0.07	<10	<1	<0.01	<10	0.83	122	<1	<0.01	<1
B0018865	16	133	98	3.74	12	2	0.34	<10	0.90	503	2	0.39	57
B0018866	14	95	79	3.18	<10	<1	0.23	<10	0.45	411	2	0.39	56
B0018867	21	190	118	5.03	15	<1	1.17	<10	1.79	586	2	0.45	64
B0018868	16	91	94	4.08	10	<1	0.36	<10	0.56	366	2	0.48	40
B0018869	11	133	90	2.63	<10	<1	0.24	<10	0.41	506	5	0.26	65
B0018870	16	119	90	3.77	10	<1	0.54	<10	0.95	476	3	0.41	60
B0018871	12	125	70	2.78	10	<1	0.42	<10	0.71	445	3	0.35	38
B0018872	12	113	83	3.43	13	<1	0.41	<10	0.87	434	2	0.39	35
B0018873	17	105	100	3.99	16	<1	0.72	<10	1.08	510	2	0.44	33
B0018874	10	125	52	2.08	10	2	0.21	<10	0.31	298	2	0.36	46
B0018875	10	106	67	2.24	<10	<1	0.14	<10	0.25	436	4	0.30	55
B0018876	15	90	98	4.19	12	<1	0.57	<10	1.25	569	2	0.30	43
B0018877	15	136	79	3.51	<10	<1	0.14	<10	0.77	723	4	0.33	54
B0018878	26	115	87	3.96	14	<1	0.22	<10	1.32	521	1	0.44	91
B0018879	13	109	94	3.51	<10	<1	0.27	<10	1.15	1023	5	0.07	52
B0018880	18	142	337	3.05	<10	<1	0.17	<10	1.65	450	7	0.35	172
B0018881	23	114	85	3.80	12	<1	0.25	<10	1.02	519	2	0.35	86

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
B0018882	17	66	97	4.10	13	<1	0.28	<10	1.37	896	2	0.41	43
B0018883	13	67	85	3.22	<10	<1	0.33	<10	0.99	1164	2	0.18	44
B0018884	<1	6	1	0.06	<10	<1	<0.01	<10	0.74	109	<1	<0.01	<1
B0018885	15	72	86	3.70	13	<1	0.65	<10	1.15	779	2	0.33	38
B0018886	16	142	112	4.12	12	<1	0.78	<10	1.39	491	4	0.31	68
B0018886PD	15	144	104	3.82	11	<1	0.73	<10	1.24	473	4	0.32	65
B0018887	11	97	115	3.38	13	<1	0.63	<10	1.00	603	3	0.39	45
B0018888	6	63	60	2.73	<10	<1	0.39	<10	0.84	685	<1	0.21	16
B0018889	20	113	108	4.32	14	<1	0.58	<10	1.52	704	3	0.39	51
B0018890	21	54	80	4.49	14	<1	0.18	<10	1.57	1066	<1	0.16	20
B0018891	23	108	108	4.26	14	<1	0.77	<10	1.25	504	2	0.50	46
B0018892	23	121	104	4.46	13	<1	0.94	<10	1.36	519	1	0.54	52
B0018893	15	115	121	4.19	13	<1	0.87	<10	1.48	620	3	0.24	73
B0018894	20	68	73	4.49	13	<1	0.77	<10	1.79	771	<1	0.37	29
B0018895	13	136	113	3.36	11	<1	0.64	<10	1.24	448	7	0.23	79
B0018896	22	148	111	5.14	16	<1	1.66	<10	2.61	788	3	0.39	62
B0018897	22	110	100	4.24	13	<1	0.76	<10	1.48	550	2	0.49	53
B0018898	22	134	81	4.51	15	<1	1.67	<10	2.03	814	1	0.35	47
B0018899	7	64	53	2.82	<10	<1	0.25	<10	0.84	707	<1	0.26	7
B0018900	12	25	82	8.92	13	<1	0.24	<10	0.98	442	5	0.02	29
B0018952	12	121	31	10.40	12	<1	0.22	<10	0.04	44	12	<0.01	31
B0018953	15	65	100	4.01	14	<1	1.23	<10	1.48	658	2	0.31	44
B0018954	28	158	75	3.84	13	<1	1.12	<10	2.03	621	1	0.33	90
B0018955	14	74	105	3.82	13	<1	0.74	<10	1.26	639	3	0.28	73
B0018956	14	61	93	3.87	13	<1	1.04	<10	1.35	558	3	0.43	38

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
B0018957	11	62	94	3.17	10	<1	0.65	<10	1.12	674	4	0.21	47
B0018958	15	59	119	3.79	10	<1	0.36	<10	1.12	654	4	0.21	45
B0018959	15	56	85	4.67	14	<1	0.70	<10	2.00	1010	2	0.18	25
B0018960	18	139	339	3.18	<10	2	0.19	<10	1.80	444	6	0.32	170
B0018961	15	49	105	4.87	12	<1	0.55	<10	1.76	1549	3	0.13	43
B0018962	17	74	82	3.25	<10	<1	0.28	<10	1.25	1431	2	0.10	41
B0018963	16	71	83	3.87	10	<1	1.16	<10	1.67	900	3	0.22	36
B0018964	<1	7	1	0.07	<10	<1	<0.01	<10	0.93	104	<1	<0.01	<1
B0018965	9	52	58	2.45	<10	<1	0.36	<10	0.85	1119	3	0.15	25
B0018966	11	51	79	3.39	12	<1	0.66	<10	1.18	1135	2	0.30	29
B0018967	10	61	77	2.95	14	<1	0.43	<10	1.23	605	2	0.13	40
B0018968	11	81	99	3.15	13	<1	0.57	<10	0.79	737	4	0.27	51
B0018969	15	53	76	3.67	16	<1	0.46	<10	1.02	1006	2	0.36	24
B0018970	12	44	88	3.33	12	<1	0.27	<10	1.00	1187	2	0.23	21
B0018971	12	66	62	3.53	17	<1	0.79	<10	1.39	816	2	0.31	25
B0018972	12	61	61	3.46	16	<1	0.74	<10	1.37	844	2	0.30	24
B0018973	8	67	62	2.75	11	<1	0.84	<10	1.04	668	2	0.24	16
B0018974	13	66	100	4.28	17	<1	0.84	<10	1.55	774	2	0.37	29
B0018975	11	93	106	2.92	<10	<1	0.16	<10	0.87	1244	4	0.15	45
B0018975PD	11	95	82	2.69	10	<1	0.19	<10	0.92	1242	3	0.19	43
B0018976	14	109	126	4.50	14	<1	0.29	<10	1.30	752	3	0.19	50
B0018977	10	135	93	3.17	11	<1	0.19	<10	1.05	940	4	0.13	52
B0018978	9	126	87	2.14	<10	<1	0.10	<10	0.69	878	5	0.15	55
B0018979	9	96	76	2.44	<10	<1	0.25	<10	0.91	874	4	0.13	45
B0018980	13	26	78	8.58	16	<1	0.22	<10	0.87	433	5	0.02	29

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
B0018981	7	71	70	2.34	10	<1	0.21	<10	1.00	1720	3	0.12	40
B0018982	50	107	199	5.33	17	<1	0.69	<10	1.93	952	2	0.20	56
B0018983	18	125	105	3.12	14	<1	0.45	<10	1.05	477	1	0.38	60
B0018984	<1	6	2	0.08	<10	<1	<0.01	<10	0.75	113	<1	<0.01	<1
B0018985	12	104	99	3.20	12	<1	0.73	<10	1.20	1263	2	0.23	42
B0018986	14	142	98	2.86	12	<1	0.85	<10	1.12	528	3	0.27	47
B0018987	11	128	82	2.35	12	<1	0.87	<10	0.98	449	2	0.18	45
B0018988	9	112	92	2.45	13	<1	0.97	<10	1.10	464	<1	0.13	44
B0018989	9	82	58	2.79	14	<1	1.07	<10	1.53	505	<1	0.13	42
B0018990	9	104	60	2.56	13	<1	0.84	<10	1.22	517	1	0.14	33
B0018991	12	95	38	2.95	15	<1	1.43	<10	1.61	631	<1	0.22	28
B0018992	12	82	44	2.72	14	<1	1.29	<10	1.43	561	<1	0.23	29
B0018993	7	74	35	2.71	14	<1	1.03	<10	1.44	503	1	0.17	18
B0018994	7	76	25	2.26	13	<1	0.74	<10	1.22	481	<1	0.18	18
B0018995	10	87	46	2.96	13	<1	0.96	<10	1.44	530	5	0.16	26
B0018996	12	67	62	2.67	12	<1	0.50	<10	1.15	942	3	0.16	36
B0018997	17	84	83	3.16	14	<1	1.02	<10	1.61	526	2	0.26	48
B0018998	15	60	74	3.61	12	<1	1.00	<10	1.28	545	3	0.44	18
B0018999	16	89	71	4.64	16	<1	0.99	<10	1.94	746	1	0.34	28
B0019000	23	117	107	6.95	16	<1	0.43	<10	2.51	1905	1	0.11	41
DUP B0018739													
DUP B0018774													
DUP B0018806													
DUP B0018849													
DUP B0018878													

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
DUP B0018898													
DUP B0018725	5	20	20	2.64	<10	<1	0.72	<10	1.31	357	3	0.18	2
DUP B0018770	7	72	99	3.95	11	<1	0.31	<10	0.76	351	4	0.16	15
DUP B0018792	11	73	35	3.16	12	<1	0.33	<10	1.62	397	3	0.09	33
DUP B0018831	13	66	75	3.12	10	<1	0.17	<10	1.15	990	3	0.17	40
DUP B0018862	18	65	84	4.59	13	<1	0.46	<10	1.52	821	1	0.42	31
DUP B0018974	13	66	101	4.30	17	<1	0.84	<10	1.55	774	2	0.37	30
STD BLANK													
STD BLANK													
STD BLANK													
STD BLANK													
STD BLANK													
STD BLANK													
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD OxA131													
STD OxD127													
STD OxA131													
STD OxJ120													
STD OxG124													
STD OxJ120													

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
STD OREAS 601	5	43	1011	2.17	<10	<1	0.25	12	0.18	432	4	0.08	24
STD OREAS 24b	15	109	37	4.09	15	<1	1.20	15	1.41	347	4	0.11	58
STD OREAS 24b	15	104	36	3.96	16	<1	1.16	14	1.37	336	4	0.10	56
STD OREAS 24b	15	105	37	3.94	13	<1	1.18	17	1.34	337	4	0.10	55
STD OREAS 601	5	42	954	2.16	<10	<1	0.24	15	0.18	428	3	0.08	23
STD OREAS 24b	15	104	37	3.85	14	<1	1.12	12	1.34	327	4	0.10	55

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
Granite Blank	419	2	0.02	3	3	24	<8	0.08	<10	27	<10	30	5
Granite Blank	438	<2	0.02	3	3	26	<8	0.08	<10	28	<10	31	<5
B0018714	959	9	0.31	4	12	113	<8	0.23	<10	124	<10	50	<5
B0018715	778	11	0.37	4	7	82	<8	0.10	<10	93	<10	42	<5
B0018716	1335	40	1.43	6	5	85	<8	0.03	<10	214	<10	62	<5
B0018717	726	9	0.37	3	2	46	<8	0.02	<10	40	<10	39	<5
B0018718	658	9	0.27	3	2	35	8	0.03	<10	20	<10	35	<5
B0018719	617	40	0.74	10	<2	41	8	0.02	<10	20	<10	36	<5
B0018720	362	205	0.12	8	3	83	<8	0.08	<10	64	<10	137	<5
B0018721	705	9	0.26	3	3	29	<8	0.05	<10	24	<10	33	<5
B0018722	693	16	0.35	7	<2	52	<8	0.01	<10	20	<10	42	<5
B0018722PD	684	13	0.27	5	<2	50	<8	0.01	<10	20	<10	42	<5
B0018723	729	8	0.18	4	4	43	9	0.13	<10	33	<10	46	<5
B0018724	81	<2	<0.01	<2	<2	87	<8	<0.01	<10	<1	<10	2	<5
B0018725	652	6	0.25	3	4	44	8	0.10	<10	32	<10	42	<5
B0018726	692	6	0.29	<2	5	22	8	0.11	<10	34	<10	37	<5
B0018727	664	7	0.15	<2	5	28	9	0.11	<10	33	<10	32	<5
B0018728	670	6	0.15	2	5	32	8	0.12	<10	35	<10	33	<5
B0018729	666	10	0.10	<2	4	47	<8	0.10	<10	30	<10	30	<5
B0018730	682	8	0.15	<2	4	56	<8	0.09	<10	32	<10	29	<5
B0018731	691	5	0.17	<2	4	62	<8	0.08	<10	29	<10	22	<5
B0018732	688	8	0.25	3	4	75	<8	0.08	<10	29	<10	24	<5
B0018733	688	5	0.37	<2	4	83	<8	0.09	<10	28	<10	27	<5
B0018734	688	8	0.19	4	5	31	<8	0.10	<10	34	<10	27	<5
B0018735	650	5	0.21	<2	4	37	8	0.11	<10	31	<10	24	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0018736	1084	11	0.39	4	10	41	<8	0.22	<10	134	<10	157	<5
B0018737	1109	13	1.17	3	10	286	<8	0.19	<10	127	<10	196	<5
B0018738	1084	9	0.35	3	7	41	<8	0.19	<10	125	<10	63	<5
B0018739	1099	16	0.86	3	5	28	<8	0.04	<10	87	<10	81	<5
B0018740	608	389	1.21	7	<2	183	<8	0.02	<10	24	22	861	14
B0018741	934	301	0.84	<2	8	66	<8	0.02	<10	122	<10	483	<5
B0018742	1395	25	1.62	<2	11	87	<8	0.23	<10	159	<10	104	<5
B0018743	1363	23	1.06	6	12	165	<8	0.24	<10	156	<10	132	<5
B0018743PD	1378	22	1.04	2	12	181	<8	0.25	<10	158	<10	126	<5
B0018744	76	<2	<0.01	<2	<2	92	<8	<0.01	<10	<1	<10	<1	<5
B0018745	956	26	0.62	<2	12	139	<8	0.23	<10	126	<10	72	<5
B0018746	1076	46	0.67	<2	9	117	<8	0.19	<10	111	<10	86	<5
B0018747	968	8	0.39	3	12	43	<8	0.21	<10	125	<10	44	<5
B0018748	1077	11	0.78	<2	10	180	<8	0.21	<10	131	<10	45	<5
B0018749	949	10	1.07	<2	13	64	<8	0.21	<10	188	<10	51	<5
B0018750	898	14	0.74	2	12	565	<8	0.15	<10	135	<10	57	<5
B0018751	1280	11	0.82	<2	23	135	<8	0.24	<10	214	<10	64	<5
B0018752	1318	10	0.75	<2	22	134	<8	0.24	<10	212	<10	64	<5
B0018753	695	7	0.61	<2	12	340	<8	0.14	<10	119	<10	37	<5
B0018754	1333	9	0.83	<2	16	129	<8	0.28	<10	178	<10	56	<5
B0018755	1216	12	1.38	<2	11	98	<8	0.22	<10	136	<10	196	<5
B0018756	1221	8	1.65	<2	10	159	<8	0.19	<10	122	<10	35	<5
B0018757	829	12	1.19	<2	8	203	<8	0.18	<10	101	<10	36	<5
B0018758	886	15	0.72	<2	8	106	<8	0.16	<10	109	<10	39	<5
B0018759	722	13	0.33	<2	4	323	<8	0.13	<10	62	<10	47	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0018760	347	205	0.12	8	4	88	<8	0.09	<10	64	<10	131	5
B0018761	1118	18	0.93	<2	8	170	<8	0.20	<10	103	<10	44	<5
B0018762	893	323	0.95	<2	10	71	<8	0.21	<10	126	<10	6492	<5
B0018763	808	8	0.23	3	11	36	<8	0.21	<10	134	<10	81	<5
B0018764	47	<2	<0.01	<2	<2	93	<8	<0.01	<10	<1	<10	<1	<5
B0018765	888	11	0.45	2	10	59	<8	0.18	<10	127	<10	46	<5
B0018766	1199	9	0.92	3	10	96	<8	0.20	<10	114	<10	54	<5
B0018767	901	5	0.46	<2	13	39	<8	0.24	<10	132	<10	65	<5
B0018768	1197	16	0.52	3	6	23	<8	0.19	<10	95	<10	57	<5
B0018769	660	9	0.31	<2	3	49	<8	0.09	<10	27	<10	35	7
B0018770	413	22	1.53	<2	<2	187	<8	0.05	<10	29	<10	79	<5
B0018771	905	78	0.52	<2	9	38	<8	0.16	<10	112	<10	86	<5
B0018772	931	38	0.58	<2	9	55	<8	0.15	<10	107	<10	71	<5
B0018773	883	9	1.12	3	12	76	<8	0.22	<10	140	<10	33	<5
B0018774	1018	12	1.41	<2	9	66	<8	0.14	<10	139	<10	29	<5
B0018775	921	98	1.24	<2	9	89	<8	0.14	<10	130	<10	85	<5
B0018776	809	32	1.25	<2	7	74	<8	0.15	<10	140	<10	39	<5
B0018776PD	849	33	1.11	3	8	64	<8	0.15	<10	143	<10	41	<5
B0018777	883	46	1.76	<2	5	67	<8	0.11	<10	304	<10	54	5
B0018778	777	198	1.24	3	4	62	<8	0.04	<10	126	<10	1339	<5
B0018779	905	2436	1.70	<2	3	121	<8	0.03	<10	204	<10	7897	<5
B0018780	578	386	1.21	2	<2	175	<8	0.02	<10	23	21	815	15
B0018781	963	101	1.51	2	4	288	<8	0.09	<10	110	<10	321	<5
B0018782	1099	10	1.89	2	9	273	<8	0.11	<10	94	<10	32	<5
B0018783	970	9	2.07	2	7	174	<8	0.11	<10	80	<10	18	5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0018784	92	<2	<0.01	<2	<2	95	<8	<0.01	<10	<1	<10	<1	<5
B0018785	850	14	1.57	<2	6	130	<8	0.12	<10	81	<10	36	<5
B0018786	919	13	1.94	<2	7	51	<8	0.12	<10	121	<10	32	<5
B0018787	961	9	2.09	4	6	91	<8	0.08	<10	73	<10	20	<5
B0018788	1025	13	2.27	<2	7	48	<8	0.11	<10	156	<10	27	<5
B0018789	1223	12	2.14	2	6	138	<8	0.10	<10	89	<10	114	<5
B0018790	918	14	1.68	<2	8	62	<8	0.11	<10	109	<10	26	<5
B0018791	850	6	1.20	<2	7	50	<8	0.13	<10	77	<10	19	<5
B0018792	853	5	1.19	3	7	49	<8	0.13	<10	77	<10	19	<5
B0018793	1254	7	1.51	<2	4	98	<8	0.11	<10	121	<10	16	<5
B0018794	1644	4	0.92	<2	<2	83	<8	0.08	<10	39	<10	8	<5
B0018795	1016	6	0.98	<2	6	56	<8	0.15	<10	45	<10	27	<5
B0018796	1074	8	1.17	<2	7	78	<8	0.13	<10	48	<10	35	5
B0018797	1166	8	1.28	<2	9	56	<8	0.17	<10	116	<10	39	<5
B0018798	1089	10	1.72	4	10	223	<8	0.14	<10	118	<10	47	<5
B0018799	942	13	1.35	<2	6	184	<8	0.12	<10	145	<10	50	<5
B0018800	336	213	0.12	5	3	84	<8	0.09	<10	64	<10	132	<5
B0018801	1313	17	1.00	<2	3	135	<8	0.09	<10	164	<10	38	<5
B0018802	1139	60	0.57	<2	5	84	<8	0.09	<10	166	<10	52	<5
B0018803	855	4193	9.92	5	3	99	<8	<0.01	<10	68	<10	>10000	<5
B0018804	87	<2	<0.01	<2	<2	92	<8	<0.01	<10	<1	<10	8	<5
B0018805	1042	332	1.43	2	5	141	<8	<0.01	<10	79	<10	1189	<5
B0018806	862	77	2.09	3	5	62	<8	0.02	<10	82	<10	228	<5
B0018807	684	359	1.09	<2	3	103	<8	<0.01	<10	52	<10	1633	<5
B0018808	815	203	1.66	3	5	45	<8	0.10	<10	71	<10	543	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0018809	808	16	1.56	<2	6	63	<8	0.10	<10	88	<10	50	<5
B0018810	1090	12	1.61	<2	6	141	<8	0.12	<10	89	<10	43	<5
B0018811	480	5	0.32	<2	5	45	<8	0.11	<10	42	<10	28	<5
B0018812	488	4	0.31	<2	6	35	<8	0.12	<10	48	<10	27	<5
B0018813	645	7	0.26	<2	5	43	<8	0.13	<10	45	<10	33	<5
B0018814	668	10	0.64	<2	4	40	<8	0.08	<10	41	<10	30	<5
B0018815	781	70	0.53	2	3	51	<8	0.07	<10	46	<10	564	<5
B0018816	703	63	0.36	<2	4	40	<8	0.10	<10	57	<10	112	<5
B0018817	608	39	0.36	<2	4	37	<8	0.10	<10	53	<10	165	<5
B0018818	373	10	0.25	<2	4	18	<8	0.08	<10	41	<10	30	<5
B0018819	403	22	0.40	<2	3	21	<8	0.09	<10	43	<10	40	<5
B0018820	590	389	1.15	<2	<2	179	9	0.02	<10	25	22	856	15
B0018821	446	25	0.53	<2	5	17	<8	0.11	<10	66	<10	41	<5
B0018822	716	27	0.52	<2	5	35	<8	0.11	<10	60	<10	81	<5
B0018822PD	737	25	0.51	<2	5	36	<8	0.10	<10	59	<10	75	<5
B0018823	712	18	0.44	<2	5	40	<8	0.10	<10	62	<10	52	<5
B0018824	64	<2	<0.01	<2	<2	94	<8	<0.01	<10	1	<10	1	<5
B0018825	1055	43	0.85	<2	5	59	<8	0.11	<10	114	<10	135	<5
B0018826	894	21	1.04	<2	7	115	<8	0.15	<10	100	<10	109	<5
B0018827	1074	33	1.07	4	6	66	<8	0.14	<10	124	<10	120	6
B0018828	1116	58	1.02	<2	9	100	<8	0.18	<10	133	<10	132	<5
B0018829	1342	32	1.91	<2	16	96	<8	0.22	<10	188	<10	130	<5
B0018830	978	145	1.23	<2	5	88	<8	0.12	<10	105	<10	535	<5
B0018831	867	73	1.05	4	6	109	<8	0.08	<10	92	<10	417	<5
B0018832	859	87	1.10	<2	6	119	<8	0.09	<10	93	<10	507	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0018833	1140	24	1.07	3	4	157	<8	0.09	<10	79	<10	190	<5
B0018834	1045	29	1.35	<2	3	193	<8	0.09	<10	93	<10	204	<5
B0018835	958	23	1.28	<2	5	98	<8	0.11	<10	95	<10	69	<5
B0018836	934	22	0.96	<2	6	95	<8	0.12	<10	104	<10	72	<5
B0018837	902	30	1.04	3	8	115	<8	0.16	<10	115	<10	242	<5
B0018838	827	15	1.55	<2	8	85	<8	0.13	<10	96	<10	87	<5
B0018839	819	22	1.42	4	6	97	<8	0.10	<10	91	<10	131	<5
B0018840	340	214	0.12	8	3	77	<8	0.08	<10	64	<10	139	<5
B0018841	2015	34	1.63	<2	8	170	<8	0.14	<10	114	<10	199	6
B0018842	983	181	1.62	2	3	139	<8	0.08	<10	78	<10	335	<5
B0018843	1052	164	1.27	<2	3	214	<8	0.07	<10	156	<10	277	<5
B0018844	44	<2	<0.01	<2	<2	91	<8	<0.01	<10	1	<10	<1	<5
B0018845	1190	122	1.13	<2	7	198	<8	0.07	<10	478	<10	1414	<5
B0018846	1857	187	1.35	3	9	140	<8	0.08	<10	631	<10	1431	<5
B0018847	1366	32	0.58	<2	3	162	<8	0.04	<10	96	<10	520	<5
B0018848	1197	1198	4.00	<2	<2	50	<8	0.01	<10	123	<10	9092	<5
B0018849	1015	259	2.06	<2	3	82	<8	0.02	<10	176	<10	3708	<5
B0018850	885	98	1.01	<2	5	97	<8	0.05	<10	209	<10	405	<5
B0018851	1338	66	0.69	<2	4	138	<8	0.08	<10	180	<10	466	<5
B0018851PD	1371	87	0.74	<2	4	131	<8	0.08	<10	198	<10	554	6
B0018852	1364	66	0.86	2	5	139	<8	0.09	<10	189	<10	683	5
B0018853	1154	21	1.37	3	3	173	<8	0.11	<10	89	<10	195	<5
B0018854	1114	18	1.78	2	5	243	<8	0.11	<10	101	<10	108	<5
B0018855	1143	14	1.53	<2	4	167	<8	0.10	<10	82	<10	109	<5
B0018856	1102	18	1.61	4	5	151	<8	0.12	<10	81	<10	66	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	V	W	Zn	Zr
	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample ID	10	2	0.01	2	2	1	8	0.01	10	1	10	1	5
B0018857	1439	18	2.29	4	7	176	<8	0.13	<10	103	<10	102	<5
B0018858	865	32	1.90	4	3	151	<8	0.10	<10	69	<10	287	<5
B0018859	1013	21	1.65	4	4	183	<8	0.09	<10	69	<10	221	<5
B0018860	339	212	0.12	3	3	81	<8	0.08	<10	63	<10	137	<5
B0018861	952	152	1.67	2	3	135	<8	0.13	<10	64	<10	1383	<5
B0018862	2506	21	1.91	5	9	190	<8	0.17	<10	152	<10	102	<5
B0018863	1338	30	1.39	5	7	193	<8	0.16	<10	105	<10	109	<5
B0018864	80	<2	<0.01	<2	<2	102	<8	<0.01	<10	1	<10	1	<5
B0018865	1225	35	1.89	5	6	201	<8	0.14	<10	93	<10	323	<5
B0018866	1112	36	1.80	<2	3	200	<8	0.07	<10	57	<10	814	<5
B0018867	1744	17	2.35	<2	17	191	<8	0.18	<10	173	<10	113	<5
B0018868	1926	25	2.22	5	7	189	<8	0.12	<10	89	<10	68	<5
B0018869	890	20	1.44	4	4	206	<8	0.08	<10	67	<10	492	<5
B0018870	889	19	1.76	<2	7	81	<8	0.17	<10	105	<10	72	<5
B0018871	946	18	1.17	3	6	167	<8	0.12	<10	84	<10	50	<5
B0018872	927	22	1.51	3	7	145	<8	0.14	<10	99	<10	58	<5
B0018873	922	25	1.49	<2	8	179	<8	0.17	<10	105	<10	91	<5
B0018874	719	24	1.00	<2	3	227	<8	0.09	<10	47	<10	84	<5
B0018875	1210	28	1.20	5	<2	393	<8	0.08	<10	37	<10	148	<5
B0018876	1480	65	1.80	<2	12	158	<8	0.15	<10	131	<10	283	<5
B0018877	1050	50	1.56	<2	3	155	<8	0.08	<10	59	<10	99	<5
B0018878	1333	21	1.44	<2	5	298	<8	0.12	<10	93	<10	76	<5
B0018879	693	81	2.06	<2	4	74	<8	0.03	<10	88	<10	702	<5
B0018880	337	212	0.12	6	3	80	<8	0.08	<10	62	<10	139	<5
B0018881	1202	12	1.98	4	7	242	<8	0.11	<10	108	<10	113	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0018882	1103	11	1.71	3	7	310	<8	0.14	<10	95	<10	48	<5
B0018883	955	10	1.51	<2	6	231	<8	0.09	<10	78	<10	201	<5
B0018884	97	<2	<0.01	<2	<2	96	<8	<0.01	<10	<1	<10	<1	<5
B0018885	1065	6	1.60	<2	9	155	<8	0.18	<10	112	<10	62	<5
B0018886	971	9	1.74	4	9	112	<8	0.21	<10	132	<10	94	<5
B0018886PD	937	7	1.62	2	9	113	<8	0.20	<10	126	<10	99	<5
B0018887	921	10	1.26	<2	6	234	<8	0.15	<10	105	<10	37	<5
B0018888	805	11	0.79	<2	4	179	<8	0.09	<10	66	<10	58	<5
B0018889	1530	34	1.35	2	9	351	<8	0.16	<10	135	<10	212	<5
B0018890	1723	32	0.91	<2	11	268	<8	0.07	<10	122	<10	177	<5
B0018891	1762	21	1.55	3	5	375	<8	0.16	<10	103	<10	118	6
B0018892	1790	22	1.56	3	6	390	<8	0.18	<10	113	<10	112	<5
B0018893	669	10	1.89	<2	10	228	<8	0.16	<10	141	<10	315	<5
B0018894	2077	15	0.72	5	12	335	<8	0.20	<10	170	<10	71	<5
B0018895	1032	20	1.69	<2	7	148	<8	0.15	<10	135	<10	235	<5
B0018896	1813	16	1.69	4	13	283	<8	0.24	<10	181	<10	162	<5
B0018897	1680	18	1.47	<2	6	369	<8	0.19	<10	123	<10	90	<5
B0018898	1757	9	0.75	4	11	258	<8	0.23	<10	157	<10	113	<5
B0018899	977	7	0.78	<2	4	194	<8	0.09	<10	71	<10	63	<5
B0018900	586	393	1.21	5	<2	179	<8	0.02	<10	25	20	865	15
B0018952	21	3674	>10	9	<2	6	11	<0.01	<10	17	<10	2004	<5
B0018953	1204	25	1.28	5	10	147	<8	0.26	<10	149	<10	108	<5
B0018954	2070	14	0.73	<2	6	274	<8	0.21	<10	126	<10	111	<5
B0018955	915	9	1.47	5	10	174	<8	0.19	<10	132	<10	189	<5
B0018956	899	8	1.27	<2	7	225	<8	0.21	<10	124	<10	91	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0018957	863	11	1.15	<2	6	133	<8	0.15	<10	112	<10	172	<5
B0018958	1021	17	1.61	<2	6	123	<8	0.14	<10	97	<10	172	<5
B0018959	1326	14	0.74	<2	13	252	<8	0.18	<10	154	<10	97	<5
B0018960	343	218	0.12	8	3	80	<8	0.08	<10	68	<10	142	<5
B0018961	1016	12	1.13	7	10	143	<8	0.14	<10	123	<10	98	<5
B0018962	1023	12	0.85	7	6	174	<8	0.06	<10	68	<10	86	<5
B0018963	1401	11	0.71	6	9	147	<8	0.19	<10	125	<10	83	<5
B0018964	74	<2	<0.01	<2	<2	97	<8	<0.01	<10	1	<10	<1	<5
B0018965	865	6	0.72	<2	6	120	<8	0.11	<10	80	<10	111	<5
B0018966	1013	10	0.89	<2	8	173	<8	0.19	<10	95	<10	84	<5
B0018967	719	18	0.71	<2	8	87	<8	0.17	<10	87	<10	204	<5
B0018968	1181	10	1.22	<2	6	218	<8	0.16	<10	85	<10	117	<5
B0018969	1501	21	0.97	<2	8	264	<8	0.14	<10	95	<10	126	<5
B0018970	1088	25	0.87	2	5	206	<8	0.09	<10	68	<10	85	<5
B0018971	862	9	0.72	<2	11	202	<8	0.21	<10	115	<10	94	<5
B0018972	858	8	0.68	<2	11	209	<8	0.20	<10	112	<10	84	<5
B0018973	746	20	0.60	<2	8	129	<8	0.17	<10	77	<10	80	<5
B0018974	947	18	1.14	<2	11	213	<8	0.24	<10	117	<10	115	<5
B0018975	1158	10	1.25	4	5	175	<8	0.11	<10	66	<10	122	<5
B0018975PD	1258	10	0.99	<2	5	190	<8	0.12	<10	72	<10	119	<5
B0018976	906	12	2.30	<2	11	59	<8	0.16	<10	115	<10	117	<5
B0018977	1022	5	1.60	<2	7	127	<8	0.13	<10	108	<10	80	<5
B0018978	1167	12	1.09	<2	3	96	<8	0.09	<10	54	<10	130	<5
B0018979	1175	5	1.14	<2	4	119	<8	0.09	<10	54	<10	100	<5
B0018980	559	371	1.16	7	<2	169	<8	0.02	<10	22	20	792	15

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	V	W	Zn	Zr
	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample ID	10	2	0.01	2	2	1	8	0.01	10	1	10	1	5
B0018981	1796	19	0.76	<2	4	213	<8	0.10	<10	59	<10	110	<5
B0018982	1396	22	1.85	<2	14	143	<8	0.17	<10	145	<10	84	<5
B0018983	1428	16	0.95	3	8	298	<8	0.17	<10	84	<10	142	<5
B0018984	76	<2	<0.01	<2	<2	85	<8	<0.01	<10	<1	<10	<1	<5
B0018985	1114	5	0.98	3	9	274	<8	0.13	<10	84	<10	27	<5
B0018986	920	4	0.84	<2	8	105	<8	0.16	<10	72	<10	24	<5
B0018987	689	3	0.45	<2	8	76	<8	0.14	<10	76	<10	38	<5
B0018988	528	5	0.23	<2	8	87	<8	0.16	<10	64	<10	45	<5
B0018989	576	5	0.26	<2	9	40	<8	0.17	<10	63	<10	43	<5
B0018990	558	5	0.30	<2	7	70	<8	0.16	<10	70	<10	44	<5
B0018991	906	6	0.22	<2	12	157	<8	0.18	<10	86	<10	36	<5
B0018992	945	7	0.28	<2	10	181	<8	0.17	<10	75	<10	34	<5
B0018993	704	5	0.37	<2	8	81	<8	0.16	<10	67	<10	29	<5
B0018994	645	<2	0.13	<2	6	100	<8	0.14	<10	55	<10	30	<5
B0018995	719	6	0.37	<2	9	94	<8	0.17	<10	81	<10	37	<5
B0018996	776	10	0.43	<2	8	208	<8	0.11	<10	78	<10	122	<5
B0018997	1064	7	0.42	<2	10	185	<8	0.15	<10	101	<10	43	<5
B0018998	1555	10	0.80	<2	10	211	<8	0.16	<10	104	<10	44	<5
B0018999	1703	11	1.02	<2	15	155	<8	0.17	<10	132	<10	72	<5
B0019000	1870	96	2.68	<2	16	215	<8	0.02	<10	116	<10	588	<5
DUP B0018739													
DUP B0018774													
DUP B0018806													
DUP B0018849													
DUP B0018878													

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
DUP B0018898													
DUP B0018725	642	7	0.24	<2	4	44	9	0.10	<10	31	<10	41	<5
DUP B0018770	412	23	1.54	<2	<2	190	<8	0.05	<10	29	<10	79	<5
DUP B0018792	838	6	1.18	<2	7	49	<8	0.13	<10	76	<10	21	<5
DUP B0018831	873	72	1.04	4	6	109	<8	0.08	<10	93	<10	422	<5
DUP B0018862	2497	21	1.91	3	9	192	<8	0.17	<10	154	<10	104	<5
DUP B0018974	948	21	1.14	<2	11	212	<8	0.23	<10	117	<10	115	<5
STD BLANK													
STD BLANK													
STD BLANK													
STD BLANK													
STD BLANK													
STD BLANK													
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD OxA131													
STD OxD127													
STD OxA131													
STD OxJ120													
STD OxG124													
STD OxJ120													

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910221

Project Name: Dunwell
Job Received Date: 06-Sep-2019
Job Report Date: 27-Sep-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	V	W	Zn	Zr
	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample ID	10	2	0.01	2	2	1	8	0.01	10	1	10	1	5
STD OREAS 601	360	271	1.04	22	<2	37	<8	0.01	<10	9	<10	1316	25
STD OREAS 24b	647	15	0.20	<2	10	31	15	0.20	<10	80	<10	96	27
STD OREAS 24b	622	11	0.20	<2	10	29	15	0.19	<10	77	<10	92	25
STD OREAS 24b	638	11	0.19	5	10	29	14	0.20	<10	79	<10	94	24
STD OREAS 601	353	277	1.02	19	<2	38	<8	0.01	<10	10	<10	1254	24
STD OREAS 24b	608	13	0.19	<2	10	28	13	0.19	<10	79	<10	94	21

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910246**

Project Name:	Dunwell
Job Received Date:	24-Sep-2019
Job Report Date:	07-Nov-2019
Number of Samples:	256
Report Version:	Final

COMMENTS:
Coarse gold may be present in some samples.

Test results reported relate to the tested samples only on an "as received" basis. Unless otherwise stated above, sufficient sample was received for the methods requested and all samples were received in acceptable condition. Analytical results in unsigned reports marked "provisional" are subject to change, pending final QC review and approval. The customer has not provided any information than can affect the validity of the test results. Please refer to MSALABS' Schedule of Services and Fees for our complete Terms and Conditions. Preliminary results are applicable when a portion of samples in a job is 100% completed and reported or 1 of a number of methods on the same job have been completed 100%. Results cannot change, but additional results or results for additional methods can be added.

SAMPLE PREPARATION	
METHOD CODE	DESCRIPTION
PRP-910	Dry, Crush to 70% passing 2mm, Split 250g, Pulverize to 85% passing 75µm
	Sample preparation performed by MS Analytical Terrace

ANALYTICAL METHODS	
METHOD CODE	DESCRIPTION
FAS-111	Au, Fire Assay, 30g fusion, AAS, Trace Level
ICP-130	Multi-Element, 0.5g, 3:1 Aqua Regia, ICP-AES, Trace Level

Signature:

Yvette Hsi, BSc.
Laboratory Manager
MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
Granite Blank	QC-P-BK	--		<0.005	<0.2	1.08	<2	<10	95	<0.5	<2	0.68	<0.5
Granite Blank	QC-P-BK	--		<0.005	<0.2	1.06	<2	<10	86	<0.5	2	0.70	<0.5
B0026097	Core	1.96		0.007	0.7	2.45	17	<10	40	0.5	<2	3.24	<0.5
B0026098	Core	2.00		<0.005	0.7	2.83	43	<10	75	0.7	2	2.07	<0.5
B0026099	Core	1.92		<0.005	0.7	3.60	22	<10	197	0.8	<2	1.22	<0.5
B0026100	Pulp	0.10		3.041	12.5	1.48	4373	<10	169	<0.5	<2	2.67	7.8
B0026101	Core	1.50		<0.005	0.5	4.19	19	<10	327	0.9	3	1.65	<0.5
B0026102	Core	2.58		0.006	0.3	4.61	63	<10	435	<0.5	<2	2.39	<0.5
B0026103	Core	2.52		0.008	0.4	4.37	64	<10	604	<0.5	<2	2.11	0.5
B0026104	Core	2.48		<0.005	0.4	3.43	5	<10	230	0.8	<2	1.53	<0.5
B0026105	Core	2.44		<0.005	0.4	2.81	10	<10	112	0.8	<2	0.84	<0.5
B0026106	Core	2.36		<0.005	0.9	2.06	28	<10	123	<0.5	<2	1.05	<0.5
B0026107	Core	2.32		0.007	0.4	2.49	14	<10	144	<0.5	<2	1.13	0.5
B0026108	Core	2.34		<0.005	0.4	2.95	23	<10	250	<0.5	<2	1.06	<0.5
B0026109	Core	3.44		0.209	1.0	2.14	224	<10	119	<0.5	7	1.93	1.5
B0026110	Core	2.68		0.006	0.5	2.68	30	<10	156	0.6	<2	1.02	0.7
B0026111	Core	1.48		0.008	0.6	1.86	96	<10	81	0.5	<2	3.86	<0.5
B0026112	Core	--		0.009	0.5	1.84	93	<10	84	0.5	<2	4.10	0.5
B0026113	Core	1.18		0.008	0.9	2.01	50	<10	78	0.6	<2	2.18	0.7
B0026114	Core	2.42		0.008	1.8	1.98	36	<10	62	0.6	2	1.54	1.8
B0026115	Rock	1.22		<0.005	0.4	0.02	<2	<10	15	<0.5	<2	>25	<0.5
B0026116	Core	2.76		0.009	2.1	1.89	76	<10	71	0.6	<2	5.10	1.3
B0026116PD	QC-PD	--		0.010	2.1	2.03	72	<10	76	0.6	<2	5.11	1.2
B0026117	Core	2.46		0.018	2.7	2.39	168	<10	50	0.6	2	4.22	2.1
B0026118	Core	2.18		0.069	6.0	2.57	410	<10	47	0.9	11	4.60	1.7

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0026119	Core	2.66		0.071	2.3	3.22	527	<10	77	<0.5	10	3.01	1.7
B0026120	Pulp	0.10		3.908	20.7	3.27	11	<10	107	<0.5	3	2.22	1.1
B0026121	Core	2.40		0.042	4.8	3.23	398	<10	121	<0.5	<2	2.37	1.7
B0026122	Core	1.74		0.007	3.1	2.38	97	<10	56	0.6	2	1.55	<0.5
B0026123	Core	1.30		0.006	2.8	2.48	90	<10	103	0.5	<2	1.90	<0.5
B0026124	Core	1.44		0.089	4.2	2.03	2239	<10	66	0.6	4	2.09	1.9
B0026125	Core	1.52		0.011	3.3	2.48	133	<10	140	0.6	<2	1.97	0.9
B0026126	Core	2.42		0.006	1.2	1.73	26	<10	56	<0.5	6	2.33	<0.5
B0026127	Core	1.62		0.010	0.3	2.11	11	<10	115	<0.5	3	0.82	<0.5
B0026128	Core	1.58		0.008	0.5	1.78	16	<10	62	<0.5	3	1.06	<0.5
B0026129	Core	0.94		0.024	0.4	2.08	7	<10	75	<0.5	5	0.81	<0.5
B0026130	Core	2.44		<0.005	0.3	2.39	5	<10	107	<0.5	<2	0.68	<0.5
B0026131	Core	1.16		0.024	0.7	3.48	10	12	105	<0.5	9	1.55	0.8
B0026132	Core	1.10		0.022	1.0	3.85	112	<10	96	<0.5	8	1.94	0.8
B0026133	Core	2.42		<0.005	0.3	2.54	<2	<10	119	0.6	<2	0.87	<0.5
B0026134	Core	2.38		<0.005	0.2	2.53	<2	<10	111	<0.5	<2	1.13	<0.5
B0026135	Rock	1.10		<0.005	0.3	0.02	<2	<10	13	<0.5	<2	>25	<0.5
B0026136	Core	2.52		<0.005	0.2	2.80	3	<10	122	<0.5	<2	1.26	<0.5
B0026137	Core	2.50		<0.005	0.7	2.42	2	<10	96	<0.5	<2	0.96	<0.5
B0026138	Core	2.42		<0.005	0.2	2.39	<2	<10	101	<0.5	<2	1.06	<0.5
B0026139	Core	2.50		<0.005	<0.2	2.47	<2	<10	117	<0.5	2	1.22	<0.5
B0026140	Pulp	0.10		3.141	11.9	1.61	4407	22	159	<0.5	4	2.56	7.9
B0026141	Core	2.38		<0.005	<0.2	1.53	<2	<10	61	<0.5	3	0.92	<0.5
B0026142	Core	1.94		<0.005	0.3	2.46	<2	<10	84	<0.5	<2	1.22	<0.5
B0026143	Core	2.00		<0.005	0.3	2.19	2	<10	85	<0.5	<2	0.96	<0.5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0026144	Core	1.94		<0.005	0.7	3.98	9	<10	271	<0.5	<2	1.72	1.0
B0026145	Core	1.74		0.016	2.5	4.60	19	10	270	<0.5	<2	1.62	2.6
B0026146	Core	1.50		0.005	0.6	3.56	13	<10	233	0.6	2	0.93	<0.5
B0026147	Core	1.32		<0.005	0.4	4.03	25	<10	298	<0.5	<2	1.25	<0.5
B0026148	Core	2.52		0.006	0.5	3.84	13	<10	238	0.7	<2	2.05	<0.5
B0026149	Core	2.46		0.011	1.4	3.19	28	<10	53	<0.5	4	2.33	1.3
B0026150	Core	2.22		0.006	0.7	2.68	19	12	121	<0.5	<2	3.67	1.8
B0026151	Core	2.72		0.006	0.8	2.65	36	10	143	0.8	<2	6.18	0.8
B0026152	Core	--		0.007	0.9	2.69	32	<10	126	0.8	<2	7.03	0.5
B0026153	Core	2.36		0.006	0.4	3.63	24	<10	204	0.9	2	1.60	<0.5
B0026154	Core	2.46		0.005	0.4	3.42	18	<10	277	0.6	<2	3.99	<0.5
B0026155	Rock	1.16		<0.005	0.5	0.03	<2	<10	12	<0.5	<2	>25	<0.5
B0026156	Core	2.54		0.005	0.3	4.13	35	12	380	0.8	<2	1.43	<0.5
B0026157	Core	1.84		0.014	0.5	5.37	87	12	407	0.6	<2	5.33	<0.5
B0026158	Core	1.84		0.012	0.5	5.49	25	11	490	<0.5	<2	2.09	<0.5
B0026159	Core	2.42		0.008	0.3	4.67	19	12	368	<0.5	2	1.80	<0.5
B0026160	Pulp	0.08		3.894	20.8	3.60	11	13	99	<0.5	2	2.00	1.0
B0026161	Core	2.50		0.166	0.4	3.99	18	13	272	<0.5	5	1.75	<0.5
B0026162	Core	1.88		0.008	0.3	3.82	33	11	397	<0.5	<2	3.95	<0.5
B0026163	Core	1.86		0.007	0.5	4.33	52	10	432	<0.5	<2	1.92	<0.5
B0026164	Core	1.76		0.006	0.5	3.65	20	10	323	0.6	<2	1.23	<0.5
B0026165	Core	2.70		0.008	0.6	2.72	32	<10	141	0.6	<2	3.28	<0.5
B0026166	Core	2.42		0.011	0.4	2.48	22	<10	164	0.6	<2	0.83	<0.5
B0026166PD	QC-PD	--		0.011	0.3	2.40	21	11	181	0.7	3	0.49	<0.5
B0026167	Core	2.40		0.009	0.6	2.43	21	12	187	0.5	<2	1.17	<0.5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0026168	Core	1.76		0.009	0.5	2.38	14	<10	155	0.5	2	5.49	<0.5
B0026169	Core	1.64		0.008	0.6	2.39	28	10	122	0.6	<2	0.93	0.7
B0026170	Core	1.36		0.007	0.5	2.88	55	15	209	0.8	<2	1.55	<0.5
B0026171	Core	0.92		0.038	0.5	2.71	83	<10	190	<0.5	<2	2.33	<0.5
B0026172	Core	0.84		0.025	0.4	2.36	71	14	212	<0.5	<2	1.85	<0.5
B0026173	Core	1.72		0.009	0.3	2.90	69	12	224	0.7	<2	1.42	0.7
B0026174	Core	2.02		0.010	0.2	2.94	40	<10	209	0.7	<2	1.49	0.6
B0026175	Rock	1.18		<0.005	0.3	0.02	2	12	11	<0.5	<2	>25	<0.5
B0026176	Core	2.06		<0.005	<0.2	2.29	15	11	59	<0.5	<2	0.81	<0.5
B0026177	Core	1.74		<0.005	<0.2	2.45	12	<10	154	0.8	<2	0.78	<0.5
B0026178	Core	2.50		<0.005	0.4	2.06	3	<10	81	0.5	<2	3.97	<0.5
B0026179	Core	2.38		<0.005	0.8	2.37	28	<10	91	0.8	<2	2.09	<0.5
B0026180	Pulp	0.10		2.948	14.4	1.44	4402	16	150	<0.5	<2	2.64	7.4
B0026181	Core	2.72		0.046	1.9	2.17	63	<10	52	0.6	<2	4.46	0.9
B0026182	Core	2.32		0.014	1.0	2.24	37	<10	63	0.7	<2	1.91	0.8
B0026183	Core	2.42		<0.005	2.0	2.29	36	<10	47	0.6	<2	3.70	2.2
B0026184	Core	2.30		<0.005	1.3	2.22	24	11	36	0.6	<2	2.09	<0.5
B0026185	Core	2.62		0.011	1.3	2.49	29	14	60	0.6	4	2.62	5.4
B0026186	Core	2.56		0.010	0.8	2.06	17	12	41	<0.5	<2	2.14	0.6
B0026187	Core	2.54		0.005	0.6	1.79	15	<10	35	0.6	<2	1.81	0.6
B0026188	Core	2.46		<0.005	0.3	1.59	11	<10	62	<0.5	<2	0.67	<0.5
B0026189	Core	2.60		<0.005	0.6	2.71	13	<10	79	<0.5	<2	4.73	<0.5
B0026190	Core	2.26		0.005	0.5	2.15	8	<10	76	<0.5	<2	1.61	<0.5
B0026191	Core	2.18		0.010	0.8	3.11	21	10	123	0.5	<2	1.29	<0.5
B0026192	Core	--		0.013	0.8	3.09	22	11	119	0.5	<2	1.25	<0.5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0026193	Core	2.62		<0.005	0.5	2.69	27	10	64	0.6	<2	1.86	<0.5
B0026194	Core	2.60		<0.005	0.3	2.86	18	15	144	0.6	<2	1.14	<0.5
B0026195	Rock	0.90		<0.005	0.3	0.01	<2	<10	10	<0.5	<2	>25	<0.5
B0026196	Core	2.16		0.009	0.6	1.89	22	<10	56	0.5	<2	3.72	<0.5
B0026197	Core	2.40		0.156	0.7	1.88	32	<10	58	<0.5	<2	1.57	<0.5
B0026198	Core	2.30		0.006	1.3	1.87	60	<10	41	0.5	<2	3.39	1.9
B0026199	Core	2.52		0.005	0.6	2.72	29	<10	57	0.6	<2	1.75	0.5
B0026200	Core	1.84		<0.005	1.1	2.10	101	<10	123	0.7	<2	3.74	<0.5
B0026201	Pulp	0.12		3.956	18.7	3.18	9	13	96	<0.5	2	2.07	0.8
B0026202	Core	1.94		0.005	0.8	2.09	10	12	51	<0.5	2	2.31	1.0
B0026203	Core	2.48		<0.005	0.5	1.54	26	<10	63	<0.5	<2	0.83	<0.5
B0026204	Core	2.18		0.005	0.4	2.34	69	<10	102	<0.5	<2	2.02	<0.5
B0026205	Core	1.54		<0.005	0.2	3.63	10	11	108	<0.5	<2	2.16	<0.5
B0026206	Core	2.54		<0.005	0.2	2.20	5	<10	164	<0.5	<2	0.83	<0.5
B0026206PD	QC-PD	--		<0.005	0.2	2.04	7	<10	208	<0.5	<2	0.64	<0.5
B0026207	Core	2.16		0.008	<0.2	2.22	10	<10	97	0.5	<2	0.66	<0.5
B0026208	Core	2.20		0.009	0.5	1.88	11	<10	79	0.6	<2	1.22	<0.5
B0026209	Core	2.48		<0.005	0.2	2.14	7	<10	166	<0.5	<2	1.19	<0.5
B0026210	Core	2.58		<0.005	0.6	2.03	8	<10	106	<0.5	<2	1.89	<0.5
B0026211	Core	1.20		<0.005	0.4	2.22	15	10	65	<0.5	<2	0.61	0.7
B0026212	Core	1.04		<0.005	0.5	2.19	21	<10	58	<0.5	<2	0.90	1.3
B0026213	Core	2.10		0.013	0.3	1.80	18	<10	134	<0.5	<2	0.81	<0.5
B0026214	Core	2.52		<0.005	<0.2	2.53	16	<10	199	<0.5	<2	0.91	<0.5
B0026215	Rock	1.08		<0.005	0.4	0.02	<2	10	10	<0.5	<2	>25	<0.5
B0026216	Core	2.26		<0.005	0.3	2.65	15	<10	162	0.5	<2	0.82	<0.5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0026217	Core	2.70		<0.005	0.7	2.74	16	<10	81	<0.5	<2	3.30	0.7
B0026218	Core	2.48		0.013	0.6	3.07	28	<10	76	0.6	<2	2.10	0.6
B0026219	Core	1.84		0.050	1.2	1.57	112	<10	24	<0.5	<2	4.51	101.1
B0026220	Pulp	0.12		3.208	12.3	1.47	4426	14	147	<0.5	2	2.65	7.3
B0026221	Core	2.30		0.015	1.0	1.93	36	<10	41	<0.5	<2	2.96	3.7
B0026222	Core	2.38		0.011	1.2	2.11	77	<10	48	<0.5	<2	3.13	5.8
B0026223	Core	3.10		0.006	1.1	2.03	83	<10	44	<0.5	<2	4.71	3.0
B0026224	Core	3.42		0.008	1.4	2.50	25	11	213	<0.5	<2	2.12	3.3
B0026225	Core	1.74		0.009	0.6	3.91	25	<10	232	<0.5	<2	2.52	1.1
B0026226	Core	2.68		0.006	0.7	2.28	16	<10	195	<0.5	<2	1.49	0.9
B0026227	Core	2.48		<0.005	0.9	1.93	21	<10	68	<0.5	<2	2.73	3.4
B0026228	Core	2.56		<0.005	0.9	1.85	37	<10	141	<0.5	<2	2.13	1.2
B0026229	Core	2.68		0.007	1.1	1.58	49	<10	52	<0.5	<2	3.99	6.0
B0026230	Core	2.56		0.018	1.2	3.28	77	<10	57	<0.5	<2	3.21	5.9
B0026231	Core	3.46		0.006	1.3	2.22	28	<10	57	<0.5	<2	2.70	4.1
B0026232	Core	--		0.011	1.3	2.12	96	<10	59	<0.5	<2	2.54	4.1
B0026233	Core	2.62		0.011	0.8	3.00	31	<10	70	<0.5	<2	2.40	2.2
B0026234	Core	3.14		0.012	0.5	2.31	80	<10	154	<0.5	<2	1.54	1.0
B0026235	Rock	1.10		<0.005	0.3	0.03	<2	<10	<10	<0.5	<2	>25	<0.5
B0026236	Core	2.58		<0.005	1.6	2.18	15	<10	90	0.7	<2	4.72	12.2
B0026237	Core	2.22		<0.005	1.9	1.68	30	<10	90	0.8	<2	2.98	6.0
B0026238	Core	1.52		8.570	12.4	1.16	419	<10	51	1.0	<2	6.85	21.2
B0026239	Core	3.34		0.060	3.3	2.00	19	<10	65	0.6	<2	5.39	12.8
B0026240	Pulp	0.14		3.821	19.2	3.36	9	<10	100	<0.5	<2	2.21	1.1
B0026241	Core	0.70		0.216	6.1	1.11	339	<10	59	0.7	<2	3.39	27.2

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0026242	Core	1.34		0.138	7.9	0.93	135	<10	39	0.6	<2	7.49	34.0
B0026243	Core	2.04		0.094	7.0	1.48	120	<10	40	0.7	<2	4.37	57.6
B0026244	Core	2.42		<0.005	2.4	2.22	14	<10	75	0.7	<2	3.43	9.2
B0026245	Core	2.34		<0.005	1.4	1.78	11	<10	72	0.8	<2	4.47	3.4
B0026246	Core	2.60		<0.005	1.2	1.84	10	<10	131	0.5	<2	2.24	1.6
B0026246PD	QC-PD	--		<0.005	1.2	1.93	9	<10	143	0.5	<2	2.16	1.9
B0026247	Core	2.40		<0.005	2.4	1.57	16	<10	58	0.7	<2	3.95	14.2
B0026248	Core	2.60		0.022	1.0	2.18	20	<10	58	<0.5	<2	2.22	0.7
B0026249	Core	1.58		0.020	1.1	2.41	126	<10	55	0.5	<2	2.48	0.7
B0026250	Core	1.74		0.033	1.5	2.86	354	<10	52	0.6	<2	2.80	2.1
B0026251	Core	1.56		0.038	1.6	3.36	1192	<10	60	0.6	2	2.96	3.5
B0026252	Core	--		0.032	1.6	3.30	1141	<10	60	0.6	<2	2.77	3.5
B0026253	Core	2.64		0.009	1.4	2.79	223	<10	57	0.6	<2	2.73	2.8
B0026254	Core	2.34		0.018	1.4	1.97	227	<10	33	<0.5	<2	4.21	9.6
B0026255	Rock	1.04		<0.005	0.6	0.02	<2	<10	11	<0.5	<2	>25	<0.5
B0026256	Core	2.08		0.015	1.5	3.33	546	<10	22	0.8	2	3.60	17.8
B0026257	Core	2.50		0.018	1.8	2.89	254	<10	33	0.6	<2	2.51	3.8
B0026258	Core	2.46		0.027	0.9	3.38	101	<10	43	0.9	<2	2.48	3.1
B0026259	Core	2.70		0.082	1.4	3.56	421	<10	63	0.7	<2	3.53	3.2
B0026260	Pulp	0.10		2.914	11.3	1.45	4496	<10	159	<0.5	<2	2.68	7.3
B0026261	Core	2.72		0.146	1.4	3.27	961	<10	57	0.7	<2	3.77	1.6
B0026262	Core	2.58		0.041	1.1	3.98	167	<10	165	0.7	<2	3.04	1.4
B0026263	Core	1.60		0.025	0.9	2.22	80	<10	60	<0.5	<2	3.01	1.0
B0026264	Core	2.22		0.048	1.4	1.51	114	<10	46	<0.5	<2	2.31	1.0
B0026265	Core	2.22		0.048	1.0	2.71	253	<10	94	<0.5	<2	1.72	1.1

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0026266	Core	2.56		0.052	1.2	5.05	151	<10	167	0.6	<2	3.65	1.5
B0026267	Core	2.42		0.019	1.1	1.91	132	<10	64	<0.5	<2	4.26	0.9
B0026268	Core	2.20		0.073	1.1	1.84	48	<10	211	<0.5	3	3.43	1.0
B0026269	Core	3.28		0.031	5.5	1.76	77	<10	65	<0.5	<2	5.93	10.5
B0026270	Core	2.20		0.033	1.3	3.18	57	<10	74	0.5	<2	3.81	0.9
B0026271	Core	1.24		<0.005	1.1	3.22	<2	<10	87	<0.5	<2	3.63	<0.5
B0026272	Core	1.32		<0.005	1.2	3.05	<2	<10	80	<0.5	<2	2.92	<0.5
B0026273	Core	2.68		0.360	1.7	1.70	312	<10	25	<0.5	2	3.76	2.2
B0026274	Core	2.24		0.012	1.1	3.64	3	<10	148	<0.5	3	3.16	0.8
B0026275	Rock	1.06		<0.005	0.5	0.03	<2	<10	11	<0.5	<2	>25	<0.5
B0026276	Core	2.48		0.014	1.0	3.36	2	<10	243	<0.5	<2	3.15	1.3
B0026277	Core	2.64		0.008	0.9	2.91	2	<10	139	0.8	4	1.52	1.4
B0026278	Core	2.38		<0.005	0.8	2.90	<2	<10	73	0.8	2	2.62	0.9
B0026279	Core	2.46		0.011	0.5	3.51	5	<10	82	0.7	<2	3.44	0.6
B0026280	Pulp	0.10		3.901	18.8	3.51	12	12	93	<0.5	3	2.36	0.9
B0026281	Core	2.82		0.049	1.2	3.02	43	<10	128	<0.5	<2	4.42	2.5
B0026282	Core	3.54		0.008	1.4	3.16	5	<10	156	<0.5	<2	2.99	2.8
B0026283	Core	2.96		0.081	1.2	4.34	135	<10	141	0.6	<2	3.00	1.1
B0026284	Core	3.36		0.009	1.3	2.53	48	<10	79	<0.5	<2	5.52	1.2
B0026285	Core	2.70		0.054	1.0	2.91	50	<10	72	0.7	<2	2.30	0.7
B0026286	Core	2.66		0.070	0.7	2.76	35	<10	52	0.8	<2	2.41	4.9
B0026286PD	QC-PD	--		0.032	0.7	2.74	40	<10	54	0.8	<2	2.33	5.0
B0026287	Core	2.40		0.010	0.7	2.36	13	<10	71	0.6	<2	1.46	0.6
B0026288	Core	2.32		0.017	0.7	2.13	25	<10	50	0.5	<2	3.95	3.4
B0026289	Core	2.56		0.018	1.3	3.31	25	<10	189	<0.5	<2	4.46	1.6

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0026290	Core	2.04		<0.005	0.8	2.46	6	<10	71	<0.5	<2	3.09	1.4
B0026291	Core	1.58		0.007	1.2	2.38	8	<10	68	<0.5	<2	3.24	4.0
B0026292	Core	--		<0.005	1.2	2.28	7	<10	76	<0.5	<2	2.88	2.5
B0026293	Core	2.72		0.030	0.9	3.85	28	<10	144	0.6	<2	2.92	1.5
B0026294	Core	3.22		0.010	0.8	4.13	22	<10	378	<0.5	<2	3.48	1.0
B0026295	Rock	1.14		<0.005	0.5	0.05	<2	<10	12	<0.5	<2	>25	<0.5
B0026296	Core	3.90		<0.005	0.9	3.54	25	<10	299	<0.5	<2	4.36	1.1
B0026297	Core	2.68		0.006	1.0	2.28	<2	<10	111	<0.5	<2	8.38	0.8
B0026298	Core	2.48		0.116	0.9	3.17	65	<10	95	<0.5	<2	3.49	0.6
B0026299	Core	2.40		<0.005	0.7	2.13	2	<10	148	<0.5	<2	5.28	0.5
B0026300	Pulp	0.10		3.192	12.0	1.34	4752	19	156	<0.5	<2	2.67	7.7
B0027001	Core	2.38		0.013	1.0	2.10	13	12	105	<0.5	<2	5.78	0.8
B0027002	Core	2.46		0.022	1.6	1.57	19	<10	55	<0.5	<2	4.23	1.8
B0027003	Core	2.76		0.020	1.0	2.84	34	<10	72	0.6	<2	5.79	1.0
B0027004	Core	2.76		0.035	0.8	4.36	43	11	290	0.7	<2	2.81	<0.5
B0027005	Core	2.52		<0.005	0.6	2.05	9	<10	164	0.6	<2	1.48	<0.5
B0027006	Core	2.48		0.019	0.5	1.99	65	<10	146	<0.5	<2	1.39	<0.5
B0027007	Core	2.50		<0.005	0.7	4.02	7	<10	488	<0.5	<2	2.62	<0.5
B0027008	Core	2.60		0.010	1.0	3.15	11	<10	251	<0.5	<2	3.82	0.9
B0027009	Core	2.86		0.008	0.8	3.10	8	<10	124	0.6	<2	5.64	1.2
B0027010	Core	2.26		0.016	1.2	4.01	37	17	297	0.8	<2	3.64	3.8
B0027011	Core	1.82		0.008	1.1	1.82	7	<10	176	<0.5	<2	1.48	2.4
B0027012	Core	1.64		0.006	1.3	1.81	8	12	179	<0.5	<2	1.18	2.4
B0027013	Core	3.00		0.012	0.9	4.27	16	<10	322	0.7	<2	4.47	0.9
B0027014	Core	2.30		<0.005	0.4	2.07	21	<10	334	<0.5	<2	0.93	<0.5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0027015	Rock	0.92		<0.005	0.4	0.02	3	<10	12	<0.5	<2	>25	<0.5
B0027016	Core	2.52		0.035	0.3	1.74	17	<10	277	<0.5	<2	0.86	<0.5
B0027017	Core	2.26		<0.005	0.6	1.72	9	<10	208	<0.5	<2	0.89	<0.5
B0027018	Core	2.54		<0.005	0.4	2.12	5	10	474	<0.5	<2	0.54	<0.5
B0027019	Core	2.42		<0.005	0.3	2.70	9	10	516	0.6	<2	0.86	<0.5
B0027020	Pulp	0.12		3.855	20.4	3.14	12	16	101	<0.5	<2	2.30	1.1
B0027021	Core	2.62		0.158	0.4	5.42	53	11	819	0.9	<2	2.78	<0.5
B0027021PD	QC-PD	--		0.154	0.5	5.59	43	<10	901	1.0	<2	2.64	<0.5
B0027022	Core	2.50		<0.005	0.2	2.17	<2	16	410	<0.5	<2	0.69	<0.5
B0027023	Core	2.54		0.007	0.3	2.00	3	11	363	<0.5	<2	0.98	<0.5
B0027024	Core	2.54		0.007	0.3	2.53	6	10	408	<0.5	<2	1.75	<0.5
B0027025	Core	2.54		<0.005	0.2	3.08	16	<10	559	0.6	<2	1.31	<0.5
B0027026	Core	2.60		0.033	0.5	5.07	65	<10	527	0.9	<2	2.04	<0.5
B0027027	Core	2.62		0.089	0.6	3.44	38	13	209	0.8	<2	2.23	<0.5
B0027028	Core	2.40		0.012	1.0	1.91	55	<10	159	0.5	<2	3.14	10.9
B0027029	Core	3.84		0.008	0.5	2.45	28	<10	195	0.6	<2	1.62	<0.5
B0027030	Core	3.58		<0.005	0.5	2.22	17	<10	237	0.5	<2	1.51	<0.5
B0027031	Core	2.56		<0.005	0.6	2.49	8	<10	199	0.5	<2	2.19	<0.5
B0027032	Core	--		0.011	0.5	2.58	8	14	208	0.6	<2	2.85	<0.5
B0027033	Core	2.60		<0.005	0.4	2.61	8	11	370	<0.5	<2	0.92	<0.5
B0027034	Core	2.82		0.014	0.7	2.34	7	<10	260	<0.5	<2	1.09	<0.5
B0027035	Rock	1.00		<0.005	0.5	0.02	<2	14	10	<0.5	<2	>25	<0.5
B0027036	Core	2.64		<0.005	0.3	3.26	5	16	247	<0.5	<2	1.87	<0.5
B0027037	Core	2.56		<0.005	0.4	3.57	<2	<10	248	0.5	<2	2.10	0.6
B0027038	Core	2.58		0.045	0.7	4.33	16	14	181	0.8	<2	3.29	0.6

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0027039	Core	2.54		0.015	0.9	3.71	103	19	140	0.6	<2	4.33	<0.5
B0027040	Pulp	0.08		3.039	11.8	1.53	4453	22	146	<0.5	<2	2.70	6.8
B0027041	Core	2.52		<0.005	0.9	2.28	<2	20	55	<0.5	<2	5.89	1.0
B0027041PD	QC-PD	--		<0.005	0.9	2.21	<2	14	51	<0.5	<2	6.01	0.8
B0027042	Core	2.54		<0.005	0.8	2.79	<2	12	127	<0.5	<2	3.66	1.0
B0027043	Core	3.08		<0.005	0.7	2.59	41	17	81	<0.5	<2	2.38	0.8
B0027044	Core	2.68		0.009	2.4	4.08	11	22	100	<0.5	2	3.71	15.3
B0027045	Core	2.44		<0.005	0.9	2.56	18	23	91	0.6	3	2.30	2.1
B0027046	Core	2.50		<0.005	0.9	2.41	7	25	92	<0.5	3	1.99	4.2
B0027047	Core	0.68		0.015	0.6	4.39	100	25	98	0.9	<2	2.89	<0.5
B0027048	Core	2.56		<0.005	0.4	3.25	70	26	79	0.7	<2	1.79	<0.5
B0027049	Core	2.50		0.008	0.4	4.33	20	25	86	0.8	<2	2.37	<0.5
B0027050	Core	2.62		0.009	0.5	2.90	26	23	47	0.6	<2	1.95	<0.5
B0027051	Core	1.20		0.009	0.4	2.26	14	21	46	<0.5	<2	1.42	<0.5
B0027052	Core	1.04		0.005	0.4	2.33	4	25	48	<0.5	<2	1.43	<0.5
DUP B0026107					0.5	2.33	16	<10	135	<0.5	3	1.05	<0.5
DUP B0026140					11.5	1.61	4409	16	153	<0.5	3	2.55	7.7
DUP B0026176					0.3	2.18	12	<10	54	<0.5	<2	0.78	<0.5
DUP B0026224					1.3	2.70	25	<10	192	<0.5	<2	2.20	3.1
DUP B0026258					1.1	3.53	104	<10	44	0.9	<2	2.56	3.2
DUP B0026273					1.8	1.76	317	<10	28	<0.5	<2	3.77	2.3
DUP B0026128				0.006									
DUP B0026158				0.013									
DUP B0026187				0.006									
DUP B0026207				<0.005									

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
DUP B0026256				0.020									
DUP B0026298				0.121									
STD BLANK					<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5
STD BLANK					<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5
STD BLANK					<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5
STD BLANK					<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5
STD BLANK					<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5
STD BLANK					<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5
STD BLANK				<0.005									
STD BLANK				<0.005									
STD BLANK				<0.005									
STD BLANK				<0.005									
STD BLANK				<0.005									
STD BLANK				<0.005									
STD OREAS 24b					<0.2	3.16	4	<10	151	1.6	<2	0.44	<0.5
STD OREAS 601					51.3	0.82	314	<10	252	0.6	21	1.02	8.4
STD OREAS 24b					<0.2	3.35	6	13	147	1.5	<2	0.46	<0.5
STD OREAS 601					48.6	0.78	310	<10	223	0.6	21	1.05	8.4
STD OREAS 24b					<0.2	3.38	5	<10	151	1.6	<2	0.46	<0.5
STD OREAS 601					46.4	0.83	305	<10	92	0.6	21	1.05	7.7

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910246**

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
STD OxA131				0.075									
STD OxJ120				2.371									
STD OxG124				0.900									
STD OxA131				0.075									
STD OxJ120				2.396									
STD OxG124				0.919									

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
Granite Blank	5	112	7	1.91	<10	<1	0.15	<10	0.54	548	1	0.17	4
Granite Blank	5	129	6	1.97	<10	<1	0.14	<10	0.54	541	1	0.16	5
B0026097	16	94	68	3.54	11	<1	0.38	<10	0.91	967	7	0.29	39
B0026098	15	107	88	3.41	13	<1	0.59	<10	1.17	547	14	0.25	47
B0026099	12	96	125	3.44	14	<1	1.12	<10	1.65	450	<1	0.29	42
B0026100	14	26	81	8.99	14	1	0.24	<10	0.90	472	5	0.03	30
B0026101	16	89	106	3.94	17	<1	1.18	<10	1.89	502	<1	0.33	39
B0026102	24	44	37	4.88	17	<1	0.88	<10	1.73	527	<1	0.57	10
B0026103	24	40	38	4.72	16	<1	1.34	<10	1.64	388	<1	0.54	8
B0026104	13	81	73	3.46	14	<1	1.10	<10	1.66	409	<1	0.21	40
B0026105	13	69	86	3.37	13	<1	0.83	<10	1.63	324	<1	0.13	41
B0026106	22	75	99	3.89	14	<1	0.30	<10	1.03	311	<1	0.28	35
B0026107	10	83	48	2.98	14	<1	0.56	<10	1.48	321	<1	0.20	21
B0026108	12	85	55	3.06	17	<1	0.77	<10	1.60	208	<1	0.30	21
B0026109	16	101	51	2.85	12	<1	0.39	<10	0.97	447	19	0.26	48
B0026110	11	106	92	3.30	14	<1	0.81	<10	1.65	584	<1	0.22	33
B0026111	13	121	64	2.45	<10	<1	0.31	<10	1.08	791	3	0.18	42
B0026112	12	110	62	2.40	<10	<1	0.33	<10	1.04	790	3	0.18	41
B0026113	13	116	82	2.77	11	<1	0.42	<10	1.25	715	2	0.20	39
B0026114	18	103	85	3.33	12	<1	0.39	<10	1.23	953	6	0.13	48
B0026115	<1	5	2	0.09	<10	<1	<0.01	<10	1.03	124	<1	0.01	<1
B0026116	20	74	75	3.15	10	<1	0.25	<10	1.29	1540	12	0.11	48
B0026116PD	21	86	77	3.30	10	<1	0.30	<10	1.35	1585	12	0.11	52
B0026117	21	95	99	4.21	13	<1	0.46	<10	1.30	1373	86	0.07	75
B0026118	21	87	107	4.74	13	<1	0.51	<10	1.72	1444	155	0.04	91

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
B0026119	23	36	91	4.92	16	<1	0.44	<10	1.69	879	9	0.30	16
B0026120	20	152	342	3.41	11	<1	0.20	<10	1.76	517	6	0.41	185
B0026121	20	48	185	4.34	15	<1	0.86	<10	1.83	896	1	0.24	18
B0026122	9	67	108	3.23	11	<1	0.45	<10	1.76	927	<1	0.07	30
B0026123	14	92	131	3.60	13	<1	0.69	<10	1.79	1014	1	0.15	38
B0026124	19	87	147	3.67	11	<1	0.51	<10	1.51	1181	1	0.12	44
B0026125	20	100	230	4.39	15	<1	0.65	<10	1.81	1075	1	0.18	52
B0026126	4	76	29	2.42	<10	<1	0.36	<10	1.13	741	4	0.09	4
B0026127	6	63	19	2.52	10	<1	0.63	<10	0.98	290	3	0.21	3
B0026128	6	60	28	2.53	10	<1	0.32	<10	1.05	389	4	0.16	3
B0026129	6	69	26	2.46	<10	<1	0.50	<10	0.88	230	3	0.20	3
B0026130	6	51	15	2.26	11	<1	0.71	<10	1.10	239	3	0.25	3
B0026131	5	61	19	2.29	11	<1	0.63	<10	0.94	253	2	0.29	3
B0026132	7	66	15	2.21	10	<1	0.54	<10	0.93	261	3	0.33	3
B0026133	5	50	18	2.51	<10	<1	0.77	<10	1.10	245	4	0.21	2
B0026134	4	54	11	2.33	<10	<1	0.45	<10	0.95	242	3	0.23	2
B0026135	<1	7	2	0.08	<10	<1	<0.01	<10	0.57	100	<1	0.01	<1
B0026136	4	56	20	2.16	<10	<1	0.64	<10	0.81	195	3	0.23	2
B0026137	5	55	90	2.49	<10	<1	0.54	<10	0.94	250	3	0.23	3
B0026138	4	52	16	2.52	11	<1	0.47	<10	0.94	256	3	0.22	2
B0026139	5	54	11	2.34	10	<1	0.46	<10	0.79	243	4	0.23	3
B0026140	13	25	76	8.44	11	2	0.23	<10	0.94	405	5	0.03	30
B0026141	4	43	5	2.21	<10	<1	0.16	<10	0.59	225	5	0.14	3
B0026142	5	30	10	2.37	<10	<1	0.52	<10	0.79	227	4	0.20	2
B0026143	6	35	15	2.61	11	1	0.56	<10	0.95	260	4	0.20	5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
B0026144	17	22	264	4.09	13	<1	1.16	<10	1.46	448	2	0.40	9
B0026145	14	49	1253	4.96	18	<1	1.55	<10	2.36	435	3	0.33	26
B0026146	12	61	133	4.27	16	<1	0.91	<10	2.31	377	1	0.16	31
B0026147	13	54	58	3.93	14	<1	1.36	<10	2.11	312	1	0.35	30
B0026148	12	62	60	3.45	14	<1	0.95	<10	1.78	456	2	0.24	32
B0026149	20	82	97	5.41	16	<1	0.30	<10	2.61	702	2	0.09	53
B0026150	13	77	50	3.80	14	<1	0.55	<10	2.05	709	2	0.09	43
B0026151	9	60	56	2.87	13	<1	0.36	<10	1.52	1106	4	0.10	31
B0026152	10	65	63	2.96	13	<1	0.38	<10	1.55	1261	6	0.10	30
B0026153	11	58	55	3.52	16	<1	1.36	<10	1.98	451	2	0.15	38
B0026154	10	63	80	3.18	14	<1	1.14	<10	1.67	735	2	0.20	35
B0026155	<1	8	2	0.07	<10	<1	<0.01	<10	0.74	96	<1	0.01	<1
B0026156	15	74	101	3.70	16	1	1.70	<10	2.14	352	2	0.27	45
B0026157	18	43	58	3.46	16	<1	1.46	<10	1.53	559	<1	0.37	33
B0026158	23	27	57	5.31	19	<1	1.63	<10	2.06	355	1	0.48	8
B0026159	21	25	27	5.52	20	<1	1.16	<10	2.66	366	1	0.28	8
B0026160	19	141	320	3.17	10	<1	0.19	<10	1.82	432	6	0.36	177
B0026161	23	22	35	5.13	17	<1	0.84	<10	2.15	390	1	0.28	7
B0026162	20	20	26	3.99	14	<1	1.05	<10	1.69	614	<1	0.33	6
B0026163	16	37	53	3.49	12	<1	1.00	<10	1.44	357	1	0.43	15
B0026164	14	65	78	4.03	17	<1	1.21	<10	2.01	433	1	0.26	38
B0026165	15	69	77	3.60	14	<1	0.65	<10	1.56	621	5	0.16	43
B0026166	14	72	92	3.93	15	<1	1.06	<10	1.90	412	3	0.11	40
B0026166PD	15	78	87	3.86	13	<1	1.06	<10	1.88	381	4	0.10	42
B0026167	15	90	97	3.45	14	<1	0.98	<10	1.53	413	7	0.20	53

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
B0026168	12	66	66	3.12	12	<1	0.73	<10	1.29	1483	3	0.17	33
B0026169	18	88	58	3.74	16	<1	0.61	<10	1.72	453	2	0.18	44
B0026170	16	93	84	3.87	17	<1	0.96	<10	1.92	432	4	0.20	45
B0026171	11	91	60	2.17	10	<1	0.59	<10	0.80	276	4	0.24	30
B0026172	11	80	60	2.34	<10	<1	0.71	<10	0.93	275	3	0.19	29
B0026173	14	77	138	3.17	17	<1	0.82	<10	1.68	298	3	0.18	40
B0026174	9	53	90	2.91	16	<1	0.75	<10	1.53	288	1	0.20	28
B0026175	<1	6	1	0.07	<10	<1	<0.01	<10	0.79	95	<1	0.01	<1
B0026176	11	64	71	3.30	15	<1	0.24	<10	1.88	398	<1	0.10	24
B0026177	8	62	49	3.22	14	<1	0.75	<10	1.72	359	1	0.07	30
B0026178	4	32	31	2.18	<10	<1	0.51	<10	0.76	439	4	0.14	5
B0026179	10	57	95	3.51	13	<1	0.55	<10	1.74	577	<1	0.08	29
B0026180	13	27	82	8.79	16	<1	0.22	<10	0.92	437	4	0.03	31
B0026181	18	57	96	4.50	13	<1	0.27	<10	1.42	791	41	0.10	60
B0026182	20	64	116	4.52	13	<1	0.44	<10	1.66	528	23	0.06	61
B0026183	13	49	97	3.17	<10	<1	0.35	<10	1.30	1057	11	0.11	40
B0026184	15	59	101	3.72	12	<1	0.31	<10	1.74	631	23	0.05	47
B0026185	15	89	85	4.04	13	<1	0.42	<10	1.70	1058	12	0.09	48
B0026186	17	71	78	3.04	12	<1	0.25	<10	0.92	430	10	0.21	43
B0026187	14	75	69	2.81	<10	<1	0.27	<10	0.84	339	15	0.13	45
B0026188	10	72	57	2.34	<10	<1	0.57	<10	1.22	275	2	0.11	32
B0026189	14	68	73	3.97	14	<1	0.44	<10	1.53	663	19	0.19	47
B0026190	16	69	142	3.19	11	<1	0.60	<10	1.24	336	3	0.17	39
B0026191	22	75	103	4.31	15	<1	0.73	<10	1.78	362	28	0.28	53
B0026192	22	76	105	4.32	13	<1	0.69	<10	1.78	363	20	0.29	53

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
B0026193	15	77	67	3.57	14	<1	0.50	<10	1.76	488	3	0.19	42
B0026194	15	95	70	3.30	14	<1	0.78	<10	1.73	367	3	0.21	48
B0026195	<1	12	1	0.08	<10	<1	<0.01	<10	1.03	102	<1	0.01	<1
B0026196	16	59	68	3.38	11	<1	0.41	<10	1.24	701	16	0.14	47
B0026197	12	75	78	3.06	<10	<1	0.26	<10	1.08	390	18	0.17	41
B0026198	17	75	87	3.75	13	<1	0.28	<10	1.52	654	57	0.07	64
B0026199	15	92	65	4.23	13	<1	0.33	<10	2.15	502	10	0.13	51
B0026200	10	109	89	2.87	<10	<1	0.14	<10	0.90	602	29	0.14	109
B0026201	18	167	338	3.19	11	<1	0.18	<10	1.70	449	5	0.36	173
B0026202	13	84	45	2.97	11	<1	0.16	<10	1.22	503	3	0.17	39
B0026203	11	80	60	1.97	<10	<1	0.23	<10	0.90	248	2	0.13	38
B0026204	13	54	46	3.52	11	<1	0.37	<10	1.60	674	1	0.17	28
B0026205	13	48	35	3.36	14	<1	0.62	<10	1.63	468	1	0.27	25
B0026206	9	64	88	2.51	11	<1	0.40	<10	1.37	296	1	0.13	37
B0026206PD	9	60	83	2.50	12	<1	0.45	<10	1.39	295	<1	0.11	39
B0026207	9	59	89	2.85	13	<1	0.32	<10	1.78	336	1	0.06	40
B0026208	9	63	63	2.33	11	<1	0.23	<10	1.26	336	3	0.07	26
B0026209	9	60	37	2.50	12	<1	0.50	<10	1.30	361	2	0.13	20
B0026210	8	71	43	2.45	<10	<1	0.35	<10	1.34	400	1	0.09	26
B0026211	9	67	26	3.06	12	<1	0.21	<10	2.02	517	1	0.05	32
B0026212	10	64	34	3.16	12	<1	0.20	<10	2.03	557	1	0.05	32
B0026213	8	69	51	2.27	<10	<1	0.33	<10	1.38	351	2	0.10	31
B0026214	5	69	36	2.18	11	<1	0.57	<10	1.49	323	1	0.15	41
B0026215	<1	9	1	0.09	<10	<1	<0.01	<10	1.07	132	<1	0.01	<1
B0026216	9	75	52	3.06	14	<1	0.50	<10	2.14	391	2	0.10	35

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
B0026217	11	81	60	2.83	<10	<1	0.25	<10	1.33	604	8	0.27	54
B0026218	13	75	68	3.11	12	<1	0.30	<10	1.29	499	6	0.29	48
B0026219	12	60	76	3.14	<10	<1	0.17	<10	0.83	966	10	0.05	50
B0026220	13	30	80	8.91	14	<1	0.22	<10	0.92	436	5	0.03	30
B0026221	11	66	81	3.19	10	<1	0.15	<10	0.75	640	8	0.16	52
B0026222	15	77	91	3.75	<10	<1	0.15	<10	1.32	860	13	0.12	64
B0026223	11	72	70	2.07	<10	<1	0.12	<10	0.45	452	25	0.23	79
B0026224	18	73	138	4.55	14	<1	0.51	<10	1.40	761	6	0.20	46
B0026225	14	70	88	4.21	17	<1	0.96	<10	1.38	568	2	0.35	28
B0026226	12	72	78	3.42	13	<1	0.33	<10	1.25	715	2	0.17	31
B0026227	12	64	79	3.48	11	<1	0.10	<10	1.14	897	4	0.11	38
B0026228	11	78	83	2.71	<10	<1	0.22	<10	0.88	547	3	0.19	39
B0026229	9	70	78	2.32	<10	<1	0.13	<10	0.69	711	3	0.10	46
B0026230	25	219	68	3.75	12	<1	0.15	<10	2.02	1095	2	0.17	108
B0026231	11	68	75	3.18	12	<1	0.18	<10	1.17	805	2	0.12	45
B0026232	12	63	74	3.17	10	<1	0.19	<10	1.15	836	2	0.12	43
B0026233	14	64	81	3.84	14	1	0.21	<10	1.48	793	2	0.24	37
B0026234	15	33	41	4.21	14	<1	0.20	<10	1.16	635	2	0.29	13
B0026235	<1	9	1	0.10	<10	<1	<0.01	<10	0.93	118	<1	0.01	<1
B0026236	11	50	104	4.40	11	<1	0.33	<10	1.43	1640	41	0.05	70
B0026237	11	95	72	3.27	<10	<1	0.33	<10	1.11	1552	63	0.06	85
B0026238	15	80	98	3.86	<10	<1	0.42	<10	0.61	5932	27	0.05	126
B0026239	6	53	68	2.94	<10	<1	0.43	<10	1.25	2519	3	0.08	33
B0026240	19	160	336	3.34	<10	<1	0.19	<10	1.78	474	6	0.37	183
B0026241	8	46	70	2.80	<10	<1	0.60	<10	0.34	1924	6	0.02	16

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
B0026242	4	80	110	1.52	<10	<1	0.47	<10	0.19	2784	13	0.01	20
B0026243	16	211	157	3.01	<10	<1	0.22	<10	1.16	2442	46	0.02	126
B0026244	13	114	133	3.55	10	<1	0.35	<10	1.56	1417	10	0.05	70
B0026245	12	127	87	2.98	<10	<1	0.14	<10	1.68	1551	13	0.04	75
B0026246	12	88	119	3.09	<10	<1	0.30	<10	1.37	902	8	0.07	69
B0026246PD	11	88	119	3.15	<10	<1	0.33	<10	1.45	916	8	0.08	70
B0026247	10	138	57	2.67	<10	<1	0.17	<10	1.23	1719	42	0.05	106
B0026248	19	73	90	4.04	10	<1	0.12	<10	0.98	521	3	0.24	34
B0026249	15	102	82	3.38	<10	<1	0.16	<10	0.60	444	3	0.35	67
B0026250	20	93	112	4.10	12	<1	0.16	<10	0.46	443	3	0.40	73
B0026251	41	96	134	5.42	14	<1	0.22	<10	0.93	633	2	0.45	72
B0026252	39	93	127	5.35	14	<1	0.25	<10	1.06	660	2	0.45	65
B0026253	17	95	92	3.45	<10	<1	0.21	<10	0.67	545	4	0.38	73
B0026254	14	88	81	3.34	<10	<1	0.18	<10	0.68	688	3	0.25	52
B0026255	<1	6	1	0.09	<10	<1	<0.01	<10	1.00	121	<1	0.01	<1
B0026256	19	80	90	4.16	13	<1	0.17	<10	0.84	711	2	0.22	55
B0026257	15	79	95	4.03	13	<1	0.22	<10	0.86	612	3	0.29	56
B0026258	10	59	63	2.98	11	<1	0.31	<10	0.88	504	2	0.34	20
B0026259	33	89	95	4.58	12	<1	0.31	<10	1.11	692	2	0.48	85
B0026260	13	27	80	8.69	13	<1	0.23	<10	0.92	440	5	0.03	31
B0026261	22	81	92	3.91	11	<1	0.28	<10	0.89	624	4	0.44	62
B0026262	23	84	112	5.39	17	<1	0.91	<10	1.82	806	2	0.46	43
B0026263	15	62	93	4.44	11	<1	0.42	<10	1.60	930	4	0.20	32
B0026264	15	73	90	3.65	<10	<1	0.28	<10	0.80	585	5	0.20	70
B0026265	18	78	101	4.09	12	<1	0.41	<10	1.09	561	3	0.30	47

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
B0026266	22	72	144	5.92	16	<1	0.89	<10	2.08	764	2	0.37	45
B0026267	12	65	87	3.54	<10	<1	0.25	<10	1.21	784	3	0.12	43
B0026268	12	66	82	3.57	10	<1	0.44	<10	1.26	732	3	0.13	44
B0026269	14	120	130	3.78	<10	<1	0.22	<10	1.54	1913	6	0.02	99
B0026270	14	87	71	2.19	<10	<1	0.09	<10	0.65	377	5	0.23	94
B0026271	15	67	86	3.83	12	<1	0.35	<10	1.13	588	3	0.36	44
B0026272	16	70	94	4.16	14	<1	0.36	<10	1.35	588	3	0.32	47
B0026273	17	64	306	5.16	<10	<1	0.41	<10	1.04	2752	3	0.16	33
B0026274	18	81	110	4.51	14	<1	0.79	<10	1.52	729	3	0.43	49
B0026275	<1	7	<1	0.09	<10	<1	<0.01	<10	0.93	111	<1	0.01	<1
B0026276	17	81	94	4.20	13	<1	0.94	<10	1.37	672	4	0.40	53
B0026277	11	83	123	4.12	14	<1	0.66	<10	1.32	829	3	0.23	37
B0026278	7	54	107	3.18	12	<1	0.53	<10	1.02	931	2	0.19	15
B0026279	6	47	31	2.69	11	<1	0.38	<10	0.75	794	1	0.39	6
B0026280	18	167	346	3.58	<10	<1	0.20	<10	1.89	456	6	0.37	175
B0026281	16	87	115	4.60	15	<1	0.63	<10	1.68	904	4	0.17	55
B0026282	13	116	108	4.00	12	<1	0.73	<10	1.67	536	5	0.26	95
B0026283	26	82	142	6.20	16	<1	0.66	<10	1.54	574	<1	0.48	54
B0026284	11	85	77	2.39	<10	<1	0.46	<10	0.82	470	6	0.26	65
B0026285	16	82	89	3.69	10	<1	0.29	<10	0.87	537	1	0.35	33
B0026286	8	54	61	2.66	<10	<1	0.24	<10	0.60	612	1	0.28	9
B0026286PD	8	60	58	2.50	<10	<1	0.28	<10	0.59	596	<1	0.28	8
B0026287	6	50	66	2.51	10	<1	0.42	<10	0.62	628	<1	0.31	6
B0026288	7	45	68	2.43	<10	<1	0.27	<10	0.55	643	2	0.27	10
B0026289	17	104	98	4.02	12	<1	0.65	<10	1.61	913	3	0.22	70

***Please refer to the cover page for comments regarding this test report. ***

MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
B0026290	13	66	81	3.84	11	<1	0.21	<10	1.50	853	2	0.18	36
B0026291	13	99	110	3.81	11	<1	0.49	<10	1.43	844	3	0.17	60
B0026292	12	104	98	3.41	11	<1	0.52	<10	1.27	747	4	0.18	58
B0026293	19	85	91	3.66	11	<1	0.53	<10	1.35	472	2	0.48	34
B0026294	14	53	80	3.89	15	<1	1.02	<10	1.53	550	2	0.49	21
B0026295	<1	7	<1	0.10	<10	<1	0.02	<10	0.86	111	<1	0.02	<1
B0026296	14	68	88	4.02	14	<1	1.03	<10	1.34	764	3	0.40	30
B0026297	10	54	89	2.84	<10	<1	0.50	<10	0.95	1245	2	0.24	31
B0026298	17	95	89	4.37	13	<1	0.29	<10	1.91	870	1	0.21	46
B0026299	8	60	50	2.37	<10	<1	0.42	<10	0.94	1090	2	0.22	26
B0026300	13	26	82	8.49	13	<1	0.22	<10	0.86	439	5	0.03	30
B0027001	12	51	99	3.24	10	<1	0.32	<10	1.13	1304	4	0.16	33
B0027002	11	46	84	2.71	<10	<1	0.22	<10	1.11	753	7	0.04	35
B0027003	14	59	91	3.08	13	<1	0.37	<10	1.01	1217	3	0.22	37
B0027004	17	72	105	4.41	18	<1	1.03	<10	1.50	827	2	0.48	32
B0027005	8	60	77	2.43	<10	<1	0.39	<10	0.84	580	1	0.25	9
B0027006	6	52	62	2.14	<10	<1	0.34	<10	0.67	594	2	0.30	7
B0027007	14	61	86	4.10	18	<1	1.35	<10	1.53	751	1	0.48	25
B0027008	17	75	113	3.71	15	<1	0.80	<10	1.09	598	2	0.34	42
B0027009	15	53	85	3.29	12	<1	0.38	<10	1.30	1143	3	0.29	41
B0027010	22	85	160	4.88	15	<1	0.94	<10	1.86	988	2	0.38	39
B0027011	15	65	260	3.35	11	<1	0.57	<10	1.07	572	3	0.13	37
B0027012	14	78	297	3.12	11	<1	0.59	<10	1.08	559	3	0.13	38
B0027013	22	95	157	4.02	16	2	0.76	<10	1.44	667	3	0.43	63
B0027014	11	76	68	2.51	12	<1	0.87	<10	1.40	448	2	0.20	30

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
B0027015	<1	5	2	0.07	<10	1	<0.01	<10	0.58	100	<1	0.01	<1
B0027016	9	92	72	2.07	11	<1	0.81	<10	1.03	427	2	0.15	46
B0027017	9	59	81	2.34	11	<1	0.50	<10	1.15	504	<1	0.09	40
B0027018	10	71	71	2.68	15	<1	0.90	<10	1.41	465	<1	0.13	43
B0027019	11	86	61	3.00	13	<1	1.29	<10	1.65	570	2	0.14	35
B0027020	19	159	345	3.34	12	1	0.20	<10	1.73	490	6	0.40	180
B0027021	21	113	97	4.23	20	<1	1.77	<10	2.07	597	<1	0.41	43
B0027021PD	21	126	88	4.47	19	<1	1.93	<10	2.29	634	<1	0.43	43
B0027022	9	57	40	2.65	12	<1	1.10	<10	1.37	482	<1	0.14	20
B0027023	10	59	53	2.80	12	<1	0.86	<10	1.11	457	1	0.16	19
B0027024	12	68	50	2.83	13	<1	1.11	<10	1.31	534	5	0.18	26
B0027025	14	86	48	3.30	14	<1	1.26	<10	1.72	456	2	0.26	40
B0027026	19	95	65	5.27	18	<1	2.17	<10	2.52	728	<1	0.55	44
B0027027	18	87	90	3.83	13	<1	0.72	<10	1.25	491	2	0.50	26
B0027028	9	105	54	2.63	<10	<1	0.44	<10	1.16	827	2	0.08	35
B0027029	12	104	58	2.78	13	<1	0.71	<10	1.33	524	2	0.19	40
B0027030	10	116	59	2.27	12	<1	0.77	<10	1.05	507	<1	0.17	30
B0027031	10	96	63	2.68	14	<1	0.39	<10	1.18	692	<1	0.16	21
B0027032	10	93	64	2.53	12	<1	0.43	<10	1.06	772	<1	0.17	20
B0027033	10	106	43	2.64	13	<1	1.09	<10	1.41	487	<1	0.19	55
B0027034	12	103	67	2.74	10	<1	0.88	<10	1.13	402	<1	0.12	41
B0027035	<1	9	1	0.09	<10	<1	<0.01	<10	0.69	98	<1	0.01	<1
B0027036	7	71	30	2.47	12	<1	1.13	<10	1.28	517	<1	0.19	19
B0027037	7	64	31	2.86	14	<1	1.30	<10	1.43	650	<1	0.22	18
B0027038	13	57	92	4.60	16	<1	1.34	<10	1.50	855	<1	0.40	12

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
B0027039	16	74	121	4.39	14	<1	1.11	<10	1.44	768	2	0.29	52
B0027040	12	25	82	9.09	14	<1	0.24	<10	0.95	410	5	0.03	28
B0027041	14	66	123	4.40	<10	<1	0.22	<10	0.98	761	2	0.26	38
B0027041PD	14	66	129	4.54	10	<1	0.20	<10	0.97	773	2	0.25	40
B0027042	13	98	98	3.59	10	<1	0.52	<10	1.19	598	3	0.28	55
B0027043	12	102	88	3.44	11	<1	0.36	<10	1.19	451	4	0.18	59
B0027044	20	135	187	5.97	14	<1	0.42	<10	2.04	1465	<1	0.29	51
B0027045	10	115	56	2.58	10	<1	0.47	<10	1.28	678	<1	0.11	33
B0027046	8	89	45	2.37	10	<1	0.52	<10	1.41	808	<1	0.10	36
B0027047	17	128	77	3.01	12	<1	0.89	<10	1.32	408	2	0.31	43
B0027048	10	89	37	2.25	<10	<1	0.72	<10	1.11	382	<1	0.23	18
B0027049	10	139	13	2.39	12	<1	1.10	<10	1.62	407	<1	0.25	32
B0027050	10	111	29	1.64	10	<1	0.51	<10	0.78	222	2	0.19	21
B0027051	9	122	43	1.73	<10	<1	0.45	<10	0.80	258	2	0.21	23
B0027052	10	125	48	1.97	<10	<1	0.49	<10	0.86	273	1	0.22	22
DUP B0026107	9	79	47	2.86	14	<1	0.52	<10	1.42	308	<1	0.18	18
DUP B0026140	13	24	77	8.51	14	<1	0.23	<10	0.94	407	5	0.03	31
DUP B0026176	11	60	71	3.22	13	<1	0.22	<10	1.83	374	<1	0.09	24
DUP B0026224	18	81	140	4.58	14	<1	0.52	<10	1.41	765	6	0.23	45
DUP B0026258	10	60	64	3.02	12	<1	0.31	<10	0.90	516	2	0.35	21
DUP B0026273	17	67	309	5.18	<10	<1	0.43	<10	1.05	2752	3	0.17	32
DUP B0026128													
DUP B0026158													
DUP B0026187													
DUP B0026207													

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
DUP B0026256													
DUP B0026298													
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD BLANK													
STD BLANK													
STD BLANK													
STD BLANK													
STD BLANK													
STD BLANK													
STD OREAS 24b	16	99	35	3.90	16	<1	1.15	18	1.35	352	3	0.11	55
STD OREAS 601	5	45	965	2.06	<10	<1	0.25	12	0.18	401	3	0.08	26
STD OREAS 24b	15	108	37	4.02	15	<1	1.18	16	1.43	336	3	0.11	58
STD OREAS 601	5	43	1012	2.13	<10	<1	0.25	12	0.18	427	3	0.08	22
STD OREAS 24b	15	109	36	3.96	16	<1	1.17	18	1.43	338	3	0.11	58
STD OREAS 601	4	42	1002	2.19	<10	<1	0.25	11	0.19	396	4	0.07	23

***Please refer to the cover page for comments regarding this test report. ***

MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910246**

Project Name:	Dunwell
Job Received Date:	24-Sep-2019
Job Report Date:	07-Nov-2019
Report Version:	Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
STD OxA131													
STD OxJ120													
STD OxG124													
STD OxA131													
STD OxJ120													
STD OxG124													

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
Granite Blank	445	<2	0.02	<2	3	33	<8	0.09	<10	28	<10	32	5
Granite Blank	453	<2	0.02	3	3	31	<8	0.09	<10	29	<10	35	5
B0026097	1212	6	1.77	4	7	155	<8	0.12	<10	96	<10	22	<5
B0026098	1006	11	1.36	<2	7	122	<8	0.13	<10	121	<10	27	<5
B0026099	782	9	0.83	5	11	77	<8	0.18	<10	102	<10	57	<5
B0026100	626	387	1.23	5	2	184	<8	0.02	<10	24	21	822	17
B0026101	1065	12	0.66	4	12	87	<8	0.24	<10	126	<10	52	<5
B0026102	1514	11	0.46	<2	15	151	<8	0.31	<10	182	<10	77	<5
B0026103	1590	9	0.61	4	17	150	<8	0.30	<10	188	<10	69	<5
B0026104	761	6	0.72	<2	9	83	<8	0.16	<10	89	<10	43	<5
B0026105	738	7	1.00	2	5	46	<8	0.12	<10	58	<10	52	<5
B0026106	1012	8	1.87	<2	7	57	<8	0.12	<10	74	<10	25	<5
B0026107	871	16	0.57	<2	8	58	<8	0.14	<10	67	<10	42	<5
B0026108	874	7	0.42	2	8	84	<8	0.15	<10	69	<10	30	<5
B0026109	1152	35	0.77	<2	7	94	<8	0.18	<10	111	<10	52	<5
B0026110	887	9	0.46	<2	11	49	<8	0.22	<10	110	<10	41	<5
B0026111	967	9	0.42	3	8	141	<8	0.17	<10	96	<10	28	<5
B0026112	983	10	0.41	4	8	150	<8	0.16	<10	94	<10	29	<5
B0026113	1124	27	0.56	<2	10	80	<8	0.14	<10	118	<10	46	<5
B0026114	1027	157	0.78	<2	8	54	<8	0.12	<10	115	<10	103	<5
B0026115	79	<2	<0.01	<2	<2	101	<8	<0.01	<10	1	<10	<1	<5
B0026116	1003	30	0.75	<2	5	159	<8	0.08	<10	105	<10	80	<5
B0026116PD	1039	31	0.77	<2	6	158	<8	0.09	<10	113	<10	78	<5
B0026117	1497	45	1.12	<2	7	122	<8	0.13	10	236	<10	73	<5
B0026118	1339	31	1.12	3	8	103	<8	0.04	<10	400	<10	90	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0026119	1472	14	1.22	<2	11	118	<8	0.27	<10	195	<10	75	<5
B0026120	388	219	0.12	8	4	96	<8	0.09	<10	69	<10	142	<5
B0026121	1404	19	0.64	3	11	89	<8	0.23	<10	163	<10	69	<5
B0026122	1025	12	0.38	<2	7	46	<8	0.05	<10	78	<10	50	<5
B0026123	1051	15	0.64	4	11	64	<8	0.13	<10	124	<10	58	<5
B0026124	1026	35	1.01	4	9	64	<8	0.12	<10	105	<10	96	<5
B0026125	1166	25	1.01	3	12	74	<8	0.18	<10	142	<10	101	<5
B0026126	672	8	0.32	<2	3	43	<8	0.04	<10	29	<10	35	<5
B0026127	709	5	0.38	<2	4	56	<8	0.11	<10	30	<10	36	<5
B0026128	719	8	0.40	<2	4	35	<8	0.09	<10	30	<10	35	<5
B0026129	640	7	0.51	<2	4	57	<8	0.11	<10	29	<10	27	<5
B0026130	680	7	0.28	<2	5	52	<8	0.11	<10	31	<10	34	<5
B0026131	627	14	0.33	2	4	146	<8	0.09	<10	27	<10	46	<5
B0026132	614	22	0.30	<2	3	193	<8	0.09	<10	26	<10	54	<5
B0026133	710	7	0.30	<2	5	52	<8	0.11	<10	32	<10	29	<5
B0026134	710	6	0.19	<2	5	66	<8	0.09	<10	30	<10	25	<5
B0026135	65	<2	<0.01	<2	<2	98	<8	<0.01	<10	1	<10	<1	<5
B0026136	687	6	0.25	<2	4	83	<8	0.09	<10	27	<10	24	<5
B0026137	694	4	0.33	<2	5	53	<8	0.10	<10	32	<10	25	6
B0026138	720	6	0.14	<2	5	51	8	0.07	<10	32	<10	27	<5
B0026139	712	5	0.17	<2	5	79	<8	0.10	<10	32	<10	22	<5
B0026140	581	395	1.16	5	<2	173	<8	0.02	<10	23	19	785	16
B0026141	681	5	0.14	<2	4	35	<8	0.08	<10	29	<10	18	<5
B0026142	691	3	0.21	<2	4	69	<8	0.09	<10	31	<10	19	<5
B0026143	756	4	0.34	<2	5	38	<8	0.10	<10	39	<10	19	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	V	W	Zn	Zr
	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample ID	10	2	0.01	2	2	1	8	0.01	10	1	10	1	5
B0026144	1515	12	0.51	<2	9	93	<8	0.25	<10	154	<10	59	<5
B0026145	1181	11	0.62	6	14	75	<8	0.24	<10	164	<10	48	<5
B0026146	1024	9	0.82	4	12	54	<8	0.19	<10	145	<10	36	<5
B0026147	1142	9	0.83	4	12	90	<8	0.22	<10	127	<10	38	<5
B0026148	1103	7	0.77	<2	9	106	<8	0.18	<10	109	<10	34	<5
B0026149	967	70	1.62	2	8	66	<8	0.07	<10	116	<10	109	<5
B0026150	895	48	0.66	<2	9	166	<8	0.11	<10	112	<10	127	<5
B0026151	798	9	0.25	<2	7	226	<8	0.10	<10	99	<10	58	<5
B0026152	812	10	0.27	3	7	220	<8	0.12	<10	99	<10	45	<5
B0026153	963	8	0.69	5	10	90	<8	0.16	<10	130	<10	34	<5
B0026154	903	5	0.46	5	13	190	<8	0.18	<10	129	<10	24	<5
B0026155	77	<2	<0.01	<2	<2	96	<8	<0.01	<10	1	<10	2	<5
B0026156	1033	11	0.45	<2	14	83	<8	0.24	<10	155	<10	35	<5
B0026157	1259	10	0.61	6	13	331	<8	0.25	<10	141	<10	40	<5
B0026158	1498	14	0.98	6	20	172	<8	0.26	<10	200	<10	59	<5
B0026159	1467	8	0.41	2	21	166	<8	0.25	<10	226	<10	58	<5
B0026160	368	225	0.12	8	3	84	<8	0.08	<10	63	<10	134	<5
B0026161	1464	8	0.53	<2	15	119	<8	0.22	<10	207	<10	65	<5
B0026162	1364	8	0.34	<2	14	354	<8	0.19	<10	175	<10	55	<5
B0026163	1299	9	0.43	<2	10	151	<8	0.24	<10	135	<10	52	<5
B0026164	1086	10	0.58	<2	13	73	<8	0.26	<10	143	<10	39	<5
B0026165	918	12	1.07	<2	7	116	<8	0.15	<10	116	<10	30	<5
B0026166	1058	8	1.15	4	10	39	<8	0.17	<10	136	<10	33	<5
B0026166PD	1135	6	1.11	<2	11	25	<8	0.17	<10	148	<10	35	<5
B0026167	968	8	1.14	5	11	69	<8	0.20	<10	176	<10	33	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0026168	970	7	1.06	3	8	271	<8	0.15	<10	91	<10	26	<5
B0026169	973	12	1.35	2	10	67	<8	0.18	<10	123	<10	33	<5
B0026170	947	10	1.12	4	10	131	<8	0.21	<10	141	<10	40	<5
B0026171	874	7	0.64	<2	4	230	<8	0.11	<10	71	<10	31	<5
B0026172	859	7	0.62	<2	5	173	<8	0.13	<10	80	<10	34	<5
B0026173	934	8	0.31	<2	10	80	<8	0.20	<10	152	<10	36	<5
B0026174	933	12	0.26	<2	9	108	<8	0.20	<10	114	<10	34	<5
B0026175	70	<2	<0.01	4	<2	95	<8	<0.01	<10	1	<10	1	<5
B0026176	781	8	0.14	<2	12	30	<8	0.25	<10	124	<10	33	<5
B0026177	841	8	0.21	3	9	27	<8	0.22	<10	111	<10	33	<5
B0026178	583	4	0.39	<2	4	191	<8	0.11	<10	32	<10	20	<5
B0026179	1198	20	0.82	<2	6	52	<8	0.10	<10	92	<10	51	<5
B0026180	607	384	1.20	9	<2	173	<8	0.02	<10	23	21	792	15
B0026181	1019	24	1.89	<2	6	125	<8	0.09	<10	189	<10	67	<5
B0026182	1103	32	1.86	4	7	37	<8	0.10	<10	164	<10	69	<5
B0026183	1065	171	0.99	2	4	109	<8	0.08	<10	108	<10	211	<5
B0026184	1013	32	1.00	<2	5	46	<8	0.10	<10	127	<10	47	<5
B0026185	960	242	0.97	<2	8	72	<8	0.11	<10	111	<10	552	<5
B0026186	911	23	1.29	<2	6	97	<8	0.13	<10	85	<10	48	<5
B0026187	919	21	1.32	4	4	81	<8	0.10	<10	76	<10	41	<5
B0026188	637	6	1.03	<2	7	39	<8	0.07	<10	71	<10	18	<5
B0026189	891	7	1.92	3	6	190	<8	0.11	<10	113	<10	23	<5
B0026190	945	6	1.56	<2	8	84	<8	0.09	<10	92	<10	16	<5
B0026191	1106	12	1.99	4	9	88	<8	0.14	<10	177	<10	27	<5
B0026192	1078	10	2.03	<2	9	86	<8	0.14	<10	156	<10	25	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0026193	1029	10	1.52	<2	9	91	<8	0.16	<10	106	<10	26	<5
B0026194	1024	9	1.03	<2	10	71	<8	0.17	<10	123	<10	26	<5
B0026195	63	<2	<0.01	<2	<2	83	<8	<0.01	<10	1	<10	<1	<5
B0026196	1027	10	1.58	<2	6	78	<8	0.12	<10	121	<10	18	<5
B0026197	1215	11	1.29	<2	5	66	<8	0.12	<10	85	<10	26	<5
B0026198	780	90	1.32	<2	7	68	<8	0.11	<10	210	<10	188	<5
B0026199	1211	15	1.67	<2	8	103	<8	0.22	<10	146	<10	50	<5
B0026200	1483	11	1.53	3	4	157	<8	0.12	<10	175	<10	35	<5
B0026201	339	206	0.12	6	3	84	<8	0.09	<10	63	<10	128	<5
B0026202	948	40	1.27	2	6	61	<8	0.15	<10	79	<10	101	<5
B0026203	507	6	0.76	<2	4	42	<8	0.09	<10	48	<10	21	<5
B0026204	1084	15	1.25	<2	9	63	<8	0.16	<10	100	<10	41	<5
B0026205	1421	12	1.00	3	10	107	<8	0.20	<10	116	<10	40	<5
B0026206	616	8	0.38	3	7	39	<8	0.14	<10	54	<10	60	<5
B0026206PD	630	7	0.32	<2	7	30	<8	0.15	<10	57	<10	72	<5
B0026207	526	7	0.32	<2	5	17	<8	0.14	<10	45	<10	33	<5
B0026208	550	9	0.44	<2	5	35	<8	0.14	<10	60	<10	31	<5
B0026209	744	7	0.44	<2	5	57	<8	0.12	<10	50	<10	32	<5
B0026210	573	11	0.35	<2	5	98	<8	0.11	<10	52	<10	30	<5
B0026211	692	53	0.39	4	5	21	<8	0.10	<10	60	<10	58	<5
B0026212	676	67	0.48	5	5	28	<8	0.09	<10	58	<10	108	<5
B0026213	606	7	0.43	<2	5	31	<8	0.11	<10	56	<10	26	<5
B0026214	561	6	0.21	<2	6	73	<8	0.12	<10	53	<10	28	<5
B0026215	56	<2	<0.01	<2	<2	88	<8	<0.01	<10	1	<10	<1	<5
B0026216	701	11	0.31	3	8	31	<8	0.15	<10	78	<10	42	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	V	W	Zn	Zr
	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample ID	10	2	0.01	2	2	1	8	0.01	10	1	10	1	5
B0026217	1073	14	1.11	3	5	149	<8	0.12	<10	103	<10	46	<5
B0026218	1020	10	1.00	<2	7	123	<8	0.16	<10	108	<10	65	<5
B0026219	1189	29	1.79	5	3	68	<8	0.06	<10	71	<10	3354	<5
B0026220	584	377	1.19	2	<2	172	<8	0.02	<10	23	22	783	15
B0026221	944	29	1.56	<2	3	101	<8	0.08	<10	67	<10	183	<5
B0026222	1225	89	1.59	<2	5	82	<8	0.10	<10	122	<10	372	<5
B0026223	902	25	1.02	<2	3	174	<8	0.08	<10	140	<10	164	<5
B0026224	805	70	1.50	<2	8	67	<8	0.16	<10	128	<10	270	<5
B0026225	897	12	1.19	<2	12	139	<8	0.22	<10	131	<10	132	<5
B0026226	721	32	0.96	3	9	53	<8	0.17	<10	96	<10	99	<5
B0026227	882	61	1.10	2	6	57	<8	0.13	<10	102	<10	258	<5
B0026228	822	21	0.97	<2	6	86	<8	0.14	<10	80	<10	114	<5
B0026229	1081	49	0.91	2	5	124	<8	0.10	<10	62	<10	432	<5
B0026230	1203	126	1.00	5	8	131	<8	0.11	<10	105	<10	488	<5
B0026231	857	138	1.30	<2	5	73	<8	0.09	<10	76	<10	357	<5
B0026232	810	125	1.27	3	6	62	<8	0.11	<10	78	<10	350	<5
B0026233	805	45	1.56	3	8	117	<8	0.15	<10	97	<10	213	<5
B0026234	2153	24	1.57	<2	10	177	<8	0.23	<10	120	<10	122	<5
B0026235	77	<2	<0.01	<2	<2	90	<8	<0.01	<10	1	<10	1	<5
B0026236	1772	110	1.48	<2	8	125	<8	0.04	<10	340	<10	843	<5
B0026237	1755	90	0.86	<2	7	99	<8	0.06	<10	577	<10	424	<5
B0026238	1416	500	3.12	3	5	157	<8	0.02	<10	251	<10	1690	<5
B0026239	1712	224	0.57	<2	6	142	<8	0.03	<10	150	<10	887	<5
B0026240	366	224	0.12	7	4	88	<8	0.10	<10	67	<10	136	<5
B0026241	5873	1003	2.68	2	<2	122	<8	<0.01	<10	32	<10	2153	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0026242	1005	977	1.49	4	<2	113	<8	<0.01	<10	33	<10	2439	<5
B0026243	1352	960	1.37	<2	6	126	<8	0.09	<10	373	<10	4221	<5
B0026244	1551	364	0.50	3	8	98	<8	0.08	<10	175	<10	644	<5
B0026245	1275	101	0.36	<2	10	117	<8	0.11	<10	168	<10	252	6
B0026246	1005	60	0.70	<2	9	85	<8	0.16	<10	116	<10	124	<5
B0026246PD	970	65	0.67	<2	9	84	<8	0.16	<10	120	<10	144	<5
B0026247	1726	221	0.54	<2	6	119	<8	0.12	<10	453	<10	1003	5
B0026248	1811	19	2.10	3	5	153	<8	0.18	<10	101	<10	68	<5
B0026249	1313	15	1.85	5	4	198	<8	0.13	<10	79	<10	48	<5
B0026250	1191	28	2.37	<2	7	211	<8	0.21	<10	98	<10	106	<5
B0026251	1203	23	3.14	4	11	236	<8	0.20	<10	131	<10	188	<5
B0026252	1237	25	3.00	<2	14	224	<8	0.21	<10	151	<10	174	<5
B0026253	1636	26	1.97	<2	5	217	<8	0.12	<10	77	<10	155	<5
B0026254	1304	20	1.90	3	5	155	<8	0.15	<10	80	<10	563	<5
B0026255	67	<2	<0.01	4	<2	95	<8	<0.01	<10	1	<10	1	<5
B0026256	1298	33	2.36	4	6	166	<8	0.11	<10	83	<10	953	<5
B0026257	1006	38	2.29	2	5	136	<8	0.13	<10	78	<10	234	<5
B0026258	964	38	1.32	<2	5	178	<8	0.09	<10	68	<10	204	<5
B0026259	1519	32	2.33	<2	6	282	<8	0.16	<10	82	<10	209	<5
B0026260	605	381	1.21	3	<2	170	<8	0.02	<10	23	20	814	17
B0026261	1475	33	2.14	<2	6	250	<8	0.14	<10	99	<10	78	<5
B0026262	2303	19	2.22	<2	11	221	<8	0.21	<10	149	<10	93	<5
B0026263	2148	28	1.75	4	9	105	<8	0.13	<10	124	<10	95	<5
B0026264	1092	51	2.05	4	6	96	<8	0.12	<10	93	<10	85	<5
B0026265	900	21	1.91	<2	10	94	<8	0.14	<10	119	<10	63	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0026266	1485	24	2.38	<2	13	212	<8	0.17	<10	138	<10	98	<5
B0026267	824	19	1.41	6	5	127	<8	0.05	<10	60	<10	81	<5
B0026268	1323	22	1.42	<2	6	101	<8	0.06	<10	70	<10	89	<5
B0026269	1476	337	2.11	2	5	178	<8	0.05	<10	71	<10	887	<5
B0026270	1634	20	1.10	3	2	219	<8	0.11	<10	34	<10	78	<5
B0026271	995	7	1.89	4	7	157	<8	0.17	<10	96	<10	56	<5
B0026272	1042	7	2.01	3	8	130	<8	0.17	<10	108	<10	65	<5
B0026273	1120	49	3.35	9	7	138	<8	0.08	<10	73	<10	205	<5
B0026274	1118	6	1.82	<2	11	196	<8	0.22	<10	139	<10	77	<5
B0026275	81	<2	<0.01	<2	<2	101	<8	<0.01	<10	1	<10	<1	<5
B0026276	1333	15	1.44	2	8	206	<8	0.23	<10	134	<10	141	<5
B0026277	948	7	1.26	<2	8	113	<8	0.16	<10	113	<10	164	<5
B0026278	836	6	0.65	3	4	187	<8	0.11	<10	67	<10	86	<5
B0026279	854	10	0.61	<2	4	331	<8	0.09	<10	58	<10	56	<5
B0026280	370	225	0.12	5	4	95	<8	0.09	<10	70	<10	132	<5
B0026281	1066	8	1.50	<2	10	201	<8	0.13	<10	123	<10	253	<5
B0026282	692	14	1.59	4	8	178	<8	0.18	<10	135	<10	341	<5
B0026283	2210	25	2.20	3	9	342	<8	0.21	<10	136	<10	109	<5
B0026284	1222	8	1.19	4	5	218	<8	0.12	<10	94	<10	119	<5
B0026285	1325	13	1.43	4	3	333	<8	0.12	<10	67	<10	76	<5
B0026286	1033	15	0.76	<2	3	231	<8	0.09	<10	58	<10	242	<5
B0026286PD	1068	16	0.68	<2	3	246	<8	0.09	<10	58	<10	245	<5
B0026287	987	8	0.60	<2	3	270	<8	0.09	<10	61	<10	51	<5
B0026288	889	8	0.76	<2	2	239	<8	0.08	<10	54	<10	191	<5
B0026289	1303	21	1.14	4	7	224	<8	0.18	<10	115	<10	171	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0026290	856	10	1.08	<2	8	126	<8	0.17	<10	111	<10	119	<5
B0026291	936	30	1.40	5	8	110	<8	0.15	<10	114	<10	306	<5
B0026292	878	24	1.26	<2	8	109	<8	0.18	<10	109	<10	221	<5
B0026293	1712	24	0.83	2	10	367	<8	0.22	<10	122	<10	99	<5
B0026294	1283	14	0.84	<2	9	309	<8	0.24	<10	118	<10	90	<5
B0026295	83	<2	<0.01	<2	<2	99	<8	<0.01	<10	1	<10	<1	<5
B0026296	993	8	1.09	<2	10	197	<8	0.24	<10	133	<10	91	<5
B0026297	1123	6	0.98	2	6	184	<8	0.14	<10	71	<10	75	<5
B0026298	1536	14	0.88	<2	9	153	<8	0.18	<10	123	<10	91	<5
B0026299	971	3	0.58	<2	5	137	<8	0.13	<10	58	<10	56	<5
B0026300	602	413	1.21	<2	<2	160	<8	0.02	<10	23	20	808	15
B0027001	985	9	0.93	<2	5	177	<8	0.14	<10	77	<10	82	<5
B0027002	687	12	0.46	3	4	104	<8	0.09	<10	65	<10	177	<5
B0027003	977	14	0.81	2	6	139	<8	0.16	<10	83	<10	115	<5
B0027004	1300	17	1.17	<2	12	222	<8	0.23	<10	145	<10	92	<5
B0027005	779	10	0.54	<2	6	142	<8	0.09	<10	67	<10	49	<5
B0027006	652	11	0.46	3	4	151	<8	0.09	<10	56	<10	46	<5
B0027007	1074	13	0.97	4	11	276	<8	0.25	<10	115	<10	86	<5
B0027008	1322	12	1.39	<2	8	208	<8	0.15	<10	108	<10	88	<5
B0027009	1772	16	0.95	<2	8	230	<8	0.16	<10	103	<10	84	<5
B0027010	1940	40	1.26	3	15	192	<8	0.18	<10	157	<10	385	<5
B0027011	615	25	1.18	<2	6	63	<8	0.11	<10	63	<10	246	<5
B0027012	657	26	0.99	<2	7	54	<8	0.11	<10	65	<10	256	<5
B0027013	1481	17	1.39	<2	9	303	<8	0.19	<10	101	<10	87	<5
B0027014	990	5	0.46	<2	8	56	<8	0.15	<10	71	<10	25	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0027015	70	<2	<0.01	<2	<2	92	<8	<0.01	<10	1	<10	<1	<5
B0027016	512	4	0.38	<2	8	58	<8	0.12	<10	71	<10	36	<5
B0027017	512	8	0.14	<2	6	42	<8	0.12	<10	54	<10	43	<5
B0027018	606	5	0.27	<2	8	34	<8	0.16	<10	61	<10	42	<5
B0027019	664	7	0.28	3	9	58	<8	0.16	<10	70	<10	38	<5
B0027020	360	224	0.12	5	4	88	<8	0.09	<10	67	<10	131	<5
B0027021	1642	13	0.60	<2	15	275	<8	0.19	<10	142	<10	50	<5
B0027021PD	1732	14	0.50	5	18	264	<8	0.21	<10	163	<10	50	<5
B0027022	824	4	0.34	<2	7	52	<8	0.16	<10	71	<10	47	<5
B0027023	829	5	0.58	3	7	67	<8	0.15	<10	72	<10	28	<5
B0027024	737	10	0.55	<2	7	132	<8	0.14	<10	68	<10	32	<5
B0027025	868	5	0.49	<2	10	128	<8	0.17	<10	96	<10	28	<5
B0027026	2247	14	0.76	2	15	227	<8	0.18	<10	136	<10	71	<5
B0027027	1611	13	1.10	<2	9	215	<8	0.16	<10	99	<10	43	<5
B0027028	802	42	0.85	<2	5	251	<8	0.04	<10	47	<10	896	<5
B0027029	771	6	0.68	4	6	150	<8	0.11	<10	63	<10	28	<5
B0027030	645	5	0.39	<2	6	100	<8	0.14	<10	64	<10	24	<5
B0027031	736	9	0.24	3	7	152	<8	0.17	<10	68	<10	42	<5
B0027032	751	10	0.28	3	7	198	<8	0.15	<10	64	<10	43	<5
B0027033	850	7	0.30	<2	8	66	<8	0.16	<10	80	<10	60	<5
B0027034	652	5	0.56	<2	5	73	<8	0.14	<10	69	<10	49	<5
B0027035	61	<2	<0.01	2	<2	97	<8	<0.01	<10	1	<10	<1	<5
B0027036	827	9	0.28	2	5	142	<8	0.15	<10	53	<10	63	<5
B0027037	987	4	0.37	5	5	157	<8	0.16	<10	56	<10	56	<5
B0027038	1910	13	1.31	<2	9	255	<8	0.18	<10	109	<10	71	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0027039	1800	19	1.59	5	9	342	<8	0.18	<10	98	<10	37	<5
B0027040	596	392	1.21	3	<2	176	<8	0.02	<10	23	17	789	16
B0027041	1067	3	2.32	<2	6	169	<8	0.15	<10	91	<10	87	<5
B0027041PD	1064	3	2.43	2	6	170	<8	0.14	<10	89	<10	94	<5
B0027042	911	4	1.76	6	8	159	<8	0.14	<10	113	<10	112	<5
B0027043	1036	10	1.79	<2	6	161	<8	0.13	<10	102	<10	108	<5
B0027044	1720	60	1.65	<2	11	242	<8	0.12	<10	115	<10	1391	<5
B0027045	805	49	0.59	<2	8	97	<8	0.09	<10	70	<10	201	<5
B0027046	559	62	0.21	<2	5	67	<8	0.11	<10	45	<10	266	<5
B0027047	1426	16	0.85	<2	9	258	<8	0.15	<10	94	<10	45	<5
B0027048	911	5	0.49	2	6	107	<8	0.10	<10	64	<10	20	<5
B0027049	1182	5	0.38	<2	10	116	<8	0.20	<10	110	<10	23	<5
B0027050	587	6	0.52	3	5	107	<8	0.08	<10	46	<10	19	<5
B0027051	621	6	0.45	4	7	72	<8	0.09	<10	64	<10	16	<5
B0027052	626	5	0.56	<2	8	68	<8	0.10	<10	69	<10	18	<5
DUP B0026107	836	13	0.55	<2	7	55	<8	0.12	<10	64	<10	40	<5
DUP B0026140	594	396	1.18	3	<2	176	<8	0.02	<10	22	18	786	15
DUP B0026176	781	10	0.13	2	11	29	<8	0.22	<10	118	<10	31	<5
DUP B0026224	786	70	1.49	5	9	75	<8	0.18	<10	132	<10	270	<5
DUP B0026258	953	37	1.41	<2	5	184	<8	0.09	<10	70	<10	201	<5
DUP B0026273	1145	51	3.34	7	7	143	<8	0.09	<10	75	<10	202	<5
DUP B0026128													
DUP B0026158													
DUP B0026187													
DUP B0026207													

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
DUP B0026256													
DUP B0026298													
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK													
STD BLANK													
STD BLANK													
STD BLANK													
STD BLANK													
STD BLANK													
STD OREAS 24b	635	9	0.19	<2	11	31	14	0.20	<10	78	<10	93	27
STD OREAS 601	360	282	1.02	20	<2	36	<8	<0.01	<10	8	<10	1292	25
STD OREAS 24b	666	13	0.20	<2	10	31	14	0.22	<10	79	<10	95	27
STD OREAS 601	367	275	1.05	19	<2	37	<8	<0.01	<10	9	<10	1297	26
STD OREAS 24b	634	15	0.19	<2	10	30	15	0.22	<10	79	<10	93	29
STD OREAS 601	358	275	1.04	19	<2	36	<8	<0.01	<10	9	<10	1280	22

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910246

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 07-Nov-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
STD OxA131													
STD OxJ120													
STD OxG124													
STD OxA131													
STD OxJ120													
STD OxG124													

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910228**

Project Name:	Dunwell
Job Received Date:	17-Sep-2019
Job Report Date:	14-Oct-2019
Number of Samples:	96
Report Version:	Final

COMMENTS:

Test results reported relate to the tested samples only on an "as received" basis. Unless otherwise stated above, sufficient sample was received for the methods requested and all samples were received in acceptable condition. Analytical results in unsigned reports marked "provisional" are subject to change, pending final QC review and approval. The customer has not provided any information than can affect the validity of the test results. Please refer to MSALABS' Schedule of Services and Fees for our complete Terms and Conditions. Preliminary results are applicable when a portion of samples in a job is 100% completed and reported or 1 of a number of methods on the same job have been completed 100%. Results cannot change, but additional results or results for additional methods can be added.

SAMPLE PREPARATION	
METHOD CODE	DESCRIPTION
PRP-910	Dry, Crush to 70% passing 2mm, Split 250g, Pulverize to 85% passing 75µm
	Sample preparation performed by MS Analytical Terrace

ANALYTICAL METHODS	
METHOD CODE	DESCRIPTION
FAS-111	Au, Fire Assay, 30g fusion, AAS, Trace Level
ICP-130	Multi-Element, 0.5g, 3:1 Aqua Regia, ICP-AES, Trace Level

Signature:

Yvette Hsi, BSc.
Laboratory Manager
MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910228

Project Name: Dunwell
Job Received Date: 17-Sep-2019
Job Report Date: 14-Oct-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
Granite Blank	QC-P-BK	--		<0.005	<0.2	1.13	<2	<10	104	<0.5	<2	0.73	<0.5
Granite Blank	QC-P-BK	--		<0.005	<0.2	1.11	<2	<10	104	<0.5	<2	0.71	<0.5
B0026001	Core	3.14		<0.005	0.9	3.91	25	<10	108	0.7	<2	3.47	<0.5
B0026002	Core	2.48		<0.005	1.6	3.61	27	<10	85	0.9	<2	3.03	2.7
B0026003	Core	2.58		<0.005	0.9	3.10	18	<10	112	0.6	<2	2.02	0.6
B0026004	Core	2.44		0.011	0.8	3.96	28	<10	104	0.8	<2	2.89	<0.5
B0026004PD	QC-PD	--		0.008	0.8	3.95	30	<10	105	0.8	<2	2.88	<0.5
B0026005	Core	2.46		0.019	0.7	3.65	26	<10	128	0.7	<2	2.84	<0.5
B0026006	Core	2.46		0.007	0.8	3.56	17	<10	139	0.6	<2	3.40	0.6
B0026007	Core	2.46		0.007	0.9	3.41	42	<10	108	0.8	<2	3.17	0.7
B0026008	Core	2.50		0.006	0.9	3.02	22	<10	87	0.7	<2	3.20	0.7
B0026009	Core	2.50		0.078	25.0	1.95	72	<10	64	0.6	<2	2.73	136.7
B0026010	Core	2.10		0.007	1.3	2.77	29	<10	113	0.7	<2	3.76	1.7
B0026011	Core	0.60		<0.005	0.9	2.85	3	<10	176	<0.5	<2	1.46	<0.5
B0026012	Core	0.54		0.005	0.8	2.73	3	<10	163	<0.5	<2	1.44	<0.5
B0026013	Core	0.98		<0.005	0.5	0.02	4	<10	11	<0.5	<2	>25	<0.5
B0026014	Core	1.52		0.007	1.3	1.48	44	<10	77	<0.5	<2	4.55	2.4
B0026015	Core	2.54		0.006	1.3	2.99	23	<10	238	0.7	<2	5.48	5.5
B0026016	Core	2.42		0.008	1.5	3.06	37	<10	254	1.0	<2	3.59	3.3
B0026017	Core	2.12		0.010	1.0	2.93	37	<10	183	0.6	<2	2.94	1.7
B0026018	Core	2.00		0.018	1.4	1.87	107	<10	139	<0.5	<2	2.08	1.3
B0026019	Core	2.36		0.827	20.1	3.32	89	<10	69	0.5	3	3.80	48.1
B0026020	Pulp	0.06		3.130	12.3	1.33	4244	<10	143	<0.5	4	2.54	8.3
B0026021	Core	2.60		0.052	1.1	2.94	131	<10	184	<0.5	<2	2.10	0.7
B0026022	Core	2.66		0.052	0.9	3.13	42	<10	222	<0.5	<2	2.09	0.7

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910228

Project Name: Dunwell
Job Received Date: 17-Sep-2019
Job Report Date: 14-Oct-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0026023	Core	2.90		0.031	1.3	2.61	5	<10	158	<0.5	<2	2.32	0.8
B0026024	Core	1.56		0.041	1.3	2.79	8	<10	166	<0.5	<2	1.96	0.8
B0026025	Core	1.82		0.095	1.0	3.68	40	<10	250	0.7	<2	2.53	1.1
B0026026	Core	1.58		0.052	1.3	2.87	4	<10	176	<0.5	<2	1.94	0.7
B0026027	Core	1.72		0.005	1.3	2.45	5	<10	280	<0.5	<2	3.51	1.7
B0026028	Core	3.24		0.005	0.8	4.61	45	<10	418	1.0	<2	3.50	0.7
B0026029	Core	2.50		0.031	1.2	2.31	5	<10	158	<0.5	<2	1.88	<0.5
B0026030	Core	2.44		0.011	1.4	2.80	4	<10	180	0.5	<2	2.20	1.3
B0026031	Core	2.54		0.005	1.3	2.71	4	<10	197	<0.5	<2	2.44	1.1
B0026032	Core	--		0.006	1.2	2.70	5	<10	200	<0.5	<2	2.28	0.9
B0026033	Core	2.00		0.015	1.2	3.24	<2	16	247	<0.5	<2	1.65	0.9
B0026034	Core	2.00		0.020	1.0	4.80	12	<10	290	0.7	<2	3.54	<0.5
B0026035	Core	1.06		0.012	0.3	0.02	<2	13	11	<0.5	<2	>25	<0.5
B0026036	Core	2.30		0.022	1.2	2.64	4	<10	221	<0.5	<2	3.15	1.7
B0026037	Core	1.92		0.054	1.0	2.46	96	<10	142	<0.5	<2	2.72	0.7
B0026038	Core	2.70		0.233	1.1	3.06	13	<10	208	<0.5	<2	1.95	0.9
B0026039	Core	2.36		0.027	0.7	3.25	15	<10	172	<0.5	<2	2.44	<0.5
B0026040	Pulp	0.09		3.947	19.8	3.31	10	<10	102	<0.5	<2	2.23	0.8
B0026041	Core	2.22		0.019	0.8	3.43	8	<10	224	<0.5	<2	3.31	<0.5
B0026042	Core	2.40		0.018	0.7	3.13	3	<10	311	<0.5	<2	2.63	0.9
B0026043	Core	2.30		0.015	0.8	2.85	12	<10	305	<0.5	<2	2.93	1.0
B0026044	Core	2.46		0.018	0.7	3.40	8	<10	458	<0.5	<2	1.78	1.1
B0026045	Core	3.56		0.017	0.7	2.88	4	<10	252	<0.5	<2	3.63	<0.5
B0026046	Core	1.78		0.018	0.6	3.22	13	<10	304	0.6	<2	10.19	0.5
B0026047	Core	1.20		0.021	0.4	5.51	22	<10	653	0.8	<2	2.57	17.3

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910228

Project Name: Dunwell
Job Received Date: 17-Sep-2019
Job Report Date: 14-Oct-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0026048	Core	1.14		0.024	0.7	5.21	30	<10	220	0.9	<2	3.74	0.7
B0026049	Core	2.04		0.020	0.8	2.39	<2	<10	286	<0.5	<2	2.31	0.7
B0026050	Core	2.30		0.013	1.0	2.00	2	<10	221	<0.5	<2	2.20	1.0
B0026051	Core	1.06		0.015	0.9	2.89	<2	<10	234	<0.5	<2	2.66	0.7
B0026052	Core	1.28		0.015	0.9	2.63	<2	<10	192	<0.5	<2	3.49	0.7
B0026053	Core	2.40		0.012	1.0	1.98	4	<10	159	<0.5	<2	2.60	0.9
B0026054	Core	2.42		0.019	1.0	2.38	28	<10	193	<0.5	<2	2.03	1.1
B0026055	Core	1.06		0.007	0.5	0.02	<2	<10	11	<0.5	<2	>25	<0.5
B0026056	Core	2.48		0.028	1.4	1.61	361	<10	72	<0.5	<2	3.54	3.2
B0026056PD	QC-PD	--		0.024	1.5	1.73	182	<10	95	<0.5	<2	3.07	4.2
B0026057	Core	2.32		0.022	1.8	1.42	58	<10	89	<0.5	<2	3.63	6.3
B0026058	Core	2.30		0.015	1.1	1.68	18	<10	108	<0.5	<2	2.65	1.2
B0026059	Core	2.22		0.018	1.1	2.61	<2	<10	158	<0.5	<2	1.76	0.7
B0026060	Pulp	0.12		3.026	12.1	1.42	4490	<10	155	<0.5	<2	2.68	8.7
B0026061	Core	2.38		0.019	1.6	2.10	4	<10	72	<0.5	<2	2.50	1.2
B0026062	Core	2.94		0.017	1.4	2.27	2	<10	127	<0.5	<2	4.35	4.1
B0026063	Core	2.28		0.019	1.1	0.82	30	<10	16	<0.5	<2	13.14	1.5
B0026064	Core	2.88		0.017	1.0	0.91	19	11	14	<0.5	<2	14.63	1.0
B0026065	Core	2.50		0.017	1.5	1.78	5	12	56	<0.5	<2	6.59	0.6
B0026066	Core	2.04		0.012	1.3	2.46	51	<10	129	0.5	<2	4.71	0.6
B0026067	Core	1.48		0.013	0.9	0.93	6	<10	14	<0.5	<2	16.93	2.7
B0026068	Core	2.82		0.013	0.6	3.41	8	<10	53	<0.5	<2	4.79	3.6
B0026069	Core	2.50		0.012	0.7	4.00	13	<10	79	0.6	<2	5.20	1.0
B0026070	Core	1.94		0.012	1.4	2.06	106	<10	21	0.6	<2	10.30	4.9
B0026071	Core	3.24		0.011	3.8	1.52	105	<10	27	0.6	<2	6.80	6.2

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910228

Project Name: Dunwell
Job Received Date: 17-Sep-2019
Job Report Date: 14-Oct-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0026072	Core	--		0.012	3.5	1.58	111	<10	26	0.6	3	7.17	5.9
B0026073	Core	2.66		2.242	17.8	1.71	475	<10	16	<0.5	6	3.55	214.8
B0026074	Core	2.56		0.092	9.7	1.57	200	<10	27	0.6	<2	4.92	22.1
B0026075	Core	1.10		<0.005	0.4	0.02	<2	<10	<10	<0.5	<2	>25	<0.5
B0026076	Core	2.84		0.065	7.1	1.60	118	<10	51	0.7	4	4.03	6.9
B0026077	Core	2.84		0.281	8.8	1.37	339	<10	38	0.6	2	3.03	16.9
B0026078	Core	2.72		0.078	3.3	1.64	99	<10	43	0.5	<2	3.68	5.8
B0026079	Core	3.00		0.008	2.7	3.19	47	<10	38	0.5	4	3.79	6.6
B0026080	Pulp	0.10		3.939	19.9	3.30	9	<10	100	<0.5	<2	2.18	1.0
B0026081	Core	2.64		0.007	2.0	2.58	36	<10	49	0.5	3	4.23	6.0
B0026082	Core	2.64		0.092	5.0	0.60	115	<10	20	<0.5	2	1.61	1.6
B0026083	Core	2.52		0.053	1.3	1.51	107	<10	47	0.5	<2	2.08	1.6
B0026084	Core	2.70		0.040	0.7	1.48	42	<10	38	<0.5	<2	1.56	<0.5
B0026085	Core	2.62		0.035	1.2	3.22	163	<10	66	0.6	<2	3.52	2.1
B0026086	Core	2.70		0.024	0.7	2.40	128	<10	64	<0.5	<2	2.21	0.8
B0026087	Core	2.54		0.015	0.6	3.19	32	<10	80	<0.5	<2	2.58	<0.5
B0026087PD	QC-PD	--		0.018	0.7	3.22	43	<10	93	<0.5	<2	2.71	0.7
B0026088	Core	2.58		0.063	0.9	2.47	530	<10	73	0.5	<2	2.53	1.7
B0026089	Core	2.52		0.051	1.1	3.24	346	10	90	0.8	<2	2.33	1.9
B0026090	Core	2.74		0.058	1.0	3.09	464	<10	69	0.8	<2	2.48	2.0
B0026091	Core	1.28		0.041	1.3	3.26	175	<10	53	0.6	<2	2.82	3.2
B0026092	Core	1.32		0.047	1.5	3.42	82	<10	57	0.6	<2	2.94	2.4
B0026093	Core	2.56		0.012	1.0	2.41	28	<10	81	<0.5	<2	2.08	0.7
B0026094	Core	2.56		0.022	1.9	2.34	28	<10	75	<0.5	<2	3.79	10.5
B0026095	Core	1.14		<0.005	0.4	0.03	<2	12	13	<0.5	<2	>25	<0.5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910228

Project Name: Dunwell
Job Received Date: 17-Sep-2019
Job Report Date: 14-Oct-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
B0026096	Core	2.48		0.009	0.8	2.71	20	<10	136	<0.5	<2	2.35	<0.5
B0026096PD	QC-PD	--		0.009	0.9	2.67	20	<10	134	<0.5	<2	2.44	<0.5
DUP B0026026					1.2	2.98	3	<10	170	<0.5	<2	2.02	0.9
DUP B0026062					1.6	2.26	<2	<10	131	<0.5	<2	4.42	4.2
DUP B0026008				0.007									
DUP B0026095				<0.005									
STD BLANK					<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5
STD BLANK					<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5
STD BLANK				<0.005									
STD BLANK				<0.005									
STD OREAS 24b					<0.2	3.16	4	<10	149	1.5	<2	0.46	<0.5
STD OREAS 601					49.7	0.83	309	<10	191	0.7	21	1.06	8.4
STD OxG124				0.930									
STD OxD127				0.455									

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910228

Project Name: Dunwell
Job Received Date: 17-Sep-2019
Job Report Date: 14-Oct-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
Granite Blank	4	124	6	1.90	<10	<1	0.18	<10	0.51	537	2	0.21	3
Granite Blank	4	136	4	1.83	<10	<1	0.18	<10	0.52	547	1	0.21	4
B0026001	13	116	80	3.28	13	<1	0.73	<10	1.38	740	5	0.53	48
B0026002	13	120	93	3.31	14	<1	0.60	<10	1.47	831	9	0.42	49
B0026003	10	151	73	2.68	11	<1	0.62	<10	1.26	611	3	0.35	38
B0026004	13	128	83	3.32	12	<1	0.60	<10	1.16	548	5	0.60	44
B0026004PD	13	127	83	3.36	14	<1	0.61	<10	1.16	547	4	0.60	44
B0026005	11	246	72	3.07	14	<1	0.76	<10	1.18	585	3	0.53	39
B0026006	15	125	93	3.80	12	<1	0.78	<10	1.40	711	5	0.54	44
B0026007	12	125	77	3.12	12	<1	0.63	<10	1.26	725	6	0.48	43
B0026008	12	128	77	2.84	10	<1	0.41	<10	1.02	648	6	0.48	43
B0026009	11	128	327	3.31	<10	<1	0.44	<10	0.82	1377	10	0.12	53
B0026010	12	102	73	3.01	<10	<1	0.53	<10	1.15	1055	6	0.24	39
B0026011	14	48	72	5.07	14	<1	0.55	<10	1.82	567	1	0.37	9
B0026012	14	43	66	4.79	15	<1	0.54	<10	1.84	583	1	0.34	7
B0026013	<1	4	1	0.07	<10	<1	<0.01	<10	0.61	92	<1	<0.01	<1
B0026014	6	143	53	1.37	<10	<1	0.15	<10	0.50	555	5	0.21	62
B0026015	9	112	88	2.68	12	<1	0.43	<10	1.29	795	8	0.31	74
B0026016	13	132	114	3.42	12	<1	0.58	<10	1.44	611	8	0.33	81
B0026017	15	196	80	3.22	11	<1	0.16	<10	1.71	566	4	0.29	92
B0026018	16	133	113	3.51	10	<1	0.24	<10	0.97	590	5	0.19	72
B0026019	24	262	203	5.82	14	<1	0.20	<10	2.95	2272	2	0.05	88
B0026020	13	25	79	8.28	11	<1	0.22	<10	0.85	433	5	0.03	29
B0026021	26	165	77	4.42	10	<1	0.65	<10	1.55	478	<1	0.39	69
B0026022	25	131	77	4.49	10	<1	0.79	<10	1.69	569	<1	0.44	51

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910228

Project Name: Dunwell
Job Received Date: 17-Sep-2019
Job Report Date: 14-Oct-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
B0026023	24	60	108	4.97	12	<1	0.31	<10	1.16	566	<1	0.39	24
B0026024	25	72	101	5.12	13	<1	0.61	<10	1.39	600	<1	0.42	27
B0026025	24	114	74	4.97	12	<1	0.93	<10	1.84	741	<1	0.47	38
B0026026	23	57	90	5.07	11	<1	0.58	<10	1.47	631	<1	0.40	24
B0026027	13	116	101	3.43	10	<1	0.54	<10	1.47	664	7	0.26	58
B0026028	23	225	68	2.95	13	<1	0.63	<10	1.83	365	1	0.38	102
B0026029	20	57	96	4.15	10	<1	0.29	<10	1.14	501	3	0.30	27
B0026030	13	140	97	3.40	12	<1	0.40	<10	1.11	609	3	0.33	87
B0026031	15	110	93	3.57	11	<1	0.49	<10	1.27	679	3	0.36	58
B0026032	14	119	90	3.48	12	<1	0.51	<10	1.25	653	3	0.37	57
B0026033	16	117	102	4.20	14	<1	1.05	<10	1.77	591	3	0.40	56
B0026034	28	368	79	5.13	15	<1	1.32	<10	2.87	642	<1	0.50	123
B0026035	<1	10	1	0.08	<10	<1	<0.01	<10	0.76	98	<1	0.01	<1
B0026036	14	130	95	3.82	14	<1	0.71	<10	1.57	756	3	0.29	63
B0026037	13	103	70	3.35	<10	<1	0.27	<10	0.81	496	1	0.36	41
B0026038	12	79	94	3.69	13	<1	0.60	<10	1.36	507	3	0.33	35
B0026039	15	52	78	3.47	12	<1	0.41	<10	1.11	412	1	0.46	20
B0026040	19	147	339	3.37	<10	<1	0.19	<10	1.75	470	6	0.39	172
B0026041	15	60	89	3.98	15	1	0.55	<10	1.35	535	2	0.48	23
B0026042	15	64	97	3.81	14	<1	0.76	<10	1.39	544	4	0.40	35
B0026043	13	65	91	3.71	12	<1	0.67	<10	1.28	568	4	0.27	35
B0026044	14	71	90	3.69	14	<1	0.88	<10	1.30	451	4	0.32	36
B0026045	12	60	78	3.38	12	<1	0.62	<10	1.06	731	2	0.33	28
B0026046	11	49	65	2.42	<10	<1	0.46	<10	0.84	2063	2	0.30	29
B0026047	26	111	95	5.18	16	<1	1.11	<10	2.84	524	1	0.50	41

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910228

Project Name: Dunwell
Job Received Date: 17-Sep-2019
Job Report Date: 14-Oct-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
B0026048	24	82	98	4.98	13	<1	0.27	<10	2.42	696	2	0.36	38
B0026049	10	69	87	2.91	10	<1	0.55	<10	1.12	584	3	0.23	36
B0026050	10	75	80	2.74	<10	<1	0.43	<10	1.01	536	3	0.21	40
B0026051	12	55	90	3.70	11	<1	0.63	<10	1.15	586	2	0.26	28
B0026052	11	58	81	3.31	12	<1	0.53	<10	1.03	610	2	0.22	29
B0026053	11	71	90	3.01	<10	<1	0.40	<10	1.02	583	2	0.17	39
B0026054	12	73	81	3.38	10	<1	0.74	<10	1.03	516	3	0.23	34
B0026055	<1	7	3	0.08	<10	<1	<0.01	<10	0.75	94	<1	0.01	<1
B0026056	11	74	77	2.40	<10	<1	0.28	<10	0.65	545	4	0.26	46
B0026056PD	11	81	91	2.56	<10	<1	0.32	<10	0.69	501	3	0.29	44
B0026057	11	75	101	3.09	<10	<1	0.31	<10	0.91	787	5	0.15	64
B0026058	10	84	69	2.32	<10	<1	0.38	<10	0.81	628	3	0.19	43
B0026059	12	77	84	3.32	11	<1	0.65	<10	1.14	449	3	0.25	34
B0026060	13	25	83	8.76	12	<1	0.23	<10	0.89	431	5	0.03	29
B0026061	9	101	86	2.71	<10	<1	0.32	<10	0.78	460	6	0.26	50
B0026062	11	99	97	2.97	10	<1	0.38	<10	0.82	759	6	0.22	64
B0026063	9	52	39	2.75	<10	<1	0.04	<10	0.31	327	35	0.16	84
B0026064	9	40	43	2.76	<10	<1	0.04	<10	0.47	379	40	0.16	89
B0026065	22	60	92	5.16	<10	<1	0.09	<10	0.73	340	23	0.33	91
B0026066	27	71	94	5.21	10	<1	0.15	<10	0.99	265	33	0.39	109
B0026067	7	45	31	1.83	<10	<1	0.03	<10	0.97	1005	36	0.04	82
B0026068	28	238	59	4.77	12	<1	0.06	<10	1.89	459	8	0.29	151
B0026069	33	316	57	5.12	14	<1	0.08	<10	3.40	635	5	0.21	142
B0026070	8	69	48	2.62	<10	<1	0.10	<10	2.37	1023	69	0.02	153
B0026071	13	80	60	2.79	<10	<1	0.21	<10	1.13	1866	132	0.01	239

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910228

Project Name: Dunwell
Job Received Date: 17-Sep-2019
Job Report Date: 14-Oct-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
B0026072	13	80	63	2.96	<10	<1	0.20	<10	1.24	1852	128	0.01	234
B0026073	19	150	355	7.65	<10	<1	0.16	<10	1.13	3854	87	0.01	115
B0026074	23	104	95	3.89	<10	<1	0.24	<10	1.23	6209	194	0.01	155
B0026075	<1	10	2	0.09	<10	<1	<0.01	<10	0.94	106	<1	0.01	<1
B0026076	16	79	216	3.40	<10	<1	0.36	<10	1.30	4958	6	0.02	72
B0026077	10	39	106	3.87	<10	<1	0.40	<10	0.91	5256	2	0.02	36
B0026078	13	75	71	2.95	<10	<1	0.26	<10	1.32	2979	7	0.03	61
B0026079	17	126	61	5.35	13	<1	0.37	<10	2.68	3788	3	0.02	54
B0026080	18	144	344	3.35	10	<1	0.19	<10	1.73	463	6	0.39	171
B0026081	15	70	47	4.48	10	<1	0.20	<10	2.15	3959	4	0.04	62
B0026082	5	83	28	1.52	<10	<1	0.21	<10	0.35	1660	6	0.01	24
B0026083	12	86	84	2.21	<10	<1	0.19	<10	0.56	1427	5	0.17	65
B0026084	12	88	69	2.27	<10	<1	0.11	<10	0.31	223	6	0.21	72
B0026085	13	71	91	3.13	<10	<1	0.16	<10	0.86	639	5	0.35	68
B0026086	13	60	68	2.28	<10	<1	0.18	<10	0.79	439	3	0.33	28
B0026087	15	47	89	4.13	12	<1	0.20	<10	1.50	683	2	0.30	22
B0026087PD	16	53	94	4.38	14	<1	0.22	<10	1.54	706	2	0.35	24
B0026088	11	57	57	2.44	<10	<1	0.19	<10	0.72	492	4	0.24	38
B0026089	17	73	66	2.90	10	<1	0.32	<10	0.74	354	3	0.48	32
B0026090	17	51	94	3.71	<10	<1	0.17	<10	0.64	336	2	0.44	25
B0026091	17	42	126	3.96	<10	<1	0.11	<10	0.41	259	3	0.28	38
B0026092	15	45	127	4.20	10	<1	0.12	<10	0.45	282	2	0.29	39
B0026093	14	72	106	3.69	11	<1	0.29	<10	1.11	500	3	0.26	41
B0026094	15	69	116	4.19	<10	<1	0.32	<10	1.31	992	2	0.18	42
B0026095	<1	4	1	0.08	<10	<1	0.02	<10	0.77	111	<1	0.01	<1

***Please refer to the cover page for comments regarding this test report. ***

MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910228

Project Name: Dunwell
Job Received Date: 17-Sep-2019
Job Report Date: 14-Oct-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
B0026096	13	70	94	3.55	11	<1	0.60	<10	1.07	532	2	0.39	34
B0026096PD	12	63	88	3.45	11	<1	0.61	<10	1.07	553	3	0.37	32
DUP B0026026	25	65	94	5.33	12	<1	0.60	<10	1.54	660	<1	0.41	25
DUP B0026062	11	100	99	3.00	<10	<1	0.38	<10	0.83	772	6	0.22	65
DUP B0026008													
DUP B0026095													
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD BLANK													
STD BLANK													
STD OREAS 24b	15	106	36	3.92	13	<1	1.17	17	1.36	350	4	0.12	56
STD OREAS 601	5	47	1008	2.18	<10	1	0.25	13	0.19	426	3	0.08	26
STD OxG124													
STD OxD127													

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910228

Project Name: Dunwell
Job Received Date: 17-Sep-2019
Job Report Date: 14-Oct-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
Granite Blank	434	<2	0.02	<2	4	30	<8	0.11	<10	28	<10	34	6
Granite Blank	410	3	0.02	<2	4	30	<8	0.10	<10	26	<10	32	6
B0026001	907	14	1.13	2	8	159	<8	0.14	11	116	<10	53	<5
B0026002	999	136	1.01	5	9	125	<8	0.12	<10	117	<10	296	<5
B0026003	689	26	0.73	<2	8	92	<8	0.13	<10	91	<10	77	<5
B0026004	1041	14	1.28	<2	9	156	<8	0.16	<10	114	<10	59	<5
B0026004PD	1031	14	1.29	3	9	156	<8	0.15	<10	114	<10	60	<5
B0026005	937	13	0.98	2	10	162	<8	0.14	<10	104	<10	60	<5
B0026006	1024	12	1.46	<2	11	162	<8	0.17	<10	127	<10	67	<5
B0026007	899	13	1.05	3	8	146	<8	0.14	<10	102	<10	63	<5
B0026008	945	10	1.12	2	5	140	<8	0.12	<10	89	<10	59	<5
B0026009	857	1582	2.29	2	4	102	<8	0.08	<10	98	<10	>10000	<5
B0026010	923	80	1.01	<2	7	164	<8	0.10	<10	89	<10	177	<5
B0026011	2082	12	2.22	3	15	117	<8	0.23	<10	137	<10	71	7
B0026012	2037	13	1.96	2	15	108	<8	0.23	<10	137	<10	77	6
B0026013	61	<2	<0.01	<2	<2	88	<8	<0.01	<10	1	<10	<1	<5
B0026014	1214	14	0.56	5	4	183	<8	0.11	<10	67	<10	207	<5
B0026015	1425	12	1.06	4	9	254	<8	0.16	<10	144	<10	449	<5
B0026016	1102	12	1.49	5	10	192	<8	0.16	<10	146	<10	264	<5
B0026017	1242	15	1.12	3	9	151	<8	0.17	<10	113	<10	147	<5
B0026018	695	42	1.49	<2	9	73	<8	0.12	<10	117	<10	98	<5
B0026019	1463	3094	1.39	8	14	86	<8	0.09	<10	140	<10	4714	<5
B0026020	532	384	1.17	5	<2	155	<8	0.02	<10	22	19	769	16
B0026021	1901	16	1.83	4	8	158	<8	0.26	<10	102	<10	59	7
B0026022	1863	12	1.56	<2	8	183	<8	0.27	<10	113	<10	69	8

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910228

Project Name: Dunwell
Job Received Date: 17-Sep-2019
Job Report Date: 14-Oct-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0026023	2197	19	2.26	<2	9	172	<8	0.22	<10	110	<10	64	8
B0026024	1921	19	2.15	3	10	181	<8	0.25	<10	133	<10	78	8
B0026025	2308	22	1.65	<2	14	245	<8	0.27	<10	161	<10	98	7
B0026026	2070	18	1.98	4	11	173	<8	0.24	<10	136	<10	74	6
B0026027	805	28	1.33	<2	9	126	<8	0.16	<10	136	<10	182	<5
B0026028	1666	11	0.77	<2	7	203	<8	0.17	<10	102	<10	56	<5
B0026029	1785	14	1.88	<2	8	91	<8	0.19	<10	115	<10	55	6
B0026030	711	7	1.58	3	8	117	<8	0.15	<10	101	<10	174	<5
B0026031	787	13	1.57	<2	9	113	<8	0.18	<10	115	<10	133	<5
B0026032	758	11	1.52	2	9	110	<8	0.18	<10	112	<10	122	<5
B0026033	923	7	1.71	4	13	92	<8	0.21	<10	152	<10	128	<5
B0026034	1693	8	1.35	10	19	180	<8	0.26	<10	182	<10	109	5
B0026035	90	<2	<0.01	<2	<2	86	<8	<0.01	<10	1	<10	2	<5
B0026036	940	20	1.45	<2	10	110	<8	0.18	<10	140	<10	173	<5
B0026037	1118	11	1.49	2	7	176	<8	0.14	<10	80	<10	56	<5
B0026038	896	16	1.38	<2	9	116	<8	0.17	<10	109	<10	97	<5
B0026039	1086	13	0.92	<2	8	135	<8	0.18	<10	103	<10	64	<5
B0026040	358	224	0.12	7	4	90	<8	0.09	<10	67	<10	133	<5
B0026041	960	12	1.17	<2	9	133	<8	0.22	<10	113	<10	87	<5
B0026042	895	5	1.11	3	9	110	<8	0.21	<10	133	<10	115	<5
B0026043	752	6	1.00	4	10	123	<8	0.19	<10	140	<10	116	<5
B0026044	790	6	0.84	<2	12	124	<8	0.22	<10	150	<10	114	<5
B0026045	879	4	1.00	5	9	140	<8	0.19	<10	104	<10	83	<5
B0026046	1279	8	0.67	5	5	295	<8	0.12	<10	63	<10	54	<5
B0026047	1920	12	0.48	<2	17	283	<8	0.21	<10	231	<10	1190	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910228

Project Name: Dunwell
Job Received Date: 17-Sep-2019
Job Report Date: 14-Oct-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0026048	1840	21	0.62	4	13	298	<8	0.20	<10	166	<10	93	<5
B0026049	742	14	0.82	6	8	103	<8	0.18	<10	96	<10	122	<5
B0026050	718	16	0.85	<2	8	82	<8	0.15	<10	95	<10	119	<5
B0026051	820	4	1.11	<2	9	135	<8	0.19	<10	104	<10	103	<5
B0026052	758	3	1.02	<2	8	145	<8	0.17	<10	93	<10	113	<5
B0026053	823	4	1.05	<2	7	91	<8	0.15	<10	91	<10	130	<5
B0026054	883	6	1.28	5	8	121	<8	0.15	<10	99	<10	121	<5
B0026055	79	<2	<0.01	<2	<2	94	<8	<0.01	<10	<1	<10	<1	<5
B0026056	1080	22	1.16	4	6	165	<8	0.11	<10	74	<10	192	<5
B0026056PD	928	24	1.27	6	7	155	<8	0.11	<10	78	<10	255	<5
B0026057	1153	29	1.62	6	6	149	<8	0.09	<10	74	<10	548	<5
B0026058	777	2	1.03	3	6	101	<8	0.08	<10	59	<10	131	<5
B0026059	693	3	1.44	<2	8	120	<8	0.14	<10	83	<10	95	<5
B0026060	593	399	1.21	4	2	173	<8	0.02	<10	23	17	796	17
B0026061	892	7	1.42	4	5	116	<8	0.09	<10	70	<10	160	<5
B0026062	1119	6	1.58	<2	7	163	<8	0.09	<10	76	<10	438	<5
B0026063	1154	7	2.53	7	<2	403	<8	0.08	<10	59	<10	101	<5
B0026064	1178	11	2.22	4	<2	487	<8	0.09	<10	71	<10	73	<5
B0026065	1672	21	3.42	3	3	289	<8	0.12	<10	78	<10	37	<5
B0026066	1757	14	3.41	4	5	279	<8	0.14	<10	177	<10	50	<5
B0026067	489	32	1.13	7	2	944	<8	0.03	<10	240	<10	167	<5
B0026068	1873	13	2.83	5	4	369	<8	0.14	<10	79	<10	211	7
B0026069	1990	16	2.63	5	7	378	<8	0.15	<10	114	<10	75	8
B0026070	795	140	0.62	<2	4	334	<8	0.01	<10	393	<10	380	<5
B0026071	1034	577	0.60	<2	4	220	<8	<0.01	<10	618	<10	559	7

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910228

Project Name: Dunwell
Job Received Date: 17-Sep-2019
Job Report Date: 14-Oct-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0026072	1095	550	0.69	<2	4	231	<8	<0.01	<10	620	<10	529	7
B0026073	946	4065	6.56	4	6	147	<8	<0.01	<10	202	<10	>10000	<5
B0026074	973	898	1.28	<2	6	151	<8	<0.01	<10	233	<10	2017	5
B0026075	62	<2	<0.01	<2	<2	90	<8	<0.01	<10	1	<10	8	<5
B0026076	945	318	0.88	<2	8	130	<8	<0.01	<10	74	<10	570	<5
B0026077	912	1034	2.10	4	5	86	<8	<0.01	<10	47	<10	1599	<5
B0026078	983	232	0.65	<2	5	101	<8	0.02	<10	80	<10	529	<5
B0026079	1425	354	0.41	<2	16	103	<8	0.02	<10	148	<10	731	<5
B0026080	365	217	0.12	8	4	90	<8	0.09	<10	67	<10	134	6
B0026081	1152	266	0.44	2	11	124	<8	<0.01	<10	130	<10	524	<5
B0026082	383	124	0.84	<2	2	70	<8	<0.01	<10	32	<10	149	<5
B0026083	892	37	0.91	<2	5	118	<8	0.08	<10	65	<10	114	<5
B0026084	1182	19	1.19	2	3	110	<8	0.11	<10	58	<10	36	<5
B0026085	1278	46	1.37	<2	5	278	<8	0.11	<10	96	<10	94	<5
B0026086	998	11	0.77	<2	6	158	<8	0.13	<10	88	<10	63	<5
B0026087	1311	10	1.21	<2	9	144	<8	0.16	<10	139	<10	87	<5
B0026087PD	1360	11	1.32	3	10	163	<8	0.18	<10	145	<10	94	<5
B0026088	1025	54	0.99	<2	4	203	<8	0.10	<10	53	<10	88	<5
B0026089	1606	29	1.21	<2	9	238	<8	0.14	<10	101	<10	85	<5
B0026090	1946	31	1.77	3	7	284	<8	0.13	<10	78	<10	77	<5
B0026091	1328	66	2.27	<2	2	338	<8	0.09	<10	37	<10	136	<5
B0026092	1367	81	2.39	<2	3	348	<8	0.10	<10	42	<10	171	<5
B0026093	933	20	1.48	3	8	124	<8	0.16	<10	103	<10	86	<5
B0026094	1156	445	1.61	3	9	135	<8	0.11	<10	94	<10	816	<5
B0026095	83	<2	<0.01	2	<2	97	<8	<0.01	<10	1	<10	<1	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910228

Project Name: Dunwell
Job Received Date: 17-Sep-2019
Job Report Date: 14-Oct-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	V	W	Zn	Zr
	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample ID	10	2	0.01	2	2	1	8	0.01	10	1	10	1	5
B0026096	825	16	1.41	5	10	142	<8	0.17	<10	105	<10	66	<5
B0026096PD	807	8	1.37	4	10	141	<8	0.17	<10	104	<10	61	<5
DUP B0026026	2213	23	2.10	4	11	178	<8	0.24	<10	143	<10	81	7
DUP B0026062	1123	7	1.58	2	7	163	<8	0.09	<10	77	<10	445	<5
DUP B0026008													
DUP B0026095													
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK													
STD BLANK													
STD OREAS 24b	621	12	0.20	5	11	29	14	0.21	<10	79	<10	95	28
STD OREAS 601	364	283	1.04	24	<2	36	<8	0.01	<10	10	<10	1302	27
STD OxG124													
STD OxD127													

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910228A**

Project Name:	Dunwell
Job Received Date:	17-Sep-2019
Job Report Date:	25-Jan-2020
Number of Samples:	2
Report Version:	Final

COMMENTS:

Samples originally from YXT1910228

Test results reported relate to the tested samples only on an "as received" basis. Unless otherwise stated above, sufficient sample was received for the methods requested and all samples were received in acceptable condition. Analytical results in unsigned reports marked "provisional" are subject to change, pending final QC review and approval. The customer has not provided any information than can affect the validity of the test results. Please refer to MSALABS' Schedule of Services and Fees for our complete Terms and Conditions. Preliminary results are applicable when a portion of samples in a job is 100% completed and reported or 1 of a number of methods on the same job have been completed 100%. Results cannot change, but additional results or results for additional methods can be added.

SAMPLE PREPARATION	
METHOD CODE	DESCRIPTION
PLG-100	Log Sample - No preparation required

ANALYTICAL METHODS	
METHOD CODE	DESCRIPTION
ICF-6Zn	Zn, 0.2g, 4-Acid, ICP-AES, Ore Grade

Signature:

Yvette Hsi, BSc.
Laboratory Manager
MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910228A

Project Name: Dunwell
Job Received Date: 17-Sep-2019
Job Report Date: 25-Jan-2020
Report Version: Final

Sample ID	Sample Type	Method / Analyte / Units / LOR	ICF-6Zn / Zn / % / 0.01
B0026009	Pulp		1.50
B0026073	Pulp		2.40
DUP B0026009			1.51
STD BLANK			<0.01
STD MP-1b			16.71

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To:
American Creek Resources LTD
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910261**

Project Name:	Dunwell
Job Received Date:	21-Oct-2019
Job Report Date:	28-Nov-2019
Number of Samples:	56
Report Version:	Final

COMMENTS:
NR indicates sample not received.

Test results reported relate to the tested samples only on an "as received" basis. Unless otherwise stated above, sufficient sample was received for the methods requested and all samples were received in acceptable condition. Analytical results in unsigned reports marked "provisional" are subject to change, pending final QC review and approval. The customer has not provided any information than can affect the validity of the test results. Please refer to MSALABS' Schedule of Services and Fees for our complete Terms and Conditions. Preliminary results are applicable when a portion of samples in a job is 100% completed and reported or 1 of a number of methods on the same job have been completed 100%. Results cannot change, but additional results or results for additional methods can be added.

SAMPLE PREPARATION	
METHOD CODE	DESCRIPTION
PRP-910	Dry, Crush to 70% passing 2mm, Split 250g, Pulverize to 85% passing 75µm
	Sample preparation performed by MS Analytical Terrace

ANALYTICAL METHODS	
METHOD CODE	DESCRIPTION
FAS-111	Au, Fire Assay, 30g fusion, AAS, Trace Level
ICF-6Pb	Pb, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICF-6Zn	Zn, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICP-130	Multi-Element, 0.5g, 3:1 Aqua Regia, ICP-AES, Trace Level

Signature:

Yvette Hsi, BSc.
Laboratory Manager
MSALABS

MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910261**

Project Name: Dunwell
Job Received Date: 21-Oct-2019
Job Report Date: 28-Nov-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICF-6Pb Pb % 0.01	ICF-6Zn Zn % 0.01	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01
Granite Blank	QC-P-BK	--		<0.005			0.2	1.19	<2	<10	89	<0.5	<2	0.74
Granite Blank	QC-P-BK	--		<0.005			<0.2	1.16	<2	11	88	<0.5	<2	0.73
B0027073	Core	0.84		9.828	2.77	3.28	65.8	1.59	200	<10	49	<0.5	<2	2.60
B0027074	Core	1.20		0.294			8.0	2.35	155	<10	66	<0.5	<2	2.59
B0027075	Core	1.14		<0.005			0.4	0.02	<2	<10	11	<0.5	<2	>25
B0027076	Core	1.82		0.190			9.2	0.33	217	<10	14	<0.5	<2	3.33
B0027077	Core	1.72		0.140			2.0	0.94	198	<10	61	<0.5	<2	1.25
B0027078	Core	2.96		0.142			2.6	0.98	148	<10	67	<0.5	<2	2.88
B0027079	Core	1.74		0.292			2.3	1.27	191	<10	71	<0.5	<2	2.77
B0027080	Pulp	0.08		3.167			12.2	1.47	4448	16	140	<0.5	<2	2.78
B0027081	Core	1.96		0.306			4.2	1.96	743	<10	43	<0.5	3	2.30
B0027082	Core	1.84		0.163			1.9	2.63	654	<10	36	0.5	5	0.92
B0027083	Core	1.82		0.121			1.3	3.41	412	<10	46	<0.5	2	1.88
B0027084	Core	1.48		0.036			0.9	2.59	143	<10	35	<0.5	<2	1.87
B0027085	Core	1.80		0.065			5.1	1.14	427	<10	39	0.6	2	4.18
B0027086	Core	2.08		<0.005			1.1	1.39	26	<10	120	0.6	<2	1.93
B0027087	Core	2.32		<0.005			1.7	1.84	41	<10	52	0.6	<2	4.29
B0027088	Core	1.66		1.965		2.19	36.5	2.75	206	<10	61	<0.5	2	5.26
B0027089	Core	1.26		<0.005			1.3	2.56	14	<10	20	0.7	<2	13.21
B0027090	Core	1.98		<0.005			0.7	1.80	9	<10	139	<0.5	<2	6.96
B0027091	Core	0.98		<0.005			0.5	2.15	7	<10	104	<0.5	<2	3.78
B0027092	Core	0.92		<0.005			0.8	2.09	8	<10	96	<0.5	4	4.64
B0027093	Core	2.24		<0.005			1.9	1.39	78	<10	62	0.6	<2	8.45
B0027094	Core	3.82		<0.005			0.7	2.11	6	<10	81	<0.5	<2	3.92
B0027095	Core	1.26		<0.005			0.8	0.03	<2	<10	42	<0.5	<2	>25

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910261

Project Name: Dunwell
Job Received Date: 21-Oct-2019
Job Report Date: 28-Nov-2019
Report Version: Final

	Sample Type	PWE-100 Rec. Wt.	Method Analyte	FAS-111 Au	ICF-6Pb Pb	ICF-6Zn Zn	ICP-130 Ag	ICP-130 Al	ICP-130 As	ICP-130 B	ICP-130 Ba	ICP-130 Be	ICP-130 Bi	ICP-130 Ca
		kg	Units	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Sample ID		0.01	LOR	0.005	0.01	0.01	0.2	0.01	2	10	10	0.5	2	0.01
B0027096	Core	1.84		0.008			2.0	2.07	43	<10	51	<0.5	3	4.80
B0027097	Core	2.10		0.661			16.8	0.36	716	<10	21	<0.5	<2	4.36
B0027098	Core	1.90		0.073			1.1	2.36	98	<10	69	0.6	<2	4.05
B0027098PD	QC-PD	--		0.059			1.0	2.23	91	<10	63	0.5	4	3.82
B0027099	Core	2.12		0.139			13.2	2.49	188	<10	24	<0.5	<2	5.76
B0027100	Pulp	0.08		3.984			19.4	3.15	11	<10	93	<0.5	<2	2.07
B0027101	Core	2.58		0.005			1.6	3.47	23	<10	22	<0.5	<2	4.74
B0027102	Core	2.34		<0.005			2.4	3.62	37	<10	20	<0.5	3	3.85
B0027103	Core	1.94		0.096			1.8	2.06	177	<10	20	<0.5	2	0.58
B0027104	Core	2.98		0.010			5.4	2.47	64	<10	34	<0.5	<2	3.66
B0027105	Core	2.30		0.155			8.4	2.05	172	<10	47	<0.5	<2	1.87
B0027106	Core	1.18		2.305		2.67	26.7	3.66	181	<10	63	0.5	3	2.53
B0027107	Core	1.24		0.026			3.6	2.49	86	13	28	0.6	<2	5.92
B0027108	Core	1.44		3.114			25.6	0.32	1113	<10	17	<0.5	3	2.48
B0027109	Core	1.96		0.127			1.2	2.90	212	<10	65	0.5	<2	1.87
B0027110	Core	2.28		0.071			7.5	2.64	128	12	34	<0.5	3	2.08
B0027111	Core	3.92		0.013			2.2	3.26	72	10	31	0.6	<2	5.60
B0027112	Core	--		0.011			2.2	3.16	72	<10	28	0.6	3	5.38
B0027113	Core	2.04		0.122			7.1	3.69	277	<10	20	<0.5	3	3.23
B0027114	Core	2.32		0.221			4.1	2.13	336	<10	40	<0.5	<2	0.36
B0027115	Core	1.14		<0.005			0.4	0.04	<2	10	<10	<0.5	<2	>25
B0027116	Core	1.58		0.077			1.5	0.85	132	<10	40	<0.5	<2	0.29
B0027117	Core	1.70		0.034			0.9	1.17	49	<10	21	<0.5	<2	2.05
B0027118	Core	1.36		0.409			1.8	1.22	478	<10	29	<0.5	<2	3.35
B0027119	Core	1.68		0.027			3.8	2.01	59	12	44	<0.5	2	2.18

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910261

Project Name: Dunwell
Job Received Date: 21-Oct-2019
Job Report Date: 28-Nov-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICF-6Pb Pb % 0.01	ICF-6Zn Zn % 0.01	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01
B0027120	Pulp	0.10		3.181			12.1	1.40	4318	11	126	<0.5	3	2.49
B0027121	Core	1.54		3.959		3.71	41.0	1.10	139	<10	23	<0.5	5	0.92
B0027122	Core	1.22		0.008			2.1	2.01	68	<10	77	<0.5	<2	3.13
B0027123	Core	1.34		0.109			6.3	1.91	248	<10	66	0.8	<2	2.89
B0027124	Core	1.68		0.904			29.7	0.25	318	<10	11	<0.5	<2	2.43
B0027124PD	QC-PD	--		0.836			31.0	0.24	316	<10	11	<0.5	<2	2.45
B0027125	Core	2.48		1.551			6.7	0.76	5595	<10	52	<0.5	<2	1.97
B0027126	Core	1.36		0.731			17.6	1.59	1090	<10	34	0.6	<2	4.88
B0027127	Core	NR		NR			NR	NR	NR	NR	NR	NR	NR	NR
B0027128	Core	NR		NR			NR	NR	NR	NR	NR	NR	NR	NR
DUP B0027105							8.0	2.14	179	<10	49	0.5	<2	1.89
DUP B0027114				0.240										
STD BLANK							<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01
STD BLANK				<0.005										
STD BLANK					<0.01	<0.01								
STD OREAS 601							49.4	0.84	322	<10	215	0.6	19	1.07
STD OxG124				0.913										
STD MP-1b					2.09	16.70								

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910261

Project Name: Dunwell
Job Received Date: 21-Oct-2019
Job Report Date: 28-Nov-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	0.5	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
Granite Blank	0.6	4	162	7	2.13	<10	<1	0.16	<10	0.58	569	1	0.16	5
Granite Blank	<0.5	4	136	11	2.09	<10	1	0.16	<10	0.58	561	<1	0.16	4
B0027073	283.8	16	98	702	4.30	<10	<1	0.45	<10	0.79	1439	7	0.01	35
B0027074	49.6	13	70	138	5.11	13	<1	0.51	<10	1.31	1771	1	0.02	25
B0027075	<0.5	<1	7	2	0.05	<10	<1	<0.01	<10	0.38	74	<1	0.01	<1
B0027076	1.4	3	254	15	1.63	<10	<1	0.13	<10	0.15	2199	36	<0.01	30
B0027077	0.5	8	104	3	1.99	<10	<1	0.66	<10	0.12	2174	4	0.01	16
B0027078	<0.5	7	113	9	1.77	<10	<1	0.68	<10	0.21	6118	1	0.02	11
B0027079	1.6	10	61	10	2.59	<10	<1	0.75	<10	0.47	8146	2	0.02	15
B0027080	7.2	13	27	80	8.95	15	<1	0.23	<10	0.93	452	4	0.03	32
B0027081	2.8	21	66	19	8.24	11	<1	0.61	<10	0.75	3616	2	0.01	49
B0027082	3.3	25	44	14	10.55	18	<1	0.73	<10	1.09	1824	1	0.01	34
B0027083	3.4	12	64	9	9.66	21	<1	0.67	<10	1.76	3140	4	0.01	22
B0027084	<0.5	12	83	5	5.78	14	<1	0.57	<10	1.28	2677	4	0.01	23
B0027085	9.3	19	189	62	5.83	<10	<1	0.42	<10	0.49	2508	110	0.01	162
B0027086	2.6	7	61	61	2.87	<10	<1	0.28	<10	0.93	991	2	0.13	16
B0027087	3.0	8	42	58	3.28	10	<1	0.46	<10	1.21	1105	7	0.05	36
B0027088	195.6	23	105	662	6.44	15	<1	0.41	<10	1.88	4206	3	0.04	45
B0027089	3.3	8	64	45	2.90	12	<1	0.03	<10	1.55	616	53	0.20	135
B0027090	1.1	10	31	29	4.03	12	<1	0.24	<10	1.21	891	3	0.13	12
B0027091	0.7	10	28	22	4.51	14	<1	0.32	<10	1.72	781	<1	0.09	7
B0027092	<0.5	11	29	31	4.73	12	<1	0.31	<10	1.67	841	<1	0.08	12
B0027093	9.1	11	106	72	3.19	<10	<1	0.33	<10	1.10	877	129	0.01	234
B0027094	<0.5	10	28	32	4.80	14	<1	0.33	<10	1.64	829	1	0.11	11
B0027095	<0.5	<1	7	4	0.10	<10	<1	<0.01	<10	0.56	87	<1	0.01	<1

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910261

Project Name: Dunwell
Job Received Date: 21-Oct-2019
Job Report Date: 28-Nov-2019
Report Version: Final

Sample ID	ICP-130 Cd ppm 0.5	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
B0027096	4.8	13	26	66	4.73	14	<1	0.34	<10	1.58	1576	4	0.07	25
B0027097	23.0	8	222	50	4.43	<10	<1	0.22	<10	0.10	2593	77	0.01	72
B0027098	1.3	13	44	7	4.56	12	<1	0.60	<10	1.26	4239	2	0.02	15
B0027098PD	1.0	12	44	5	4.40	11	<1	0.56	<10	1.21	4020	1	0.02	15
B0027099	52.4	17	141	215	6.17	16	<1	0.24	<10	1.75	5127	90	0.01	106
B0027100	1.0	17	144	325	3.15	11	<1	0.18	<10	1.67	457	7	0.34	171
B0027101	3.6	9	72	19	5.99	14	<1	0.30	<10	2.54	5926	3	0.01	57
B0027102	5.7	15	160	16	6.57	15	<1	0.28	<10	2.57	4703	<1	0.01	81
B0027103	14.0	8	180	19	5.00	12	<1	0.24	<10	1.17	1710	12	<0.01	40
B0027104	15.8	8	94	89	4.50	11	<1	0.44	<10	1.45	5480	3	0.01	47
B0027105	23.3	8	93	132	3.91	10	<1	0.57	<10	0.91	3405	3	0.01	32
B0027106	203.0	29	175	712	6.84	16	<1	0.40	<10	2.57	1689	<1	0.09	56
B0027107	3.4	12	185	60	5.02	12	<1	0.21	<10	2.61	2146	43	0.02	102
B0027108	67.8	19	270	90	7.53	<10	<1	0.21	<10	0.04	973	36	0.01	60
B0027109	6.9	13	54	6	6.63	13	<1	0.67	<10	1.23	4295	2	0.02	19
B0027110	20.7	12	164	130	5.29	11	<1	0.36	<10	1.57	4613	79	0.01	82
B0027111	17.0	18	225	36	6.08	12	<1	0.34	<10	2.66	7192	2	0.02	95
B0027112	17.2	19	230	38	6.04	13	<1	0.31	<10	2.62	7138	2	0.02	97
B0027113	40.0	28	287	109	8.04	16	<1	0.26	<10	2.22	6372	<1	0.01	167
B0027114	27.0	9	166	42	5.37	12	<1	0.49	<10	0.94	1452	4	0.01	53
B0027115	<0.5	<1	13	3	0.07	<10	<1	0.01	<10	0.62	78	<1	0.02	<1
B0027116	1.6	4	220	16	1.55	<10	<1	0.44	<10	0.16	305	4	0.01	15
B0027117	1.5	2	221	15	2.18	<10	<1	0.27	<10	0.54	1888	2	0.01	15
B0027118	2.9	8	191	10	3.98	<10	<1	0.48	<10	0.37	2129	2	0.01	22
B0027119	23.4	20	113	157	4.49	<10	<1	0.21	<10	1.08	1304	3	0.13	52

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910261

Project Name: Dunwell
Job Received Date: 21-Oct-2019
Job Report Date: 28-Nov-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	0.5	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
B0027120	6.5	12	25	77	8.33	12	<1	0.22	<10	0.83	396	5	0.03	29
B0027121	326.3	14	187	703	3.34	<10	<1	0.23	<10	0.51	1045	<1	0.01	34
B0027122	4.1	13	95	102	3.72	<10	<1	0.40	<10	1.31	1178	3	0.02	104
B0027123	2.7	12	68	22	4.41	<10	<1	0.71	<10	0.98	2427	1	0.08	30
B0027124	12.3	3	287	17	2.30	<10	<1	0.15	<10	0.04	1734	14	0.01	28
B0027124PD	12.9	3	278	17	2.25	<10	<1	0.14	<10	0.04	1752	14	0.01	28
B0027125	5.8	8	178	12	4.13	<10	<1	0.50	<10	0.08	1871	3	0.01	27
B0027126	20.0	13	220	157	3.93	<10	<1	0.37	<10	0.92	5036	79	0.01	150
B0027127	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
B0027128	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
DUP B0027105	23.6	8	93	135	3.96	<10	<1	0.60	<10	0.91	3418	3	0.01	31
DUP B0027114														
STD BLANK	<0.5	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD BLANK														
STD BLANK														
STD OREAS 601	7.7	5	42	1040	2.20	<10	<1	0.26	12	0.18	425	3	0.08	24
STD OxG124														
STD MP-1b														

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910261

Project Name: Dunwell
Job Received Date: 21-Oct-2019
Job Report Date: 28-Nov-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
Granite Blank	432	18	<0.01	<2	4	29	<8	0.10	<10	31	<10	71	6
Granite Blank	455	7	<0.01	3	3	29	<8	0.11	<10	31	<10	34	6
B0027073	737	>10000	4.64	17	4	55	<8	0.07	<10	64	<10	>10000	<5
B0027074	1435	2592	2.72	<2	7	44	<8	0.04	<10	101	<10	5621	<5
B0027075	94	2	<0.01	<2	<2	95	<8	<0.01	<10	<1	<10	4	<5
B0027076	202	225	1.22	<2	<2	107	<8	0.01	<10	73	<10	124	<5
B0027077	1929	29	1.92	<2	<2	48	<8	<0.01	<10	23	<10	24	<5
B0027078	1841	27	1.37	<2	<2	103	<8	<0.01	<10	18	<10	62	<5
B0027079	2419	58	1.76	3	<2	85	<8	<0.01	<10	22	<10	103	<5
B0027080	575	403	1.22	9	<2	177	<8	0.02	<10	24	21	800	15
B0027081	1616	147	6.69	<2	7	118	<8	<0.01	<10	90	<10	87	<5
B0027082	3055	176	8.12	8	6	21	<8	<0.01	<10	91	<10	119	<5
B0027083	2775	157	5.43	3	8	66	<8	<0.01	<10	136	<10	166	<5
B0027084	2434	23	2.27	4	7	51	<8	<0.01	<10	118	<10	89	<5
B0027085	835	459	5.32	6	3	101	<8	0.03	<10	437	<10	865	<5
B0027086	1074	70	1.22	<2	3	78	<8	0.03	<10	70	<10	173	<5
B0027087	1500	129	1.43	<2	4	115	<8	<0.01	<10	138	<10	193	<5
B0027088	1536	4667	4.08	9	12	174	<8	0.04	<10	152	<10	>10000	<5
B0027089	866	30	1.95	9	3	674	<8	0.08	<10	222	<10	213	<5
B0027090	1819	18	2.45	<2	5	293	<8	0.08	<10	89	<10	65	<5
B0027091	2063	15	2.26	7	8	150	<8	0.05	<10	111	<10	65	<5
B0027092	1928	11	2.58	<2	8	183	<8	0.04	<10	103	<10	49	<5
B0027093	1257	79	2.29	2	4	267	<8	<0.01	<10	643	<10	634	<5
B0027094	1933	11	2.14	2	9	160	<8	0.08	<10	112	<10	39	<5
B0027095	85	<2	0.03	<2	<2	99	<8	<0.01	<10	1	<10	2	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910261

Project Name: Dunwell
Job Received Date: 21-Oct-2019
Job Report Date: 28-Nov-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0027096	1798	62	2.51	2	7	160	<8	0.03	<10	114	<10	390	<5
B0027097	406	1277	5.24	3	<2	171	<8	<0.01	<10	99	<10	2324	<5
B0027098	2487	64	1.59	<2	2	148	<8	<0.01	<10	38	<10	140	<5
B0027098PD	2445	78	1.49	2	2	140	<8	<0.01	11	36	<10	125	<5
B0027099	888	3015	2.44	5	7	160	<8	<0.01	<10	331	<10	4994	<5
B0027100	338	215	0.12	4	3	83	<8	0.09	<10	64	<10	131	5
B0027101	954	241	0.15	4	7	169	<8	<0.01	<10	120	<10	373	<5
B0027102	1095	354	0.28	5	11	105	<8	<0.01	<10	127	<10	595	<5
B0027103	1006	457	1.55	<2	6	19	<8	<0.01	<10	114	<10	1390	<5
B0027104	905	869	0.49	<2	6	89	<8	<0.01	<10	122	<10	1480	<5
B0027105	900	872	1.46	<2	4	47	<8	<0.01	<10	73	<10	2398	<5
B0027106	1824	5212	3.01	4	16	63	<8	0.10	<10	172	<10	>10000	<5
B0027107	1241	311	2.52	4	8	230	<8	<0.01	<10	677	<10	299	<5
B0027108	195	675	8.60	6	<2	89	<8	<0.01	<10	68	<10	6943	<5
B0027109	2695	111	2.63	<2	2	63	<8	0.01	<10	45	<10	662	8
B0027110	1041	1372	0.85	3	6	59	<8	<0.01	<10	224	<10	1875	<5
B0027111	1533	385	0.28	<2	16	149	<8	0.03	<10	178	<10	1461	<5
B0027112	1513	353	0.28	<2	16	144	<8	0.02	<10	173	<10	1468	<5
B0027113	1364	1434	1.38	3	10	100	<8	<0.01	<10	169	<10	4182	<5
B0027114	891	343	2.82	5	4	10	<8	<0.01	<10	89	<10	2759	<5
B0027115	53	<2	<0.01	3	<2	82	<8	<0.01	<10	1	<10	3	<5
B0027116	694	57	1.02	<2	<2	8	<8	<0.01	<10	37	<10	150	<5
B0027117	399	70	0.50	<2	2	62	<8	<0.01	<10	95	<10	163	<5
B0027118	616	110	3.15	<2	2	110	<8	<0.01	<10	50	<10	206	<5
B0027119	1612	699	1.93	<2	7	87	<8	0.13	<10	101	<10	2231	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910261

Project Name: Dunwell
Job Received Date: 21-Oct-2019
Job Report Date: 28-Nov-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0027120	556	369	1.15	4	<2	156	<8	0.02	<10	22	17	731	14
B0027121	475	9486	3.62	8	2	15	<8	0.01	<10	43	<10	>10000	<5
B0027122	881	147	1.40	3	5	52	<8	0.04	<10	102	<10	425	<5
B0027123	1812	101	3.66	<2	4	124	<8	0.02	<10	57	<10	141	<5
B0027124	228	1187	2.36	3	<2	65	<8	0.01	<10	53	<10	1195	<5
B0027124PD	236	1181	2.30	3	<2	65	<8	0.01	<10	52	<10	1230	<5
B0027125	1341	213	4.09	6	<2	45	<8	<0.01	<10	20	<10	495	<5
B0027126	1066	969	2.11	3	6	118	<8	0.03	<10	279	<10	1845	<5
B0027127	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
B0027128	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
DUP B0027105	893	884	1.49	<2	4	48	<8	<0.01	<10	76	<10	2395	<5
DUP B0027114													
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK													
STD BLANK													
STD OREAS 601	360	281	1.06	24	<2	36	<8	0.01	<10	9	<10	1258	24
STD OxG124													
STD MP-1b													

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910233**

Project Name:	Dunwell
Job Received Date:	24-Sep-2019
Job Report Date:	01-Oct-2019
Number of Samples:	20
Report Version:	Final

SAMPLE PREPARATION	
METHOD CODE	DESCRIPTION
PRP-910	Dry, Crush to 70% passing 2mm, Split 250g, Pulverize to 85% passing 75µm
	Sample preparation performed by MS Analytical Terrace

ANALYTICAL METHODS	
METHOD CODE	DESCRIPTION
FAS-111	Au, Fire Assay, 30g fusion, AAS, Trace Level
ICP-130	Multi-Element, 0.5g, 3:1 Aqua Regia, ICP-AES, Trace Level

COMMENTS:

Coarse gold may be present in some samples.

Test results reported relate to the tested samples only on an "as received" basis. Unless otherwise stated above, sufficient sample was received for the methods requested and all samples were received in acceptable condition. Analytical results in unsigned reports marked "provisional" are subject to change, pending final QC review and approval. The customer has not provided any information than can affect the validity of the test results. Please refer to MSALABS' Schedule of Services and Fees for our complete Terms and Conditions. Preliminary results are applicable when a portion of samples in a job is 100% completed and reported or 1 of a number of methods on the same job have been completed 100%. Results cannot change, but additional results or results for additional methods can be added.

Signature:

Yvette Hsi, BSc.
Laboratory Manager
MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910233

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 01-Oct-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
Granite Blank	QC-P-BK	--		<0.005	<0.2	1.04	<2	18	82	<0.5	<2	0.65	<0.5
Granite Blank	QC-P-BK	--		<0.005	<0.2	1.02	<2	14	81	<0.5	<2	0.63	<0.5
27053	Core	0.76		0.012	1.0	4.19	26	<10	84	0.9	<2	2.68	<0.5
27054	Core	0.80		0.114	10.5	2.11	32	<10	63	<0.5	3	3.16	77.0
27055	Rock	1.06		<0.005	0.5	0.02	3	28	10	<0.5	<2	>25	<0.5
27056	Core	2.06		0.215	9.5	1.76	129	<10	56	0.6	<2	3.20	79.5
27057	Core	0.88		0.971	20.0	1.30	311	<10	35	<0.5	<2	1.76	166.7
27058	Core	1.68		0.161	9.4	2.36	147	<10	49	<0.5	3	1.62	52.9
27059	Core	1.34		>10	>100	0.59	779	<10	14	<0.5	9	0.38	942.8
27060	Pulp	0.08		3.954	19.7	3.11	11	<10	96	<0.5	<2	2.02	0.7
27061	Core	2.52		0.565	32.6	1.64	266	12	35	<0.5	<2	1.48	182.8
27062	Core	2.36		0.063	9.4	1.92	127	<10	53	0.5	<2	4.21	38.3
27063	Core	1.36		0.193	16.3	2.07	434	<10	69	0.5	3	3.59	84.0
27064	Core	2.52		0.033	2.4	2.81	198	22	81	0.6	<2	3.59	3.6
27065	Core	2.76		0.013	0.8	5.37	50	33	577	1.0	<2	3.93	0.5
27065PD	QC-PD	--		0.013	0.8	5.38	43	47	555	1.0	<2	3.97	0.5
27066	Core	1.42		0.828	32.6	0.33	2318	<10	17	<0.5	<2	7.04	8.8
27067	Core	1.32		0.704	11.4	0.77	1160	<10	48	<0.5	<2	1.47	2.1
27068	Core	1.32		0.006	2.4	1.96	47	<10	86	0.5	<2	6.41	1.5
27069	Core	1.68		5.326	76.8	1.08	98	16	17	<0.5	9	0.62	1566.3
27070	Core	2.26		>10	>100	1.19	65	19	18	<0.5	29	0.34	1685.0
27071	Core	1.24		0.101	2.5	1.70	68	16	72	0.5	<2	4.10	7.4
27072	Core	--		0.061	3.3	1.66	62	18	69	0.5	<2	4.12	6.9

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910233

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 01-Oct-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
DUP 27059					>100	0.59	786	<10	16	<0.5	12	0.38	948.8
DUP 27058				0.165									
STD BLANK					<0.2	<0.01	<2	11	<10	<0.5	<2	<0.01	<0.5
STD BLANK				<0.005									
STD OREAS 24b					<0.2	3.04	5	<10	141	1.5	<2	0.44	<0.5
STD OxG124				0.877									

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910233

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 01-Oct-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni
	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Sample ID	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1
Granite Blank	4	125	6	2.00	<10	<1	0.13	<10	0.56	549	1	0.13	3
Granite Blank	4	119	6	1.91	<10	<1	0.13	<10	0.53	526	1	0.13	3
27053	15	144	93	3.38	14	<1	0.49	<10	0.91	389	6	0.60	55
27054	13	91	312	4.02	<10	<1	0.43	<10	1.23	1462	5	0.02	40
27055	<1	7	3	0.06	<10	<1	<0.01	<10	0.53	81	<1	<0.01	<1
27056	15	95	144	4.26	<10	<1	0.40	<10	1.13	2016	9	<0.01	48
27057	18	131	439	4.42	<10	<1	0.41	<10	0.55	1355	17	<0.01	44
27058	14	57	148	5.58	12	<1	0.44	<10	1.25	1978	5	<0.01	13
27059	19	116	4382	10.29	<10	<1	0.17	<10	0.25	660	2	<0.01	33
27060	18	150	331	3.21	<10	<1	0.18	<10	1.65	465	6	0.34	171
27061	14	103	577	4.86	<10	<1	0.44	<10	0.78	1601	4	<0.01	43
27062	14	77	150	3.84	<10	<1	0.38	<10	1.25	3019	4	<0.01	47
27063	11	113	239	4.23	<10	<1	0.34	<10	1.18	2062	4	0.09	41
27064	14	111	95	4.27	11	<1	0.49	<10	1.52	1491	4	0.16	47
27065	25	111	101	4.07	14	<1	0.88	<10	1.63	439	<1	0.52	40
27065PD	25	114	96	4.05	13	<1	0.89	<10	1.64	439	1	0.52	41
27066	7	139	57	5.54	<10	<1	0.21	<10	0.08	6459	27	<0.01	69
27067	10	68	13	3.72	<10	<1	0.52	<10	0.16	2069	2	<0.01	16
27068	13	50	57	3.31	<10	<1	0.36	<10	1.44	2270	3	<0.01	41
27069	40	99	3549	8.45	10	<1	0.12	<10	0.61	1492	<1	<0.01	32
27070	32	47	3627	16.74	18	<1	0.20	<10	0.52	1259	<1	<0.01	38
27071	10	98	116	2.93	<10	<1	0.29	<10	1.13	1186	6	0.05	66
27072	9	100	112	2.86	<10	<1	0.28	<10	1.13	1192	6	0.04	66

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910233

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 01-Oct-2019
Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
DUP 27059	19	117	4470	10.37	11	<1	0.17	<10	0.25	665	2	<0.01	34
DUP 27058													
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD BLANK													
STD OREAS 24b	15	108	36	3.90	13	<1	1.15	12	1.33	337	3	0.09	56
STD OxG124													

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910233

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 01-Oct-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
Granite Blank	463	4	0.03	<2	3	27	<8	0.08	<10	26	<10	35	<5
Granite Blank	441	<2	0.02	<2	3	26	<8	0.08	<10	25	<10	32	<5
27053	1161	9	1.48	<2	6	172	<8	0.13	<10	104	<10	46	<5
27054	976	3965	1.62	4	5	67	<8	0.07	<10	75	<10	9416	<5
27055	63	<2	0.01	<2	<2	83	<8	<0.01	<10	<1	<10	18	<5
27056	939	1492	2.51	6	5	54	<8	0.07	<10	75	<10	7872	<5
27057	638	8697	4.01	6	2	49	<8	0.04	<10	55	<10	>10000	<5
27058	1008	4145	2.08	2	3	89	<8	0.03	<10	48	<10	5752	<5
27059	301	>10000	>10	126	<2	12	<8	0.01	<10	22	<10	>10000	<5
27060	356	232	0.12	4	3	80	<8	0.08	<10	61	<10	138	<5
27061	906	7484	3.95	6	3	29	<8	0.04	<10	49	<10	>10000	<5
27062	1017	2280	1.57	<2	5	95	<8	0.03	<10	78	<10	4067	<5
27063	929	4291	2.47	3	6	86	<8	0.04	<10	76	<10	8322	<5
27064	987	353	1.57	2	7	109	<8	0.10	<10	90	<10	412	<5
27065	1665	24	0.82	4	10	262	<8	0.17	<10	142	<10	77	<5
27065PD	1712	34	0.82	2	10	263	<8	0.17	<10	144	<10	82	<5
27066	477	990	6.18	7	<2	273	<8	<0.01	<10	69	<10	959	<5
27067	2406	1550	3.76	3	<2	50	<8	<0.01	<10	14	<10	267	<5
27068	1587	104	0.85	6	7	145	<8	0.04	<10	75	<10	183	<5
27069	303	8104	>10	2	<2	10	<8	0.03	<10	41	<10	>10000	<5
27070	262	7706	>10	4	<2	4	<8	0.02	11	34	<10	>10000	<5
27071	1061	412	1.44	3	4	81	<8	0.08	<10	64	<10	792	<5
27072	1045	370	1.37	4	4	80	<8	0.07	<10	63	<10	762	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910233

Project Name: Dunwell
Job Received Date: 24-Sep-2019
Job Report Date: 01-Oct-2019
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
DUP 27059	307	>10000	>10	125	<2	11	<8	0.01	<10	22	<10	>10000	<5
DUP 27058													
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK													
STD OREAS 24b	636	9	0.20	<2	10	27	13	0.19	<10	76	<10	93	22
STD OxG124													

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910233A**

Project Name:	Dunwell
Job Received Date:	03-Oct-2019
Job Report Date:	11-Oct-2019
Number of Samples:	5
Report Version:	Final

COMMENTS:

Samples originally from YXT1910233

Test results reported relate to the tested samples only on an “as received” basis. Unless otherwise stated above, sufficient sample was received for the methods requested and all samples were received in acceptable condition. Analytical results in unsigned reports marked "provisional" are subject to change, pending final QC review and approval. The customer has not provided any information than can affect the validity of the test results. Please refer to MSALABS' Schedule of Services and Fees for our complete Terms and Conditions. Preliminary results are applicable when a portion of samples in a job is 100% completed and reported or 1 of a number of methods on the same job have been completed 100%. Results cannot change, but additional results or results for additional methods can be added.

SAMPLE PREPARATION	
METHOD CODE	DESCRIPTION
PLG-100	Log Sample - No preparation required

ANALYTICAL METHODS	
METHOD CODE	DESCRIPTION
FAS-415	Au, Fire Assay, 30g fusion, Gravimetric
ICF-6Ag	Ag, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICF-6Pb	Pb, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICF-6Zn	Zn, 0.2g, 4-Acid, ICP-AES, Ore Grade

Signature:

Yvette Hsi, BSc.
Laboratory Manager
MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910233A

Project Name: Dunwell
Job Received Date: 03-Oct-2019
Job Report Date: 11-Oct-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-415 Au ppm 0.05	ICF-6Ag Ag ppm 1	ICF-6Pb Pb % 0.01	ICF-6Zn Zn % 0.01
27057	Core	0.88					1.89
27059	Core	1.34		13.87	258	15.53	11.04
27061	Core	2.52					2.09
27069	Core	1.68					20.77
27070	Core	2.26		10.47	93		19.73
DUP 27070				10.80			
STD BLANK					<1	<0.01	<0.01
STD BLANK				<0.05			
STD MP-1b					49	2.10	16.70
STD OxQ90				25.08			

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910264**

Project Name:	Dunwell
Job Received Date:	04-Nov-2019
Job Report Date:	19-Dec-2019
Number of Samples:	74
Report Version:	Final

SAMPLE PREPARATION	
METHOD CODE	DESCRIPTION
PRP-910	Dry, Crush to 70% passing 2mm, Split 250g, Pulverize to 85% passing 75µm
	Sample preparation performed by MS Analytical Terrace

ANALYTICAL METHODS	
METHOD CODE	DESCRIPTION
FAS-111	Au, Fire Assay, 30g fusion, AAS, Trace Level
FAS-415	Au, Fire Assay, 30g fusion, Gravimetric
ICF-6Ag	Ag, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICF-6Cu	Cu, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICF-6Pb	Pb, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICF-6Zn	Zn, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICP-130	Multi-Element, 0.5g, 3:1 Aqua Regia, ICP-AES, Trace Level

COMMENTS:

Coarse gold and silver may be present in some samples.

Test results reported relate to the tested samples only on an "as received" basis. Unless otherwise stated above, sufficient sample was received for the methods requested and all samples were received in acceptable condition. Analytical results in unsigned reports marked "provisional" are subject to change, pending final QC review and approval. The customer has not provided any information than can affect the validity of the test results. Please refer to MSALABS' Schedule of Services and Fees for our complete Terms and Conditions. Preliminary results are applicable when a portion of samples in a job is 100% completed and reported or 1 of a number of methods on the same job have been completed 100%. Results cannot change, but additional results or results for additional methods can be added.

Signature:

Ta Han
Spectroscopy/Data Approval Manager
MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910264**

Project Name:	Dunwell
Job Received Date:	04-Nov-2019
Job Report Date:	19-Dec-2019
Report Version:	Final

	Sample	PWE-100	Method	FAS-111	FAS-415	ICF-6Ag	ICF-6Cu	ICF-6Pb	ICF-6Zn	ICP-130	ICP-130	ICP-130
	Type	Rec. Wt.	Analyte	Au	Au	Ag	Cu	Pb	Zn	Ag	Al	As
		kg	Units	ppm	ppm	ppm	%	%	%	ppm	%	ppm
Sample ID		0.01	LOR	0.005	0.05	1	0.001	0.01	0.01	0.2	0.01	2
Granite Blank	QC-P-BK	--		<0.005						<0.2	0.97	<2
Granite Blank	QC-P-BK	--		<0.005						<0.2	0.98	<2
B0027127	Core	1.28		0.032						6.5	1.22	72
B0027128	Core	0.98		2.785					3.02	42.5	1.35	148
B0027129	Core	1.32		<0.005						3.4	1.98	66
B0027130	Core	2.42		3.535				1.48	2.86	43.2	0.92	363
B0027131	Core	0.64		0.056						3.9	1.59	54
B0027132	Core	0.60		0.051						5.2	1.75	82
B0027133	Core	1.32		<0.005						0.9	1.37	6
B0027134	Core	4.14		<0.005						2.1	2.24	18
B0027135	Rock	1.14		<0.005						0.6	0.01	<2
B0027136	Core	2.52		<0.005						1.6	2.06	19
B0027137	Core	1.72		0.014						5.2	1.99	66
B0027138	Core	3.26		<0.005						1.3	2.19	19
B0027139	Core	1.74		0.049						3.4	2.05	77
B0027140	Pulp	0.08		3.865						20.0	3.11	11
B0027141	Core	1.78		0.047						1.1	2.20	1054
B0027142	Core	1.70		0.037						3.9	2.85	90
B0027142PD	QC-PD	--		0.041						3.7	2.91	91
B0027143	Core	1.68		1.707						33.7	0.87	461
B0027144	Core	1.34		0.289						5.0	1.07	2049
B0027145	Core	1.34		0.025						2.8	1.80	252
B0027146	Core	0.84		0.222						6.9	1.65	12
B0027147	Core	1.28		0.013						3.9	1.85	44
B0027148	Core	2.28		5.601				1.70	7.85	66.0	1.55	81

***Please refer to the cover page for comments regarding this test report. ***

MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910264

Project Name: Dunwell
Job Received Date: 04-Nov-2019
Job Report Date: 19-Dec-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	FAS-415 Au ppm 0.05	ICF-6Ag Ag ppm 1	ICF-6Cu Cu % 0.001	ICF-6Pb Pb % 0.01	ICF-6Zn Zn % 0.01	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2
B0027149	Core	1.44		0.068						9.9	1.80	52
B0027150	Core	0.86		0.021						2.6	1.77	53
B0027151	Core	1.90		4.408						34.5	0.30	6842
B0027152	Core	--		4.379						38.7	0.26	6932
B0027153	Core	1.84		0.787						15.7	2.81	356
B0027154	Core	1.96		0.152						19.3	2.01	360
B0027155	Rock	0.92		<0.005						0.4	0.02	<2
B0027156	Core	1.10		0.006						1.3	1.37	104
B0027157	Core	3.10		0.072						7.8	2.01	79
B0027158	Core	1.10		0.019						3.1	2.33	51
B0027159	Core	1.52		4.026				1.07	6.22	66.0	1.40	632
B0027160	Pulp	0.08		3.004						12.9	1.37	4536
B0027161	Core	3.16		0.177						3.1	3.12	107
B0027162	Core	3.00		0.010						1.8	1.93	19
B0027163	Core	2.50		0.023						2.1	1.71	52
B0027164	Core	1.48		5.792				2.04	9.53	78.6	1.15	250
B0027164PD	QC-PD	--		6.291				1.71	9.19	75.2	1.19	235
B0027165	Core	0.84		0.086						4.3	3.88	211
B0027166	Core	2.26		>10	33.31	215		3.71	23.10	>100	0.69	913
B0027167	Core	1.76		8.541		217	1.137	6.74	16.68	>100	0.78	629
B0027168	Core	2.42		3.618		116		1.84	9.08	>100	0.80	1363
B0027169	Core	1.18		0.045						2.3	4.86	51
B0027170	Core	3.12		0.057						1.6	2.49	258
B0027171	Core	0.80		2.217					3.92	20.1	1.74	495
B0027172	Core	0.70		1.366					3.64	24.3	1.77	580

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910264

Project Name: Dunwell
Job Received Date: 04-Nov-2019
Job Report Date: 19-Dec-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	FAS-415 Au ppm 0.05	ICF-6Ag Ag ppm 1	ICF-6Cu Cu % 0.001	ICF-6Pb Pb % 0.01	ICF-6Zn Zn % 0.01	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2
B0027173	Core	2.16		3.273		88		2.83	5.63	>100	1.66	229
B0027174	Core	2.28		1.562					2.66	30.4	0.97	213
B0027175	Rock	1.14		<0.005						0.8	0.01	<2
B0027176	Core	1.90		<0.005						0.4	2.07	8
B0027177	Core	2.12		<0.005						0.5	2.31	4
B0027178	Core	2.28		<0.005						0.2	1.99	3
B0027179	Core	2.10		0.023						0.4	2.49	13
B0027180	Pulp	0.08		3.885						20.1	3.34	10
B0027181	Core	1.98		<0.005						1.0	1.96	72
B0027182	Core	2.50		0.761						15.9	0.29	794
B0027183	Core	1.94		1.086					1.11	32.4	0.36	1767
B0027184	Core	2.22		2.146				2.11	10.90	83.2	1.81	869
B0027185	Core	1.30		0.283						16.7	1.14	641
B0027186	Core	1.46		0.072						9.4	1.29	396
B0027187	Core	1.72		0.018						3.7	3.11	173
B0027188	Core	1.32		0.640					1.41	15.7	2.23	800
B0027189	Core	1.50		0.471						1.9	3.88	67
B0027190	Core	1.30		0.321						7.3	1.95	19
B0027191	Core	1.76		8.110		113		4.63	8.27	>100	1.29	652
B0027192	Core	2.26		0.060					1.57	19.7	1.96	129
B0027193	Core	--		0.106					1.65	16.4	1.86	124
B0027194	Core	1.16		0.007						1.2	1.73	157
B0027195	Rock	1.08		<0.005						0.6	0.02	<2
B0027196	Core	1.40		0.037						1.7	2.62	1034
B0027197	Core	1.10		1.044						12.5	1.89	70

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910264

Project Name: Dunwell
Job Received Date: 04-Nov-2019
Job Report Date: 19-Dec-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	FAS-415 Au ppm 0.05	ICF-6Ag Ag ppm 1	ICF-6Cu Cu % 0.001	ICF-6Pb Pb % 0.01	ICF-6Zn Zn % 0.01	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2
B0027197PD	QC-PD	--		1.080						13.1	1.80	58
B0027198	Core	0.74		>10	13.09	202		2.38	2.97	>100	0.54	1895
B0027199	Core	1.42		0.012						1.9	3.68	21
B0027200	Pulp	0.08		2.963						12.0	1.38	4463
DUP B0027148										61.9	1.53	78
DUP B0027176										0.4	2.03	10
DUP B0027136				0.006								
DUP B0027178				<0.005								
DUP B0027166					32.70							
STD BLANK										<0.2	<0.01	<2
STD BLANK										<0.2	<0.01	<2
STD BLANK				<0.005								
STD BLANK				<0.005								
STD BLANK					<0.05							
STD BLANK						<1	<0.001	<0.01	<0.01			
STD OREAS 24b										<0.2	3.06	7
STD OREAS 601										49.1	0.85	304
STD OxJ120				2.435								
STD OxG124				0.901								
STD OxQ90					25.30							
STD MP-1b						47	3.070	2.09	16.53			

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910264**

Project Name: Dunwell
Job Received Date: 04-Nov-2019
Job Report Date: 19-Dec-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K
	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Sample ID	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1	0.01
Granite Blank	<10	81	<0.5	<2	0.75	<0.5	4	74	8	1.94	<10	<1	0.13
Granite Blank	<10	87	<0.5	<2	0.78	<0.5	4	82	8	1.95	<10	<1	0.14
B0027127	<10	29	<0.5	<2	8.79	21.3	8	58	83	2.91	<10	<1	0.26
B0027128	<10	20	<0.5	<2	3.39	296.9	13	87	551	4.41	<10	<1	0.17
B0027129	<10	16	0.5	<2	7.40	2.2	13	109	23	3.87	10	<1	0.08
B0027130	<10	15	<0.5	5	3.73	273.1	28	81	598	7.06	10	<1	0.15
B0027131	<10	25	<0.5	<2	4.94	30.5	11	90	112	3.70	10	<1	0.19
B0027132	<10	24	<0.5	<2	5.54	27.8	12	76	25	4.30	12	<1	0.18
B0027133	<10	40	<0.5	<2	4.39	2.2	6	58	10	2.67	<10	<1	0.16
B0027134	<10	53	<0.5	<2	3.94	3.8	10	72	47	4.18	11	<1	0.26
B0027135	<10	12	<0.5	<2	>25	<0.5	<1	9	2	0.08	<10	<1	<0.01
B0027136	<10	51	<0.5	<2	3.11	3.6	8	45	33	3.83	11	<1	0.23
B0027137	<10	38	<0.5	<2	4.26	46.0	15	66	182	4.53	11	<1	0.27
B0027138	<10	89	0.5	<2	3.15	1.7	18	55	108	3.88	<10	<1	0.29
B0027139	<10	48	<0.5	<2	5.83	15.5	21	65	124	4.57	12	<1	0.20
B0027140	<10	96	<0.5	<2	2.13	1.0	18	152	335	3.36	<10	<1	0.18
B0027141	<10	71	0.6	<2	3.67	2.7	21	52	99	3.64	12	<1	0.18
B0027142	<10	34	0.7	2	6.00	5.3	15	79	55	6.34	12	<1	0.27
B0027142PD	<10	39	0.7	<2	5.85	3.8	14	76	54	6.38	15	<1	0.30
B0027143	<10	18	<0.5	<2	0.61	47.2	15	71	310	5.78	11	<1	0.21
B0027144	<10	34	0.5	<2	4.64	7.4	11	54	63	3.28	<10	<1	0.26
B0027145	<10	33	<0.5	<2	5.61	1.9	14	81	54	3.95	<10	<1	0.34
B0027146	<10	37	<0.5	<2	4.48	67.7	15	40	98	5.94	13	<1	0.22
B0027147	<10	76	0.6	<2	3.75	12.4	12	83	96	3.38	<10	<1	0.43
B0027148	<10	32	<0.5	<2	1.69	726.1	21	53	2125	4.50	<10	<1	0.31

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910264

Project Name: Dunwell
Job Received Date: 04-Nov-2019
Job Report Date: 19-Dec-2019
Report Version: Final

Sample ID	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01
B0027149	<10	57	<0.5	<2	2.48	70.6	13	62	472	3.82	12	<1	0.24
B0027150	<10	62	0.7	<2	2.45	5.7	10	51	52	3.62	<10	<1	0.30
B0027151	<10	17	<0.5	4	1.21	70.5	14	147	264	7.76	11	<1	0.18
B0027152	<10	15	<0.5	5	1.11	81.8	14	123	287	7.70	<10	<1	0.16
B0027153	<10	58	<0.5	3	1.02	91.3	14	54	367	8.74	18	<1	0.50
B0027154	10	24	0.6	<2	8.17	74.4	17	82	129	7.47	12	<1	0.20
B0027155	<10	10	<0.5	<2	>25	<0.5	<1	7	1	0.07	<10	<1	<0.01
B0027156	<10	10	<0.5	<2	10.40	2.8	5	73	30	1.60	<10	<1	0.05
B0027157	<10	54	<0.5	2	4.98	76.5	13	44	138	4.73	<10	<1	0.28
B0027158	<10	49	<0.5	<2	6.97	15.8	19	56	36	3.96	<10	<1	0.23
B0027159	<10	43	<0.5	<2	2.39	554.8	15	59	1663	11.13	16	<1	0.30
B0027160	<10	160	<0.5	3	2.65	7.5	12	27	82	9.01	13	<1	0.23
B0027161	<10	107	0.6	4	4.29	17.6	26	175	149	5.73	14	<1	0.35
B0027162	<10	181	<0.5	2	5.77	2.1	11	59	95	3.10	<10	<1	0.38
B0027163	<10	103	<0.5	<2	4.06	6.6	12	71	88	3.29	<10	<1	0.33
B0027164	<10	<10	<0.5	29	2.73	807.3	57	74	2066	17.75	23	<1	<0.01
B0027164PD	<10	<10	<0.5	30	2.69	784.3	53	71	2120	17.80	23	<1	<0.01
B0027165	<10	86	0.8	8	4.78	25.2	38	370	228	7.57	17	<1	0.38
B0027166	<10	12	<0.5	<2	0.61	1912.0	58	63	6244	15.27	20	<1	0.11
B0027167	<10	21	<0.5	<2	0.74	1373.7	37	68	>10000	11.22	15	<1	0.21
B0027168	<10	29	<0.5	6	0.49	886.6	9	56	1494	12.12	16	<1	0.37
B0027169	<10	265	0.8	3	4.09	4.3	28	68	142	6.18	19	<1	0.72
B0027170	<10	81	<0.5	4	3.34	3.3	14	62	122	3.90	12	<1	0.22
B0027171	<10	50	<0.5	<2	3.02	316.4	16	59	513	4.35	<10	<1	0.43
B0027172	<10	45	<0.5	5	2.65	296.9	16	58	697	4.45	10	<1	0.44

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910264

Project Name: Dunwell
Job Received Date: 04-Nov-2019
Job Report Date: 19-Dec-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K
	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Sample ID	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1	0.01
B0027173	<10	33	<0.5	2	1.17	512.3	13	107	2107	5.11	10	<1	0.48
B0027174	<10	42	<0.5	9	2.56	219.0	13	98	1041	3.20	<10	<1	0.27
B0027175	<10	11	<0.5	<2	>25	<0.5	<1	10	2	0.05	<10	<1	<0.01
B0027176	<10	38	0.8	2	2.94	2.2	12	54	16	4.16	11	<1	0.21
B0027177	<10	32	0.8	<2	2.54	<0.5	12	96	24	4.29	12	<1	0.17
B0027178	<10	26	0.7	<2	2.13	<0.5	10	57	19	3.90	<10	<1	0.14
B0027179	<10	33	1.0	<2	2.66	<0.5	13	75	15	4.31	12	<1	0.16
B0027180	11	100	<0.5	3	2.29	0.9	18	161	338	3.44	10	<1	0.20
B0027181	<10	70	0.7	<2	3.07	15.2	10	38	44	3.65	<10	<1	0.30
B0027182	<10	13	<0.5	2	2.31	6.1	5	178	37	4.12	<10	<1	0.14
B0027183	<10	34	<0.5	3	1.26	102.7	7	145	406	3.76	<10	<1	0.24
B0027184	<10	34	<0.5	8	0.83	959.1	11	51	417	8.93	16	<1	0.51
B0027185	<10	41	0.8	2	5.23	48.9	12	122	82	4.29	<10	<1	0.38
B0027186	<10	37	0.8	<2	12.08	14.7	10	80	41	2.71	<10	<1	0.31
B0027187	<10	93	1.1	3	4.89	5.9	35	269	210	6.31	16	<1	0.57
B0027188	<10	62	0.7	5	4.11	134.8	19	33	626	8.36	15	<1	0.52
B0027189	<10	89	0.9	2	3.85	<0.5	27	165	223	6.26	17	<1	0.24
B0027190	<10	73	<0.5	<2	2.61	54.3	9	79	88	3.59	10	<1	0.58
B0027191	<10	33	<0.5	6	1.09	692.3	15	172	1711	8.70	13	<1	0.38
B0027192	<10	88	0.5	3	3.03	145.4	13	104	343	3.98	10	<1	0.42
B0027193	<10	74	<0.5	3	3.15	147.4	14	94	344	3.82	<10	<1	0.36
B0027194	<10	102	<0.5	3	2.74	1.9	11	122	65	2.99	<10	<1	0.29
B0027195	<10	12	<0.5	<2	>25	<0.5	<1	8	2	0.06	<10	<1	0.01
B0027196	11	130	<0.5	3	5.74	3.4	23	57	93	4.79	13	<1	0.34
B0027197	11	88	<0.5	2	2.15	24.5	14	91	134	4.01	10	<1	0.41

***Please refer to the cover page for comments regarding this test report. ***

MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910264

Project Name: Dunwell
Job Received Date: 04-Nov-2019
Job Report Date: 19-Dec-2019
Report Version: Final

Sample ID	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01
B0027197PD	12	80	<0.5	3	2.08	23.6	13	89	126	3.82	10	<1	0.37
B0027198	17	14	<0.5	172	1.28	248.5	35	186	2043	16.07	21	<1	0.19
B0027199	15	312	0.6	5	2.38	1.1	23	120	131	4.89	14	<1	0.47
B0027200	17	150	<0.5	<2	2.68	6.8	12	25	81	8.57	14	<1	0.22
DUP B0027148	<10	29	<0.5	<2	1.72	735.4	21	48	2139	4.56	10	<1	0.28
DUP B0027176	<10	35	0.8	<2	2.91	2.1	11	54	16	4.10	11	<1	0.20
DUP B0027136													
DUP B0027178													
DUP B0027166													
STD BLANK	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<1	<0.01
STD BLANK	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<1	<0.01
STD BLANK													
STD BLANK													
STD BLANK													
STD BLANK													
STD OREAS 24b	<10	143	1.5	2	0.45	<0.5	15	106	36	4.01	16	<1	1.13
STD OREAS 601	<10	373	0.6	21	1.01	7.7	4	43	989	2.14	<10	<1	0.26
STD OxJ120													
STD OxG124													
STD OxQ90													
STD MP-1b													

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910264

Project Name: Dunwell
Job Received Date: 04-Nov-2019
Job Report Date: 19-Dec-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample ID	10	0.01	5	1	0.01	1	10	2	0.01	2	2	1	8
Granite Blank	<10	0.54	524	2	0.12	5	426	7	0.03	<2	3	26	<8
Granite Blank	<10	0.53	533	2	0.13	4	447	7	0.03	<2	3	26	<8
B0027127	<10	0.80	2903	32	<0.01	41	915	2736	1.45	<2	3	301	<8
B0027128	<10	0.81	2538	15	<0.01	47	1220	7131	3.91	3	3	107	<8
B0027129	<10	1.99	2485	76	<0.01	167	1234	273	0.45	<2	6	194	<8
B0027130	<10	0.50	3017	93	<0.01	151	732	>10000	7.72	7	3	118	<8
B0027131	<10	1.06	3692	148	<0.01	74	723	559	0.96	<2	4	118	<8
B0027132	<10	1.20	4129	160	<0.01	82	790	790	1.26	<2	5	139	<8
B0027133	<10	1.04	2667	20	0.02	32	708	131	0.07	<2	4	109	<8
B0027134	<10	1.80	2738	7	0.04	52	1075	464	0.21	<2	9	118	<8
B0027135	<10	0.36	85	<1	<0.01	<1	56	3	0.01	<2	<2	87	<8
B0027136	<10	1.56	2608	2	0.02	28	715	323	0.30	<2	5	76	<8
B0027137	<10	1.41	3345	3	0.01	33	1046	916	1.38	<2	9	103	<8
B0027138	<10	1.27	1240	2	0.19	33	1420	109	1.28	<2	9	126	<8
B0027139	<10	1.68	3424	2	0.04	39	1761	831	1.04	<2	16	149	<8
B0027140	<10	1.72	466	6	0.34	176	345	217	0.12	6	3	81	<8
B0027141	<10	1.22	1099	3	0.20	47	1671	45	1.13	<2	8	171	<8
B0027142	<10	2.12	6126	5	<0.01	65	1370	434	1.06	<2	13	145	<8
B0027142PD	<10	2.09	6059	5	<0.01	62	1287	404	1.10	<2	12	141	<8
B0027143	<10	0.47	1086	3	<0.01	43	492	2853	5.27	<2	<2	12	<8
B0027144	<10	0.89	5494	3	0.01	50	802	208	1.79	<2	5	106	<8
B0027145	<10	1.12	4362	12	<0.01	87	862	192	1.36	<2	5	98	<8
B0027146	<10	1.20	2143	<1	0.03	35	712	1490	3.07	<2	4	73	<8
B0027147	<10	1.22	1743	5	0.02	43	1046	713	1.02	3	6	64	<8
B0027148	<10	0.76	2047	3	<0.01	48	804	>10000	5.83	12	3	22	<8

***Please refer to the cover page for comments regarding this test report. ***

MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910264

Project Name: Dunwell
Job Received Date: 04-Nov-2019
Job Report Date: 19-Dec-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample ID	10	0.01	5	1	0.01	1	10	2	0.01	2	2	1	8
B0027149	<10	1.41	1395	6	0.02	43	919	4139	1.51	8	6	36	<8
B0027150	<10	1.25	1234	7	0.12	31	1651	202	2.36	<2	4	106	<8
B0027151	<10	0.05	676	36	<0.01	75	266	3633	8.61	11	<2	25	<8
B0027152	<10	0.04	628	35	<0.01	72	260	3825	8.64	17	<2	22	<8
B0027153	<10	1.46	1669	2	<0.01	23	2616	4287	4.87	8	<2	35	<8
B0027154	<10	1.20	4432	60	<0.01	135	1114	3327	4.41	4	5	207	<8
B0027155	<10	0.38	86	<1	<0.01	<1	90	3	<0.01	<2	<2	88	<8
B0027156	<10	1.85	1974	5	<0.01	65	1282	123	0.20	<2	4	213	<8
B0027157	<10	1.39	2385	4	<0.01	53	1038	1864	2.16	5	4	112	<8
B0027158	<10	1.67	3086	3	<0.01	44	968	732	0.39	<2	4	154	<8
B0027159	<10	0.66	1529	1	<0.01	102	518	>10000	>10	14	3	62	<8
B0027160	<10	0.90	438	5	0.03	30	634	387	1.20	3	<2	160	<8
B0027161	<10	2.84	1398	2	0.03	108	1296	499	1.69	<2	16	83	<8
B0027162	<10	1.44	968	4	0.03	63	982	45	1.27	<2	5	91	<8
B0027163	<10	1.28	1080	7	0.01	70	1041	158	1.42	<2	5	57	<8
B0027164	<10	0.69	2218	<1	<0.01	102	715	>10000	>10	31	3	40	<8
B0027164PD	<10	0.72	2206	<1	<0.01	100	724	>10000	>10	20	3	38	<8
B0027165	<10	4.45	3755	<1	0.02	137	1829	1495	1.06	8	33	80	<8
B0027166	<10	0.38	1685	<1	<0.01	36	269	>10000	>10	45	2	6	<8
B0027167	<10	0.35	1546	<1	<0.01	40	280	>10000	>10	88	<2	10	<8
B0027168	<10	0.24	1027	2	<0.01	45	512	>10000	>10	22	<2	9	<8
B0027169	<10	2.49	1705	<1	0.41	49	2162	263	1.71	<2	16	326	<8
B0027170	<10	1.33	901	3	0.19	63	989	60	1.68	<2	7	128	<8
B0027171	<10	0.94	2746	3	<0.01	37	920	3654	3.93	3	4	62	<8
B0027172	<10	0.97	2504	4	<0.01	39	1011	4458	3.88	5	4	57	<8

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910264

Project Name: Dunwell
Job Received Date: 04-Nov-2019
Job Report Date: 19-Dec-2019
Report Version: Final

Sample ID	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8
B0027173	<10	0.72	1434	5	<0.01	45	866	>10000	6.29	15	4	23	<8
B0027174	<10	0.56	1354	6	0.01	74	588	6465	3.43	8	3	56	<8
B0027175	<10	0.43	72	<1	<0.01	<1	80	11	<0.01	<2	<2	90	<8
B0027176	<10	0.78	756	3	0.23	28	1887	35	2.89	<2	3	171	<8
B0027177	<10	1.20	978	<1	0.23	42	1689	20	2.72	5	5	154	<8
B0027178	<10	0.80	627	<1	0.20	30	1817	15	2.51	<2	3	130	<8
B0027179	<10	0.96	803	<1	0.23	37	1690	20	2.92	3	3	155	<8
B0027180	<10	1.76	485	7	0.36	179	372	212	0.12	8	4	89	<8
B0027181	<10	1.20	767	1	0.16	21	2311	14	2.16	<2	5	127	<8
B0027182	<10	0.13	1459	14	<0.01	44	474	508	4.31	<2	<2	47	<8
B0027183	<10	0.08	1994	42	<0.01	79	641	2555	4.31	6	<2	39	<8
B0027184	<10	0.77	1325	2	<0.01	31	2121	>10000	>10	13	<2	34	<8
B0027185	<10	0.62	3769	95	<0.01	157	793	2733	3.68	4	4	122	<8
B0027186	<10	0.97	8376	39	<0.01	105	1185	699	1.03	<2	7	285	<8
B0027187	<10	2.18	2463	3	0.04	121	2259	251	1.52	5	30	102	<8
B0027188	<10	1.28	3236	1	0.01	24	1982	378	6.62	<2	12	84	<8
B0027189	<10	1.44	1454	<1	0.34	60	2179	20	2.08	4	11	238	<8
B0027190	<10	1.02	1760	2	0.02	7	964	1370	1.24	<2	3	140	<8
B0027191	<10	0.46	1335	11	<0.01	33	487	>10000	>10	37	2	33	<8
B0027192	<10	1.08	2160	5	0.03	41	880	3948	1.98	5	5	54	<8
B0027193	<10	1.07	2228	5	0.04	40	835	3951	2.03	5	5	58	<8
B0027194	<10	1.16	935	2	0.15	37	826	74	1.24	<2	6	116	<8
B0027195	<10	0.56	84	<1	0.01	<1	66	4	<0.01	<2	<2	99	<8
B0027196	<10	1.72	1590	1	0.12	24	951	64	2.22	3	7	197	<8
B0027197	<10	1.16	1123	6	0.03	68	794	421	2.26	<2	5	39	<8

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910264

Project Name: Dunwell
Job Received Date: 04-Nov-2019
Job Report Date: 19-Dec-2019
Report Version: Final

Sample ID	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8
B0027197PD	<10	1.15	1105	6	0.03	66	795	407	2.06	5	4	37	<8
B0027198	<10	0.20	875	<1	<0.01	83	130	>10000	>10	7	<2	16	<8
B0027199	<10	1.88	1104	3	0.28	55	1781	149	1.35	3	8	216	<8
B0027200	<10	0.88	441	5	0.04	29	574	359	1.21	8	<2	171	<8
DUP B0027148	<10	0.77	2076	3	<0.01	48	828	>10000	5.88	13	3	22	<8
DUP B0027176	<10	0.77	748	3	0.22	26	1839	37	2.87	3	3	166	<8
DUP B0027136													
DUP B0027178													
DUP B0027166													
STD BLANK	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<2	<1	<8
STD BLANK	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<2	<1	<8
STD BLANK													
STD BLANK													
STD BLANK													
STD BLANK													
STD OREAS 24b	16	1.36	335	3	0.10	57	662	14	0.20	<2	10	27	10
STD OREAS 601	13	0.19	418	3	0.10	23	360	267	1.00	22	<2	36	<8
STD OxJ120													
STD OxG124													
STD OxQ90													
STD MP-1b													

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910264

Project Name: Dunwell
Job Received Date: 04-Nov-2019
Job Report Date: 19-Dec-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Ti	Tl	V	W	Zn	Zr
	%	ppm	ppm	ppm	ppm	ppm
Sample ID	0.01	10	1	10	1	5
Granite Blank	0.10	<10	29	<10	34	5
Granite Blank	0.10	<10	28	<10	37	5
B0027127	0.05	<10	91	<10	2126	<5
B0027128	0.04	<10	82	<10	>10000	<5
B0027129	0.02	<10	519	<10	242	5
B0027130	<0.01	<10	285	<10	>10000	<5
B0027131	<0.01	<10	149	<10	2901	<5
B0027132	<0.01	<10	168	<10	2613	<5
B0027133	<0.01	<10	141	<10	218	<5
B0027134	0.01	<10	135	<10	355	<5
B0027135	<0.01	<10	1	<10	<1	<5
B0027136	<0.01	<10	83	<10	427	<5
B0027137	<0.01	<10	90	<10	4512	<5
B0027138	0.11	<10	103	<10	188	<5
B0027139	0.05	<10	158	<10	1439	<5
B0027140	0.09	<10	66	<10	136	5
B0027141	0.10	<10	97	<10	198	<5
B0027142	<0.01	12	155	<10	512	<5
B0027142PD	<0.01	<10	155	<10	414	<5
B0027143	<0.01	<10	64	<10	5294	<5
B0027144	0.02	<10	48	<10	697	<5
B0027145	0.04	<10	110	<10	125	<5
B0027146	0.09	<10	64	<10	6478	<5
B0027147	0.07	<10	83	<10	1315	<5
B0027148	<0.01	<10	54	<10	>10000	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910264

Project Name: Dunwell
Job Received Date: 04-Nov-2019
Job Report Date: 19-Dec-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Ti	Tl	V	W	Zn	Zr
	%	ppm	ppm	ppm	ppm	ppm
Sample ID	0.01	10	1	10	1	5
B0027149	0.09	<10	103	<10	6930	<5
B0027150	0.04	<10	90	<10	581	<5
B0027151	0.02	<10	117	<10	7573	<5
B0027152	0.01	<10	105	<10	8788	<5
B0027153	<0.01	<10	55	<10	9588	<5
B0027154	0.02	<10	310	<10	7883	<5
B0027155	<0.01	<10	<1	<10	3	<5
B0027156	0.02	<10	87	<10	238	<5
B0027157	0.02	<10	61	<10	6894	<5
B0027158	0.03	<10	78	<10	1495	<5
B0027159	0.05	<10	44	<10	>10000	<5
B0027160	0.02	<10	24	22	825	16
B0027161	0.13	<10	125	<10	1562	<5
B0027162	0.08	<10	83	<10	227	<5
B0027163	0.04	<10	92	<10	648	<5
B0027164	0.03	<10	61	10	>10000	6
B0027164PD	0.03	11	63	<10	>10000	6
B0027165	0.12	<10	199	<10	2798	<5
B0027166	0.02	<10	34	<10	>10000	<5
B0027167	0.01	<10	29	<10	>10000	<5
B0027168	0.03	<10	27	<10	>10000	<5
B0027169	0.20	<10	191	<10	447	<5
B0027170	0.14	<10	96	<10	279	<5
B0027171	0.06	<10	62	<10	>10000	<5
B0027172	0.06	<10	63	<10	>10000	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910264

Project Name: Dunwell
Job Received Date: 04-Nov-2019
Job Report Date: 19-Dec-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Ti	Tl	V	W	Zn	Zr
	%	ppm	ppm	ppm	ppm	ppm
Sample ID	0.01	10	1	10	1	5
B0027173	0.08	<10	62	<10	>10000	<5
B0027174	0.04	<10	50	<10	>10000	<5
B0027175	<0.01	<10	<1	<10	13	<5
B0027176	0.09	<10	71	<10	166	<5
B0027177	0.09	<10	67	<10	37	5
B0027178	0.09	<10	49	<10	24	<5
B0027179	0.09	<10	50	<10	35	<5
B0027180	0.10	<10	69	<10	136	<5
B0027181	0.07	<10	82	<10	877	<5
B0027182	<0.01	<10	50	<10	536	<5
B0027183	<0.01	<10	118	<10	>10000	<5
B0027184	<0.01	<10	43	<10	>10000	6
B0027185	<0.01	<10	484	<10	5097	<5
B0027186	0.02	<10	186	<10	1300	<5
B0027187	0.15	<10	222	<10	529	<5
B0027188	0.01	<10	102	<10	>10000	<5
B0027189	0.16	<10	126	<10	113	<5
B0027190	0.05	<10	41	<10	5684	6
B0027191	0.03	<10	45	<10	>10000	<5
B0027192	0.03	<10	82	<10	>10000	<5
B0027193	0.02	<10	76	<10	>10000	<5
B0027194	0.11	<10	78	<10	159	<5
B0027195	<0.01	<10	<1	<10	9	<5
B0027196	0.11	<10	93	<10	238	<5
B0027197	0.10	<10	76	<10	2242	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910264

Project Name: Dunwell
Job Received Date: 04-Nov-2019
Job Report Date: 19-Dec-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Ti	Tl	V	W	Zn	Zr
	%	ppm	ppm	ppm	ppm	ppm
Sample ID	0.01	10	1	10	1	5
B0027197PD	0.09	<10	73	<10	2128	<5
B0027198	0.01	<10	23	<10	>10000	<5
B0027199	0.19	<10	143	<10	142	<5
B0027200	0.02	<10	23	17	778	14
DUP B0027148	<0.01	<10	53	<10	>10000	<5
DUP B0027176	0.09	<10	70	<10	179	<5
DUP B0027136						
DUP B0027178						
DUP B0027166						
STD BLANK	<0.01	<10	<1	<10	<1	<5
STD BLANK	<0.01	<10	<1	<10	<1	<5
STD BLANK						
STD BLANK						
STD BLANK						
STD BLANK						
STD OREAS 24b	0.20	<10	78	<10	94	26
STD OREAS 601	0.01	<10	9	<10	1276	26
STD OxJ120						
STD OxG124						
STD OxQ90						
STD MP-1b						

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910271**

Project Name:	Dunwell
Job Received Date:	26-Nov-2019
Job Report Date:	04-Jan-2020
Number of Samples:	57
Report Version:	Final

COMMENTS:

Coarse gold may be present in some samples.

Test results reported relate to the tested samples only on an "as received" basis. Unless otherwise stated above, sufficient sample was received for the methods requested and all samples were received in acceptable condition. Analytical results in unsigned reports marked "provisional" are subject to change, pending final QC review and approval. The customer has not provided any information than can affect the validity of the test results. Please refer to MSALABS' Schedule of Services and Fees for our complete Terms and Conditions. Preliminary results are applicable when a portion of samples in a job is 100% completed and reported or 1 of a number of methods on the same job have been completed 100%. Results cannot change, but additional results or results for additional methods can be added.

SAMPLE PREPARATION

METHOD CODE	DESCRIPTION
PRP-910	Dry, Crush to 70% passing 2mm, Split 250g, Pulverize to 85% passing 75µm
	Sample preparation performed by MS Analytical Terrace

ANALYTICAL METHODS

METHOD CODE	DESCRIPTION
FAS-111	Au, Fire Assay, 30g fusion, AAS, Trace Level
FAS-415	Au, Fire Assay, 30g fusion, Gravimetric
FAS-418	Ag, Fire Assay, 30g fusion, Gravimetric
ICF-6Ag	Ag, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICF-6Pb	Pb, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICF-6Zn	Zn, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICP-130	Multi-Element, 0.5g, 3:1 Aqua Regia, ICP-AES, Trace Level

Signature:

Yvette Hsi, BSc.
Laboratory Manager
MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910271

Project Name: Dunwell
Job Received Date: 26-Nov-2019
Job Report Date: 04-Jan-2020
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	FAS-415 Au ppm 0.05	FAS-418 Ag ppm 50	ICF-6Ag Ag ppm 1	ICF-6Pb Pb % 0.01	ICF-6Zn Zn % 0.01	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2
Granite Blank	QC-P-BK	--		<0.005						<0.2	1.06	<2
Granite Blank	QC-P-BK	--		<0.005						<0.2	1.04	<2
B0027201	Core	1.28		<0.005						10.7	2.06	49
B0027202	Core	1.94		8.924			161	5.12	6.80	>100	1.43	555
B0027203	Core	1.38		0.422						4.3	1.92	452
B0027204	Core	2.62		0.037						2.8	2.09	106
B0027205	Core	2.30		2.238						43.4	0.47	3673
B0027206	Core	2.80		>10	12.87					22.8	0.55	2361
B0027206PD	QC-PD	--		>10	12.91					23.7	0.55	2408
B0027207	Core	1.20		0.031						7.5	2.08	227
B0027208	Core	1.36		0.047						2.0	2.32	172
B0027209	Core	2.42		3.383				1.21	12.70	65.6	2.89	295
B0027210	Core	1.26		0.071						7.2	4.03	70
B0027211	Core	1.32		6.853					10.19	34.8	2.79	184
B0027212	Core	0.96		0.017						1.9	2.15	96
B0027213	Core	0.96		0.021						1.9	2.15	104
B0027214	Core	1.62		0.009						1.7	3.06	76
B0027215	Rock	1.18		<0.005						0.4	0.01	<2
B0027216	Core	2.02		0.041						2.3	3.14	190
B0027217	Core	1.50		9.403			264	5.21	20.90	>100	0.56	1837
B0027218	Core	1.38		0.097						2.5	2.53	84
B0027219	Core	0.82		0.011						1.5	1.33	32
B0027220	Pulp	0.12		3.852						19.1	3.32	8
B0027221	Core	1.30		0.007						2.8	2.76	27
B0027222	Core	1.44		0.350					1.62	16.1	2.49	138

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910271

Project Name: Dunwell
Job Received Date: 26-Nov-2019
Job Report Date: 04-Jan-2020
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	FAS-415 Au ppm 0.05	FAS-418 Ag ppm 50	ICF-6Ag Ag ppm 1	ICF-6Pb Pb % 0.01	ICF-6Zn Zn % 0.01	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2
B0027223	Core	1.72		0.609					1.96	21.3	1.49	41
B0027224	Core	1.50		<0.005						1.8	2.02	101
B0027225	Core	1.78		<0.005						0.6	2.52	114
B0027226	Core	1.52		<0.005						3.4	1.99	68
B0027227	Core	1.40		0.823			138	6.06	4.55	>100	1.27	371
B0027228	Core	1.36		<0.005						3.8	2.57	67
B0027229	Core	2.04		0.926						13.4	1.40	68
B0027230	Core	1.42		0.685					1.19	21.0	1.75	38
B0027231	Core	1.36		<0.005						5.7	2.02	43
B0027232	Core	--		<0.005						5.7	2.07	40
B0027233	Core	1.46		<0.005						1.3	1.82	29
B0027234	Core	1.36		<0.005						0.8	2.77	239
B0027235	Rock	1.22		<0.005						0.4	0.03	<2
B0027236	Core	1.70		7.156		1248	>750			>100	0.52	1591
B0027237	Core	1.64		9.733			490		2.29	>100	0.27	3103
B0027238	Core	1.96		0.552						49.2	1.14	412
B0027239	Core	1.86		0.659						24.5	0.86	472
B0027240	Pulp	0.12		2.983						12.8	1.42	4420
B0027241	Core	1.90		0.203						7.7	1.18	206
B0027242	Core	1.66		0.118						11.3	2.49	252
B0027243	Core	1.94		0.005						1.3	2.28	20
B0027244	Core	2.00		0.178						17.5	2.02	109
B0027245	Core	2.36		0.006						0.7	2.20	17
B0027246	Core	2.66		0.051						2.6	2.20	124
B0027247	Core	2.22		0.310						9.6	0.91	1334

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910271

Project Name: Dunwell
Job Received Date: 26-Nov-2019
Job Report Date: 04-Jan-2020
Report Version: Final

	Sample	PWE-100	Method	FAS-111	FAS-415	FAS-418	ICF-6Ag	ICF-6Pb	ICF-6Zn	ICP-130	ICP-130	ICP-130
	Type	Rec. Wt.	Analyte	Au	Au	Ag	Ag	Pb	Zn	Ag	Al	As
		kg	Units	ppm	ppm	ppm	ppm	%	%	ppm	%	ppm
Sample ID		0.01	LOR	0.005	0.05	50	1	0.01	0.01	0.2	0.01	2
B0027248	Core	2.72		0.011						7.4	1.44	179
B0027249	Core	2.66		0.177						2.4	0.93	1048
B0027249PD	QC-PD	--		0.164						2.2	0.97	1065
B0027250	Core	2.60		0.013						1.1	1.78	57
B0027251	Core	1.32		0.052						3.1	1.44	113
B0027252	Core	1.26		0.077						3.8	1.56	128
B0027253	Core	1.36		0.044						5.5	1.73	65
B0027254	Core	1.24		0.137						9.0	2.34	104
B0027255	Rock	1.32		<0.005						0.4	0.02	<2
B0027256	Core	1.40		>10	32.23		472			>100	0.52	1462
B0027257	Core	1.40		0.285						4.8	1.14	165
DUP B0027209				2.556								
DUP B0027256					30.73							
DUP B0027229										13.1	1.41	73
DUP B0027236						1183						
STD BLANK				<0.005								

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910271

Project Name: Dunwell
Job Received Date: 26-Nov-2019
Job Report Date: 04-Jan-2020
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	FAS-415 Au ppm 0.05	FAS-418 Ag ppm 50	ICF-6Ag Ag ppm 1	ICF-6Pb Pb % 0.01	ICF-6Zn Zn % 0.01	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2
STD BLANK					<0.05							
STD BLANK										<0.2	<0.01	<2
STD BLANK						<50						
STD BLANK							<1	<0.01	<0.01			
STD OxK160				3.790								
STD OxQ90					25.30							
STD OREAS 601										48.2	0.82	305
STD CDN-ME-1805						2213						
STD MP-1b							48	2.07	16.62			

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910271

Project Name: Dunwell
Job Received Date: 26-Nov-2019
Job Report Date: 04-Jan-2020
Report Version: Final

Sample ID	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1
Granite Blank	<10	93	<0.5	<2	0.73	<0.5	4	172	7	1.91	<10	<1
Granite Blank	<10	89	<0.5	3	0.74	<0.5	4	151	9	1.91	<10	<1
B0027201	<10	59	0.6	<2	3.15	42.2	13	100	202	3.56	<10	<1
B0027202	<10	35	<0.5	<2	1.20	580.7	22	160	3088	4.53	<10	<1
B0027203	<10	80	0.7	3	3.63	16.2	12	106	119	3.22	<10	<1
B0027204	<10	68	1.2	<2	3.97	2.9	10	53	27	3.76	<10	<1
B0027205	<10	27	<0.5	5	4.74	8.7	8	253	47	8.16	<10	<1
B0027206	11	<10	<0.5	23	0.76	21.9	71	157	125	21.71	25	<1
B0027206PD	13	<10	<0.5	21	0.77	22.2	73	186	125	22.20	25	<1
B0027207	<10	59	1.0	4	6.29	41.3	13	260	69	4.14	11	<1
B0027208	<10	98	0.5	<2	3.68	3.4	14	86	93	3.89	12	<1
B0027209	<10	18	<0.5	9	1.48	1075.5	32	99	1164	12.27	20	<1
B0027210	<10	52	<0.5	4	3.81	56.2	24	82	218	8.35	19	<1
B0027211	<10	36	<0.5	13	2.95	957.9	31	61	1417	9.47	17	<1
B0027212	<10	77	0.5	<2	3.37	6.2	13	86	76	4.00	<10	<1
B0027213	<10	80	0.6	2	3.09	8.8	13	93	88	4.06	<10	<1
B0027214	<10	97	0.6	2	4.41	13.4	15	119	110	4.11	13	<1
B0027215	<10	11	<0.5	<2	>25	<0.5	<1	12	2	0.08	<10	<1
B0027216	<10	86	0.5	3	3.23	24.0	20	70	118	5.42	14	<1
B0027217	<10	10	<0.5	<2	0.44	>2000	28	100	5280	20.29	23	<1
B0027218	<10	146	0.5	<2	3.60	3.9	18	114	127	4.08	12	<1
B0027219	<10	59	<0.5	2	2.83	11.7	9	197	54	2.35	<10	<1
B0027220	<10	98	<0.5	3	2.27	1.0	19	169	340	3.40	13	<1
B0027221	<10	65	<0.5	2	3.28	9.9	12	90	118	3.61	13	<1
B0027222	<10	49	<0.5	<2	1.19	162.1	9	82	193	5.46	15	<1

***Please refer to the cover page for comments regarding this test report. ***

MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910271

Project Name: Dunwell
Job Received Date: 26-Nov-2019
Job Report Date: 04-Jan-2020
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg
	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
Sample ID	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1
B0027223	<10	50	<0.5	<2	2.80	192.5	9	196	249	2.76	<10	<1
B0027224	<10	64	0.6	3	3.97	0.5	17	95	79	3.30	<10	<1
B0027225	<10	84	0.6	2	5.16	<0.5	10	128	63	2.33	<10	<1
B0027226	<10	69	0.5	3	4.15	9.4	11	96	131	3.46	<10	<1
B0027227	<10	21	<0.5	5	2.69	403.3	14	168	1115	5.63	10	<1
B0027228	<10	83	0.6	2	2.77	9.3	14	97	116	4.35	12	<1
B0027229	<10	29	<0.5	5	8.74	68.5	9	114	236	3.07	<10	<1
B0027230	<10	38	<0.5	3	4.44	107.7	13	124	281	3.42	<10	<1
B0027231	<10	60	<0.5	3	3.44	25.0	11	152	306	3.68	11	<1
B0027232	<10	60	<0.5	2	3.65	26.7	12	170	317	3.81	<10	<1
B0027233	<10	99	<0.5	2	2.72	2.0	13	168	77	3.25	11	<1
B0027234	<10	34	0.7	<2	12.51	1.2	36	481	23	3.89	10	<1
B0027235	<10	13	<0.5	<2	>25	<0.5	<1	16	2	0.07	<10	<1
B0027236	<10	21	<0.5	<2	2.14	29.0	29	119	302	10.94	14	<1
B0027237	<10	11	<0.5	3	0.37	243.4	13	145	374	12.22	14	<1
B0027238	<10	39	<0.5	<2	3.15	53.4	15	75	387	3.40	<10	<1
B0027239	<10	38	<0.5	2	1.80	28.5	8	68	97	2.68	<10	<1
B0027240	15	159	<0.5	5	2.75	7.4	13	29	80	8.96	15	<1
B0027241	<10	45	0.5	<2	2.66	6.0	8	51	106	2.52	<10	<1
B0027242	12	43	1.0	4	6.48	12.2	18	34	298	5.82	15	<1
B0027243	<10	39	<0.5	<2	9.92	1.3	6	61	41	4.00	12	<1
B0027244	<10	62	0.7	2	6.48	9.9	11	66	466	3.52	11	<1
B0027245	<10	160	0.7	3	2.50	0.9	14	77	75	4.28	11	<1
B0027246	<10	87	1.0	4	3.77	1.9	21	123	102	4.01	10	<1
B0027247	<10	31	<0.5	<2	2.23	7.1	12	53	116	2.52	<10	<1

***Please refer to the cover page for comments regarding this test report. ***

MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910271

Project Name:	Dunwell
Job Received Date:	26-Nov-2019
Job Report Date:	04-Jan-2020
Report Version:	Final

Sample ID	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1
B0027248	<10	50	<0.5	4	4.67	5.8	13	79	228	2.89	<10	<1
B0027249	<10	32	<0.5	3	2.21	4.3	11	78	89	2.36	<10	<1
B0027249PD	<10	34	<0.5	<2	2.31	4.5	11	82	87	2.32	<10	<1
B0027250	<10	85	<0.5	<2	1.98	<0.5	13	79	107	3.07	<10	<1
B0027251	<10	63	0.5	<2	3.10	3.2	12	59	94	2.80	<10	<1
B0027252	<10	67	0.6	3	3.14	3.2	13	64	104	3.11	<10	<1
B0027253	<10	24	<0.5	2	4.84	4.8	12	50	74	3.41	<10	<1
B0027254	<10	33	0.7	<2	4.68	8.7	11	67	72	4.07	10	<1
B0027255	<10	10	<0.5	<2	>25	<0.5	<1	8	1	0.05	<10	<1
B0027256	<10	26	<0.5	<2	3.78	39.6	7	130	75	6.15	<10	<1
B0027257	<10	49	0.5	3	8.96	3.1	8	55	49	3.12	<10	<1
DUP B0027209												
DUP B0027256												
DUP B0027229	<10	28	<0.5	2	8.86	69.0	9	113	239	3.12	<10	<1
DUP B0027236												
STD BLANK												

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910271

Project Name: Dunwell
Job Received Date: 26-Nov-2019
Job Report Date: 04-Jan-2020
Report Version: Final

Sample ID	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1
STD BLANK												
STD BLANK	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<1
STD BLANK												
STD BLANK												
STD OxK160												
STD OxQ90												
STD OREAS 601	<10	112	0.6	23	1.07	8.0	5	44	1011	2.19	<10	1
STD CDN-ME-1805												
STD MP-1b												

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910271

Project Name: Dunwell
Job Received Date: 26-Nov-2019
Job Report Date: 04-Jan-2020
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
Sample ID	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	2
Granite Blank	0.17	<10	0.50	516	<1	0.17	5	418	3	0.01	<2	4
Granite Blank	0.15	<10	0.51	520	<1	0.15	4	426	3	0.01	<2	4
B0027201	0.49	<10	1.12	2436	4	0.01	43	957	2369	0.95	6	6
B0027202	0.34	<10	0.54	1227	2	0.01	40	589	>10000	6.75	63	3
B0027203	0.39	<10	1.06	1532	5	0.07	50	892	695	1.33	6	5
B0027204	0.67	<10	1.25	1936	<1	0.06	23	1690	72	2.98	<2	4
B0027205	0.29	<10	0.09	4849	42	<0.01	88	343	1942	8.98	12	<2
B0027206	0.24	<10	0.14	907	9	<0.01	107	344	2196	>10	6	<2
B0027206PD	0.24	<10	0.14	940	10	<0.01	111	357	2275	>10	7	<2
B0027207	0.44	<10	0.97	4080	127	0.02	230	996	1734	0.72	5	6
B0027208	0.35	<10	1.24	1634	2	0.16	40	987	217	1.26	<2	6
B0027209	0.21	<10	1.62	2419	2	<0.01	41	712	>10000	>10	8	6
B0027210	0.36	<10	2.80	3116	<1	0.01	54	2073	2112	1.42	<2	17
B0027211	0.39	<10	1.49	2171	2	0.01	50	1024	4462	9.67	<2	9
B0027212	0.45	<10	1.42	1571	3	0.02	53	684	171	1.50	5	5
B0027213	0.48	<10	1.39	1272	3	0.02	52	698	135	1.69	5	5
B0027214	0.36	<10	1.69	1190	4	0.19	59	1362	123	1.29	<2	9
B0027215	<0.01	<10	0.85	76	<1	<0.01	<1	75	<2	0.01	3	<2
B0027216	0.57	<10	1.80	1578	1	0.09	49	1358	273	1.99	3	10
B0027217	0.13	<10	0.27	812	<1	<0.01	48	149	>10000	>10	68	<2
B0027218	0.39	<10	1.17	991	4	0.11	66	1150	103	1.69	<2	8
B0027219	0.32	<10	0.93	655	5	0.02	24	460	75	1.18	<2	4
B0027220	0.19	<10	1.82	443	6	0.38	184	341	225	0.12	6	4
B0027221	0.36	<10	1.68	1419	1	0.17	33	1122	1188	0.91	<2	6
B0027222	0.55	<10	1.11	1505	<1	0.01	14	800	3852	2.50	5	3

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910271

Project Name: Dunwell
Job Received Date: 26-Nov-2019
Job Report Date: 04-Jan-2020
Report Version: Final

Sample ID	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2
B0027223	0.39	<10	0.77	1567	7	<0.01	33	633	5352	1.96	7	3
B0027224	0.36	<10	1.38	1147	5	0.05	61	933	32	1.24	6	5
B0027225	0.22	<10	0.71	683	5	0.28	55	769	16	0.92	3	4
B0027226	0.34	<10	1.48	1360	3	0.01	57	766	677	0.94	4	5
B0027227	0.14	<10	0.79	2332	<1	<0.01	52	655	>10000	6.84	44	3
B0027228	0.44	<10	1.67	2485	2	0.02	57	1269	640	0.73	<2	7
B0027229	0.24	<10	0.96	5001	3	<0.01	57	773	3179	1.64	7	3
B0027230	0.35	<10	0.95	4014	4	0.01	62	865	4354	1.47	4	3
B0027231	0.33	<10	1.36	1923	5	0.02	75	1719	718	0.85	<2	4
B0027232	0.33	<10	1.39	2005	5	0.02	78	1774	733	0.88	<2	4
B0027233	0.30	<10	1.62	660	5	0.03	99	1620	44	1.51	<2	5
B0027234	0.14	<10	3.33	3817	36	0.01	247	2000	37	0.57	<2	13
B0027235	<0.01	<10	0.38	75	<1	0.01	<1	82	3	0.01	<2	<2
B0027236	0.16	<10	0.36	908	29	<0.01	112	328	1854	>10	25	<2
B0027237	0.13	<10	0.07	412	32	<0.01	96	201	1872	>10	21	<2
B0027238	0.43	<10	0.67	3779	55	<0.01	89	892	1641	2.75	<2	4
B0027239	0.42	<10	0.47	3558	5	0.01	25	617	471	2.12	4	3
B0027240	0.23	<10	0.94	415	5	0.03	31	591	411	1.21	4	<2
B0027241	0.35	<10	0.90	3806	3	0.02	17	704	300	1.08	2	3
B0027242	0.36	<10	2.08	6142	<1	0.02	16	1722	364	2.20	4	13
B0027243	0.31	<10	1.58	5678	1	0.02	11	810	29	0.21	3	7
B0027244	0.52	<10	1.31	4383	<1	0.02	12	1414	112	0.97	<2	8
B0027245	0.61	<10	1.31	1087	<1	0.22	13	1622	18	1.22	<2	10
B0027246	0.44	<10	1.45	4352	2	0.16	45	1535	109	1.31	5	13
B0027247	0.32	<10	0.56	5630	49	<0.01	61	756	526	1.45	<2	3

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910271

Project Name: Dunwell
Job Received Date: 26-Nov-2019
Job Report Date: 04-Jan-2020
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
Sample ID	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	2
B0027248	0.24	<10	1.11	4019	88	0.01	85	948	271	0.95	3	6
B0027249	0.20	<10	0.67	2329	3	0.09	91	797	129	1.22	4	5
B0027249PD	0.22	<10	0.68	2417	2	0.10	92	786	133	1.17	6	5
B0027250	0.33	<10	1.30	579	4	0.10	110	780	14	1.22	<2	6
B0027251	0.30	<10	0.93	1053	7	0.06	59	975	82	1.53	3	5
B0027252	0.31	<10	1.02	1116	9	0.06	64	1119	94	1.70	4	5
B0027253	0.25	<10	1.17	5171	3	<0.01	45	852	315	0.61	<2	4
B0027254	0.55	<10	1.51	6712	2	<0.01	20	1767	218	1.18	<2	9
B0027255	<0.01	<10	0.38	85	<1	<0.01	<1	77	<2	<0.01	<2	<2
B0027256	0.37	<10	0.12	5692	4	<0.01	20	325	1336	7.04	9	<2
B0027257	0.42	<10	0.72	10284	8	0.02	28	672	119	1.54	3	3
DUP B0027209												
DUP B0027256												
DUP B0027229	0.24	<10	0.96	5000	2	<0.01	55	771	3185	1.66	4	4
DUP B0027236												
STD BLANK												

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910271

Project Name: Dunwell
Job Received Date: 26-Nov-2019
Job Report Date: 04-Jan-2020
Report Version: Final

Sample ID	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2
STD BLANK												
STD BLANK	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<2
STD BLANK												
STD BLANK												
STD OxK160												
STD OxQ90												
STD OREAS 601	0.25	12	0.19	399	3	0.07	24	359	282	1.04	18	<2
STD CDN-ME-1805												
STD MP-1b												

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910271

Project Name: Dunwell
Job Received Date: 26-Nov-2019
Job Report Date: 04-Jan-2020
Report Version: Final

Sample ID	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
Granite Blank	29	<8	0.11	<10	28	<10	30	6
Granite Blank	29	<8	0.11	<10	29	<10	31	6
B0027201	36	<8	0.05	<10	72	<10	4186	<5
B0027202	16	<8	0.02	<10	45	<10	>10000	<5
B0027203	74	<8	0.07	<10	90	<10	1732	<5
B0027204	127	<8	0.01	<10	60	<10	222	<5
B0027205	190	<8	<0.01	<10	159	<10	619	<5
B0027206	22	<8	<0.01	<10	68	<10	1580	7
B0027206PD	22	<8	<0.01	<10	69	<10	1576	7
B0027207	144	<8	0.02	<10	579	<10	3996	5
B0027208	115	<8	0.08	<10	88	<10	267	<5
B0027209	39	<8	0.02	<10	104	<10	>10000	<5
B0027210	67	<8	0.02	<10	166	<10	5101	<5
B0027211	53	<8	0.06	<10	107	<10	>10000	<5
B0027212	84	<8	0.07	<10	71	<10	556	<5
B0027213	75	<8	0.07	<10	75	<10	759	<5
B0027214	171	<8	0.09	<10	109	<10	1421	<5
B0027215	94	<8	<0.01	<10	1	<10	4	<5
B0027216	97	<8	0.05	<10	126	<10	2793	<5
B0027217	8	<8	<0.01	14	30	<10	>10000	<5
B0027218	148	<8	0.11	10	120	<10	385	<5
B0027219	57	<8	0.09	<10	61	<10	833	<5
B0027220	93	<8	0.09	<10	71	<10	135	<5
B0027221	124	<8	0.10	<10	84	<10	1022	<5
B0027222	49	<8	0.05	<10	43	<10	>10000	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910271

Project Name: Dunwell
Job Received Date: 26-Nov-2019
Job Report Date: 04-Jan-2020
Report Version: Final

Sample ID	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0027223	123	<8	0.07	<10	80	<10	>10000	<5
B0027224	120	<8	0.09	<10	73	<10	99	<5
B0027225	217	<8	0.09	<10	89	<10	60	<5
B0027226	78	<8	0.09	<10	99	<10	948	<5
B0027227	87	<8	0.04	<10	59	<10	>10000	<5
B0027228	51	<8	0.01	<10	99	<10	955	<5
B0027229	196	<8	<0.01	<10	68	<10	6650	<5
B0027230	60	<8	<0.01	<10	78	<10	>10000	<5
B0027231	62	<8	0.01	<10	104	<10	2830	<5
B0027232	66	<8	0.01	<10	106	<10	2988	<5
B0027233	54	<8	0.05	<10	110	<10	239	<5
B0027234	414	<8	0.05	10	423	<10	90	<5
B0027235	93	<8	<0.01	<10	2	<10	14	<5
B0027236	97	<8	<0.01	<10	126	<10	2394	<5
B0027237	12	<8	<0.01	12	41	<10	>10000	<5
B0027238	128	<8	<0.01	<10	106	<10	5324	<5
B0027239	51	<8	<0.01	<10	35	<10	2730	<5
B0027240	175	<8	0.02	<10	25	23	810	16
B0027241	67	<8	<0.01	<10	42	<10	562	<5
B0027242	214	<8	0.02	11	154	<10	1019	<5
B0027243	248	<8	<0.01	<10	147	<10	127	<5
B0027244	202	<8	<0.01	12	107	<10	838	<5
B0027245	120	<8	0.13	<10	113	<10	112	<5
B0027246	149	<8	0.08	<10	95	<10	189	<5
B0027247	52	<8	<0.01	<10	39	<10	630	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910271**

Project Name: Dunwell
Job Received Date: 26-Nov-2019
Job Report Date: 04-Jan-2020
Report Version: Final

Sample ID	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
B0027248	114	<8	<0.01	<10	127	<10	511	<5
B0027249	74	<8	0.10	<10	70	<10	364	<5
B0027249PD	78	<8	0.10	<10	71	<10	398	<5
B0027250	68	<8	0.12	<10	91	<10	55	<5
B0027251	106	<8	0.09	<10	83	<10	299	<5
B0027252	97	<8	0.09	<10	89	<10	301	<5
B0027253	161	<8	<0.01	<10	58	<10	440	<5
B0027254	228	<8	<0.01	<10	83	<10	699	<5
B0027255	91	<8	<0.01	<10	<1	<10	1	<5
B0027256	157	<8	<0.01	<10	22	<10	3723	<5
B0027257	242	<8	0.02	<10	38	<10	206	<5
DUP B0027209								
DUP B0027256								
DUP B0027229	200	<8	<0.01	<10	67	<10	6624	<5
DUP B0027236								
STD BLANK								

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910271

Project Name: Dunwell
Job Received Date: 26-Nov-2019
Job Report Date: 04-Jan-2020
Report Version: Final

Sample ID	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
STD BLANK								
STD BLANK	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK								
STD BLANK								
STD OxK160								
STD OxQ90								
STD OREAS 601	36	<8	0.01	<10	10	<10	1299	24
STD CDN-ME-1805								
STD MP-1b								

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910276**

Project Name:	Dunwell
Job Received Date:	02-Dec-2019
Job Report Date:	17-Jan-2020
Number of Samples:	11
Report Version:	Final

COMMENTS:
Coarse gold may be present in some samples.

Test results reported relate to the tested samples only on an "as received" basis. Unless otherwise stated above, sufficient sample was received for the methods requested and all samples were received in acceptable condition. Analytical results in unsigned reports marked "provisional" are subject to change, pending final QC review and approval. The customer has not provided any information than can affect the validity of the test results. Please refer to MSALABS' Schedule of Services and Fees for our complete Terms and Conditions. Preliminary results are applicable when a portion of samples in a job is 100% completed and reported or 1 of a number of methods on the same job have been completed 100%. Results cannot change, but additional results or results for additional methods can be added.

SAMPLE PREPARATION	
METHOD CODE	DESCRIPTION
PRP-910	Dry, Crush to 70% passing 2mm, Split 250g, Pulverize to 85% passing 75µm
	Sample preparation performed by MS Analytical Terrace

ANALYTICAL METHODS	
METHOD CODE	DESCRIPTION
FAS-111	Au, Fire Assay, 30g fusion, AAS, Trace Level
FAS-415	Au, Fire Assay, 30g fusion, Gravimetric
ICF-6Ag	Ag, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICF-6Pb	Pb, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICF-6Zn	Zn, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICP-130	Multi-Element, 0.5g, 3:1 Aqua Regia, ICP-AES, Trace Level

Signature:

Yvette Hsi, BSc.
Laboratory Manager
MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910276

Project Name: Dunwell
Job Received Date: 02-Dec-2019
Job Report Date: 17-Jan-2020
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	FAS-415 Au ppm 0.05	ICF-6Ag Ag ppm 1	ICF-6Pb Pb % 0.01	ICF-6Zn Zn % 0.01	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10
Granite Blank	QC-P-BK	--		<0.005					<0.2	1.05	<2	<10
Granite Blank	QC-P-BK	--		<0.005					<0.2	1.01	<2	<10
B0027258	Core	1.14		0.010					2.9	1.88	45	<10
B0027259	Core	--		>10	11.26	144	6.55	6.01	>100	1.26	>10000	<10
B0027260	Pulp	0.08		3.885					20.3	3.19	14	<10
B0027261	Core	1.38		0.022					6.3	1.66	48	<10
B0027262	Core	1.40		0.259					10.2	1.61	413	<10
B0027262PD	QC-PD	--		0.196					10.1	1.56	397	<10
B0027263	Core	2.56		8.400		104	2.83	20.48	>100	0.54	835	<10
B0027264	Core	0.62		0.010					1.5	0.04	5	<10
B0027265	Core	2.90		>10	16.18	109	2.22	34.65	>100	0.16	915	<10
B0027266	Core	2.52		8.005				11.28	82.7	0.85	450	<10
B0027267	Core	2.54		6.492			1.83	19.81	94.0	1.01	493	<10
B0027268	Core	1.40		0.208				1.42	19.7	1.91	179	<10
DUP B0027258				<0.005								
DUP B0027265					15.70							
DUP B0027262									10.1	1.63	415	<10
STD BLANK				<0.005								
STD BLANK					<0.05							

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910276**

Project Name: Dunwell
Job Received Date: 02-Dec-2019
Job Report Date: 17-Jan-2020
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	FAS-415 Au ppm 0.05	ICF-6Ag Ag ppm 1	ICF-6Pb Pb % 0.01	ICF-6Zn Zn % 0.01	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10
STD BLANK									<0.2	<0.01	<2	<10
STD BLANK						<1	<0.01	<0.01				
STD OxD151				0.409								
STD OxQ90					25.30							
STD OREAS 24b									<0.2	3.13	9	<10
STD MP-1b						48	2.07	16.62				

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910276

Project Name: Dunwell
Job Received Date: 02-Dec-2019
Job Report Date: 17-Jan-2020
Report Version: Final

Sample ID	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01
Granite Blank	92	<0.5	<2	0.72	<0.5	5	163	7	2.00	<10	<1	0.13
Granite Blank	84	<0.5	<2	0.69	<0.5	4	152	7	1.96	<10	<1	0.12
B0027258	54	0.5	3	2.41	1.3	9	170	234	2.26	<10	<1	0.22
B0027259	19	<0.5	14	2.49	524.1	47	128	2076	8.84	13	<1	0.18
B0027260	100	<0.5	<2	2.20	1.2	19	157	336	3.28	11	<1	0.18
B0027261	33	<0.5	<2	4.90	22.4	11	115	75	3.11	<10	<1	0.13
B0027262	23	<0.5	7	3.74	20.3	13	154	286	5.57	11	<1	0.16
B0027262PD	22	<0.5	7	3.62	19.7	14	181	253	5.42	11	<1	0.15
B0027263	<10	<0.5	55	1.80	1782.5	48	111	2056	10.67	13	<1	0.11
B0027264	<10	<0.5	<2	>25	5.9	<1	17	6	0.22	<10	<1	<0.01
B0027265	<10	<0.5	<2	1.51	>2000	41	81	3006	12.51	15	<1	0.02
B0027266	<10	<0.5	44	0.57	970.8	35	218	2801	7.47	12	<1	0.02
B0027267	14	<0.5	30	0.62	1761.9	31	137	1859	9.16	14	<1	0.13
B0027268	36	<0.5	3	2.47	130.0	10	99	649	4.86	11	<1	0.37
DUP B0027258												
DUP B0027265												
DUP B0027262	24	<0.5	7	3.72	20.6	13	156	285	5.59	<10	<1	0.17
STD BLANK												
STD BLANK												

***Please refer to the cover page for comments regarding this test report. ***

MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910276

Project Name: Dunwell
Job Received Date: 02-Dec-2019
Job Report Date: 17-Jan-2020
Report Version: Final

Sample ID	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01
STD BLANK	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<1	<0.01
STD BLANK												
STD OxD151												
STD OxQ90												
STD OREAS 24b	151	1.6	<2	0.46	<0.5	15	106	37	3.95	15	<1	1.17
STD MP-1b												

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910276

Project Name:	Dunwell
Job Received Date:	02-Dec-2019
Job Report Date:	17-Jan-2020
Report Version:	Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
Sample ID	10	0.01	5	1	0.01	1	10	2	0.01	2	2	1
Granite Blank	<10	0.58	560	1	0.15	5	439	4	0.02	<2	4	33
Granite Blank	<10	0.57	547	1	0.14	4	417	<2	0.01	<2	4	31
B0027258	<10	0.78	681	3	0.18	87	531	147	1.00	4	6	48
B0027259	<10	0.76	1501	<1	<0.01	104	420	>10000	>10	58	3	39
B0027260	<10	1.69	487	7	0.38	179	349	228	0.12	6	4	83
B0027261	<10	1.51	2121	2	0.01	86	610	1061	0.80	6	5	91
B0027262	<10	1.44	3017	5	<0.01	82	1037	2475	3.61	<2	5	63
B0027262PD	<10	1.41	2812	5	<0.01	81	1037	2507	3.49	3	5	61
B0027263	<10	0.33	1612	3	<0.01	53	279	>10000	>10	18	<2	61
B0027264	<10	0.13	15100	9	<0.01	<1	<10	332	0.09	<2	<2	1166
B0027265	<10	0.12	1869	<1	<0.01	67	55	>10000	>10	22	<2	31
B0027266	<10	0.58	1110	1	<0.01	56	588	9020	>10	<2	<2	16
B0027267	<10	0.60	1547	<1	<0.01	44	572	>10000	>10	12	<2	18
B0027268	<10	1.07	2721	7	0.01	63	1012	7463	3.06	<2	5	41
DUP B0027258												
DUP B0027265												
DUP B0027262	<10	1.44	3031	5	<0.01	82	1044	2461	3.64	<2	5	63
STD BLANK												
STD BLANK												

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910276

Project Name: Dunwell
Job Received Date: 02-Dec-2019
Job Report Date: 17-Jan-2020
Report Version: Final

Sample ID	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1
STD BLANK	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<2	<1
STD BLANK												
STD OxD151												
STD OxQ90												
STD OREAS 24b	18	1.35	348	4	0.11	56	635	13	0.20	<2	10	29
STD MP-1b												

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910276

Project Name: Dunwell
Job Received Date: 02-Dec-2019
Job Report Date: 17-Jan-2020
Report Version: Final

Sample ID	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
Granite Blank	<8	0.10	<10	32	<10	45	6
Granite Blank	<8	0.10	<10	31	<10	29	6
B0027258	<8	0.09	<10	84	<10	119	<5
B0027259	<8	0.04	<10	59	<10	>10000	<5
B0027260	<8	0.09	<10	66	<10	139	<5
B0027261	<8	0.08	<10	95	<10	1639	<5
B0027262	<8	<0.01	<10	94	<10	2100	<5
B0027262PD	<8	<0.01	<10	92	<10	2016	<5
B0027263	<8	<0.01	<10	36	<10	>10000	<5
B0027264	<8	<0.01	10	4	<10	495	<5
B0027265	<8	<0.01	10	14	<10	>10000	<5
B0027266	<8	0.01	<10	53	<10	>10000	<5
B0027267	<8	0.01	<10	47	<10	>10000	<5
B0027268	<8	0.02	<10	83	<10	>10000	<5
DUP B0027258							
DUP B0027265							
DUP B0027262	<8	<0.01	<10	95	<10	2099	<5
STD BLANK							
STD BLANK							

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910276

Project Name: Dunwell
Job Received Date: 02-Dec-2019
Job Report Date: 17-Jan-2020
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Th	Ti	Tl	V	W	Zn	Zr
	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample ID	8	0.01	10	1	10	1	5
STD BLANK	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK							
STD OxD151							
STD OxQ90							
STD OREAS 24b	12	0.20	<10	79	<10	102	28
STD MP-1b							

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910277**

Project Name:	Dunwell
Job Received Date:	02-Dec-2019
Job Report Date:	31-Dec-2019
Number of Samples:	5
Report Version:	Final

COMMENTS:

Test results reported relate to the tested samples only on an "as received" basis. Unless otherwise stated above, sufficient sample was received for the methods requested and all samples were received in acceptable condition. Analytical results in unsigned reports marked "provisional" are subject to change, pending final QC review and approval. The customer has not provided any information than can affect the validity of the test results. Please refer to MSALABS' Schedule of Services and Fees for our complete Terms and Conditions. Preliminary results are applicable when a portion of samples in a job is 100% completed and reported or 1 of a number of methods on the same job have been completed 100%. Results cannot change, but additional results or results for additional methods can be added.

SAMPLE PREPARATION	
METHOD CODE	DESCRIPTION
PRP-910	Dry, Crush to 70% passing 2mm, Split 250g, Pulverize to 85% passing 75µm
	Sample preparation performed by MS Analytical Terrace

ANALYTICAL METHODS	
METHOD CODE	DESCRIPTION
FAS-111	Au, Fire Assay, 30g fusion, AAS, Trace Level
FAS-415	Au, Fire Assay, 30g fusion, Gravimetric
ICF-6Ag	Ag, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICF-6Cu	Cu, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICF-6Pb	Pb, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICF-6Zn	Zn, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICP-130	Multi-Element, 0.5g, 3:1 Aqua Regia, ICP-AES, Trace Level

Signature: Yvette Hsi

Yvette Hsi, BSc.
Laboratory Manager
MSALABS

MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910277

Project Name: Dunwell
Job Received Date: 02-Dec-2019
Job Report Date: 31-Dec-2019
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	FAS-415 Au ppm 0.05	ICF-6Ag Ag ppm 1	ICF-6Cu Cu % 0.001	ICF-6Pb Pb % 0.01	ICF-6Zn Zn % 0.01	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2
Granite Blank	QC-P-BK	--		<0.005						<0.2	1.00	<2
Granite Blank	QC-P-BK	--		<0.005						0.3	0.96	<2
B0027269	Core	1.26		0.168						8.3	1.71	225
B0027270	Core	1.81		0.552						20.3	1.42	298
B0027271	Core	1.22		>10	15.30	185	2.874	2.87	14.47	>100	1.06	1776
B0027272	Core	1.40		0.044						11.3	1.86	87
B0027272PD	QC-PD	--		0.038						11.8	1.94	85
B0027273	Core	--		0.040						11.7	1.93	63
DUP B0027269				0.178								
STD BLANK				<0.005								
STD BLANK					<0.05							
STD BLANK										<0.2	<0.01	<2
STD BLANK						<1	<0.001	<0.01	<0.01			
STD OxJ120				2.359								
STD OxQ90					25.30							
STD OREAS 24b										<0.2	3.13	9
STD MP-1b						48	3.089	2.07	16.62			

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910277

Project Name: Dunwell
Job Received Date: 02-Dec-2019
Job Report Date: 31-Dec-2019
Report Version: Final

Sample ID	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1
Granite Blank	<10	77	<0.5	2	0.72	<0.5	4	149	5	1.93	<10	<1
Granite Blank	<10	74	<0.5	<2	0.68	<0.5	5	161	6	1.90	<10	<1
B0027269	<10	41	<0.5	4	4.55	25.3	27	103	692	5.48	<10	<1
B0027270	<10	48	<0.5	27	3.60	33.1	41	93	1576	4.64	<10	<1
B0027271	<10	22	<0.5	90	5.27	1267.0	44	83	>10000	8.70	14	<1
B0027272	<10	44	<0.5	3	5.41	16.9	11	151	272	2.42	<10	<1
B0027272PD	<10	43	<0.5	<2	5.48	21.0	11	149	312	2.49	<10	<1
B0027273	<10	46	<0.5	4	5.48	19.0	11	153	281	2.44	<10	<1
DUP B0027269												
STD BLANK												
STD BLANK												
STD BLANK	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10	<1
STD BLANK												
STD OxJ120												
STD OxQ90												
STD OREAS 24b	<10	151	1.6	<2	0.46	<0.5	15	106	37	3.95	15	<1
STD MP-1b												

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910277

Project Name:	Dunwell
Job Received Date:	02-Dec-2019
Job Report Date:	31-Dec-2019
Report Version:	Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
Sample ID	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	2
Granite Blank	0.13	<10	0.50	530	<1	0.14	4	428	3	0.01	<2	4
Granite Blank	0.12	<10	0.51	529	<1	0.13	5	426	3	0.02	<2	3
B0027269	0.24	<10	0.91	2238	2	<0.01	112	415	396	3.87	3	3
B0027270	0.28	<10	0.83	1668	3	0.01	90	482	1894	3.73	3	3
B0027271	0.17	<10	0.57	4935	<1	<0.01	118	265	>10000	>10	4	3
B0027272	0.23	<10	1.39	1863	5	0.01	79	1082	2388	0.77	27	5
B0027272PD	0.24	<10	1.45	1920	5	0.01	78	1072	2543	0.80	30	5
B0027273	0.26	<10	1.41	1845	5	0.01	77	1048	2913	0.78	25	6
DUP B0027269												
STD BLANK												
STD BLANK												
STD BLANK	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<2
STD BLANK												
STD OxJ120												
STD OxQ90												
STD OREAS 24b	1.17	18	1.35	348	4	0.11	56	635	13	0.20	<2	10
STD MP-1b												

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910277

Project Name: Dunwell
Job Received Date: 02-Dec-2019
Job Report Date: 31-Dec-2019
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Sr	Th	Ti	Tl	V	W	Zn	Zr
	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample ID	1	8	0.01	10	1	10	1	5
Granite Blank	28	<8	0.11	<10	29	<10	33	6
Granite Blank	26	<8	0.10	<10	28	<10	45	6
B0027269	62	<8	0.03	<10	62	<10	2753	<5
B0027270	42	<8	0.06	<10	56	<10	3825	<5
B0027271	90	<8	0.03	14	37	<10	>10000	7
B0027272	72	<8	0.13	<10	91	<10	1624	<5
B0027272PD	73	<8	0.13	<10	93	<10	2001	<5
B0027273	73	<8	0.13	<10	92	<10	1786	<5
DUP B0027269								
STD BLANK								
STD BLANK								
STD BLANK	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK								
STD OxJ120								
STD OxQ90								
STD OREAS 24b	29	12	0.20	<10	79	<10	102	28
STD MP-1b								

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910279**

Project Name:	Dunwell
Job Received Date:	04-Dec-2019
Job Report Date:	14-Jan-2020
Number of Samples:	15
Report Version:	Final

COMMENTS:

Coarse gold may be present in some samples.

Test results reported relate to the tested samples only on an “as received” basis. Unless otherwise stated above, sufficient sample was received for the methods requested and all samples were received in acceptable condition. Analytical results in unsigned reports marked "provisional" are subject to change, pending final QC review and approval. The customer has not provided any information than can affect the validity of the test results. Please refer to MSALABS' Schedule of Services and Fees for our complete Terms and Conditions. Preliminary results are applicable when a portion of samples in a job is 100% completed and reported or 1 of a number of methods on the same job have been completed 100%. Results cannot change, but additional results or results for additional methods can be added.

SAMPLE PREPARATION	
METHOD CODE	DESCRIPTION
PRP-910	Dry, Crush to 70% passing 2mm, Split 250g, Pulverize to 85% passing 75µm
	Sample preparation performed by MS Analytical Terrace

ANALYTICAL METHODS	
METHOD CODE	DESCRIPTION
FAS-111	Au, Fire Assay, 30g fusion, AAS, Trace Level
ICF-6Ag	Ag, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICF-6Pb	Pb, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICF-6Zn	Zn, 0.2g, 4-Acid, ICP-AES, Ore Grade
ICP-130	Multi-Element, 0.5g, 3:1 Aqua Regia, ICP-AES, Trace Level

Signature:

Yvette Hsi, BSc.
Laboratory Manager
MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910279

Project Name: Dunwell
Job Received Date: 04-Dec-2019
Job Report Date: 14-Jan-2020
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg 0.01	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICF-6Ag Ag ppm 1	ICF-6Pb Pb % 0.01	ICF-6Zn Zn % 0.01	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2
Granite Blank	QC-P-BK	--		<0.005				<0.2	1.06	<2	<10	76	<0.5	2
Granite Blank	QC-P-BK	--		<0.005				0.3	0.99	3	<10	76	<0.5	<2
B0027274	Core	1.56		<0.005				5.9	1.14	58	<10	23	0.5	<2
B0027275	Core	1.02		<0.005				1.4	<0.01	<2	<10	12	<0.5	<2
B0027276	Core	2.64		3.332			2.58	27.9	1.49	647	<10	<10	<0.5	<2
B0027276PD	QC-PD	--		3.671			2.63	25.0	1.54	667	<10	10	<0.5	6
B0027277	Core	1.40		0.014				5.5	2.35	48	<10	<10	<0.5	<2
B0027278	Core	1.32		0.054				8.1	1.31	116	<10	49	<0.5	<2
B0027279	Core	2.96		6.572	338	14.15	2.59	>100	1.71	83	<10	48	<0.5	29
B0027280	Pulp	0.08		2.964				12.8	1.34	4471	<10	167	<0.5	<2
B0027281	Core	1.50		2.975			4.57	31.8	1.69	92	<10	50	<0.5	<2
B0027282	Core	2.74		0.534			2.83	17.8	1.41	201	<10	63	<0.5	<2
B0027283	Core	1.30		0.076				7.0	1.78	102	<10	78	<0.5	<2
B0027284	Core	1.34		<0.005				3.8	1.55	30	<10	45	<0.5	<2
B0027285	Core	2.92		0.151			2.11	22.1	1.16	78	<10	39	<0.5	4
B0027286	Core	1.40		0.061				5.7	1.64	103	<10	26	<0.5	<2
B0027287	Core	1.12		0.285				23.2	1.66	124	<10	80	<0.5	<2
B0027288	Core	1.30		1.669				27.5	0.89	610	<10	31	<0.5	12

***Please refer to the cover page for comments regarding this test report. ***

MSALABS

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT:	**YXT1910279**

Project Name: Dunwell
Job Received Date: 04-Dec-2019
Job Report Date: 14-Jan-2020
Report Version: Final

	Sample	PWE-100	Method	FAS-111	ICF-6Ag	ICF-6Pb	ICF-6Zn	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Type	Rec. Wt.	Analyte	Au	Ag	Pb	Zn	Ag	Al	As	B	Ba	Be	Bi
		kg	Units	ppm	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample ID		0.01	LOR	0.005	1	0.01	0.01	0.2	0.01	2	10	10	0.5	2
DUP B0027284								3.8	1.57	23	<10	46	<0.5	3
DUP B0027276				3.887										
STD BLANK								<0.2	<0.01	<2	<10	<10	<0.5	<2
STD BLANK				<0.005										
STD BLANK					<1	<0.01	<0.01							
STD OREAS 24b								<0.2	3.13	6	<10	160	1.6	4
STD OxJ120				2.392										
STD MP-1b							15.96							
STD CDN-ME-1407					245	4.09								

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910279

Project Name: Dunwell
Job Received Date: 04-Dec-2019
Job Report Date: 14-Jan-2020
Report Version: Final

Sample ID	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01
Granite Blank	0.72	<0.5	5	57	5	2.12	<10	<1	0.11	<10	0.60	588	2	0.12
Granite Blank	0.66	<0.5	5	62	5	1.94	<10	<1	0.12	<10	0.54	525	3	0.13
B0027274	3.71	<0.5	6	98	59	2.11	<10	<1	0.09	<10	1.39	1479	7	0.01
B0027275	>25	<0.5	<1	11	2	0.05	<10	<1	<0.01	<10	0.41	74	<1	0.01
B0027276	11.25	240.7	28	83	478	7.30	17	<1	0.07	<10	1.33	3301	3	<0.01
B0027276PD	11.44	245.7	28	92	459	7.68	15	<1	0.07	<10	1.36	3385	6	<0.01
B0027277	9.86	7.9	8	102	87	3.43	11	<1	0.01	<10	3.06	3125	4	<0.01
B0027278	6.21	67.9	11	85	137	2.73	<10	<1	0.18	<10	1.03	2533	8	<0.01
B0027279	1.84	252.4	13	37	1764	4.13	<10	<1	0.42	<10	0.83	1903	<1	<0.01
B0027280	2.68	8.2	13	26	79	8.63	13	<1	0.20	<10	0.86	448	6	0.02
B0027281	2.04	451.7	9	31	1278	4.15	<10	1	0.46	<10	0.72	2049	<1	<0.01
B0027282	2.01	276.1	14	35	444	4.47	<10	<1	0.47	<10	0.60	2632	<1	0.01
B0027283	5.30	27.7	16	26	88	4.01	<10	<1	0.49	<10	0.88	3628	2	0.01
B0027284	3.56	11.3	11	49	109	3.10	<10	<1	0.21	<10	0.99	1895	3	0.01
B0027285	0.81	202.4	13	73	278	2.68	<10	<1	0.32	<10	0.53	1301	2	0.01
B0027286	5.42	42.0	15	61	198	3.30	<10	<1	0.17	<10	1.32	3495	4	0.01
B0027287	5.17	99.8	17	47	153	4.19	10	<1	0.22	<10	1.20	1764	6	0.04
B0027288	3.09	9.1	15	46	73	4.96	<10	<1	0.27	<10	0.50	3022	8	<0.01

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910279

Project Name: Dunwell
Job Received Date: 04-Dec-2019
Job Report Date: 14-Jan-2020
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na
	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%
Sample ID	0.01	0.5	1	1	1	0.01	10	1	0.01	10	0.01	5	1	0.01
DUP B0027284	3.58	12.1	11	50	109	3.13	<10	<1	0.21	<10	0.99	1900	1	0.01
DUP B0027276														
STD BLANK	<0.01	<0.5	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01
STD BLANK														
STD BLANK														
STD OREAS 24b	0.46	<0.5	16	108	36	4.15	17	<1	1.18	16	1.35	350	6	0.11
STD OxJ120														
STD MP-1b														
STD CDN-ME-1407														

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910279

Project Name: Dunwell
Job Received Date: 04-Dec-2019
Job Report Date: 14-Jan-2020
Report Version: Final

	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	V	W	Zn	Zr
	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample ID	1	10	2	0.01	2	2	1	8	0.01	10	1	10	1	5
Granite Blank	4	493	9	0.03	<2	4	24	<8	0.10	<10	31	<10	39	<5
Granite Blank	6	427	<2	0.02	<2	3	25	<8	0.09	<10	28	<10	35	<5
B0027274	81	2425	224	0.53	11	4	79	<8	0.07	<10	105	<10	118	<5
B0027275	<1	15	<2	<0.01	<2	<2	87	<8	<0.01	<10	3	<10	2	<5
B0027276	74	1567	9858	7.13	7	4	265	<8	0.04	17	93	<10	>10000	<5
B0027276PD	80	1569	9461	7.55	<2	4	272	<8	0.04	<10	94	<10	>10000	<5
B0027277	68	1955	1293	0.25	12	5	227	<8	0.06	<10	159	<10	851	<5
B0027278	84	1137	2935	1.26	<2	4	104	<8	<0.01	<10	85	<10	6782	<5
B0027279	35	740	>10000	5.03	220	3	25	<8	<0.01	<10	53	<10	>10000	<5
B0027280	29	557	414	1.16	<2	2	169	<8	0.02	<10	24	18	786	13
B0027281	21	873	8998	3.95	3	3	28	<8	<0.01	<10	45	<10	>10000	<5
B0027282	28	764	3886	4.27	<2	2	71	<8	<0.01	<10	35	<10	>10000	<5
B0027283	30	918	2033	2.04	<2	3	88	<8	0.01	<10	47	<10	2674	<5
B0027284	53	642	603	0.86	<2	4	72	<8	0.04	<10	57	<10	1160	<5
B0027285	41	537	3665	2.22	7	3	32	<8	0.03	<10	38	12	>10000	<5
B0027286	77	739	1008	1.12	5	5	85	<8	0.06	<10	75	20	4004	<5
B0027287	75	1006	7777	2.37	7	4	139	<8	0.06	<10	69	<10	9355	<5
B0027288	39	856	340	4.30	<2	3	89	<8	<0.01	<10	31	<10	819	<5

***Please refer to the cover page for comments regarding this test report. ***

MSALABS
Unit 1, 20120 102nd Avenue
Langley, BC V1M 4B4
Phone: +1-604-888-0875

To: **American Creek Resources LTD**
Box 70 #92, 2nd Ave West
Cardston, Alberta, T0K 0K0
Canada

TEST REPORT: YXT1910279

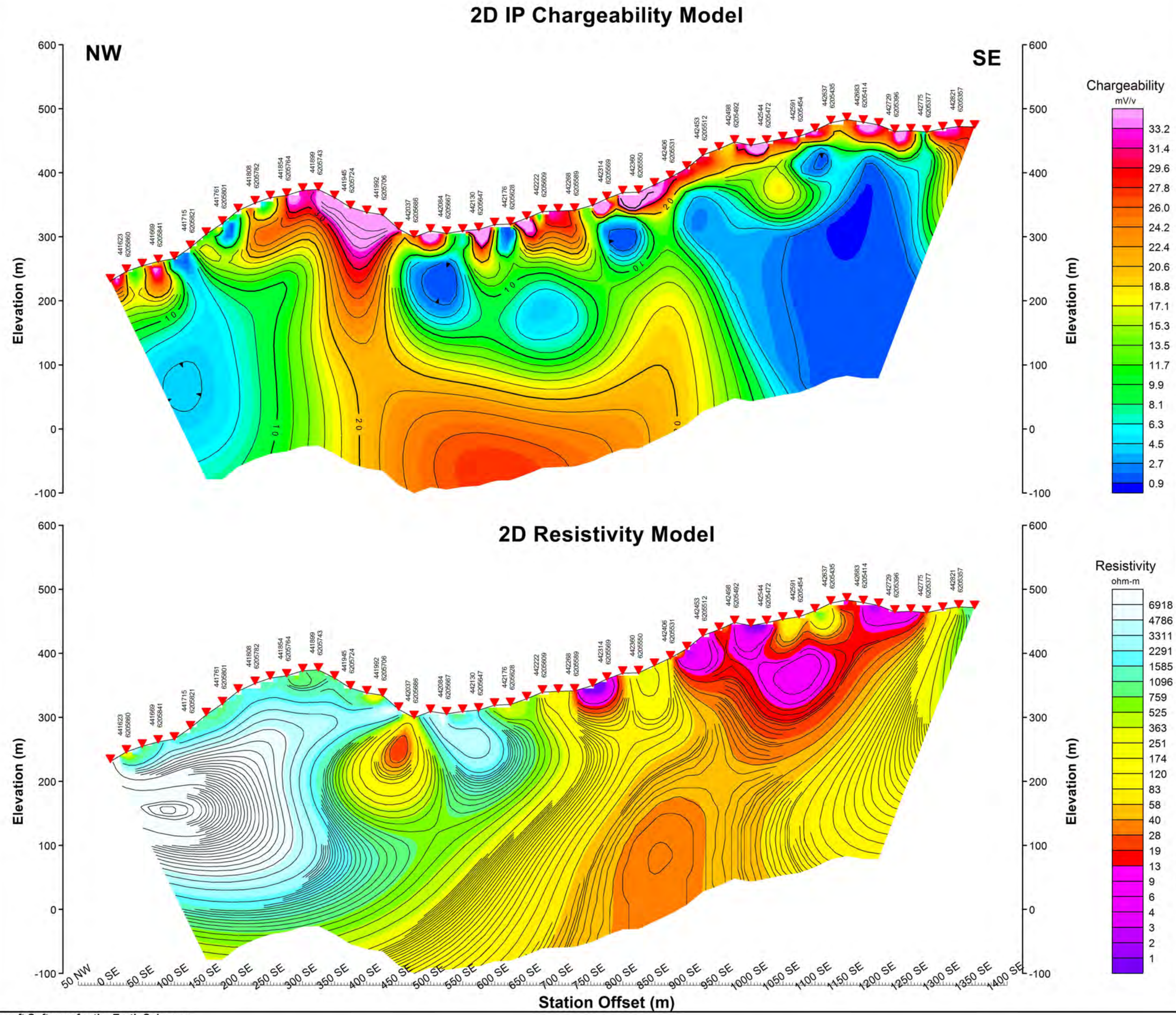
Project Name: Dunwell
Job Received Date: 04-Dec-2019
Job Report Date: 14-Jan-2020
Report Version: Final

Sample ID	ICP-130 Ni ppm 1	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
DUP B0027284	56	716	604	0.87	<2	4	71	20	0.04	<10	56	<10	1154	8
DUP B0027276														
STD BLANK	<1	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK														
STD BLANK														
STD OREAS 24b	58	660	7	0.20	<2	10	28	11	0.21	<10	83	17	99	25
STD OxJ120														
STD MP-1b														
STD CDN-ME-1407														

***Please refer to the cover page for comments regarding this test report. ***

APPENDIX III

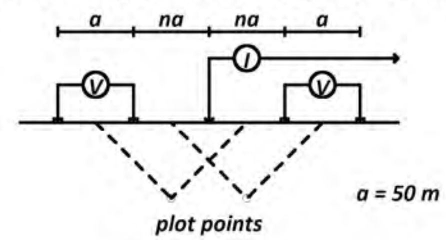
Alpha IP Pseudo Sections



Geosoft Software for the Earth Sciences

2D Inversion Section Plots
Line 0N

Simcoe's Dipole-Pole-Dipole Array



Survey Specifications

Alpha IP - a Wireless Time Domain Distributed IP System
Dipole Spacing: 50m, n =1-28
Generator: Honda MG 12A
Transmitter: Walcer TX KW10
Tx.Current/Freq.: 0.05-20 Amps./400Hz/3 Phase
V Input/output: 125V line to Neutral/100 - 3200V in 10 steps
Switching: 2 sec.,(1, 2, 4 & 8 sec. available)
Receiver: Alpha IP 2 Channel (13 Units)
Chargeability Windows: 20 Programmable
24 bit A/D converter per channel
Ground Resistance: Up to 1.6 Mohm
Signal Waveform: Time Domain (ON+, OFF, ON-, OFF)

Data Processing

Platform: Proprietary IP Post Processing / Oasis Montaj
Inversion Algorithm: UBC 2D DCIP, Model misfit, Max 100 iters

Data Plotting

Gridding: Min. Curvature, 10m Grid Cell Size
Contours: Resistivity 1 dec. log, Chargeability Linear
Color Zoning: Log (Resistivity.tbl), Linear (Color.tbl)

Scale 1:6000

100 0 100 200 300
(meters)

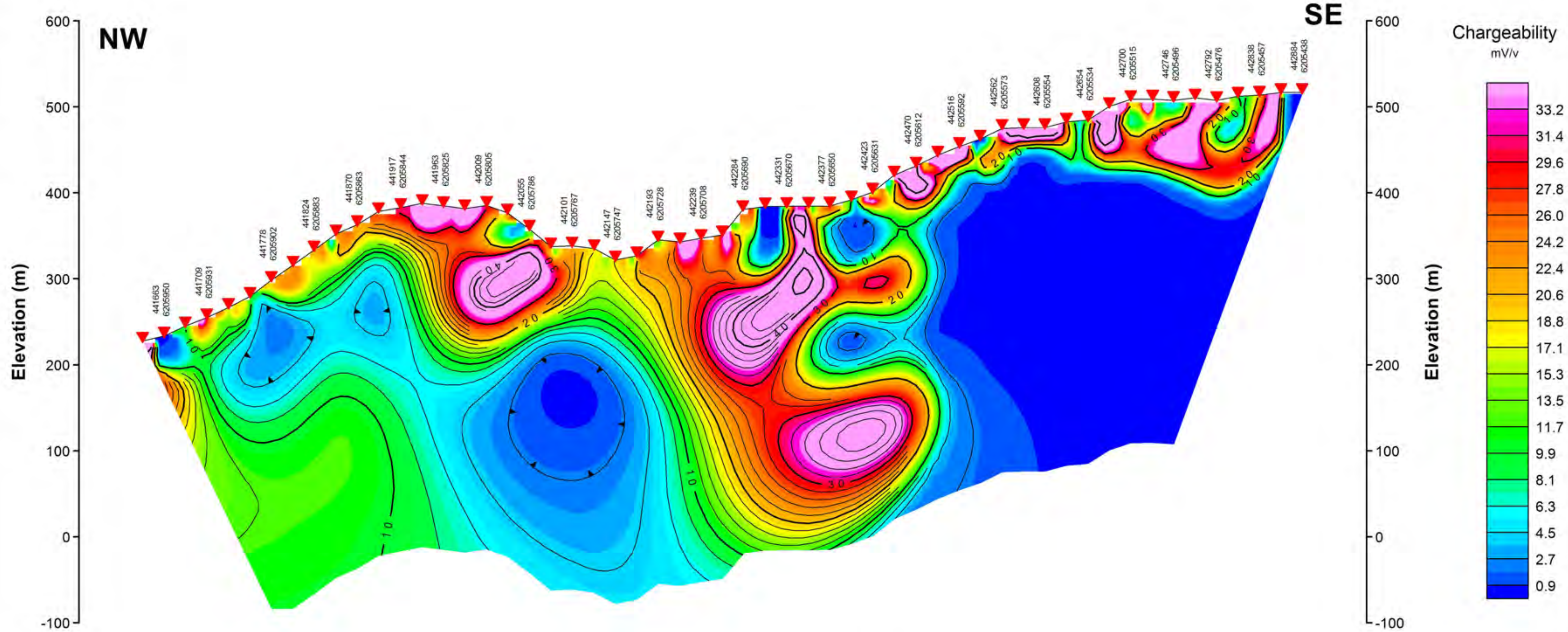
Amrican Creek Resoureces

ALPHA IP SURVEY
Dunwell Project, Stewart, BC
Line 0N

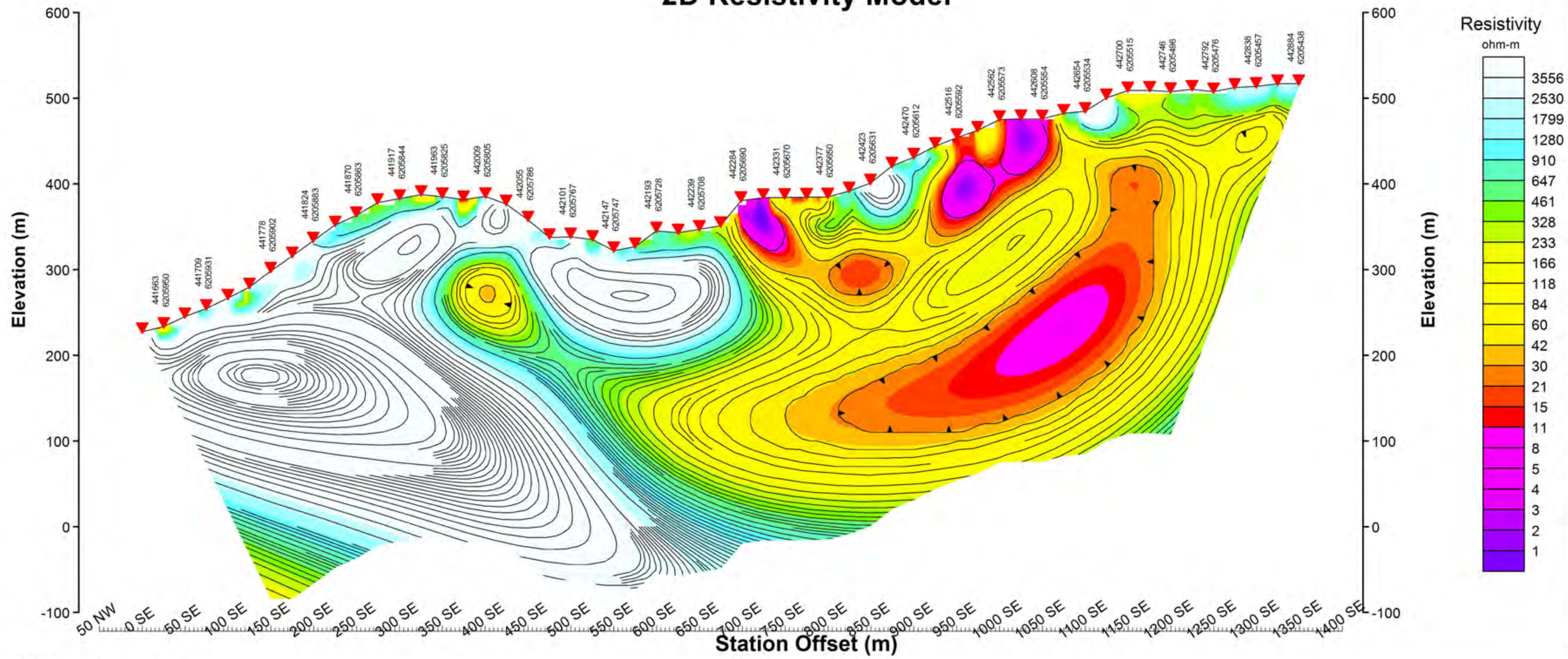
2D Inversion Section Plots
Date: 06/09/2019
Project # SGL-19041

Simcoe Geoscience Limited

2D IP Chargeability Model

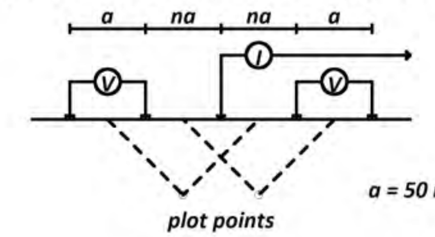


2D Resistivity Model



2D Inversion Section Plots
Line 100N

Simcoe's Dipole-Pole-Dipole Array



Survey Specifications

Alpha IP - a Wireless Time Domain Distributed IP System
Dipole Spacing: 50m, n =1-28
Generator: Honda MG 12A
Transmitter: Walcer TX KW10
Tx.Current/Freq.: 0.05-20 Amps./400Hz/3 Phase
V Input/output: 125V line to Neutral/100 - 3200V in 10 steps
Switching: 2 sec.,(1, 2, 4 & 8 sec. available)
Receiver: Alpha IP 2 Channel (13 Units)
Chargeability Windows: 20 Programmable
24 bit A/D converter per channel
Ground Resistance: Up to 1.6 Mohm
Signal Waveform: Time Domain (ON+, OFF, ON-, OFF)

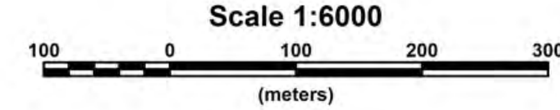
Data Processing

Platform: Proprietary IP Post Processing / Oasis Montaj
Inversion Algorithm: UBC 2D DCIP, Model misfit, Max 100 iters

Data Plotting

Gridding: Min. Curvature, 10m Grid Cell Size
Contours: Resistivity 1 dec. log, Chargeability Linear
Color Zoning: Log (Resistivity.tbl), Linear (Color.tbl)

Scale 1:6000



Amrican Creek Resoureces

ALPHA IP SURVEY
Dunwell Project, Stewart, BC
Line 100N

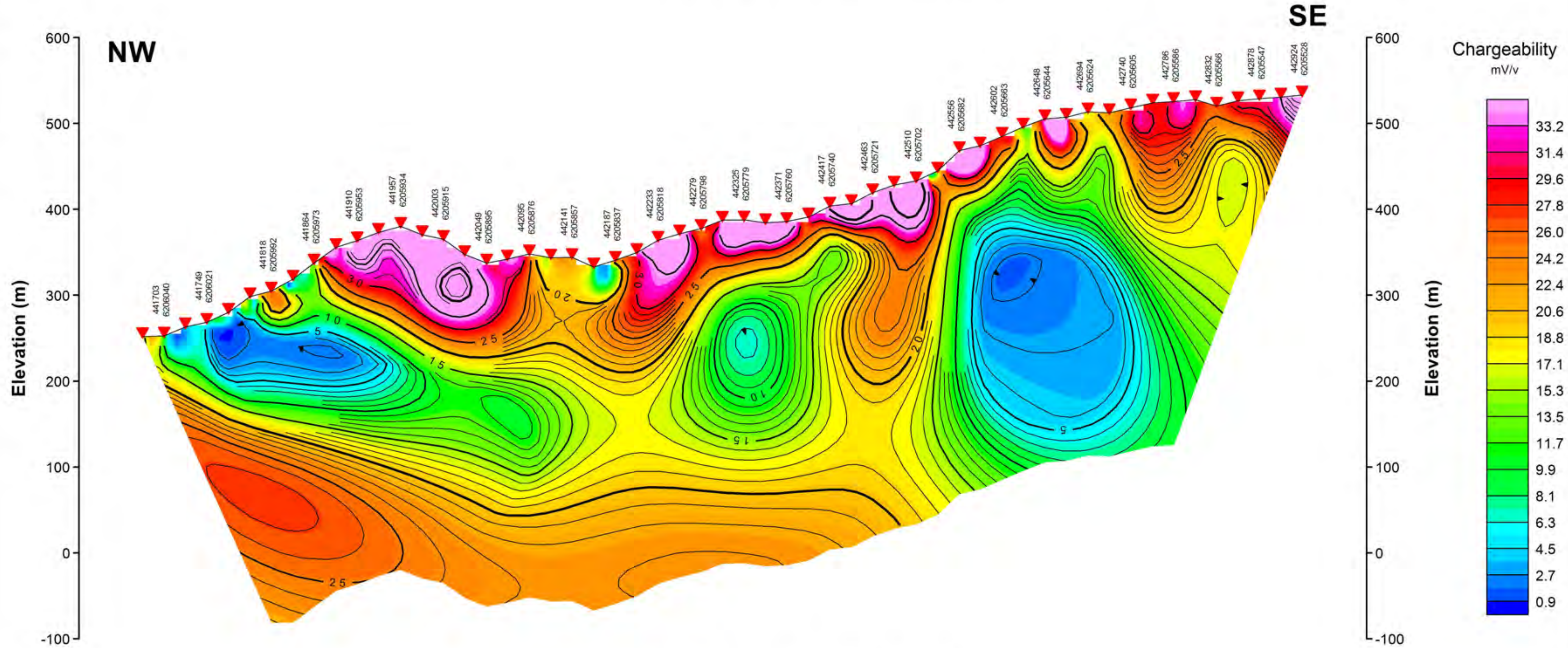
2D Inversion Section Plots
Date: 06/09/2019
Project # SGL-19041

Simcoe Geoscience Limited

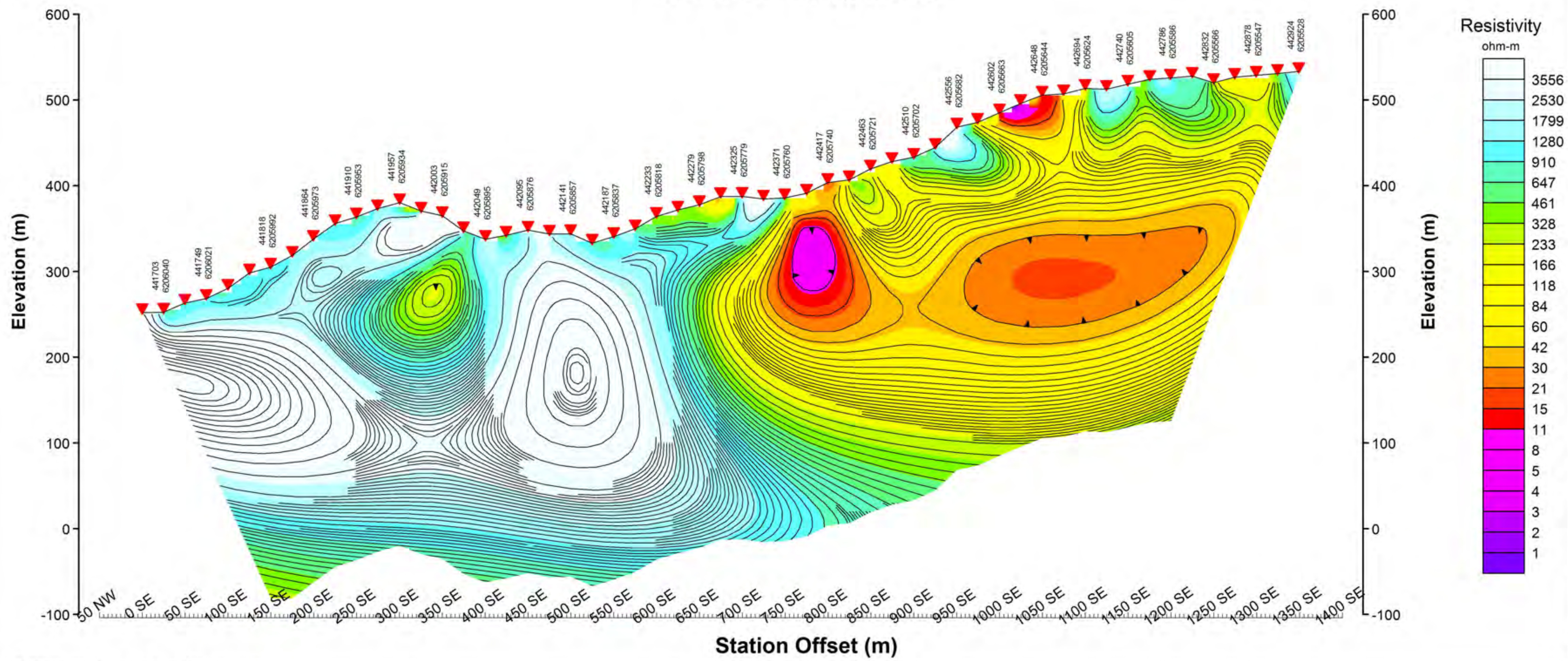
Geosoft Software for the Earth Sciences

2D Inversion Section Plots
Line 200N

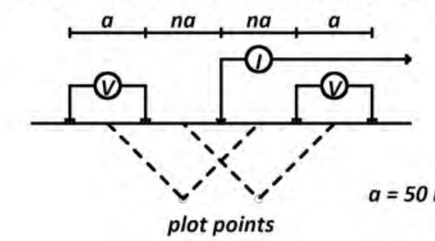
2D IP Chargeability Model



2D Resistivity Model



Simcoe's Dipole-Pole-Dipole Array



Survey Specifications

Alpha IP - a Wireless Time Domain Distributed IP System
Dipole Spacing: 50m, n =1-28
Generator: Honda MG 12A
Transmitter: Walcer TX KW10
Tx.Current/Freq.: 0.05-20 Amps./400Hz/3 Phase
V Input/output: 125V line to Neutral/100 - 3200V in 10 steps
Switching: 2 sec.,(1, 2, 4 & 8 sec. available)
Receiver: Alpha IP 2 Channel (13 Units)
Chargeability Windows: 20 Programmable
24 bit A/D converter per channel
Ground Resistance: Up to 1.6 Mohm
Signal Waveform: Time Domain (ON+, OFF, ON-, OFF)

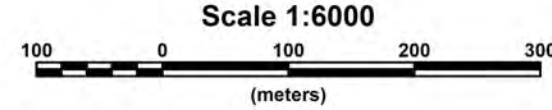
Data Processing

Platform: Proprietary IP Post Processing / Oasis Montaj
Inversion Algorithm: UBC 2D DCIP, Model misfit, Max 100 iters

Data Plotting

Gridding: Min. Curvature, 10m Grid Cell Size
Contours: Resistivity 1 dec. log, Chargeability Linear
Color Zoning: Log (Resistivity.tbl), Linear (Color.tbl)

Scale 1:6000



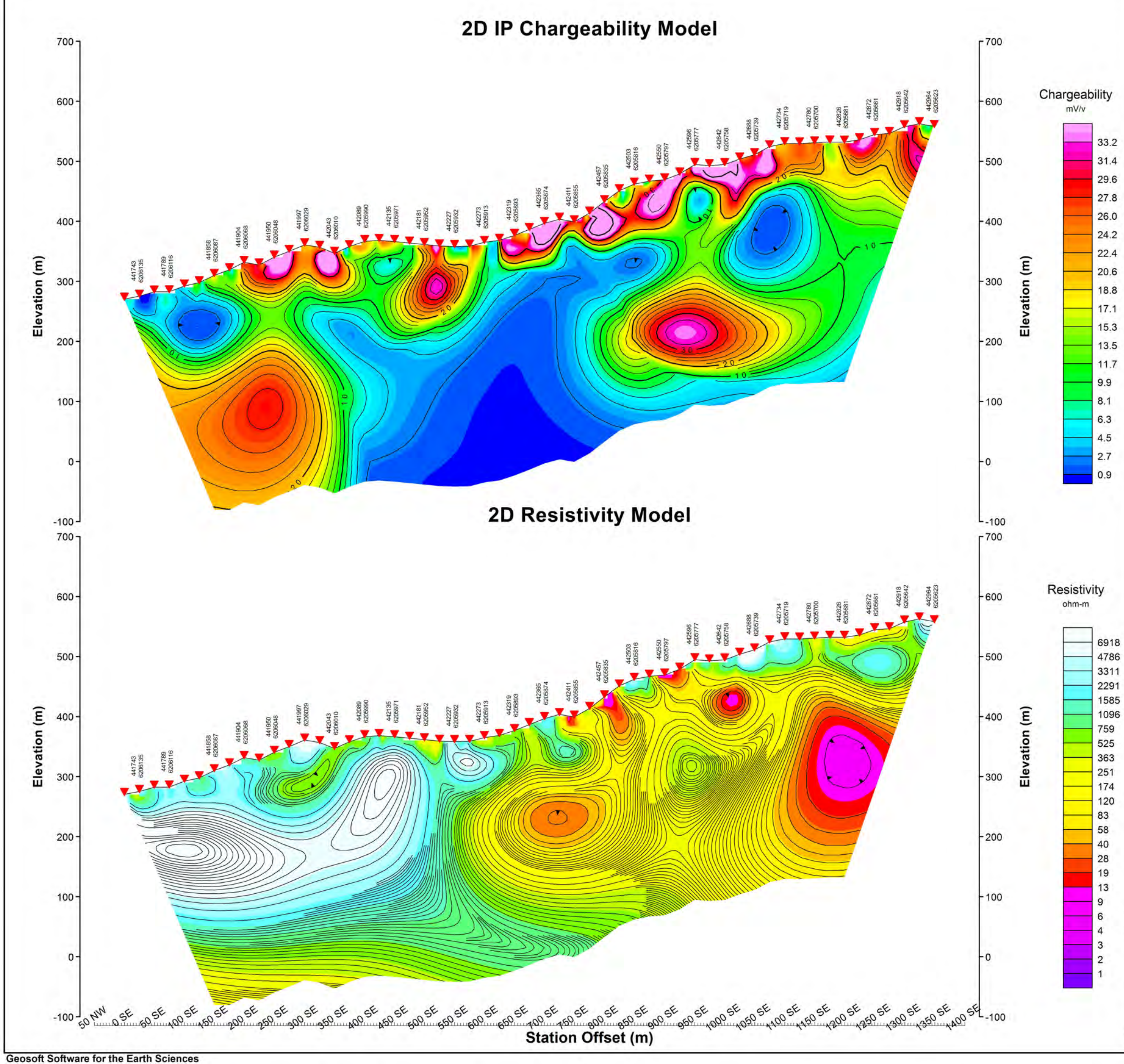
Amrican Creek Resoureces

ALPHA IP SURVEY
Dunwell Project, Stewart, BC
Line 200N

2D Inversion Section Plots
Date: 07/09/2019
Project # SGL-19041

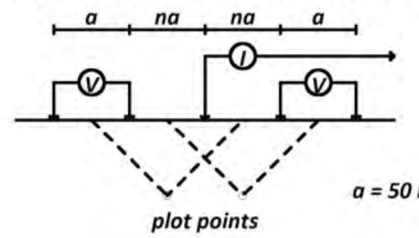
Simcoe Geoscience Limited

Geosoft Software for the Earth Sciences



2D Inversion Section Plots
Line 300N

Simcoe's Dipole-Pole-Dipole Array



Survey Specifications

Alpha IP - a Wireless Time Domain Distributed IP System
Dipole Spacing: 50m, n =1-28
Generator: Honda MG 12A
Transmitter: Walcer TX KW10
Tx.Current/Freq.: 0.05-20 Amps./400Hz/3 Phase
V Input/output: 125V line to Neutral/100 - 3200V in 10 steps
Switching: 2 sec.,(1, 2, 4 & 8 sec. available)
Receiver: Alpha IP 2 Channel (13 Units)
Chargeability Windows: 20 Programmable
24 bit A/D converter per channel
Ground Resistance: Up to 1.6 Mohm
Signal Waveform: Time Domain (ON+, OFF, ON-, OFF)

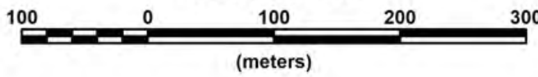
Data Processing

Platform: Proprietary IP Post Processing / Oasis Montaj
Inversion Algorithm: UBC 2D DCIP, Model misfit, Max 100 iters

Data Plotting

Gridding: Min. Curvature, 10m Grid Cell Size
Contours: Resistivity 1 dec. log, Chargeability Linear
Color Zoning: Log (Resistivity.tbl), Linear (Color.tbl)

Scale 1:6000

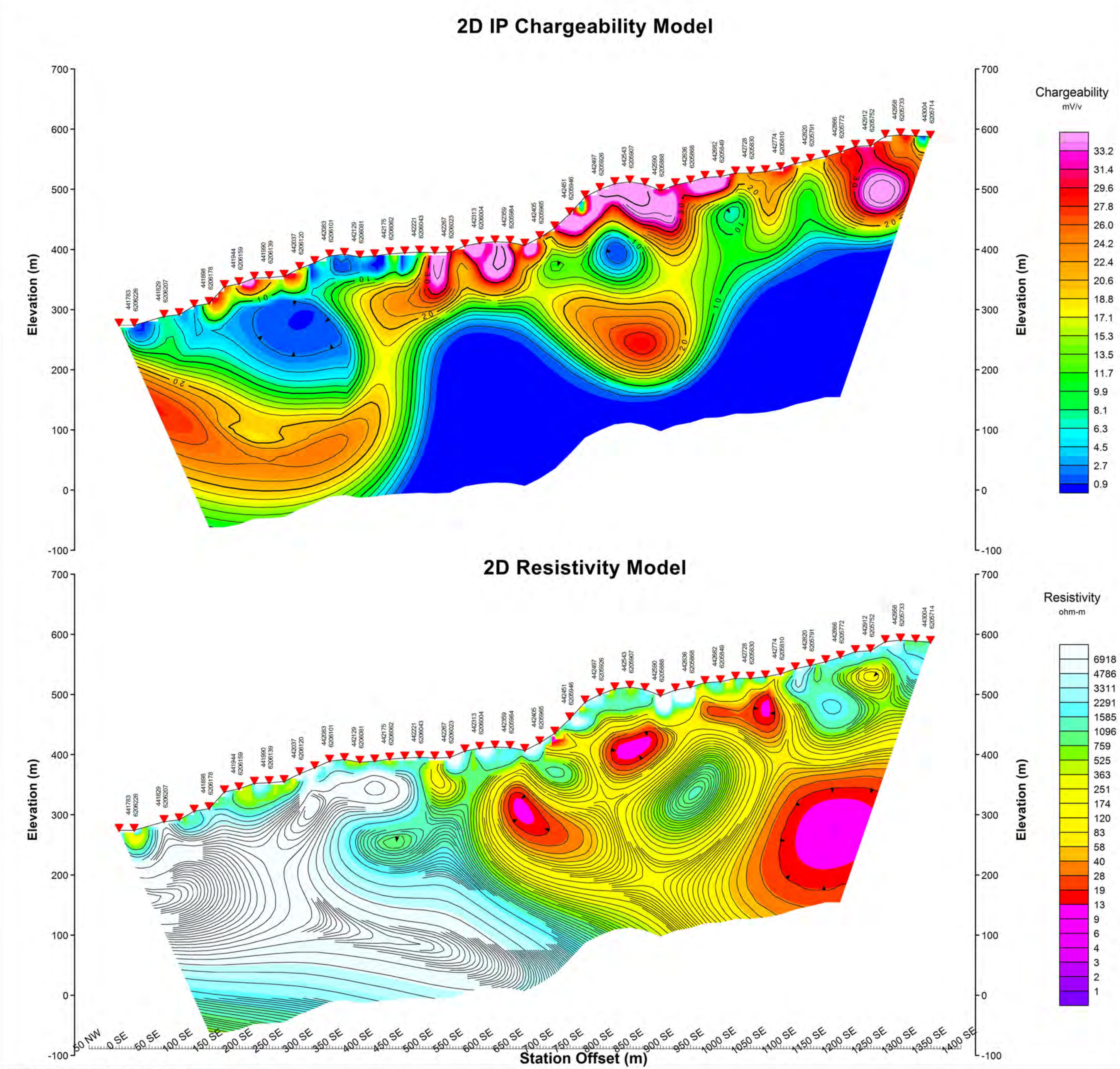


Amrican Creek Resoureces

ALPHA IP SURVEY
Dunwell Project, Stewart, BC
Line 300N

2D Inversion Section Plots
Date: 08/09/2019
Project # SGL-19041

Simcoe Geoscience Limited

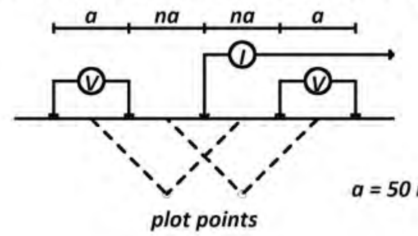


Geosoft Software for the Earth Sciences

2D Inversion Section Plots

Line 400N

Simcoe's Dipole-Pole-Dipole Array



Survey Specifications

Alpha IP - a Wireless Time Domain Distributed IP System
Dipole Spacing: 50m, n =1-28
Generator: Honda MG 12A
Transmitter: Walcer TX KW10
Tx.Current/Freq.: 0.05-20 Amps./400Hz/3 Phase
V Input/output: 125V line to Neutral/100 - 3200V in 10 steps
Switching: 2 sec.,(1, 2, 4 & 8 sec. available)
Receiver: Alpha IP 2 Channel (13 Units)
Chargeability Windows: 20 Programmable
24 bit A/D converter per channel
Ground Resistance: Up to 1.6 Mohm
Signal Waveform: Time Domain (ON+, OFF, ON-, OFF)

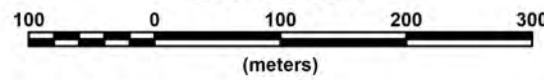
Data Processing

Platform: Proprietary IP Post Processing / Oasis Montaj
Inversion Algorithm: UBC 2D DCIP, Model misfit, Max 100 iters

Data Plotting

Gridding: Min. Curvature, 10m Grid Cell Size
Contours: Resistivity 1 dec. log, Chargeability Linear
Color Zoning: Log (Resistivity.tbl), Linear (Color.tbl)

Scale 1:6000



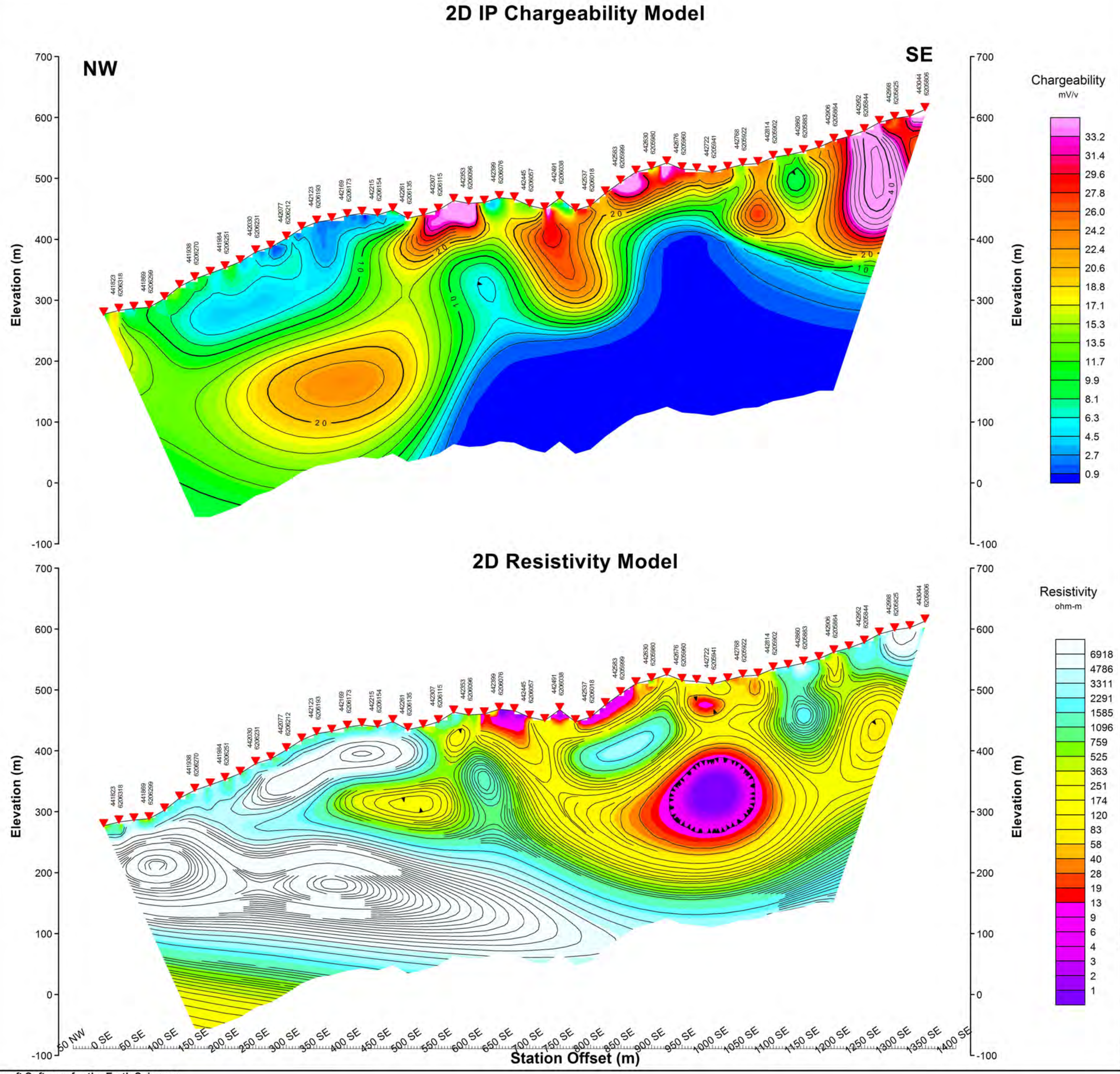
Amrican Creek Resoureces

ALPHA IP SURVEY
Dunwell Project, Stewart, BC
Line 400N

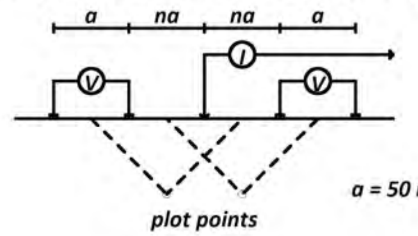
2D Inversion Section Plots
Date: 10/09/2019
Project # SGL-19041

Simcoe Geoscience Limited

2D Inversion Section Plots
Line 500N



Simcoe's Dipole-Pole-Dipole Array



Survey Specifications

Alpha IP - a Wireless Time Domain Distributed IP System
Dipole Spacing: 50m, n =1-28
Generator: Honda MG 12A
Transmitter: Walcer TX KW10
Tx.Current/Freq.: 0.05-20 Amps./400Hz/3 Phase
V Input/output: 125V line to Neutral/100 - 3200V in 10 steps
Switching: 2 sec.,(1, 2, 4 & 8 sec. available)
Receiver: Alpha IP 2 Channel (13 Units)
Chargeability Windows: 20 Programmable
24 bit A/D converter per channel
Ground Resistance: Up to 1.6 Mohm
Signal Waveform: Time Domain (ON+, OFF, ON-, OFF)

Data Processing

Platform: Proprietary IP Post Processing / Oasis Montaj
Inversion Algorithm: UBC 2D DCIP, Model misfit, Max 100 iters

Data Plotting

Gridding: Min. Curvature, 10m Grid Cell Size
Contours: Resistivity 1 dec. log, Chargeability Linear
Color Zoning: Log (Resistivity.tbl), Linear (Color.tbl)

Scale 1:6000

100 0 100 200 300
(meters)

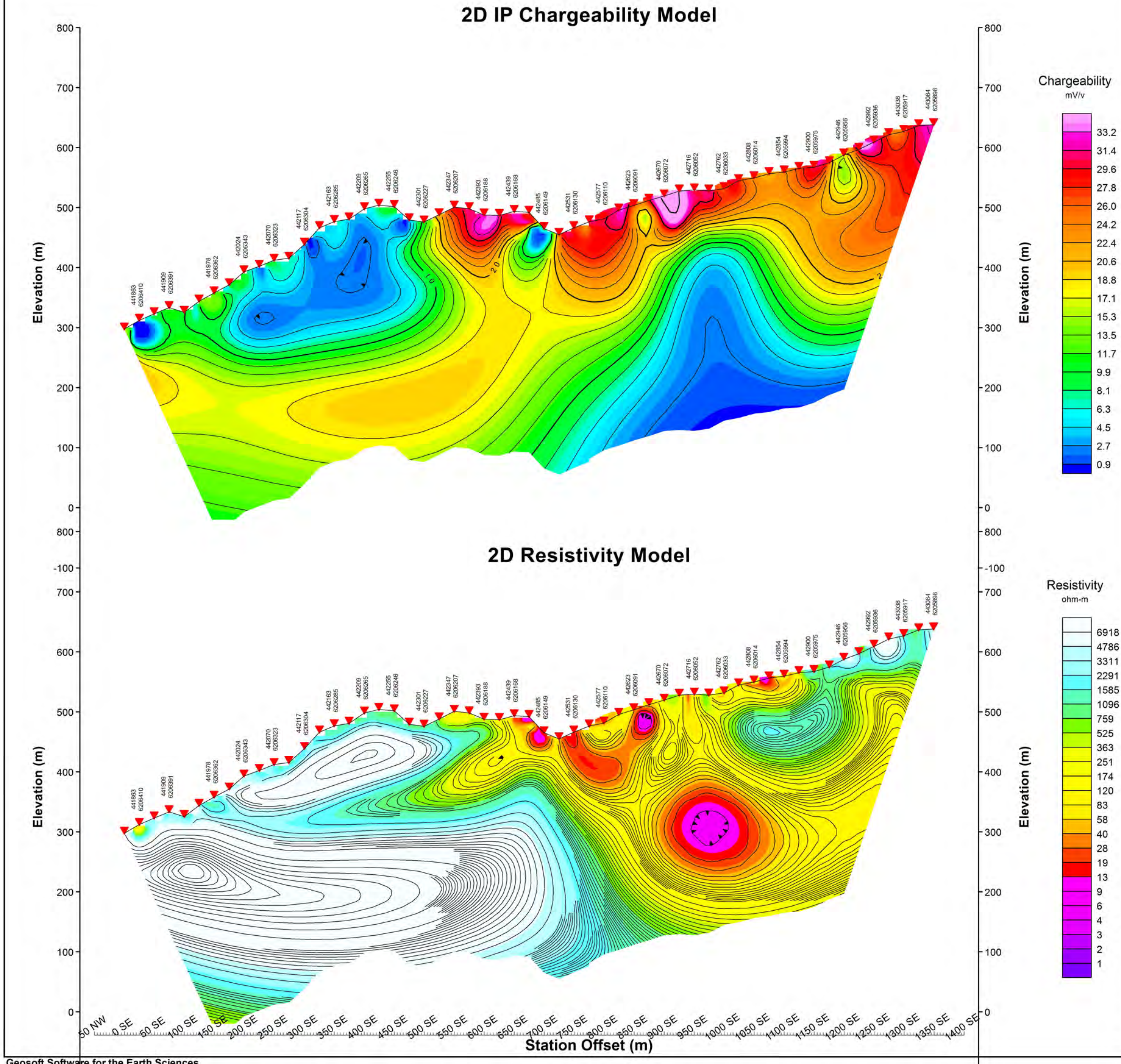
Amrican Creek Resoureces

ALPHA IP SURVEY
Dunwell Project, Stewart, BC
Line 500N

2D Inversion Section Plots
Date: 11/09/2019
Project # SGL-19041

Simcoe Geoscience Limited

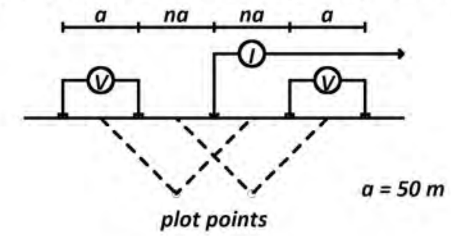
Geosoft Software for the Earth Sciences



2D Inversion Section Plots

Line 600N

Simcoe's Dipole-Pole-Dipole Array



Survey Specifications

Alpha IP - a Wireless Time Domain Distributed IP System
Dipole Spacing: 50m, n =1-28
Generator: Honda MG 12A
Transmitter: Walcer TX KW10
Tx.Current/Freq.: 0.05-20 Amps./400Hz/3 Phase
V Input/output: 125V line to Neutral/100 - 3200V in 10 steps
Switching: 2 sec.,(1, 2, 4 & 8 sec. available)
Receiver: Alpha IP 2 Channel (13 Units)
Chargeability Windows: 20 Programmable
24 bit A/D converter per channel
Ground Resistance: Up to 1.6 Mohm
Signal Waveform: Time Domain (ON+, OFF, ON-, OFF)

Data Processing

Platform: Proprietary IP Post Processing / Oasis Montaj
Inversion Algorithm: UBC 2D DCIP, Model misfit, Max 100 iters

Data Plotting

Gridding: Min. Curvature, 10m Grid Cell Size
Contours: Resistivity 1 dec. log, Chargeability Linear
Color Zoning: Log (Resistivity.tbl), Linear (Color.tbl)

Scale 1:6000

100 0 100 200 300
(meters)

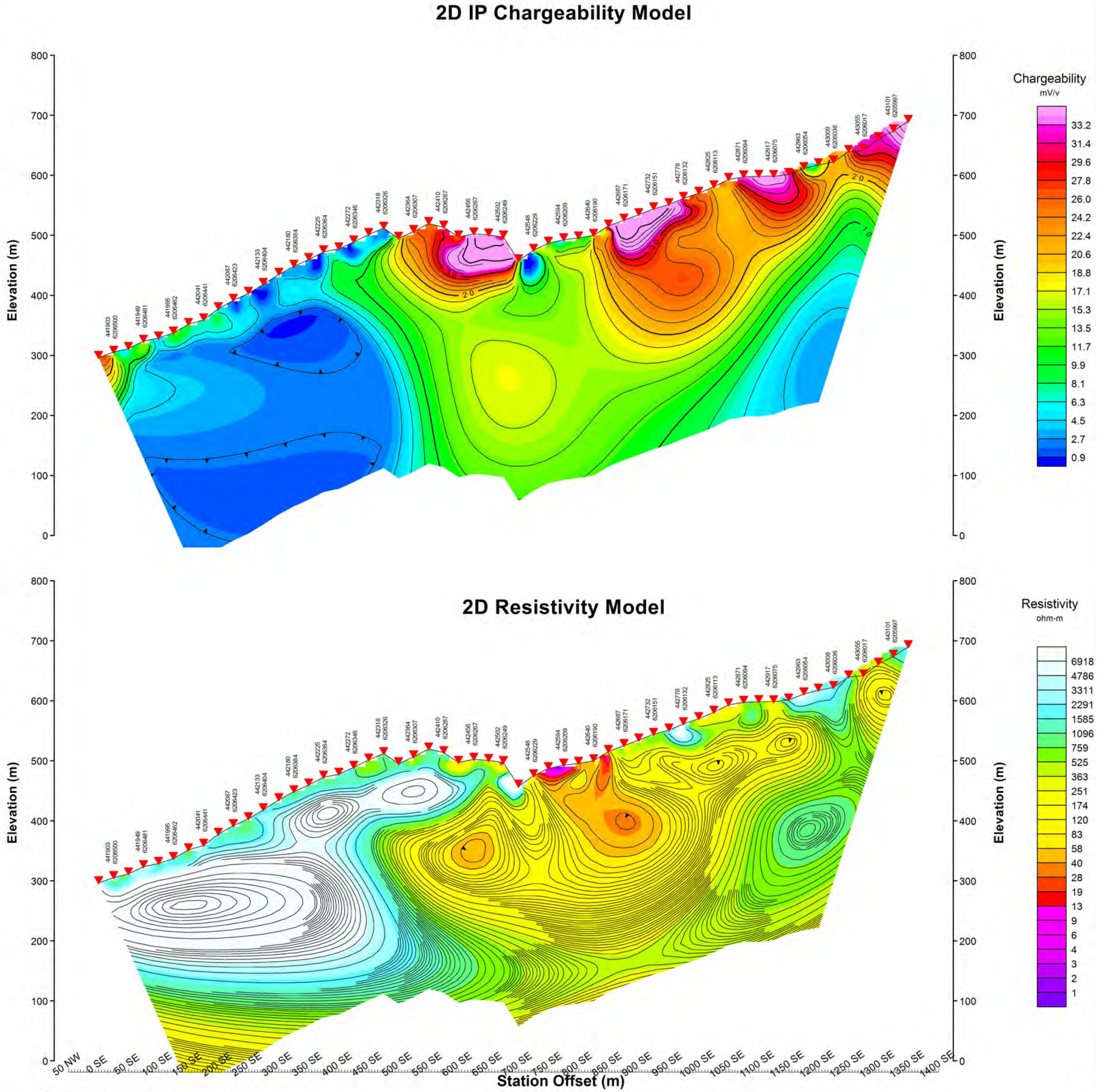
Amrican Creek Resoureces

ALPHA IP SURVEY
Dunwell Project, Stewart, BC
Line 600N

2D Inversion Section Plots
Date: 12/09/2019
Project # SGL-19041

Simcoe Geoscience Limited

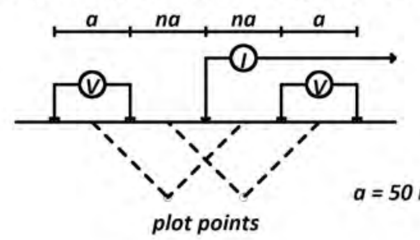
Geosoft Software for the Earth Sciences



Geosoft Software for the Earth Sciences

2D Inversion Section Plots
Line 700N

Simcoe's Dipole-Pole-Dipole Array



Survey Specifications

Alpha IP - a Wireless Time Domain Distributed IP System
Dipole Spacing: 50m, n =1-28
Generator: Honda MG 12A
Transmitter: Walcer TX KW10
Tx.Current/Freq.: 0.05-20 Amps./400Hz/3 Phase
V Input/output: 125V line to Neutral/100 - 3200V in 10 steps
Switching: 2 sec.,(1, 2, 4 & 8 sec. available)
Receiver: Alpha IP 2 Channel (13 Units)
Chargeability Windows: 20 Programmable
24 bit A/D converter per channel
Ground Resistance: Up to 1.6 Mohm
Signal Waveform: Time Domain (ON+, OFF, ON-, OFF)

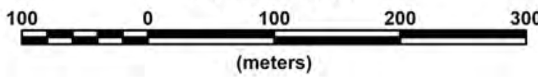
Data Processing

Platform: Proprietary IP Post Processing / Oasis Montaj
Inversion Algorithm: UBC 2D DCIP, Model misfit, Max 100 iters

Data Plotting

Gridding: Min. Curvature, 10m Grid Cell Size
Contours: Resistivity 1 dec. log, Chargeability Linear
Color Zoning: Log (Resistivity.tbl), Linear (Color.tbl)

Scale 1:6000

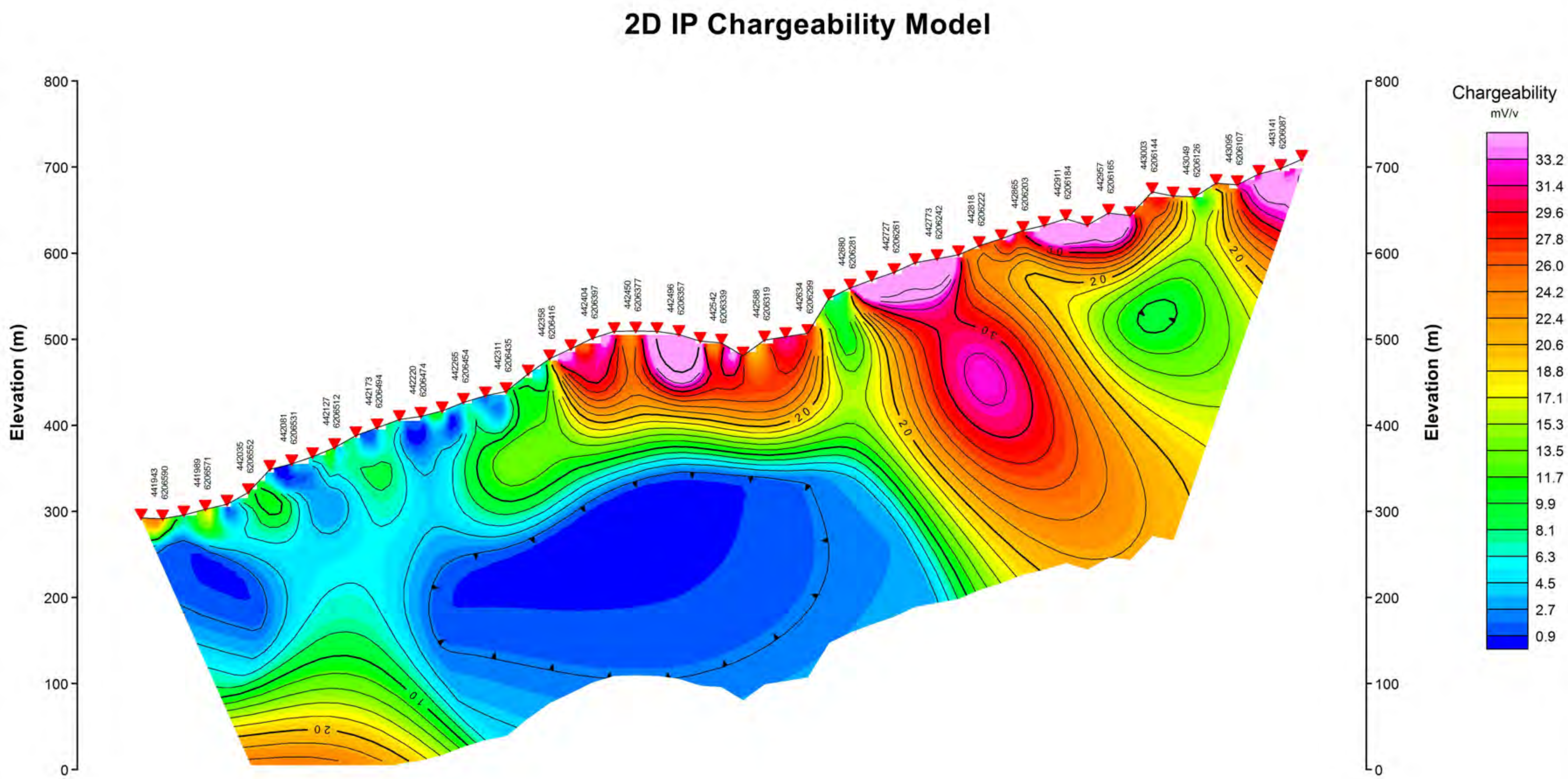


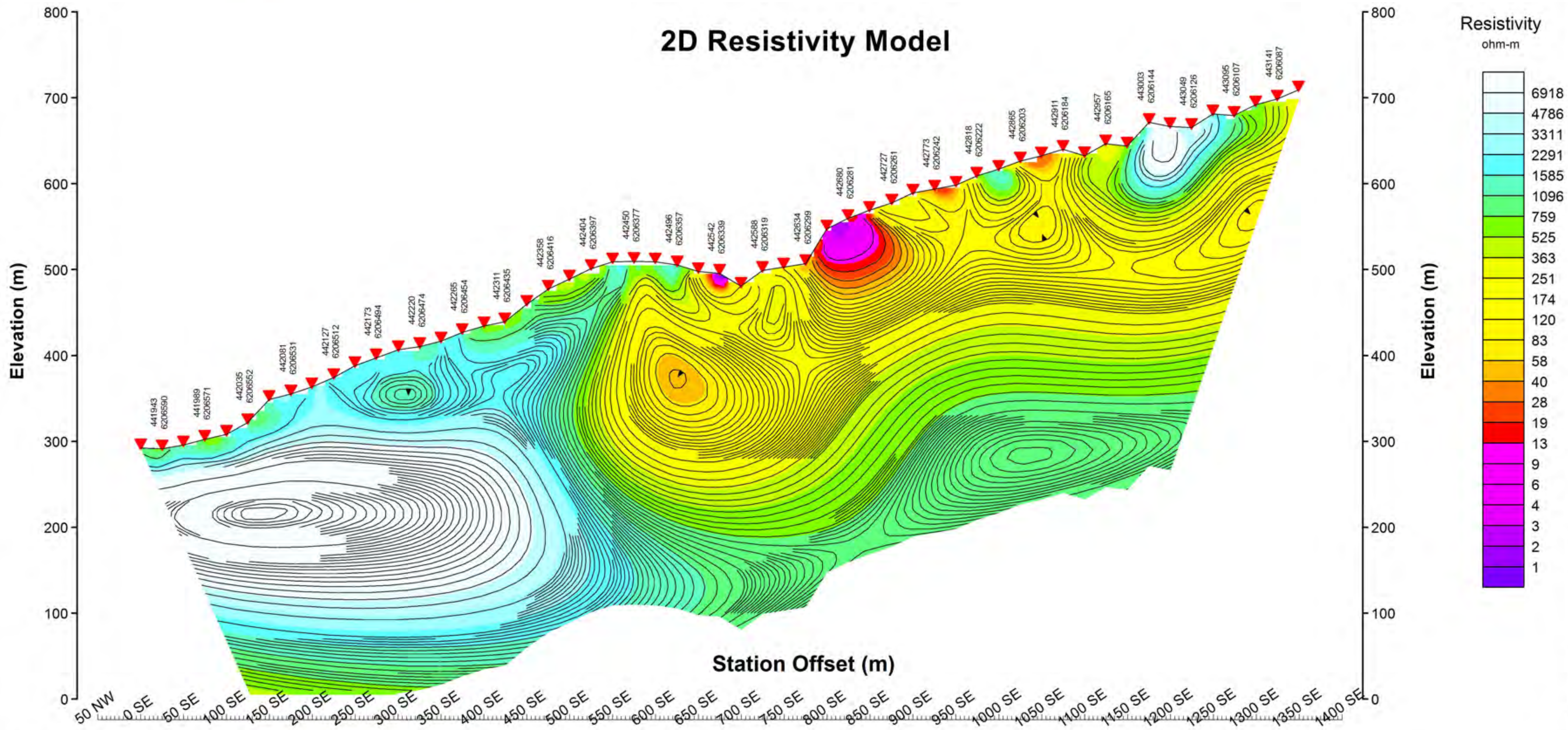
Amrican Creek Resoureces

ALPHA IP SURVEY
Dunwell Project, Stewart, BC
Line 700N

2D Inversion Section Plots
Date: 14/09/2019
Project # SGL-19041

Simcoe Geoscience Limited

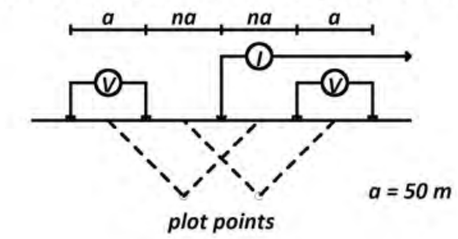




2D Inversion Section Plots

Line 800N

Simcoe's Dipole-Pole-Dipole Array



Survey Specifications

Alpha IP - a Wireless Time Domain Distributed IP System
Dipole Spacing: 50m, n =1-28
Generator: Honda MG 12A
Transmitter: Walcer TX KW10
Tx.Current/Freq.: 0.05-20 Amps./400Hz/3 Phase
V Input/output: 125V line to Neutral/100 - 3200V in 10 steps
Switching: 2 sec.,(1, 2, 4 & 8 sec. available)
Receiver: Alpha IP 2 Channel (13 Units)
Chargeability Windows: 20 Programmable
24 bit A/D converter per channel
Ground Resistance: Up to 1.6 Mohm
Signal Waveform: Time Domain (ON+, OFF, ON-, OFF)

Data Processing

Platform: Proprietary IP Post Processing / Oasis Montaj
Inversion Algorithm: UBC 2D DCIP, Model misfit, Max 100 iters

Data Plotting

Gridding: Min. Curvature, 10m Grid Cell Size
Contours: Resistivity 1 dec. log, Chargeability Linear
Color Zoning: Log (Resistivity.tbl), Linear (Color.tbl)

Scale 1:6000

100 0 100 200 300

(meters)

Amrican Creek Resoureces

ALPHA IP SURVEY

Dunwell Project, Stewart, BC

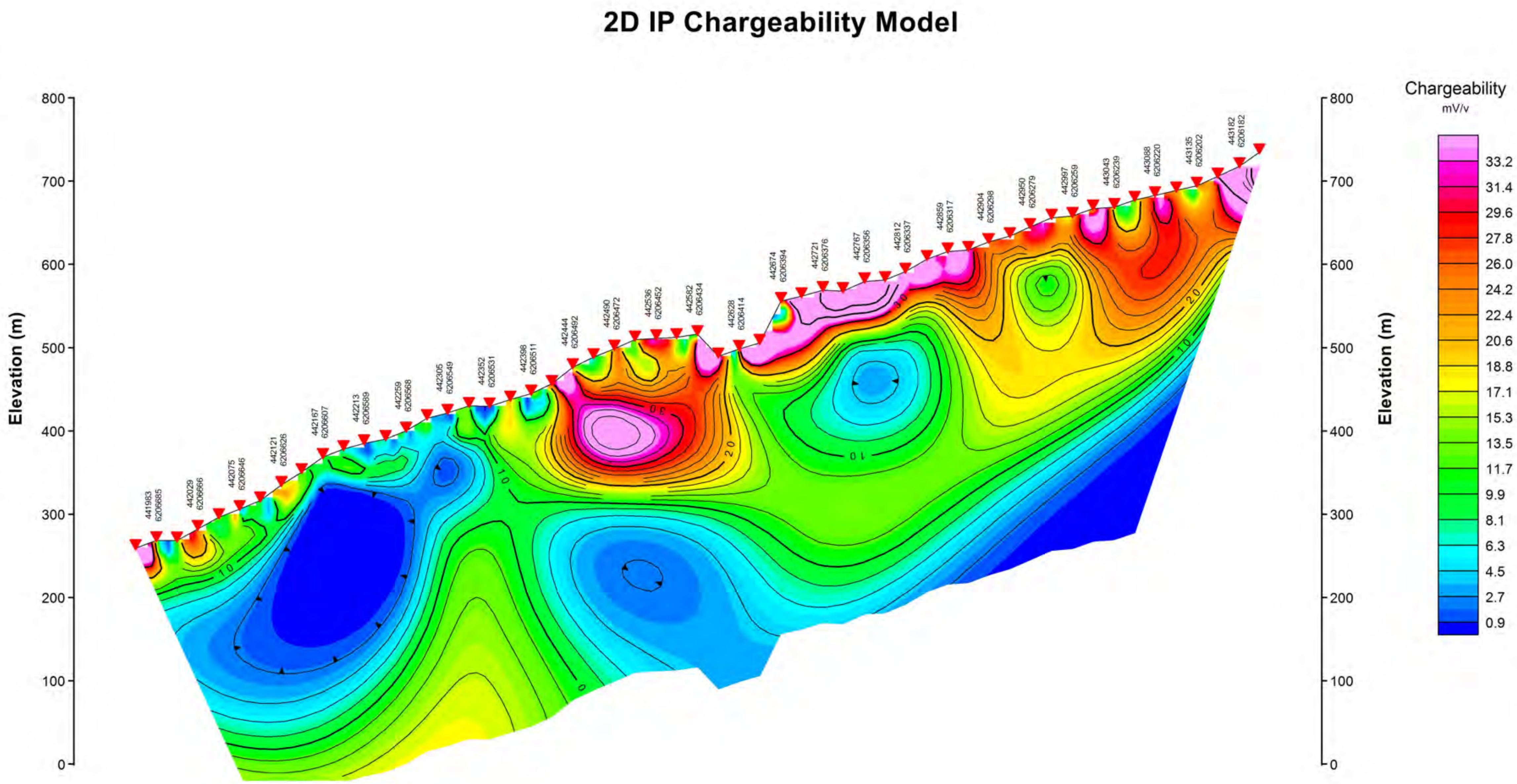
Line 800N

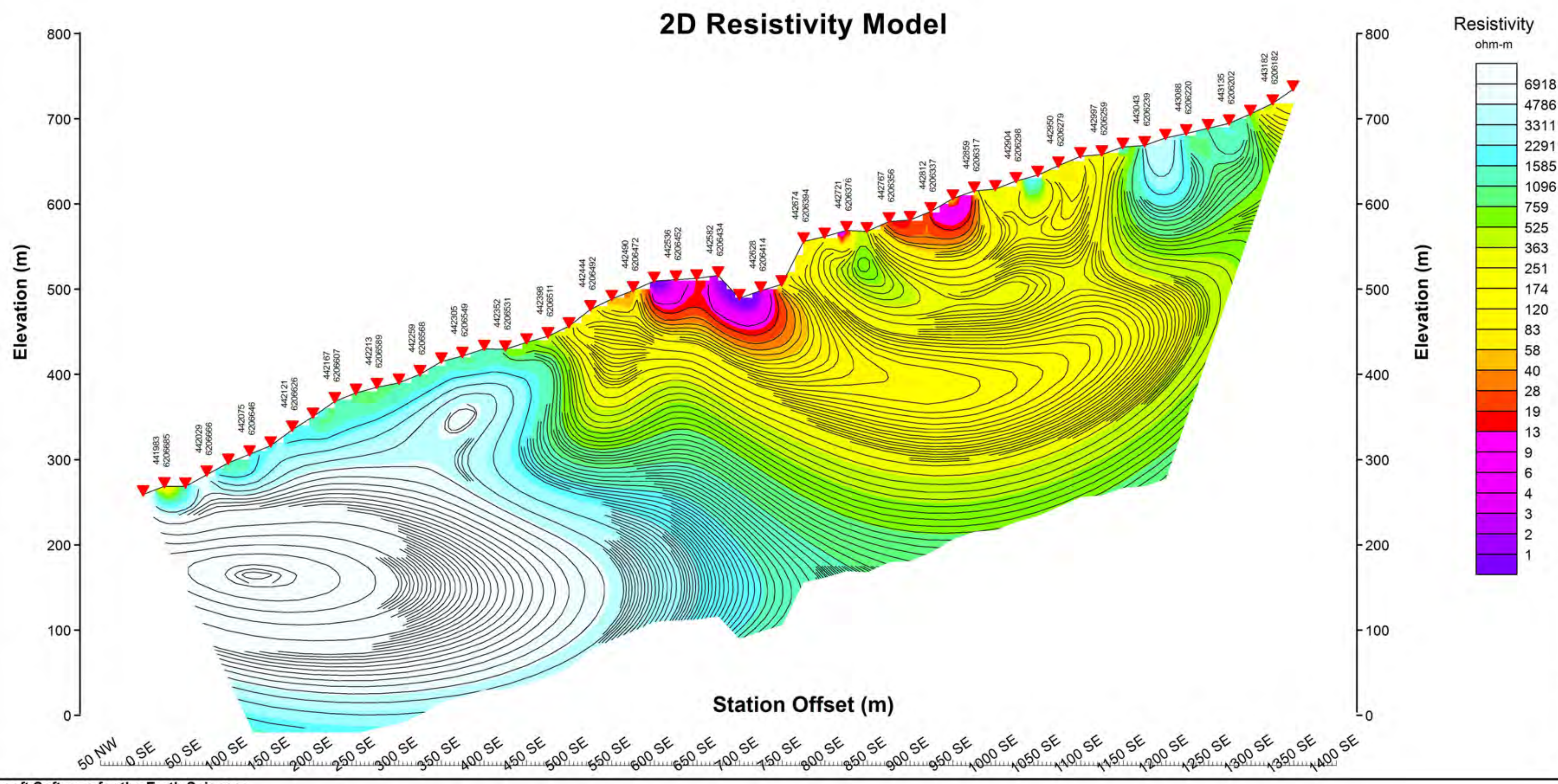
2D Inversion Section Plots
Date: 16/09/2019
Project # SGL-19041

Simcoe Geoscience Limited

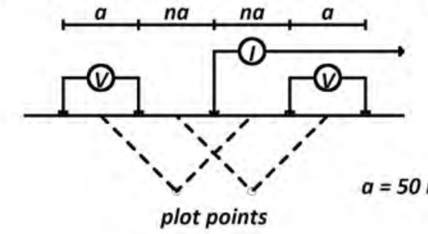
Geosoft Software for the Earth Sciences

2D Inversion Section Plots
Line 900N





Simcoe's Dipole-Pole-Dipole Array



Survey Specifications

Alpha IP - a Wireless Time Domain Distributed IP System
Dipole Spacing: 50m, n =1-28
Generator: Honda MG 12A
Transmitter: Walcer TX KW10
Tx.Current/Freq.: 0.05-20 Amps./400Hz/3 Phase
V Input/output: 125V line to Neutral/100 - 3200V in 10 steps
Switching: 2 sec.,(1, 2, 4 & 8 sec. available)
Receiver: Alpha IP 2 Channel (13 Units)
Chargeability Windows: 20 Programmable
24 bit A/D converter per channel
Ground Resistance: Up to 1.6 Mohm
Signal Waveform: Time Domain (ON+, OFF, ON-, OFF)

Data Processing

Platform: Proprietary IP Post Processing / Oasis Montaj
Inversion Algorithm: UBC 2D DCIP, Model misfit, Max 100 iters

Data Plotting

Gridding: Min. Curvature, 10m Grid Cell Size
Contours: Resistivity 1 dec. log, Chargeability Linear
Color Zoning: Log (Resistivity.tbl), Linear (Color.tbl)

Scale 1:6000

100 0 100 200 300
(meters)

Amrican Creek Resoureces

ALPHA IP SURVEY
Dunwell Project, Stewart, BC
Line 900N

2D Inversion Section Plots
Date: 16/09/2019
Project # SGL-19041

Simcoe Geoscience Limited

Geosoft Software for the Earth Sciences

APPENDIX IV

Alpha IP Report

Affordable Intelligent Solutions

SIMCOE GEOSCIENCE
www.SimcoeGeoscience.com

REPORT

AMERICAN CREEK RESOURCES LTD.

Alpha IP - Time Domain Induced Polarisation (IP) / Resistivity Survey

DUNWELL PROJECT,
Stewart, British Columbia

OCTOBER 28, 2019 **PROJECT # SGL-19041**

Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com

Executive Summary

This report describes the data acquisition, processing and analysis of Alpha IP™ – a Wireless Time Domain Distributed Induced Polarization survey carried out by Simcoe Geoscience Limited (Simcoe) over the Dunwell Mine Project (the Project or the Property), near Stewart, BC, on behalf of American Creek Resources Limited (American Creek). The data was acquired over a period of 13 days from September 3rd to September 15th, 2019.

The Dunwell Mine Project is located approximately 7 kilometers north of Stewart, British Columbia. The property can be accessed via logging road just off of Highway 37A. The access road runs though the survey grid. The Dunwell Mine project consists of an amalgamation of the Dunwell, Dunwell East, Dunwell South, Bear River/MM and Silvershot properties. The approximate center of the property is at UTM coordinates (WGS84, Zone 9V) 442500 mE and 6206075 mN.

The Dunwell project consists of ten (10) IP profiles, designed by American Creek to cover major geological trends of interest over most of the known target zones and historic tunnels. A total of 13.5 line km of IP data was acquired using 'dipole-pole-dipole' configuration with a 50m station spacing. Every profile was 1350m long with 26 receiver dipole setup in single deployment. Current injections at every 50m were made by adopting "reverse and forward" pattern and "off-end" for maximum depth penetration and highest resolution.

Over the Dunwell Mine project, at least thirty seven (37) anomalous zones are interpreted along ten (10) profiles as significant targets for follow up from surface to ~300m+ depth. Out of thirty seven (37) anomalous zones, fifteen (15) are considered first priority, sixteen (16) second and six (6) are third priority targets. The interpreted chargeability anomalous zones were prioritized and assigned an ID according to the anomaly amplitude, size, possible profile to profile continuation and multi-parameter (Resistivity and Chargeability) association. The anomalous zones consist of strong to moderate chargeability and their association with conductive to resistive zones. The Interpreted Anomalies with their relevant profiles are presented in Summary Table below. The Dunwell Mine Alpha IP Survey Anomaly Map shows locations of 1st, 2nd and 3rd priority interpreted targets along with historic drill holes and Dunwell tunnels.

The interpreted first priority ("S#") anomalous zones are generally small areas at shallow depths and the IP chargeability is commonly strong to well defined (>30 mV/v) with low to moderate resistivity (<200 Ωm) association. First priority zones show low resistivity gradient areas correlate with faults and shear zones with potential for structurally controlled gold and copper mineralization.

The interpreted second priority ("W#") anomalous zones are relatively larger area responses at shallow to moderate depths, where IP chargeability is well defined (>25 mV/v), with moderate to high resistivity (<1000 Ωm) association.

The interpreted third priority anomalous zones are generally deeper large area responses, where IP chargeability is poorly defined (>20 mV/v), without definite resistivity signatures (>3000 Ωm) association.

The non-anomalous zones can be classified in three ways:

i. Very low resistivity features with no IP response are generally near surface and are believed to be thick sedimentary units.

ii. Very low near surface resistivity with weak chargeability represents weathered and saturated rock layers.

iii. Highly resistive units are potentially unaltered rock units from near surface to depths more than 350m.

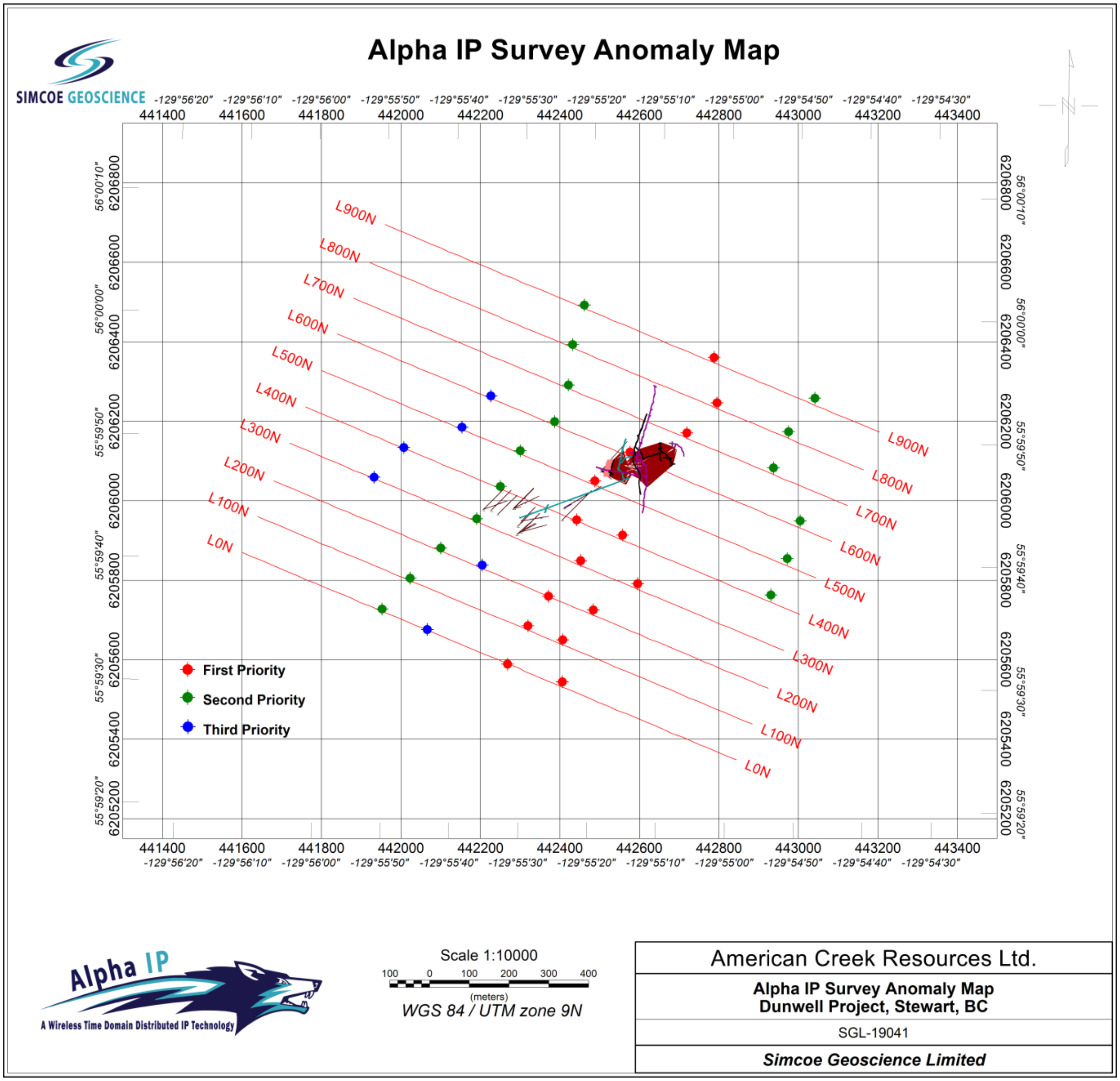
Strong resolution of sub-vertical to vertical structures (faults and contacts) was achieved along each profile and are explained by the sub-vertical features and gradient zones interpreted from the 2D sections. The faults and geological contacts are potentially associated with low resistivity and moderate to strong chargeability zones.

The following are recommendations from the interpretation of the 2D IP survey at the Dunwell Mine project:

- Review the available geological, legacy geophysical and geochemical data (if available) in the vicinity of the priority target areas prior to drilling and commencing further exploration of these zones.

- In cases where the deep IP chargeability responses are an extension of the shallower IP chargeability anomalies related to known mineralization, a higher priority may be assigned to these responses.
- Similarly, if mineralization and/or alteration are encountered, a priority step-back drilling should be considered for testing the areas in the vicinity and deeper anomalies.

To drill-test the top and center parts of the interpreted high priority anomalies utilizing angled drilling with a maximum dip of ~65 degrees. If favourable results are obtained, then test the deep portion and unexplored areas of the interpreted anomalies where significant chargeability, and resistivity responses are observed.


Alpha IP Survey Anomaly Map
SIMCOE GEOSCIENCE
L900N
L800N
L700N
L600N
L500N
L400N
L300N
L200N
L100N
L0N
First Priority
Second Priority
Third Priority
Alpha IP
A Wireless Time Domain Distributed IP Technology
Scale 1:10000
(meters)
WGS 84 / UTM zone 9N
American Creek Resources Ltd.
Alpha IP Survey Anomaly Map
Dunwell Project, Stewart, BC
SGL-19041
Simcoe Geoscience Limited

Interpreted Anomalies Summary Table								
Line #	UTM Easting	UTM Northing	Anomaly ID	Anomaly #	Priority	IP Chargeability (Strong/Mod/Weak)	DC Resistivity (High/Mod/Low)	Depth to Core
L0N	441952	6205728	W	W1	2nd	Mod/Strong	Mod	100m
	442066	6205676	P	P1	3rd	Mod	High	315m
	442406	6205544	S	S1	1st	Mod/Strong	Low	85m
	442268	6205589	S	S2	1st	Mod/Strong	Low	200m
L100N	442023	6205805	W	W1	2nd	Strong	Mod	100m
	442319	6205686	S	S1	1st	Strong	Low	135m
	442407	6205650	S	S2	1st	Strong	Low	300m
L200N	442100	6205881	W	W1	2nd	Strong	Mod	100m
	442204	6205838	P	P1	3rd	Mod	High	235m
	442371	6205760	S	S1	1st	Strong	Mod/Low	80m
	442484	6205725	S	S2	1st	Strong	Mod/Low	140m
L300N	441932	6206059	P	P1	3rd	Mod/Strong	High	260m
	442191	6205955	W	W1	2nd	Strong	Mod/High	100m
	442452	6205849	S	S1	1st	Strong	Low	90m
	442595	6205791	S	S2	1st	Strong	Mod/Low	280m
L400N	442007	6206134	P	P1	3rd	Mod/Weak	High	300m
	442250	6206036	W	W1	2nd	Mod/Strong	Low	100m
	442557	6205914	S	S1	1st	Strong	Low	85m
	442442	6205952	S	S2	1st	Strong	Low	250m
	442931	6205763	W	W2	2nd	Mod/Strong	Low	100m
L500N	442153	6206185	P	P1	3rd	Mod	High	300m
	442300	6206126	W	W1	2nd	Mod/Strong	Mod	100m
	442488	6206050	S	S1	1st	Strong	Low/Mod	125m
	442972	6205855	W	W2	2nd	Strong	Mod	100m
L600N	442226	6206264	P	P1	3rd	Mod	High	300m
	442386	6206199	W	W1	2nd	Mod/Strong	Mod	100m
	442576	6206123	S	S1	1st	Strong	Low	105m
	443004	6205950	W	W2	2nd	Strong	Mod	120m
L700N	442421	6206291	W	W1	2nd	Mod/Strong	Mod	80m
	442719	6206171	S	S1	1st	Strong	Low	105m
	442937	6206083	W	W2	2nd	Strong	Mod	80m
L800N	442432	6206393	W	W1	2nd	Mod/Strong	Mod	80m
	442795	6206246	S	S1	1st	Strong	Low	105m
	442975	6206174	W	W2	2nd	Strong	Mod	80m
L900N	442461	6206492	W	W1	2nd	Strong	Mod	80m
	442788	6206361	S	S1	1st	Strong	Low	105m
	443041	6206258	W	W2	2nd	Strong	Mod/High	80m

Table of Contents

Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com

Table of Figures

Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com

1 INTRODUCTION

This report describes the data acquisition, processing and analysis of Alpha IP™ – a Wireless Time Domain Distributed Induced Polarization survey carried out by Simcoe Geoscience Limited (Simcoe) over the Dunwell Mine Project (the Project or the Property), near Stewart, BC, on behalf of American Creek Resources Limited (American Creek). The data was acquired over a period of 13 days from September 3rd to September 15th, 2019.

The Dunwell Mine Project is located approximately 7 kilometers north of Stewart, British Columbia. The property can be accessed via logging road just off the Highway 37A. The access road runs though the survey grid. The Dunwell Mine project consists of an amalgamation of the Dunwell, Dunwell East, Dunwell South, Bear River/MM and Silvershot properties. The central part of the property at UTM coordinates (WGS84, Zone 9V) 442500 mE and 6206075 mN. The general location of the area is shown in the Figure 1-1.

The Dunwell project consists of ten (10) IP profiles, designed by American Creek to cover major geological trends of interest over most of the known target zones and historic tunnels. A total of 13.5 line km IP data was acquired using 'dipole-pole-dipole' configuration with 50m station spacing. Every profile was 1350m long with 26 receiver dipoles setup in single deployment and current injections every 50m that adopted a "reverse and forward" pattern and "off-end" for maximum depth penetration and highest resolution.

The first part of this report presents the data acquisition, methodology, survey parameters, inversion results, their geophysical interpretation and recommendations for future follow-up on the property. The second part of the report presents the survey logistics (Appendix A), IP Pseudosections and 2D resistivity and chargeability inversion models and instrument specifications.

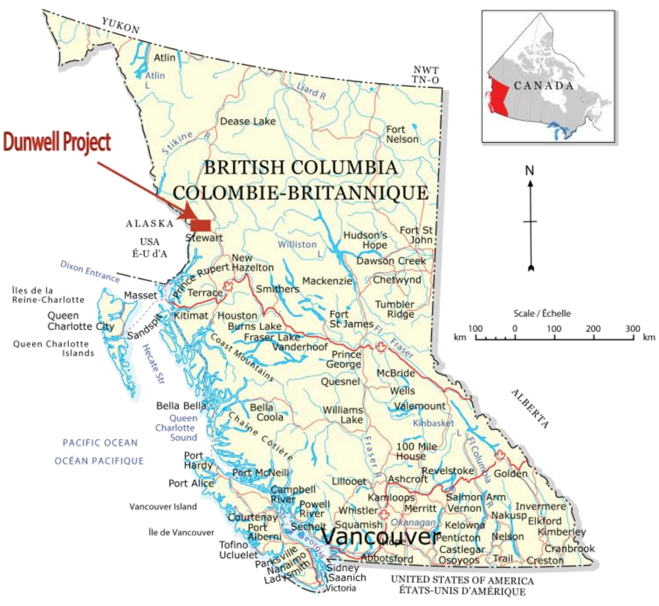


Figure 1-1: General project location.

1.1 Project Location, Access and Physiography

The Dunwell Mine property lies within the Coast Mountains of north-western British Columbia, Canada, approximately 7 kilometers north of the town of Stewart (Figure 1-2). It lies within the Skeena Mining Division, centered at approximate (WGS84, Zone 9V) 442500 mE and 6206075 mN. Historically the Dunwell Mine property lies within this mineral trend located between the Silbak Premier Mine (Ascot) and Red Mountain deposit (feasibility stage – Ascot - formally IDM).

The project area was accessed from Stewart along Highway 37A. Additional access was possible along logging roads with a 4x4 and hiking. The base of operations was Stewart where crew could easily drive daily. Elevations range from 200 m on the road to roughly 800 m along the northwestern side of the property. The property is heavily vegetated from the lower slopes up to about 800 m elevation with tag alder and lesser willow. Additionally, there were patches of mountain hemlock and alpine fir alternate with short alpine vegetation.

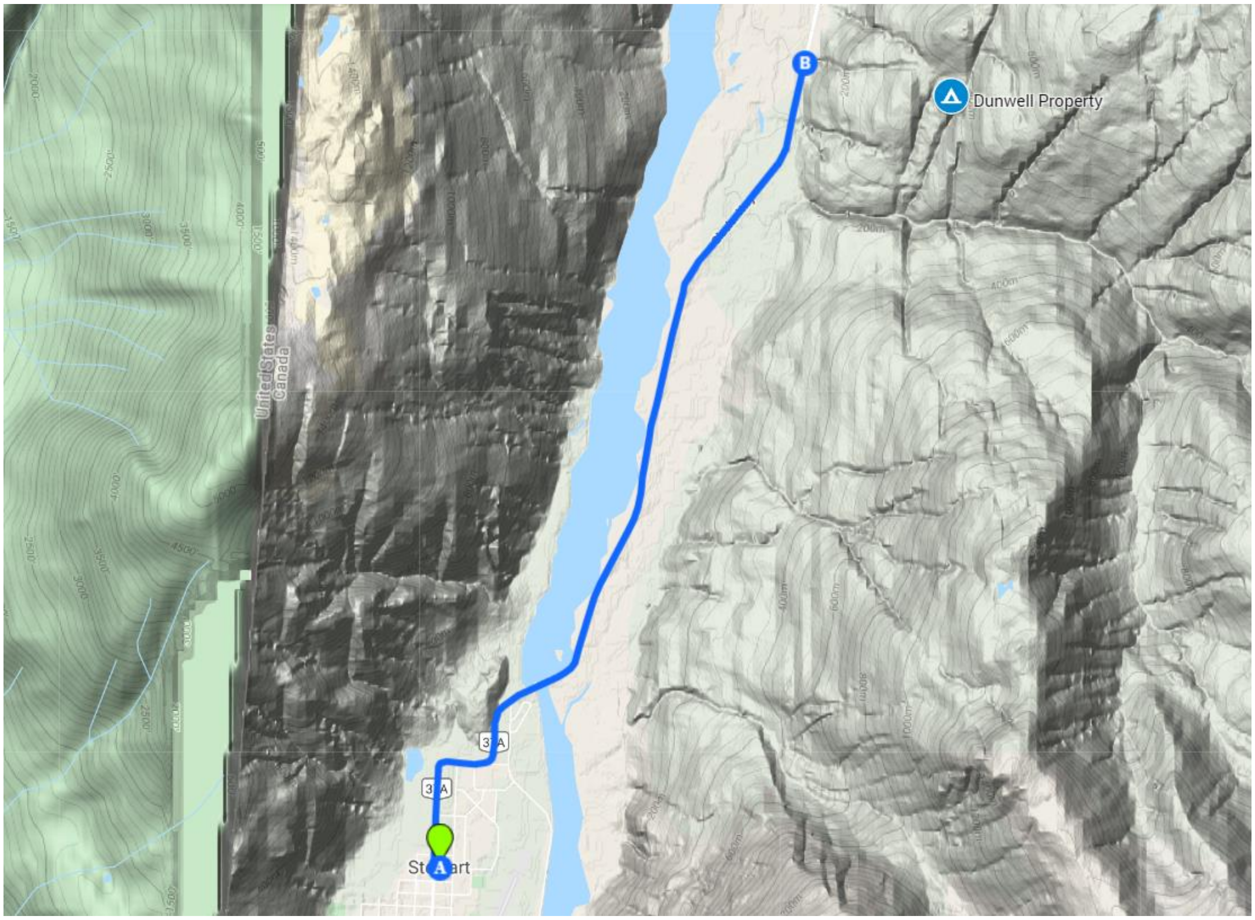


Figure 1-2: Red Springs Project location and access highway from Stewart.

1.2 Objectives

The exploration objectives of the Alpha IP™ survey at Dunnwell Mine Project were to detect the source of potential high-grade Au, Ag, Pb, Zn, Cu in quartz and quartz breccia veins hosted in thin bedded argillite, siltstone and greywacke of the Middle Jurassic Salmon River Formation (Hazelton Group). Alpha IP™ – a Wireless Time Domain Distributed IP system was used to provide the following benefits:

- Detect and delineate zones and structures related to the emplacement of sulphide mineralization to depths of up to 400 meters with chargeability and resistivity.
- Mapping the resistivity and chargeability features related to mineralization, alteration, faults and lithologies.

The Alpha IP™ – a Wireless Time Domain Distributed System is the world first wireless IP system, where a minimum amount of wire is being used and can be expanded to as many channels and eliminates the concept of limited "n" values. Alpha IP™ provides full waveform data with 24-bit digital sampling and advanced signal processing. The chargeability and resistivity components provide an excellent means of delineating target mineralization from surface to a depth of 1000+ meters. If the profile is 4km long then the depth of investigation can be increased by adding more channels.

1.3 General Information

Project Name:	Dunwell Mine Project
Simcoe's Project No.:	SGL-19041
Client:	American Creek Resources Ltd.
Client Address	Box 70 #92, 2nd Ave West Cardston Alberta T0K 0K0, Canada
Client Representative:	Darren Blaney Tel: (403) 752-4040 Email: dblaney@americancreek.com Website: https://www.americancreek.com/index.php
Survey Type:	Alpha IP™2D, 50m Dipole-Pole-Dipole Induced Polarization (IP) Survey
Total Survey Period:	September 03rd to September 15th, 2019
Contractor:	Simcoe Geoscience Limited
Simcoe's Address:	13-11 Cardico Drive, Stouffville, Ontario, Canada L4A 2G5 Tel: +1 (905) 235-7822 Toll Free: +1 (844) 794-7822

Fax: +1 (905) 235-7821
Email: info@simcoegeoscience.com
Website: https://www.simcoegeoscience.com

Simcoe's Representative : Riaz Mirza M.Sc., P.Geo
Cell: +1 (905) 252-5922
Email: rmirza@simcoegeoscience.com

1.4 Survey Scope

Based on the exploration objectives, geological targets, size of targets and steep terrain, Simcoe has utilized its "state of the art" "Alpha IP™" – a Wireless Time Domain Distributed Induced Polarization technology, which is aimed to provide high resolution data and greater depths in difficult terrains and to resolve smaller targets which could be missed in conventional 2D IP surveys.

The project consists of ten (10) profiles, designed by American Creek to cover major geological trends of interest over most of the known target zones and historic tunnels. A total of 13.5 line km IP data was acquired using 'dipole-pole-dipole' configuration with 50m station spacing. Each profile was 1300m long and a total of up to 26 receiver dipoles along these profiles. The profiles were setup in single deployment and current injections at every 50m were made by adopting "reverse and forward" pattern and "off-end" for maximum depth penetration and highest resolution. The detailed profile locations are shown in Figure 1-3.

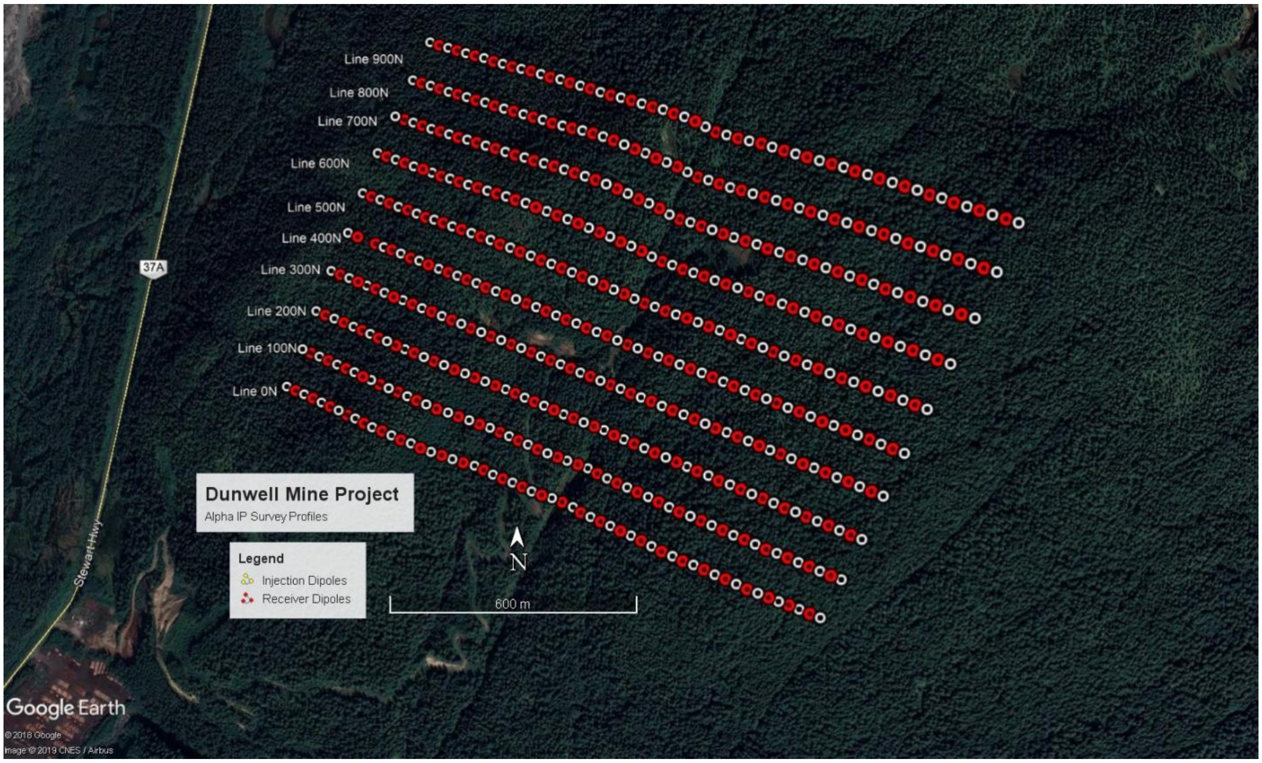


Figure 1-3: Location of Dunwell Mine Alpha IP Survey Profiles.

The Table below shows IP lines and their respective lengths with start and end coordinates.

WGS84/UTM Zone 9 U					
Prospect	**Line**	**Azimuth**	**Start UTM**	**End UTM**	**Line-km**
Dunwell Mine	L0N	112°N	441600 mE 6205870 mN	442844 mE 6205348 mN	1.3
Dunwell Mine	L100N	112°N	441640 mE 6205960 mN	442884 mE 6205438 mN	1.3
Dunwell Mine	L200N	112°N	441680 mE 6206050 mN	442924 mE 6205528 mN	1.3
Dunwell Mine	L300N	112°N	441720 mE 6206145 mN	442964 mE 6205623 mN	1.3
Dunwell Mine	L400N	112°N	441760 mE 6206236 mN	443004 mE 6205714 mN	1.3
Dunwell Mine	L500N	112°N	441800 mE 6206328 mN	443044 mE 6205806 mN	1.3
Dunwell Mine	L600N	112°N	441840 mE 6206420 mN	443084 mE 6205898 mN	1.3
Dunwell Mine	L700N	112°N	441880 mE 6206510 mN	443124 mE 6205988 mN	1.3
Dunwell Mine	L800N	112°N	441920 mE 6206600 mN	443164 mE 6206078 mN	1.3
Dunwell Mine	L900N	112°N	441960 mE 6206695 mN	443204 mE 6206173 mN	1.3

2 SURVEY METHODOLOGY

2.1 IP Theory

Direct Current (DC) Resistivity and Induced Polarization (IP) is an electrical method that uses the injection of current and the measurement of voltage difference along with its rate of decay to determine the subsurface resistivity and chargeability respectively. Depth of investigation is mainly controlled by the array geometry, but may also be limited by the received signal, which is dependent on transmitted current, and overall ground resistivity. The chargeability parameter is parti cularly susceptible to cases with a low signal-to-noise ratio. Low signal-to-noise happens when insufficient current is injected due to highly resistive materials. The accuracy of dip and strike positions of structures is decreased (side shift) if only pole-dipole (PDR) or (PDL) is used, combining the PDR and PDL overcome misleading positions of structures, so the choice of Dipole-Pole-Dipole configuration is highly recommended. The most common array configurations used in exploration are shown in Figure 2-1.

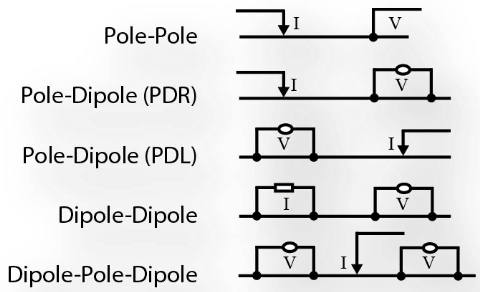


Figure 2-1: Comparison of common array configuration with Dipole-Pole-Dipole (Reverse & Forward).

Time Domain Induced polarization (IP) is a rather complex phenomenon but easy to measure. When a voltage applied between two electrodes is abruptly interrupted the electrodes used to monitor the voltage do not register an instantaneous drop to zero but rather records a fast i nitial decay followed by a slower decay. If the current is switched on again, the voltage will first increases at a very high rate and then build up slowly. This phenomenon is known as induced polarization (Figure 2-2). The technique is mostly concerned with measuring the electrical surface polarization of metallic minerals.

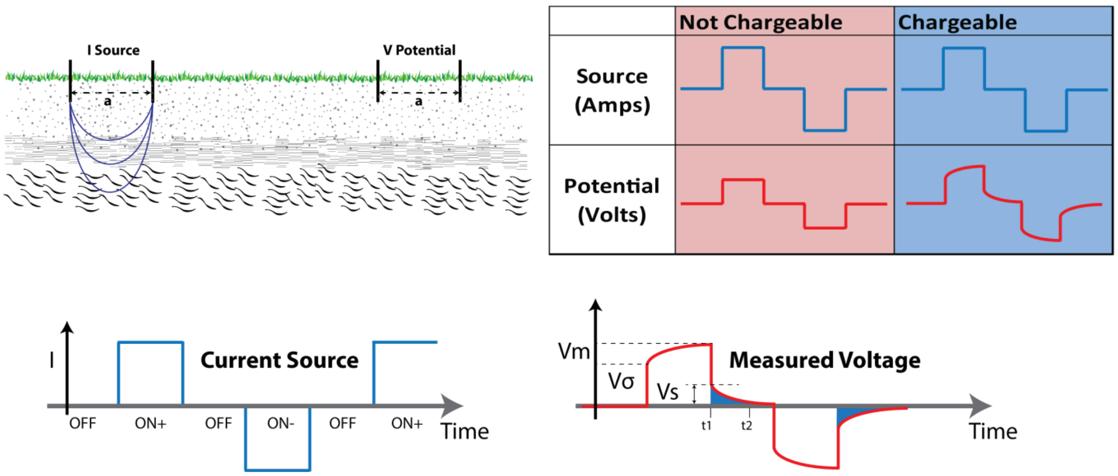


Figure 2-2: Time domain IP measurement with the normalized area under the decay curve.

Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com

The purpose of resistivity and IP surveys is to determine the subsurface resistivity distribution by making measurements on the ground surface. From these measurements, the true resistivity of the subsurface can be estimated. The ground resistivity is related to various geological parameters such as the mineral and fluid content, porosity and degree of water saturation in the rock.

Disseminated sulphides have very good induced polarization responses. In theory, massive sulphides should have lower responses but in practice they can have very good responses. This is due to the mineralization halo generally surrounding massive sulphides. Clay minerals may also produce significant IP responses. The IP technique is often used to distinguish between clay and for example water saturated media which have similar resistivities but different chargeabilities.

The data are acquired in a similar manner to resistivity and resistivity is in fact measured by default during an IP survey. The same electrode configurations used for resistivity are also used for IP investigations. Various electrode layouts can be used (pole-dipole, dipole-dipole, etc.); varying the distance between the electrodes results in soundings to different depths, which may be used to map the variability of resistivity and chargeability with depth.

The Alpha IP system provides precise full waveform time series data including; Induced Polarization, Resistivity and SP (self potential) measurements. Each receiver unit (Alphi) is a dual channel system and continuously record at a 10 millisecond (ms) sample rate. The Alphi's synchronizes the GPS PPS signal with transmitter and current recording unit, allowing for smooth processing of the signal. Each Alphi is fully independent; incorporating its own power source, GPS module and digital memory for up to 3 months continuous recording. Data on the memory can be downloaded directly on a simple USB stick for post processing (Figure 2-3).

In its standard configuration (a = 100m / n = 0.5-40) Alpha IP surveys typically image DC resistivity to depths of 800-1000m, and the IP typically images to 700-1000m in sub-vertical tabular geologic settings and up to 50% more for sub-horizontal. The differences in penetration are a function of the relative property contrasts and relative signal-to-noise levels between the two measurements. Penetration also decreases or increases proportionally to the dipole-size (i.e., 400-600m for 50m dipoles, and 900-1200m for 200m dipoles) with good signal. A detailed introduction to Time Domain IP surveys is given in Telford, et al. (1976).

Figure 2-3: Single Channel Current Recorder and duel Channel Voltage Receiver (Alphi).

2.2 Data Acquisition

Simcoe used its "state of the art" Alpha IP™ - a Wireless Time Domain Distributed Induced Polarization system with the simultaneous deployment of 26 receiver dipoles (13 Alphi) along the 1300m profiles in single deployments. The dipole length was 50m and n = 1-28. The current injection points were located at every 50m between the potential dipoles. Data were acquired with dipole-pole-dipole (Reverse & Forward) current injections configuration. Extra current injections were also made at the end of the lines for additional depth coverage. A schematic field setup with Alpha IP is described in Figure 2-4.

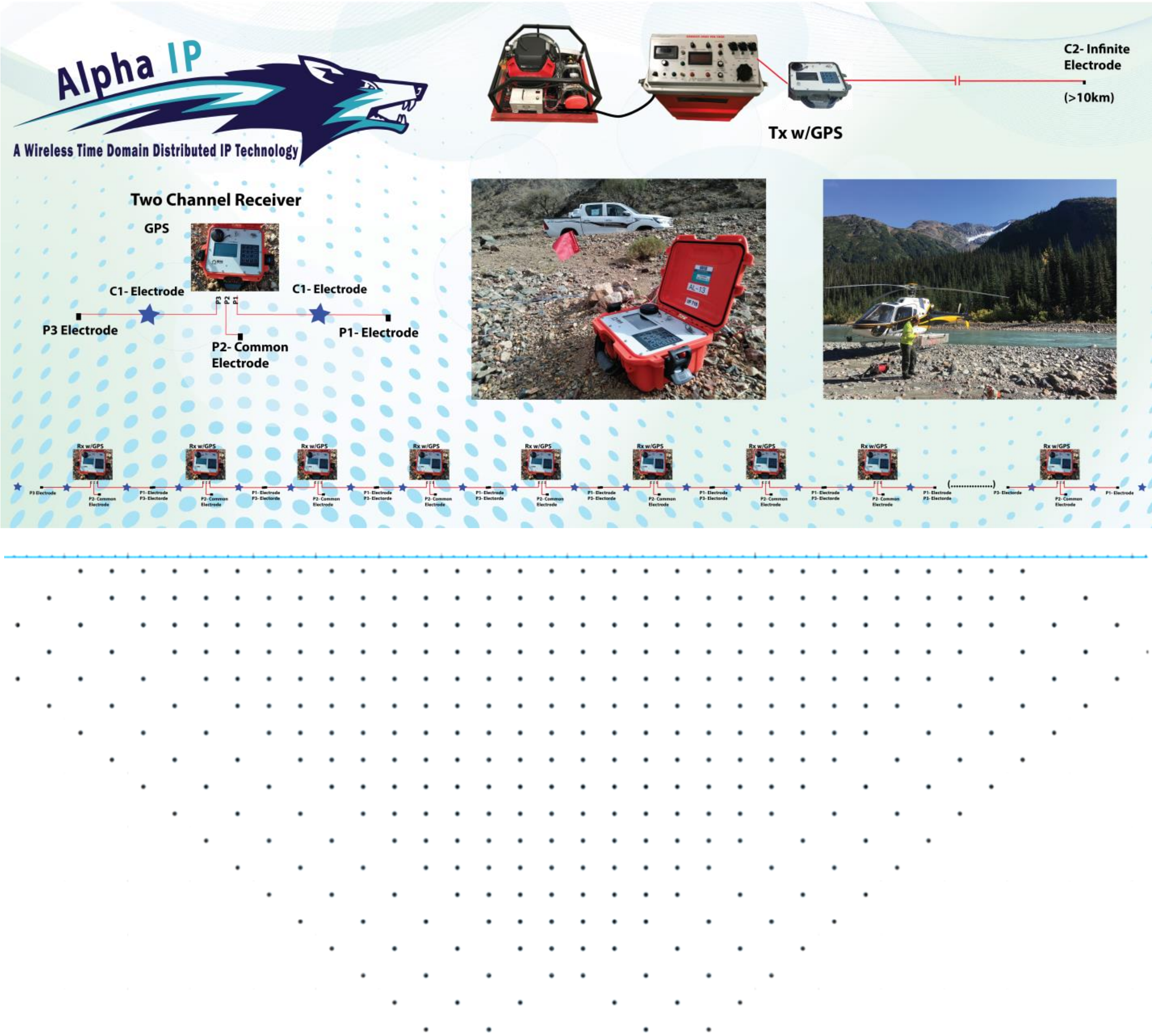


Figure 2-4: Alpha IP Schematic of dipole-pole-dipole (Reverse & Forward) with single spread setup and off-end injections.

Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com

In its standard setup; each Alphi is a standalone receiver, which has a common electrode (P2) at the receiver. P1 and P2 are setup in opposite directions. The current recording unit, which sits in series between the injection electrode and transmitter records the injected current. GPS is used to synchronize an internal clock in order to accurately time stamp each record within an absolute accuracy of 250 microseconds (µs). Detailed technical specifications are Alpha IP™ system is provided in Appendix C.

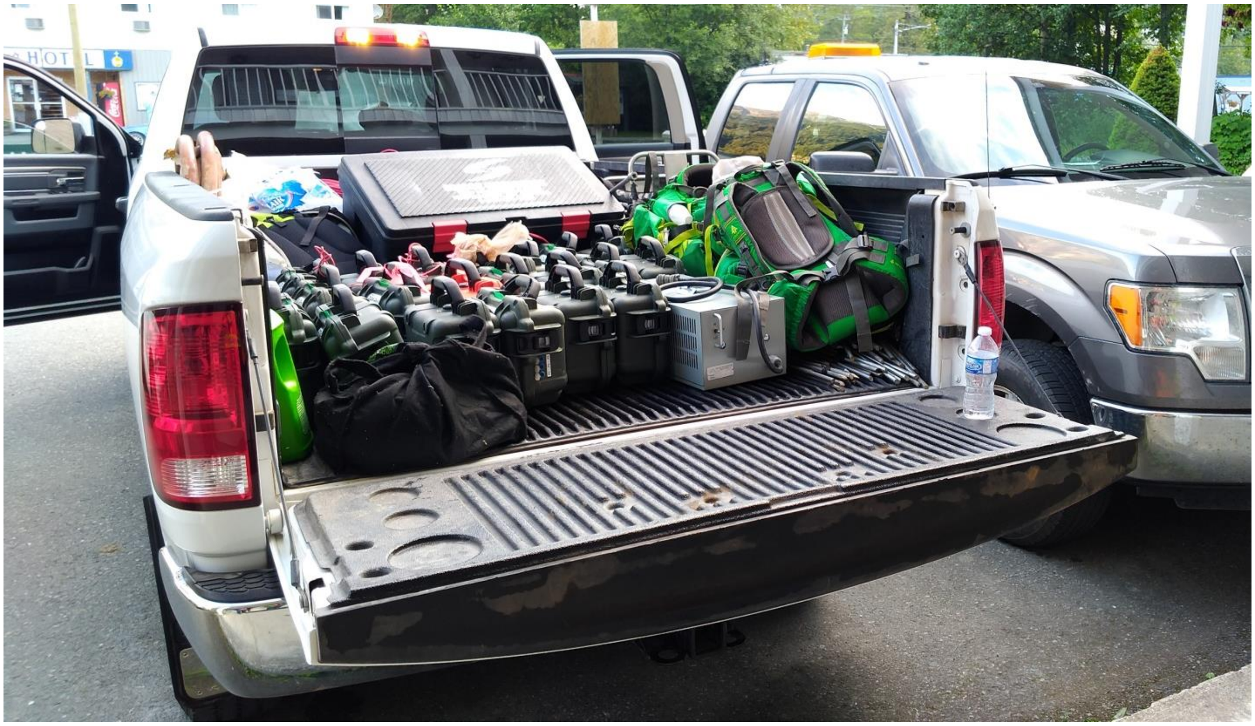


Figure 2-5: Crew getting ready to move to survey grid from staging area.

Simcoe was responsible for staking and positioning of the lines (Figure 2-5), one of the crew members flagged the lines at every 25m intervals with two color flags to differentiate receiver and injection dipoles (Figure 2-6). Stainless Steel non-polarized electrodes were used for both receiver and injection electrodes. The infinite pole location was prepared to cover all 10 profiles at an approximate distance of 6 km along the highway further north of the grid and was setup in a muddy pond at least two days before data acquisition. The average daily production was 1.3km, which includes setup, data recording and move to next line. There was also line cutting involved along most of the profiles due to thick vegetation and steep gorge crossings.

For this project, a 10 KW power transmitter (Walcer TX KW10) was used and powered by a Honda Motor Generator MG12A. The MG12A can output regulated 125V/220V AC, 20KVA maximum at 400 Hz/ 3 phase to the transmitter which then has an output of 100-3200V in 10 steps with regulated current ranges from 0.05 – 20 Amps. The switching can be set to 1sec, 2sec, 4sec, 8sec. (Figure 2-7 & Figure 2-8).

13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com

Figure 2-6: Field setup of wireless IP receiver (Alphi), orange flag marks the location. Inset screen image shows full waveform signals.

Figure 2-7: Alphi with dipole wires and stainless steel electrodes, Honda Motor Generator MG 12A, 10 KW Transmitter used in the field.

Figure 2-8: Crew setting up the line and ready for current injections.

The data was acquired based on the following field parameters:

- **Survey Array:** Dipole-Pole-Dipole Array
- **Receiver Configuration:** 26 Rx = Continuous In-line voltages
- **Array Length:** 1.3 km
- **Dipole length:** Rx = 50 meter
- **Sampling Interval:** Ex = 50 meters
- **Rx-Tx Separation:** N-spacing = 1-24
- **Tx. Current:** +/- 1 - 20 Amps.
- **Input Impedance:** 100 MOhms
- **Input Voltage:** 15V, automatic gain, input protection 1000V
- **Readings:** Full waveform 10ms (100Hz) sampling rate
- **Noise Rejection:** Power line rejection, SP linear drift correction
- **Transmitter Square wave Switching:** 2 sec., (2 sec. ON+, 2sec. OFF, 2 sec. ON-, 2sec. OFF)
- **Chargeability Windows:** 20 Programmable
- **Time-Series Stacking:** up to 100 cycles (full-waveform)
- **Read Time:** approx. 7.0 minutes per station
- **Time-Domain Decay Window:** 1600 ms
    - Integration Start Time 220 ms,
    - Integration End Time: 1820 ms

Infinite Pole Locations: UTM: 442830m E, 6211740m N (WGS 84/Zone 9 U)

At the end of each day data is retrieved from both current recorder and receiver units (Alphi) on USB sticks, which are binary format files contains UTM positions of each receiver and injection electrodes, input and output voltages and input currents for every injection. Data is then dumped to a field computer and field QA/QC is performed. In the event of any injections needs repeating the crew will be notified about the injection locations otherwise line will be picked up and moved to next (Figure 2-9).

13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com

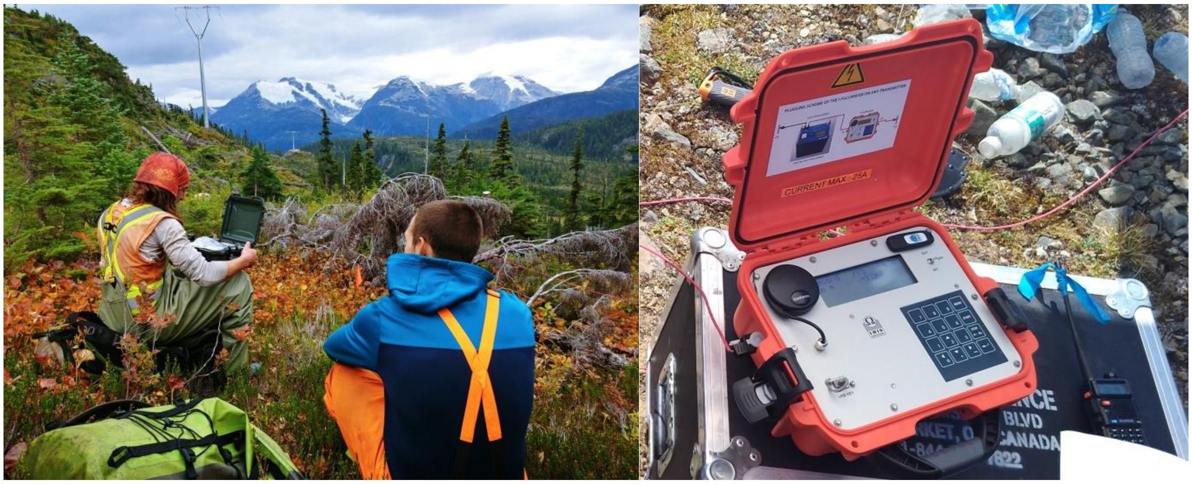


Figure 2-9: In field QA/QC and data retrieval from Alphi and current recorder

2.3 Data Processing

The final processing of Time Domain IP is complicated and performed in a number of steps using different processing platforms. Infield QA/QC and processing is completed with proprietary software (FullWave Viewer). The software allows review of the full waveform raw data, the stacked readings and the chargeability decay (M) for each acquisition channel. The data is viewed, current and voltage records are synchronized, edited if necessary and processed. "Noisy" data is rejected using an arithmetic algorithm to identify noisy half-cycles and to enhance Rx – Tx synchronization (Figure 2-10).

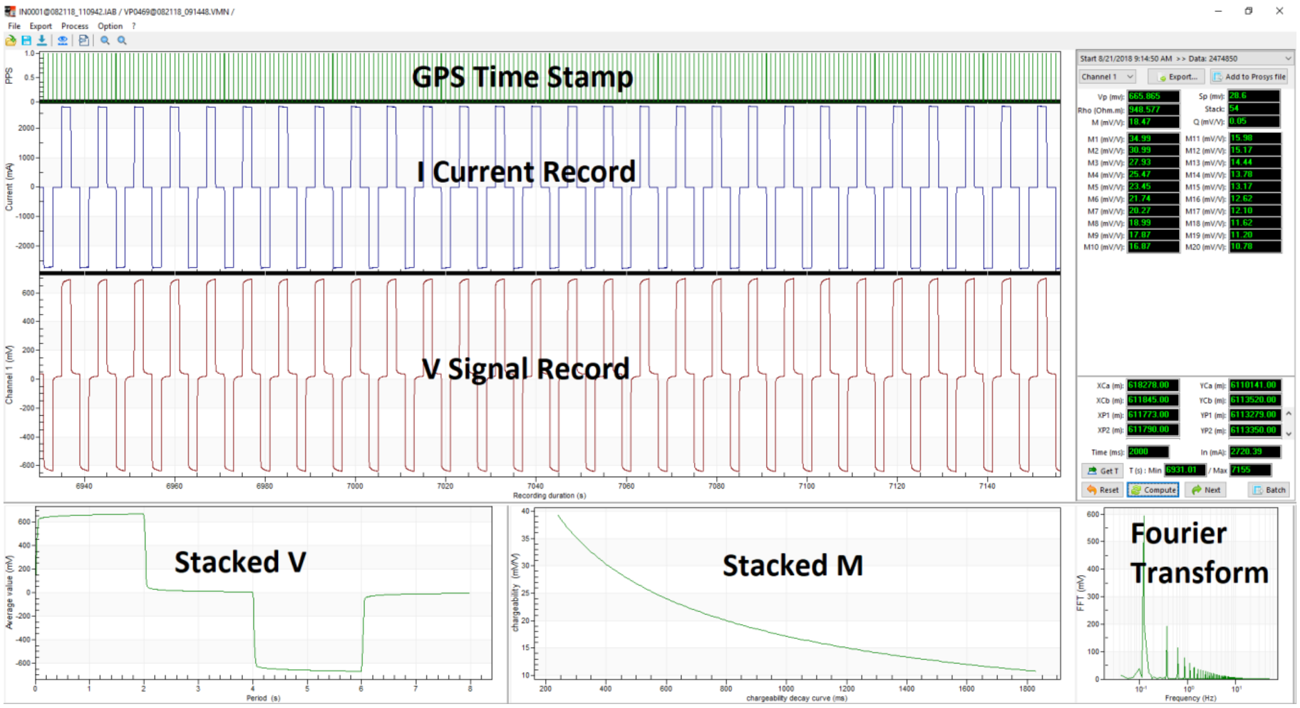


Figure 2-10: QA/QC of IP data and Rx – Tx synchronization with GPS time stamps.

Post processing of the data is completed using ProSys Post Processing software and then input into the Oasis Montaj IP Module for further review.

Once the data is synchronized and UTM coordinates of both current injections and receiver dipoles are verified, data is exported to view in ProSys Post Processing software, where data can be displayed both numerically and graphically. Post-processing and conditioning of both resistivity and IP data involved adjustment of data errors and removal of poor quality data for inversions. Initially the individual transmits for the IP are viewed before stacking. Any problematic decays are noted for further review (Figure 2-11). Pseudo-sections of both the IP and Resistivity data, along with the stacking, current values, resistivity values, and decay curve repeatability are all reviewed (Figure 2-12). Should data from a single transmit not match the others at the same point, that individual transmit is rejected. Once the data passes review the entire line is exported in UBC 2D DCIP format to run a 2D inversion.

In general, the quality of the raw data is good and the repeatability is excellent. Overall ground contacts were good and very good current injections were obtained on almost all lines.

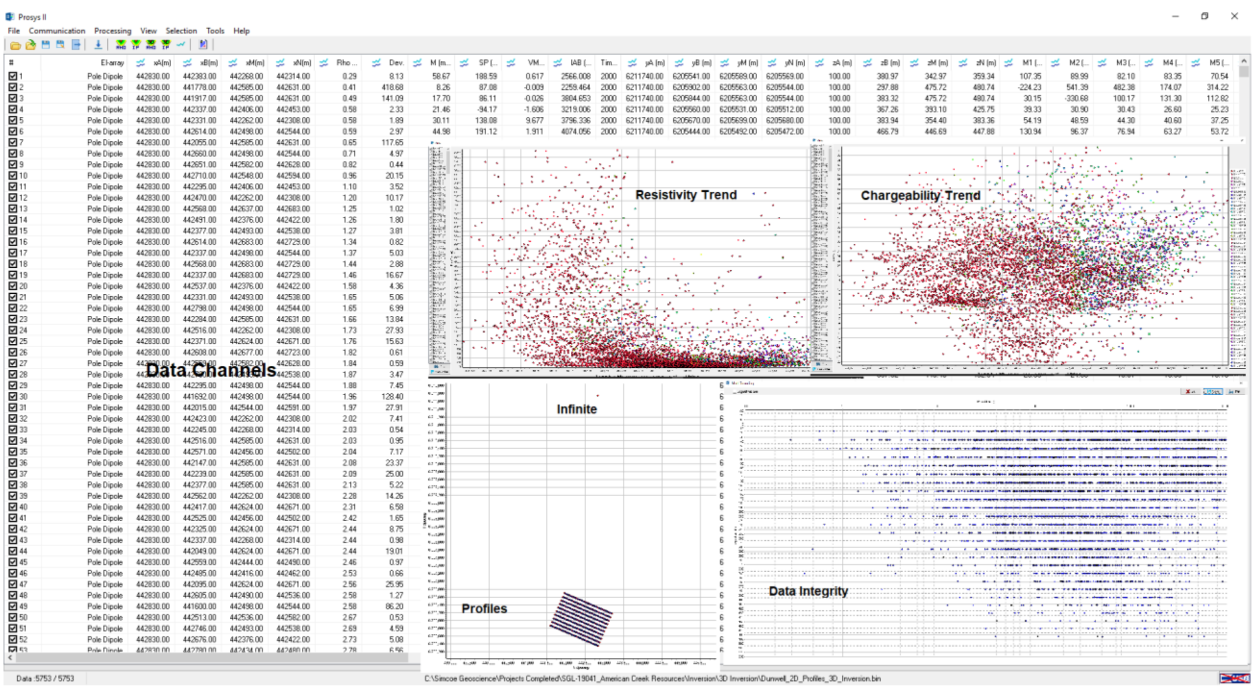


Figure 2-11: Data processing images of IP data shown in different views from the ProSys processing software.

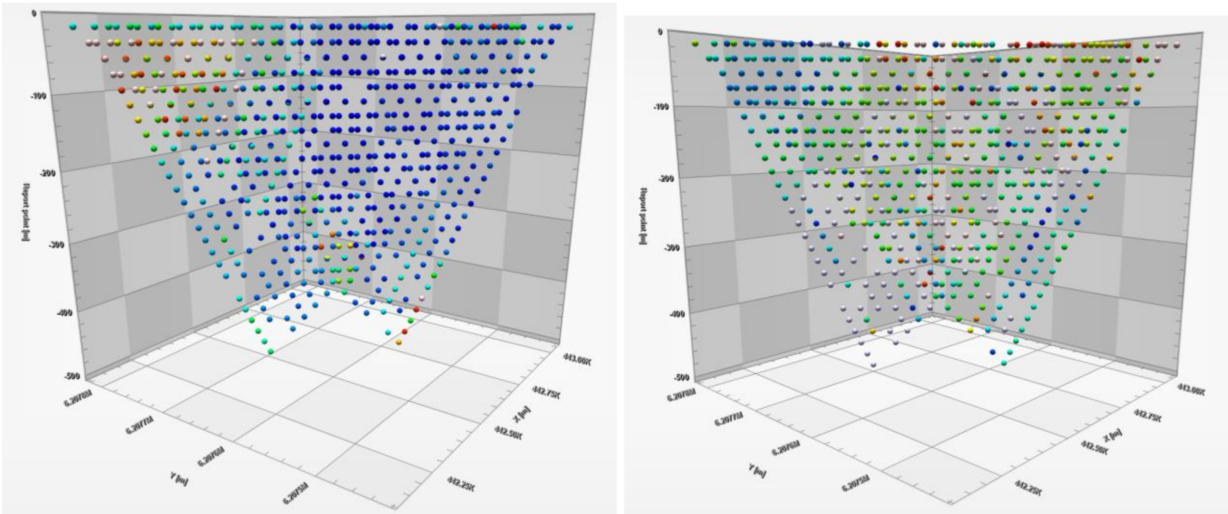


Figure 2-12: Post processing of data, resistivity (left) and chargeability (right) pseudo-sections.

2.4 2D Inversions

The primary exploration tool for evaluating the resistivity and IP data is through the inversion of the data in two-dimensions (2D). The goal of the inversion is to generate an earth model which acceptably reproduces the observed field data. However, two inverse problems have to be resolved. Firstly, the DC potentials are used to recover the electrical conductivity (σ), and secondly, the IP data are used to recover the chargeability (η). An inversion model depends not only on the data collected but also on the associated data errors in the reading and the "model norm". It is also a good practice that inversion models be reviewed in context with the observed data (raw pseudo-sections), model fit, and with an understanding of the model norm used. Importantly, the data are noise contaminated; therefore we don't want to fit them precisely as some noise contaminated data could lead to the introduction of inversion 'artifacts'. An inversion 'artifact' translates into a step up or down in resistivity or chargeability model values, usually around the periphery of the model to a level that is not logically reasonable. A perfect fitting of the calculated data set with the measured data set is generally not practical because it creates a 'forced' earth model and some features observed in the constructed model would assuredly be artifacts of the noise.

The error of each data point is adjusted for the inversion process using a general error equation similar to:

$$errors\begin{pmatrix} Vp \\ IP \end{pmatrix} = \mathrm{A}\% \begin{vmatrix} Vp \\ IP \end{vmatrix} + B \times \mathrm{Acq\_Error}\begin{pmatrix} Vp \\ IP \end{pmatrix} + C\ (\mathrm{floor})$$

with the set of parameters $\{A, B, C\}$ adjusted (and large errors data points removed) for each dataset until we achieve convergence with relaxation of the resistivity or chargeability models (see example of Model Norm fit curve on (Figure 2-13).

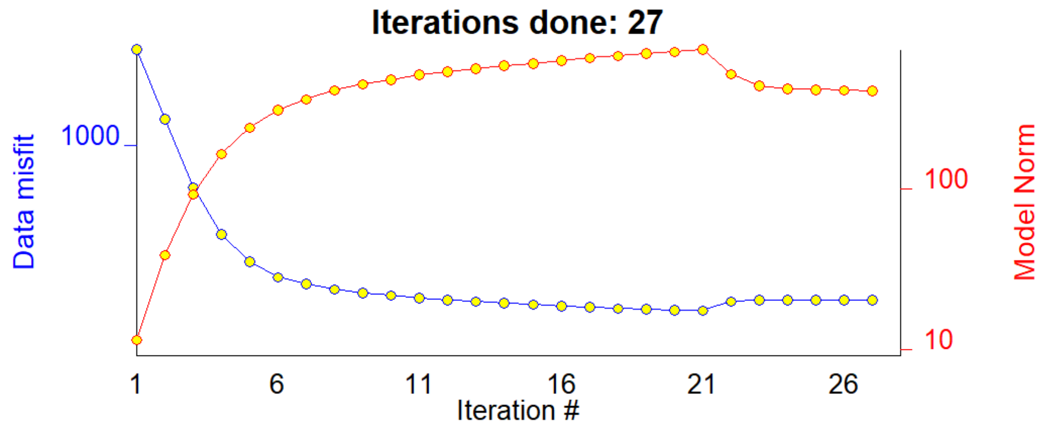


Figure 2-13: Example of inversion misfit curves showing relaxation of the model.

The 2D inversions are carried out along each line to produce cross-sections of the resistivity and chargeability variations along the survey lines. The UBC ***DCIP2D*** (UBC-GIF) inversion suite[1] (Oldenburg & Li, 1994) is used for the 2D inversion of the DC and IP data:

1. DCINV2D: program to invert DC potentials to recover a 2D conductivity model.
2. IPINV2D: program to invert IP data to recover a 2D chargeability model.

The programs use the potential difference (voltage) and apparent chargeability values as input data. Estimated errors (see above) on the resistivity and IP data are included in the inversion.

The resistivity data is inverted using an unconstrained 2D inversion with a homogenous half-space of average input data as starting model. The resistivity models are labeled as *2D Resistivity*. The IP inversions are calculated from the same data set and parameters; however these models[2] use a previously calculated *2D Resistivity* model as the reference model. They are labeled the *IP Chargeability* model.

In general, the use of the previously calculated *Resistivity* model as a starting model is considered to be theoretically better, but some features on the *Resistivity* model might introduce 'artifacts' or 'false anomalies' on the *IP Chargeability* models. For example, it can be shown that the UBC code tends to add a very strong IP anomalous response below a very conductive overburden where this is not supported by the data. This appears due to the strong resistivity contrast on the *Resistivity* model. In this situation it is also a good practice to consider the half space reference *IP Chargeability (HS)* model which uses a constant resistivity value close to the area average as this will be not 'constrain' the IP by any pre-defined (resistivity) structure. This allows comparison of models and this can be used to validate chargeability anomalies. For this study there were few models generated with a constant resistivity reference model as we observed no change between the two models giving us confidence of the validity of the presented models.

The *Resistivity* and *Chargeability* inversions use the same mesh. The horizontal mesh is set as 4 cells between electrodes. The vertical mesh is designed with a cell thickness from 10m for the first few hundred's meters to accommodate the topographic variation along the profile, and then it increases from 20 to 100m with depth (Figure 2-14). The inversions were generally run for a maximum of 100

[1] A comprehensive theory and methodology for 2D inversions for those programs is also available at www.eos.ubc.ca/ubcgif.
[2] The reference model is used to calculate the sensitivity matrix used at each iteration for the IP inversion.

Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com

iterations, Figure 2-15 displays the parameters used for inversion. Topography has been incorporated into the final inversion models.

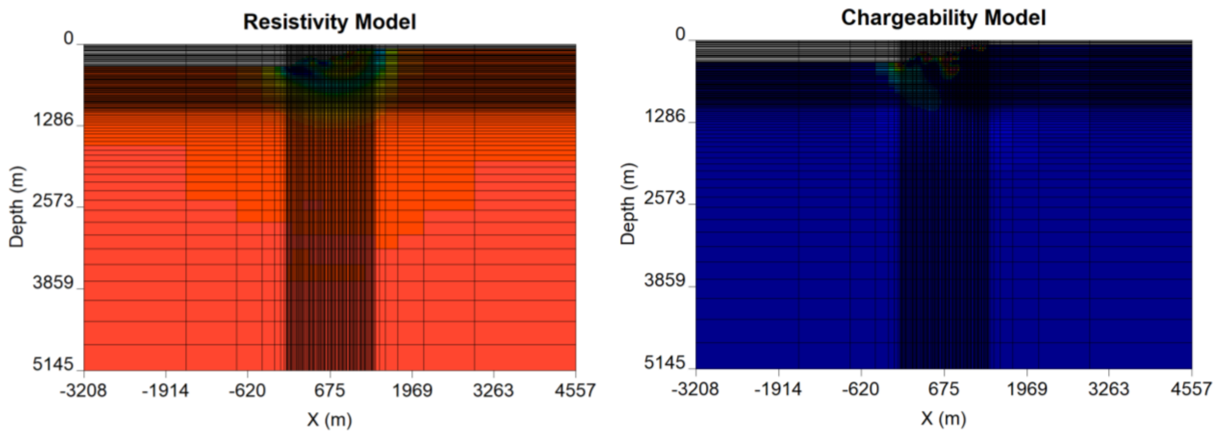


Figure 2-14: Example of resistivity and chargeability mesh used for Dunwell Mine project.

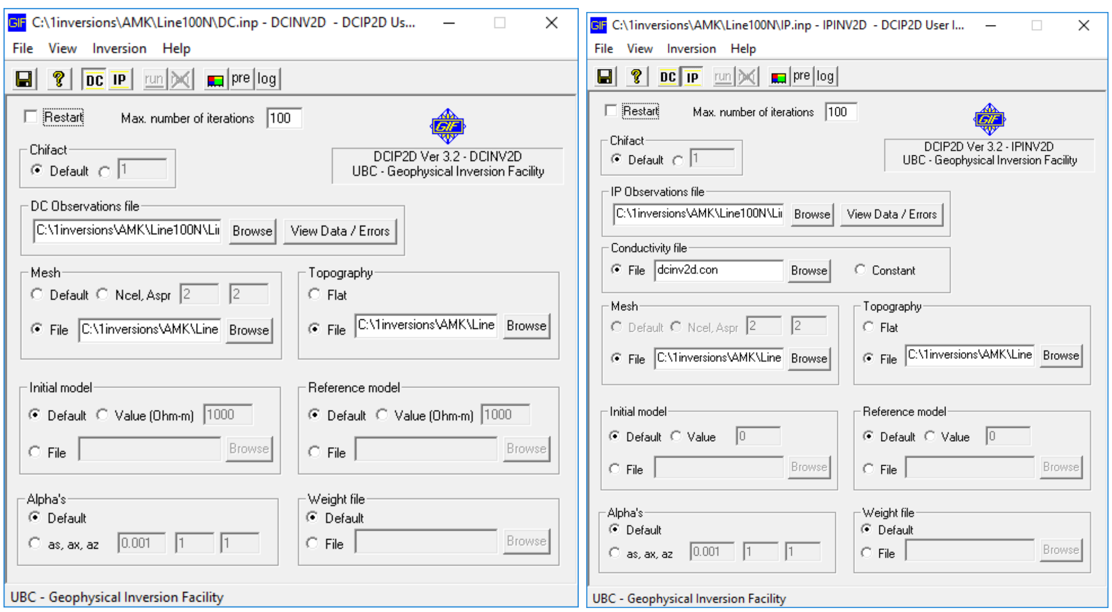


Figure 2-15: Example of resistivity and chargeability mesh and inversion parameters.

Before exporting the final inversion models for plotting, each inversion model is examined with observed apparent data with predicted results (Figure 2-16). The final inversion models are presented graphically in Geosoft plot format along with an interpretation overlay and comments on the most significant anomalous zones.

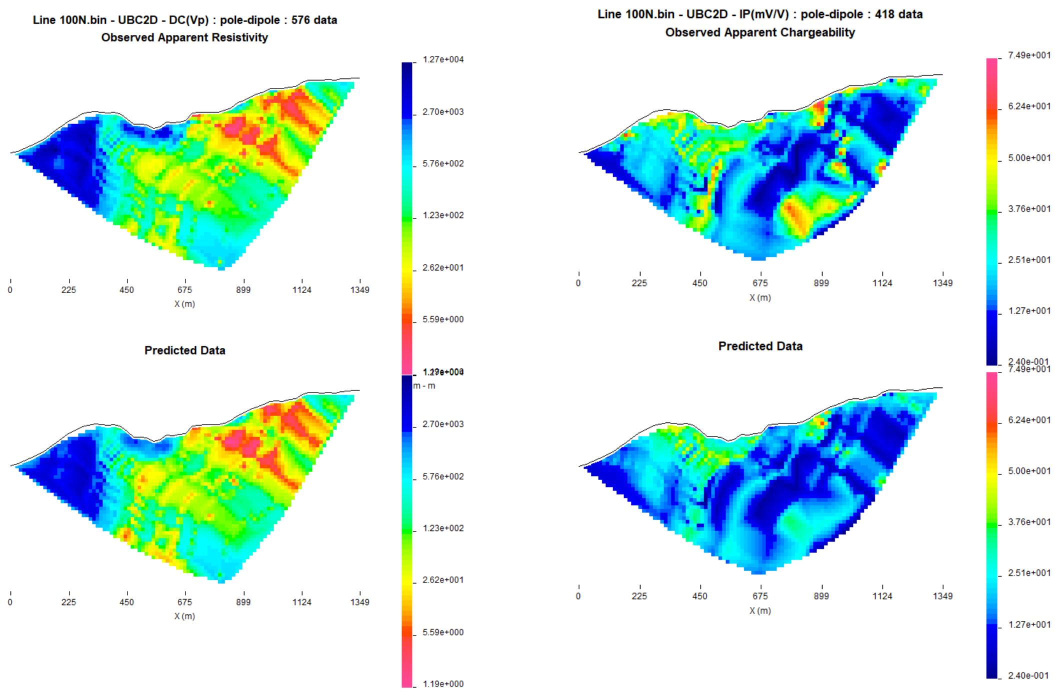


Figure 2-16: Comparison of observed apparent data with predicted models.

2.5 3D Inversions

Data that was originally collected along 2D line setup was then utilized in 3D inversions (Figure 2-17). The goal of the 3D inversion is to recover an earth model which acceptably reproduces field observed data. A preconditioned data set is used to generate 3D earth model and the same rules apply to the 3-D modeling with regard to fitting the data too precisely, as some noise contaminated data could lead to introduce inversion ‘artifacts’. Conversely, under-fitting the data could lead to an underestimate of the conductivity information coded in the data, which could possibly generate biased earth model. The objective therefore is neither to under fit nor over fit the data. Rather, a model that reproduces the data only to within an amount that is justified by the estimated uncertainty in the data.

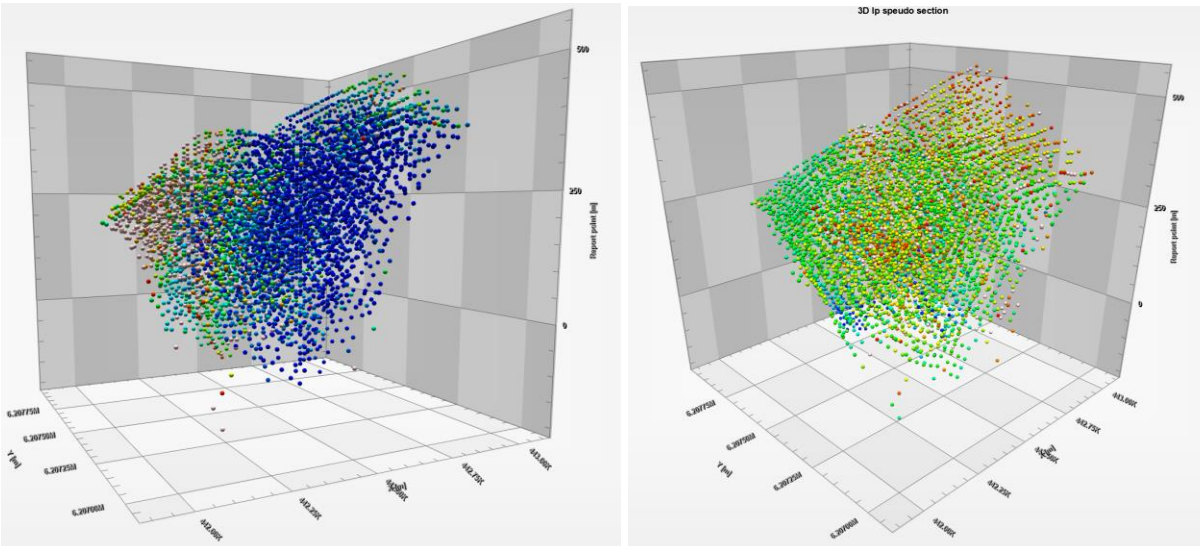


Figure 2-17: Post processing of data, resistivity (left) and chargeability (right) pseudo-sections.

The inversion routine used by ZONDRES3D program is based on Finite-element method as mathematical apparatus is used to solve forward and inverse problem. It gives best results in comparison with mesh methods [Dey&Morrison, 1979; Lowry, 1989].

For point source field modeling medium is divided into triangle cells grid with different resistivity. Potential behavior inside grid cell is approximated by linear basis function.

$$N(x,z) = \frac{(a + bx + cy + dz)}{2A} \tag{1}$$

$$\frac{\partial}{\partial x}\left(\sigma \frac{\partial \phi}{\partial x}\right) + \frac{\partial}{\partial z}\left(\sigma \frac{\partial \phi}{\partial y}\right) - \frac{\partial}{\partial z}\left(\sigma \frac{\partial \phi}{\partial z}\right) = -I\delta(x)\delta(z) \tag{2}$$

$$\frac{\partial \phi}{\partial n} + \nu \cdot \phi = 0 \tag{3}$$

where ϕ – spectral potential value, λ – spatial frequency, I - current strength value, σ – medium electro-conductivity, δ - Dirac delta function.

Least squares method with regularization is used for inverse problem solution (inversion). Regularization increases solution stability and allows receiving smoother resistivity and potential distribution [Constable, 1987].

$$\left(A^T W^T W A + \mu C^T R C\right)\Delta m = A^T W^T \Delta f - \mu C^T R C m \tag{4}$$

where *A* – the Jacobian matrix of partial derivatives, *C* – smoothing operator, *W* – relative error matrix, *m* – section parameters vector, *μ* - regularizing parameter, Δ*f* – discrepancy vector between observed and calculated values, *R* – focusing operator.

During inverse problem solution development special attention was devoted to a priori information accounting (data weights, parameters turndown).

Topographic data is incorporated into the model by using a distorted finite-element grid, where the surface of the grid matches the topography.

3D Resistivity and Chargeability inversions were carried out using non-uniform mesh. The default parameters were used to define the inverse process as well as to produce models with highest resolution and minimum artifacts.

A homogenous half-space of average input data is used as starting model for resistivity inversion. The chargeability inversion was completed with the 3D conductivity model input calculated from resistivity inversion.

Figure 2-18 shows a non-uniform mesh with 54 cells in X direction, while 18 cells in Y direction were used for both models. However a uniform mesh of 25m cell size was used in horizontal directions, vertical cells start with 10m with an exponential increment of 1.1 with depth. Prior to final 3D models, a number of coarser and finer meshes with larger and smaller cell sizes as well as internal parameters of inverse process were used in the preliminary runs to test the model convergence and results. The parameters used in the final 3D inversions are summarized in Table 2-1.

Table 2-1: Summary of the data and parameters used in the 3D inversions.

Model	***Dunwell 3DRES***
No. of lines	10
Data Files	Dunwell 3DRES.dat
Reference Model	Homogeneous Half Space
No. of blocks (without padding)	X (EW): 54, Y (NS): 18, Z (elevation): 19
Block size (m)	M_x=25m, M_y=50m, M_z=500m
No. of iteration	10
Inversion time (h)	5.2
(%) Data misfit	9.4×10^3 @iter 7
No. of data	5753
No. of cells in model	46816

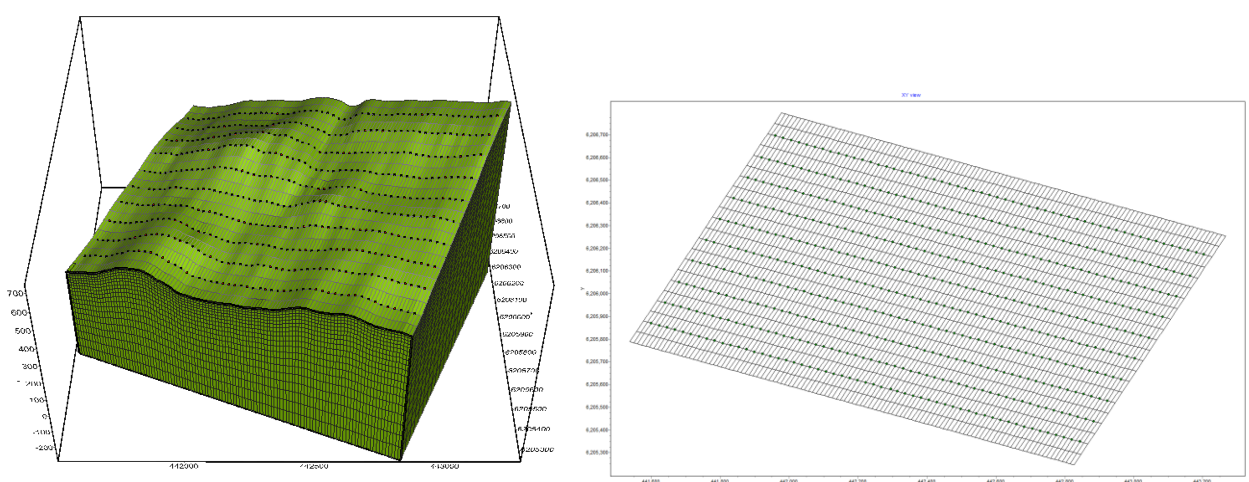


Figure 2-18: Dunwell Mine 3D inversion mesh with topo incorporated, Alpha IP profiles shown in 3D and plan views.

Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com

3 RESULTS

3.1 Discussion of Results

This section presents the 2D and 3D inversion results of resistivity and chargeability in cross-sections, plan maps and volumes, with the aim of providing detailed descriptions of the interpreted geological contacts or faults, chargeability zones, conductive trends and selected anomalies (if any), on a line-by-line basis. The structure and lithology is interpreted mainly from the resistivity sections. IP chargeability can be an indicator of presence of sulfides that are associated with gold and copper mineralization at Dunwell Mine property. Anomalous chargeability data are used to help target areas for further exploration work including detailed geological mapping and drilling.

The quality of the raw resistivity and chargeability data is good for all the surveyed lines. Overall ground contacts (electrical grounding of the probes) were good as the contact resistance at transmit and receiving dipoles were low. The range of current injected in the ground was between 1 amp to 7.5 amps with the exception of few locations where currents were as low as 1 amp. Generally, the IP decay curves are clean, however some noisy decay curves were also observed at larger n values, which were removed from the final inversions. The current was injected for at least 5 minutes at each injection location to stack measurements thereby improving the signal quality.

A total of twenty (20) 2D inversion models along ten (10) lines were generated to present resistivity and chargeability survey results. Sections were gridded using the minimum curvature gridding algorithm, resistivity sections are plotted on log-linear scale while chargeability sections are on linear scale. The inversions were generally run with successive removal of poorly fitting data and error adjustment before arriving at the final 2D models. Some data acquired with large transmit-receiver separations (deeper data) were not of high quality and were removed prior to inversion. The 2D models along each profile are presented to a maximum depth of 400m.

The 3D inversions were also completed by including all ten profiles. Two separate unconstrained 3D resistivity and chargeability inversions were carried out using the identical mesh. The user defined parameters were used to define the inverse process as well as to produce models with highest resolution and minimum artifacts. Although all data are considered to be of good quality, Simcoe recommends caution in targeting deep anomalies based only on geophysics.

A complete set of sections and plan maps are included in Appendix B.

The smooth resistivity and chargeability models were used for the interpretation and targeting. The DC resistivity method is used to resolve the structure and lithology of the subsurface by measuring the electric potential (DC). Resistivity can be an indicator of metallic mineralization, but is more often than not controlled by rock porosity and is therefore an indirect indicator of alteration and mineral grain fabric.

In the induced polarization method, electrical capacitance (chargeability) of the subsurface is measured. Chargeability is a near-direct indicator of the presence of sulphide mineralization, in both massive and disseminated forms. The gold mineralization in the area is associated with sulphide mineralization; hence the IP method is a good tool. Chargeable mineralization is most commonly various sulphides minerals and graphite making it a useful tool for base-metals exploration. In addition, there is also a response to clay rich rock of the shale variety.

The interpreted results do not necessarily represent mineralization, mineral grade, and/or the full extent of the sources of the anomaly; furthermore they are not intended for metal differentiation. Different geological, structural and mineral assemblages may produce anomalies with similar response amplitude, shape, orientation and size. All the above factors can be combined to yield alternative interpretations of the same geophysical response.

The presented plans and sections use consistent and constant colour bars. The chargeability ranges from 0mV/v – 35mV/v for chargeability and 10Ωm - 3500Ωm for resistivity. The cool colors (blue) for resistivity represent high resistivity and hot colors (red) represent high conductivity, while in chargeability color bar, hot (red) represent high chargeability and cool (blue) low chargeability responses. The dynamic ranges used in this report are relative and specific for this project. The interpretation legend and colour bars used in this interpretation are illustrated in Figure 3-1.

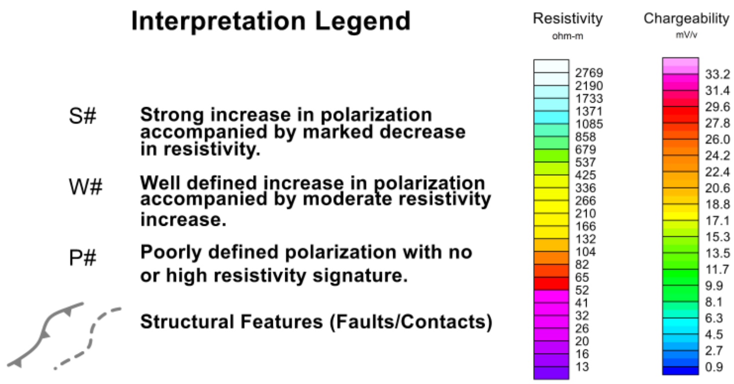


Figure 3-1: Interpretation legend with symbols and color bars.

The interpretation presented in this report is oriented to target resistivity and chargeability anomalous zones that might indicate the presence of gold and copper mineralization, alteration zones and geological structures (faults, contacts, etc.) which may be potentially related to economic mineralization in the Dunwell Mine property. An effort is made to show a correlation between historic tunnels, regional faults and their geophysical signatures. In addition the structural interpretation of the 2D sections explains the potential dip and extension of the faults and contacts at greater depth.

The characteristics and locations of the targets, along with the structural interpretation of the 2D sections are described in the following sections of the report. The interpreted resistivity and chargeability anomalous zones were classified according to the anomaly amplitude, size and multi-parameter (resistivity & chargeability) association as follows:

- *First priority targets (S#):*
    - Moderate to small area (>150x150m) anomalies exhibiting a strong increase in IP response >30 mV/v, accompanied by a marked decrease in resistivity (<200 Ohm-meters); interpreted to be consistent with semi-massive sulphide with potential for gold and copper mineralization and are at shallow to moderate depth. The anomalies in this group are potentially related to structurally controlled sulphides and gold mineralization associated with tellurium (tourmaline breccia).
- *Second priority targets (W#):*
    - Large to moderate area (150x150m) anomalies exhibiting a well-defined increase in IP response (>25 mV/v), by a marked resistivity decrease (<1000 Ohm-meters); interpreted to be consistent with disseminated to semi-massive sulphide with potential for gold and copper mineralization. The anomalies in this group are offset from structures potentially related to gold mineralization.

- *Third priority targets (P#):*
    - Large area anomalies (~200x200m) exhibiting a poorly defined IP response (<20 mV/v), with no resistivity signature (>2000 Ohm-meters); interpreted to be consistent with alteration zones with weak to disseminated sulphide mineralization at depth.

3.2 Interpretation

Alpha IP lines for the Geophysical Interpretation Report are displayed in "stacked" plan view in Figure 3-2 for the IP chargeability and resistivity.

The "stacked" plan and section maps are an effective means of illustrating the major line-to-line features and trends that are apparent from the inverted data, but not necessarily obvious when viewing the individual line sections. The dense line spacing for this project was good to map the local and regional geological trends and structures, if one was to only view the data in cross-section (2-D) format, the larger, more regional and consistent features may be miss-identified. The complete individual sections for the IP chargeability and resistivity are included in page-size print form in Appendix B.

The IP Chargeability suggests that the Dunwell grid is dominated by near surface strong chargeability responses to a depth of 300m in the eastern half of the survey grid. The western half is relatively weak chargeability. The resistivity suggests that the Dunwell grid is dominated by near surface conductive features that may extend to depth and are potentially associated with deeper structures in the eastern half. Low resistivity linear trends appear to be coincident with the dominant NE-SW geologic strike direction and the apparent dip appears to be to the north-northwest. The western half shows high resistivity from near surface to a depth more than 300m. In addition, geological and structural contacts are easily apparent from the resistivity distribution, while IP chargeability is an indication of formational / geological gradual transitions.

Alpha IPTM survey has resulted in the identification of the principal structures on the property are related to a series of major sub-parallel, north to north-northeast trending, sub-vertical transcurrent (strike-slip) faults. Numerous drill holes and historical workings are present in the area and are crossed by or in close proximity to the current Alpha IPTM survey lines, the potential signature of these historical workings can be interpreted with Alpha IPTM results for future exploration.

From a review of the stacked plan maps it is apparent that there is a major difference in the resistivity and chargeability signatures between the western portion of the Dunwell property and the eastern portion. The major feature appears to be related to the contact and/or fault zones. The western half of the grid illustrates very high resistivity zones and can be mapped to a depth of 300m. However the eastern portion shows moderate to low resistivity distribution with isolated conductive zones. The general chargeability of Dunwell grid is in the range of 0-35 mV/v with a background chargeability of 15mV/v. The strong chargeability responses are observed in the central and eastern half of the grid. The strong chargeability and moderate to low resistivity corresponds well in the eastern half. This confirms the major feature appears to be the contact (and/or fault zone) and potentially associated with the alteration zones.

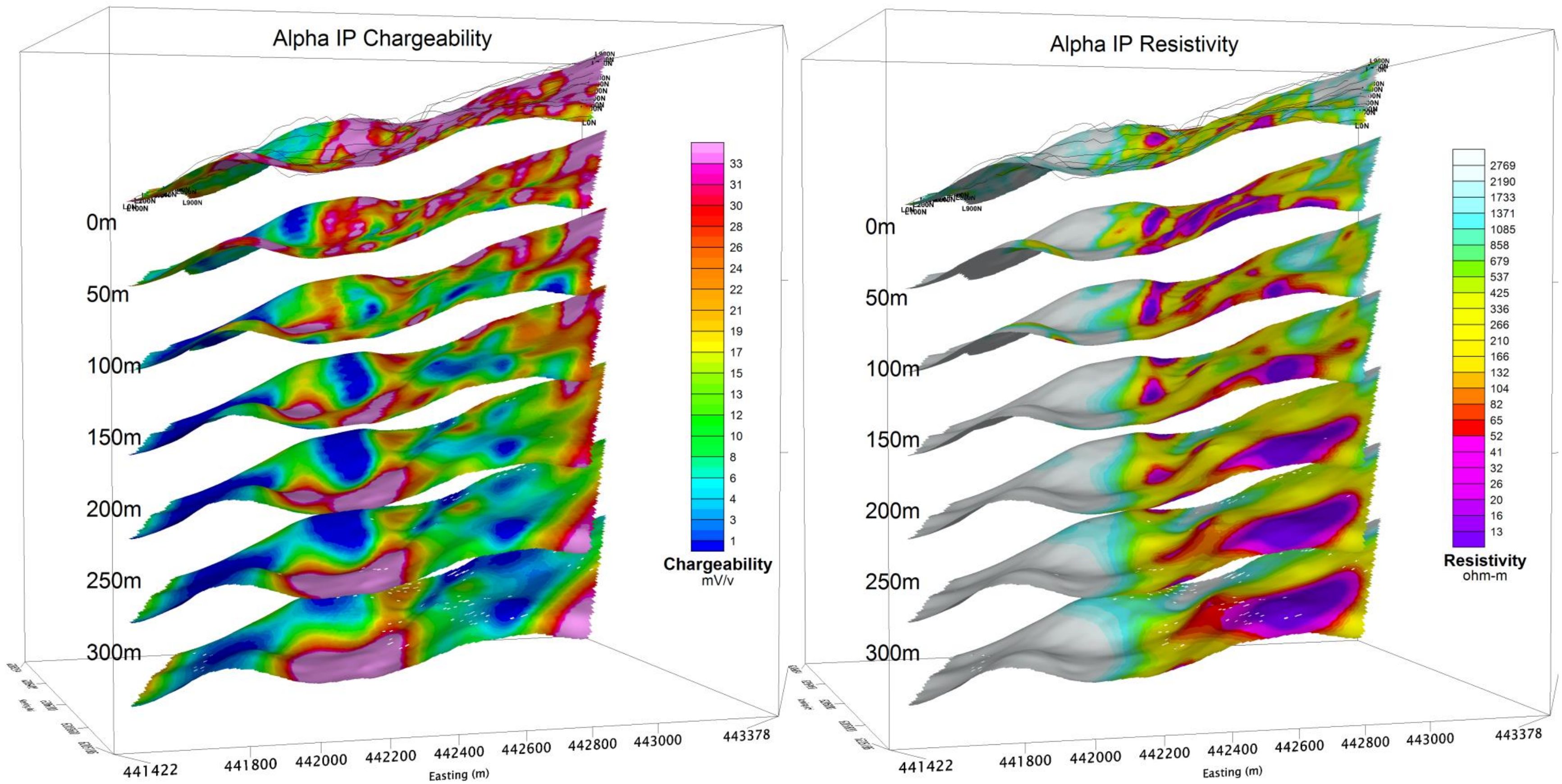


Figure 3-2 :Alpha IP Chargeability (left) and Resistivity (right) stacked plan maps for 0 m, 50 m , 100 m, 1500 m, 200 m, 250 and 300 m depth slices.

A comprehensive interpretation of plan maps for both chargeability and resistivity at depths of 0m, 100m 200m and 300m (Figure 3-3, Figure 3-4, Figure 3-5 & Figure 3-6) and line by line sections (Figure 3-7, Figure 3-8, Figure 3-9, Figure 3-10 & Figure 3-11) are presented in the next section to analyze both the lateral and vertical changes in resistivity distribution as well as chargeability responses. The interpreted plans illustrate the anomalous zones with possible structures present in the area based on geophysical data.

At Dunwell Mine project, Alpha IP™ survey helped to resolve thirty seven (37) anomalous zones along ten (10) profiles, which are considered as significant targets for follow up from surface to ~300m+ depth. Out of thirty seven (37) anomalous zones, fifteen (15) are considered first priority, sixteen (16) second and six (6) are third priority targets. The interpreted chargeability anomalous zones were prioritized and assigned an ID according to the anomaly amplitude, size, possible profile to profile continuation and multi-parameter (Resistivity and Chargeability) association. The anomalous zones consist of strong to moderate chargeability and their association with conductive to resistive zones. The Interpreted Anomalies with their relevant profiles are presented in Summary Table below. Dunwell Mine Anomaly Map shows locations of 1st, 2nd and 3rd priority interpreted targets along with historic drill holes and Dunwell tunnels.

The interpreted first priority ("S#") anomalous zones are generally small areas at shallow depths and the IP chargeability is commonly strong to well defined (>30 mV/v) with low to moderate resistivity (<200 Ωm) association. First priority zones show low resistivity gradient areas consistent with faults and shear zones with potential for structurally controlled gold and copper mineralization.

The interpreted second priority ("W#") anomalous zones are relatively larger area responses at shallow to moderate depths, where IP chargeability is well defined (>25 mV/v), with moderate to high resistivity (<1000 Ωm) association.

The interpreted third priority anomalous zones are generally deeper large area responses, where IP chargeability is poorly defined (>20 mV/v), without definite resistivity signatures (>3000 Ωm) association.

There are three additional non-anomalous zones that can be classified:

i. Very low resistivity features with no IP response are generally near surface and are believed to be thick sedimentary units.

ii. Very low near surface resistivity with weak chargeability represents weathered and saturated rock layers.

iii. Highly resistive units are potentially unaltered rock units from near surface to depths more than 350m.

Good resolution of sub-vertical to vertical structures (faults and contacts) was achieved along each profile and are explained by the sub-vertical features and gradient zones interpreted from the 2D sections. The faults and geological contacts are potentially associated with low resistivity and moderate to strong chargeability zones.

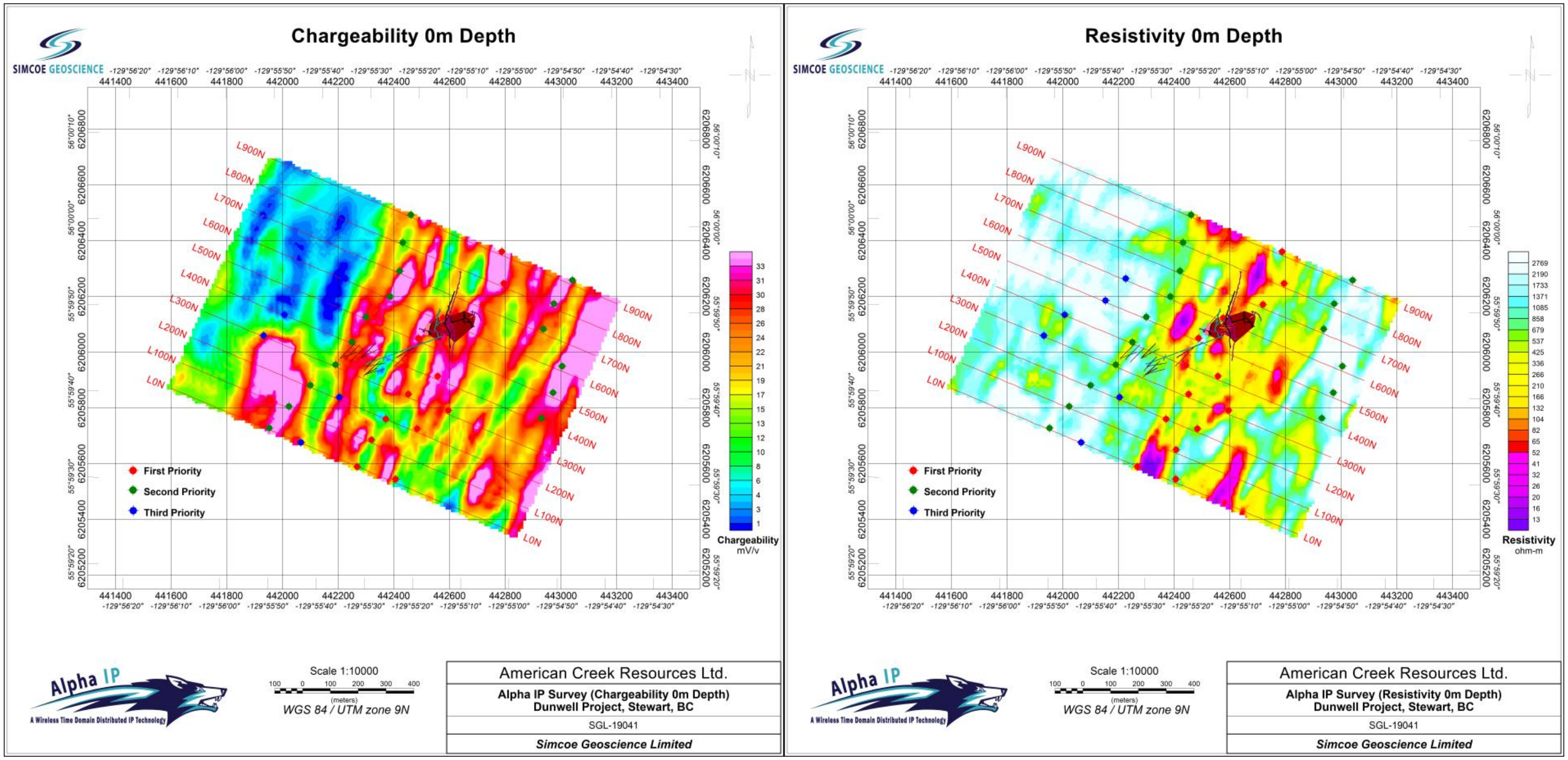


Figure 3-3: Interpreted targets at 0m depth over plans of chargeability (left) and resistivity (right). Historic drilling and workings are superimposed.

Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com

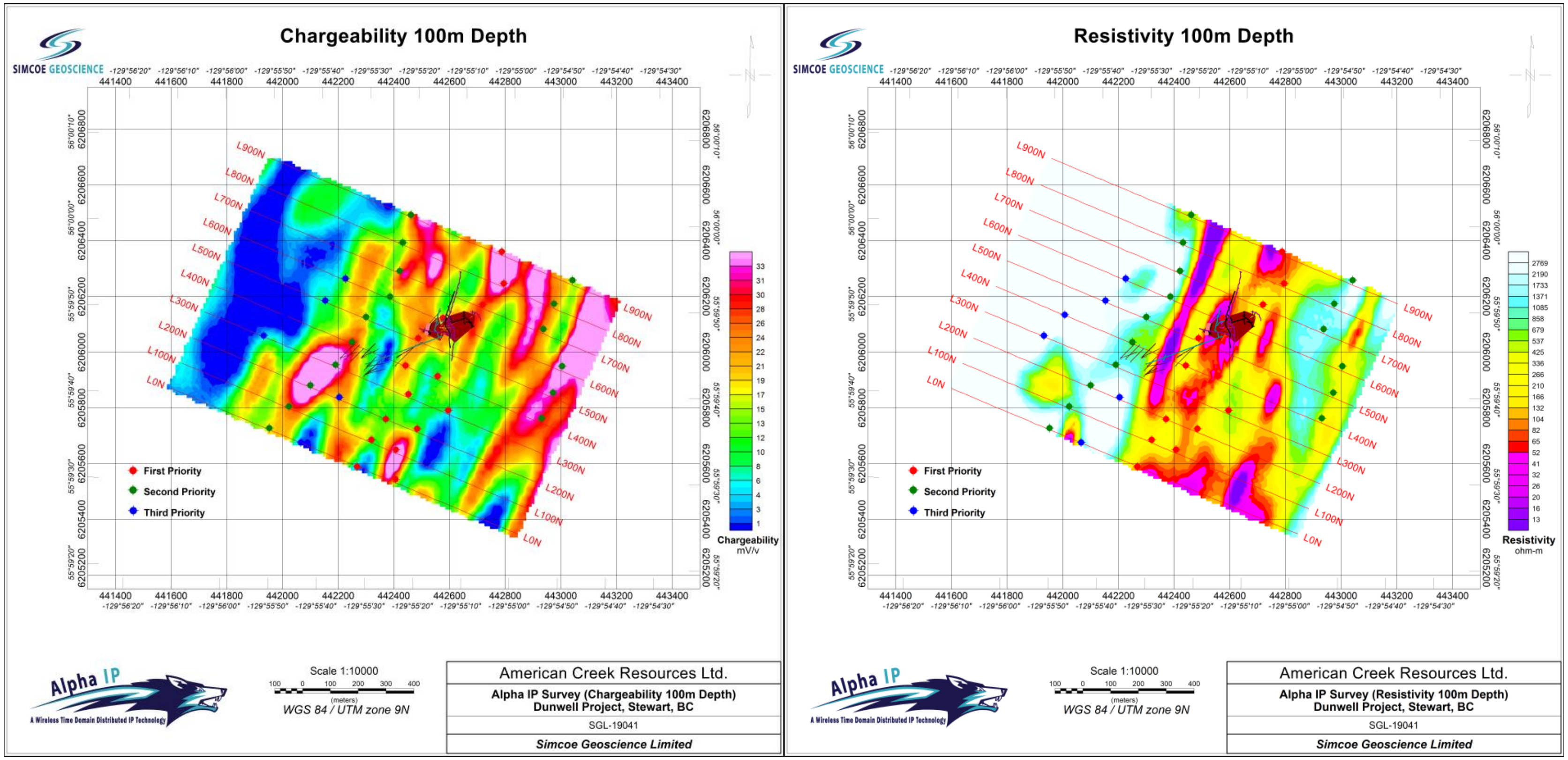


Figure 3-4: Interpreted targets at 100m depth over plans of chargeability (left) and resistivity (right). Historic drilling and workings are superimposed.

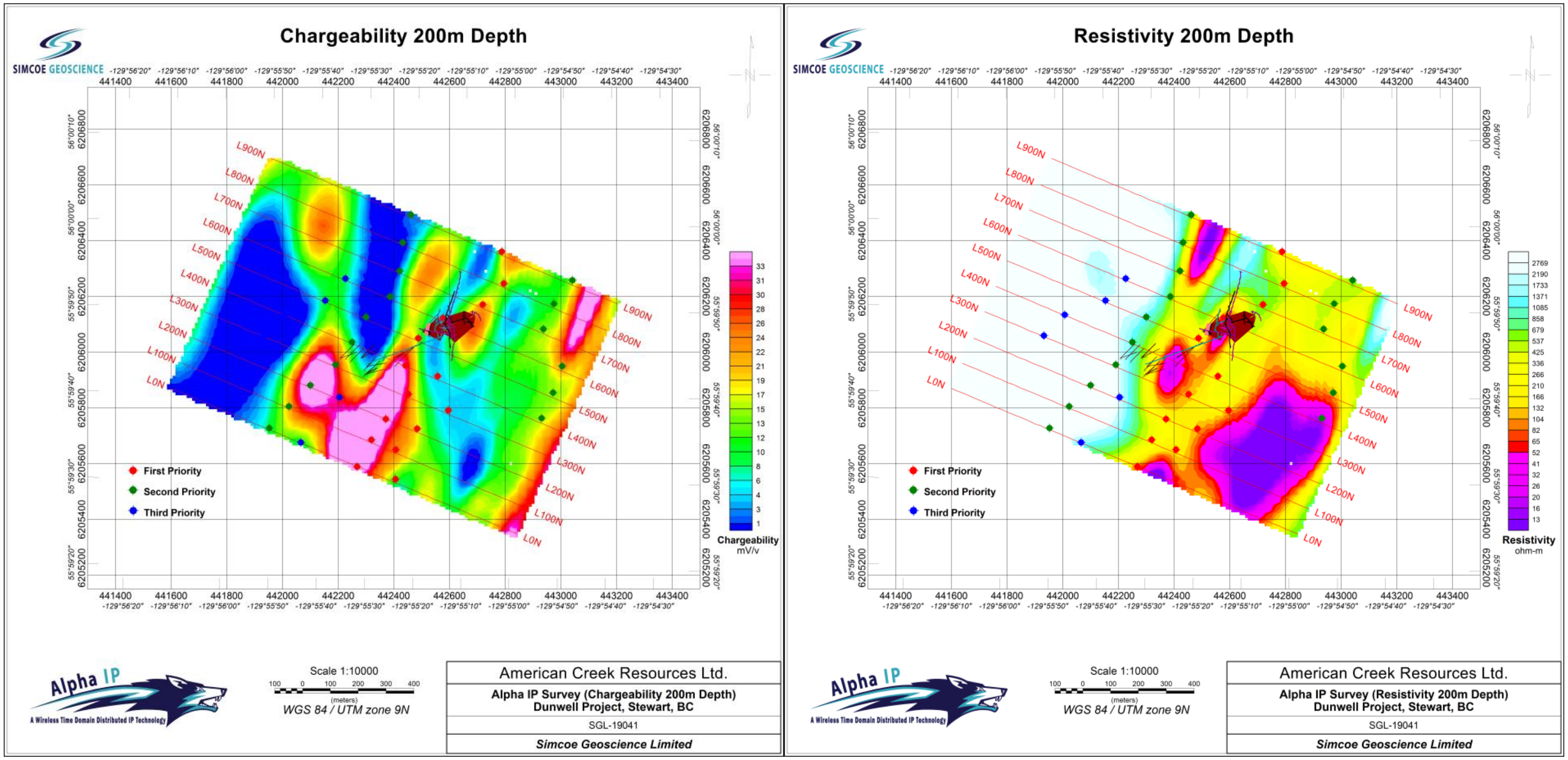


Figure 3-5: Interpreted targets at 200m depth over plans of chargeability (left) and resistivity (right). Historic drilling and workings are superimposed.

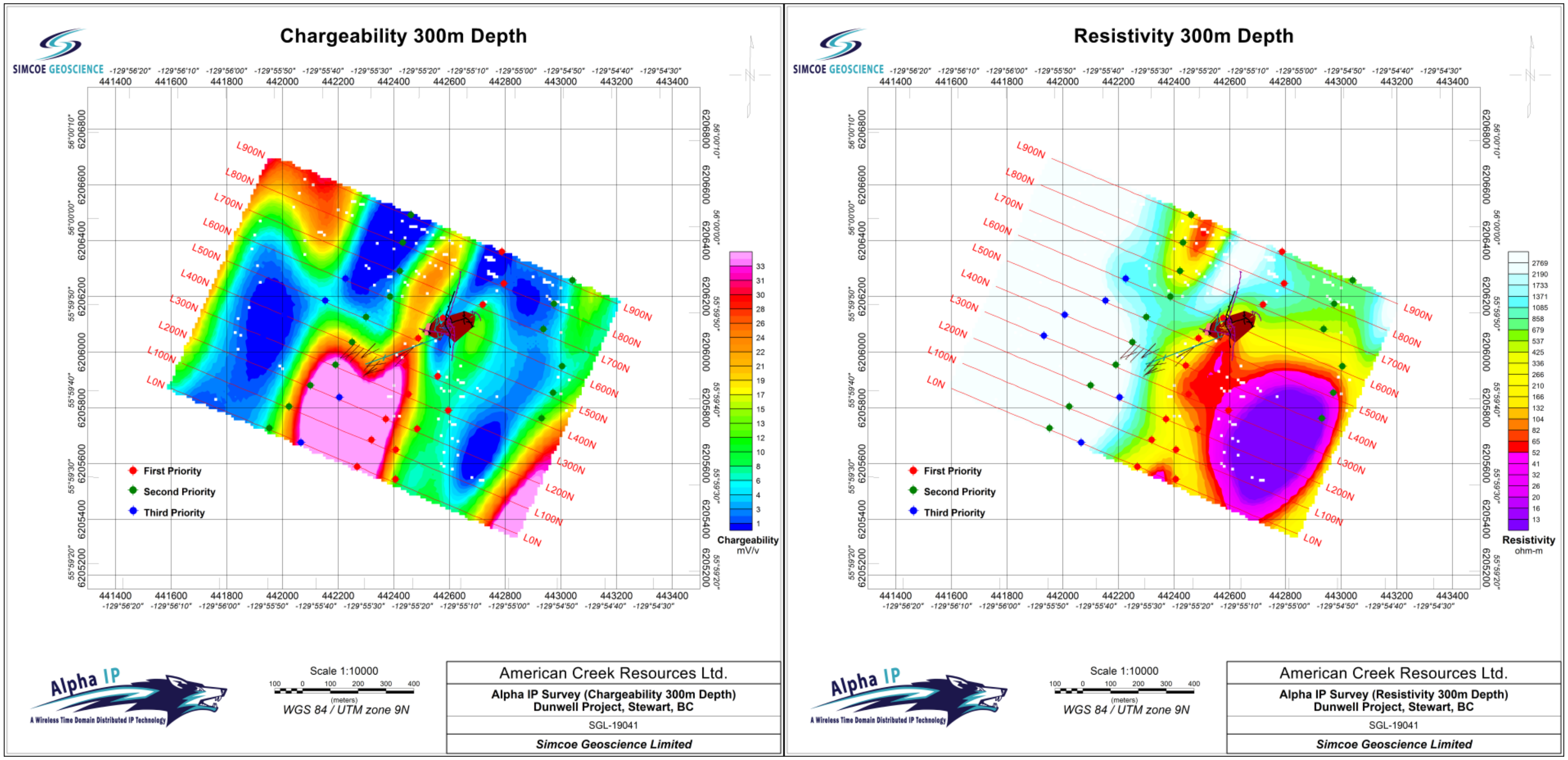


Figure 3-6: Interpreted targets at 300m depth over plans of chargeability (left) and resistivity (right). Historic drilling and workings are superimposed.

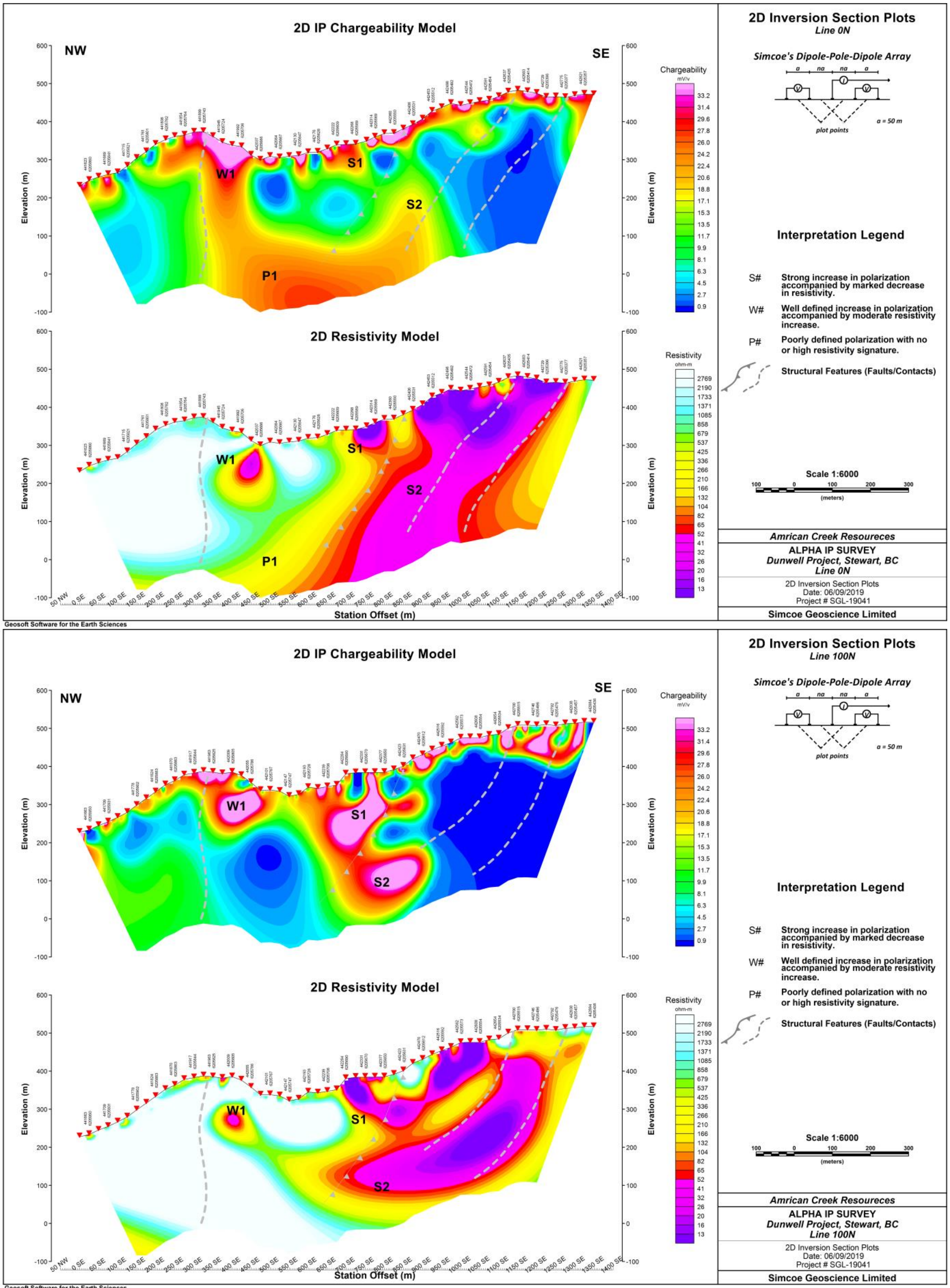


Figure 3-7: Interpreted anomalies (1st, 2nd & 3rd priorities) on L0N and L100N.

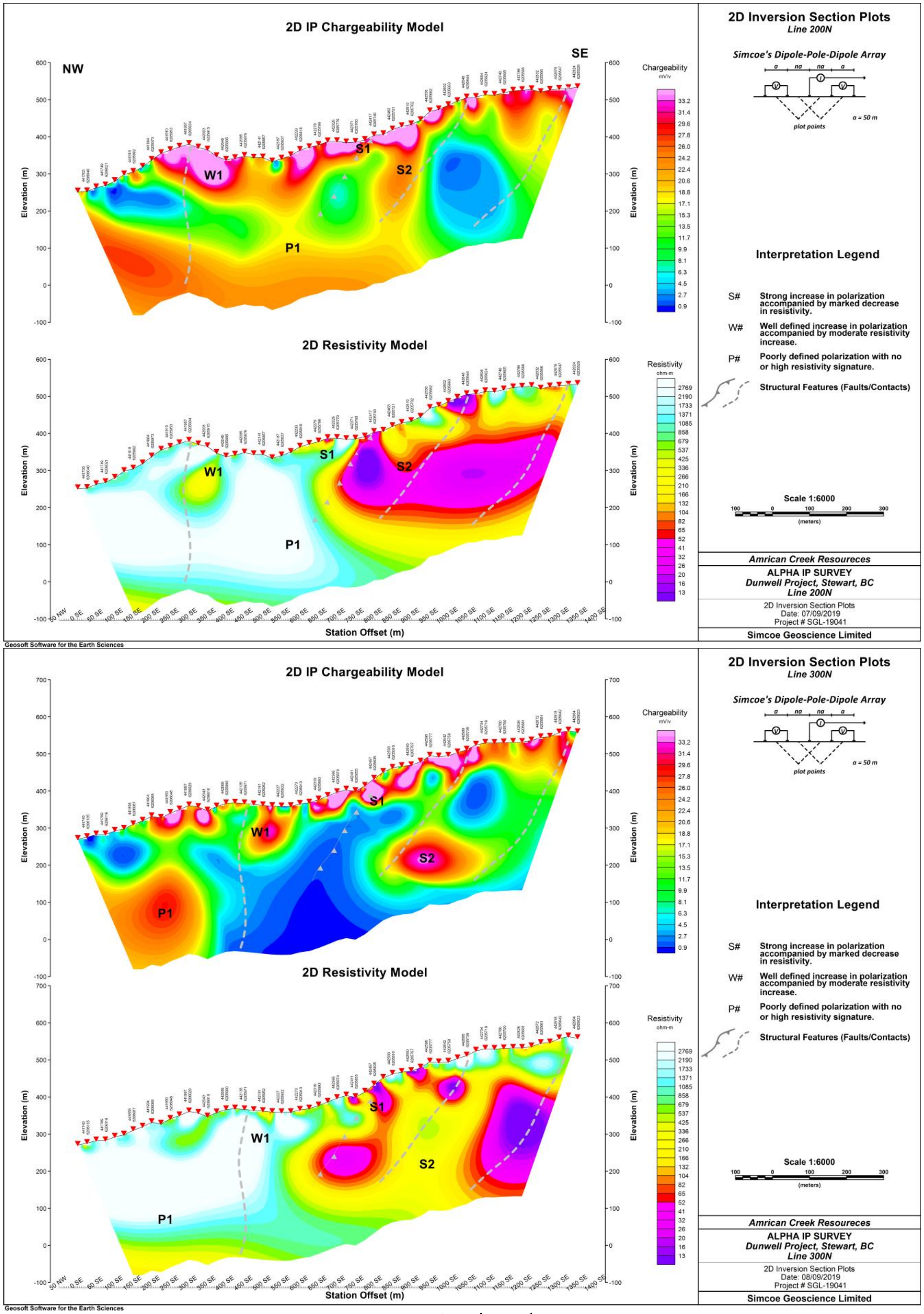


Figure 3-8: Interpreted anomalies (1st, 2nd & 3rd priorities) on L200N and L300N.

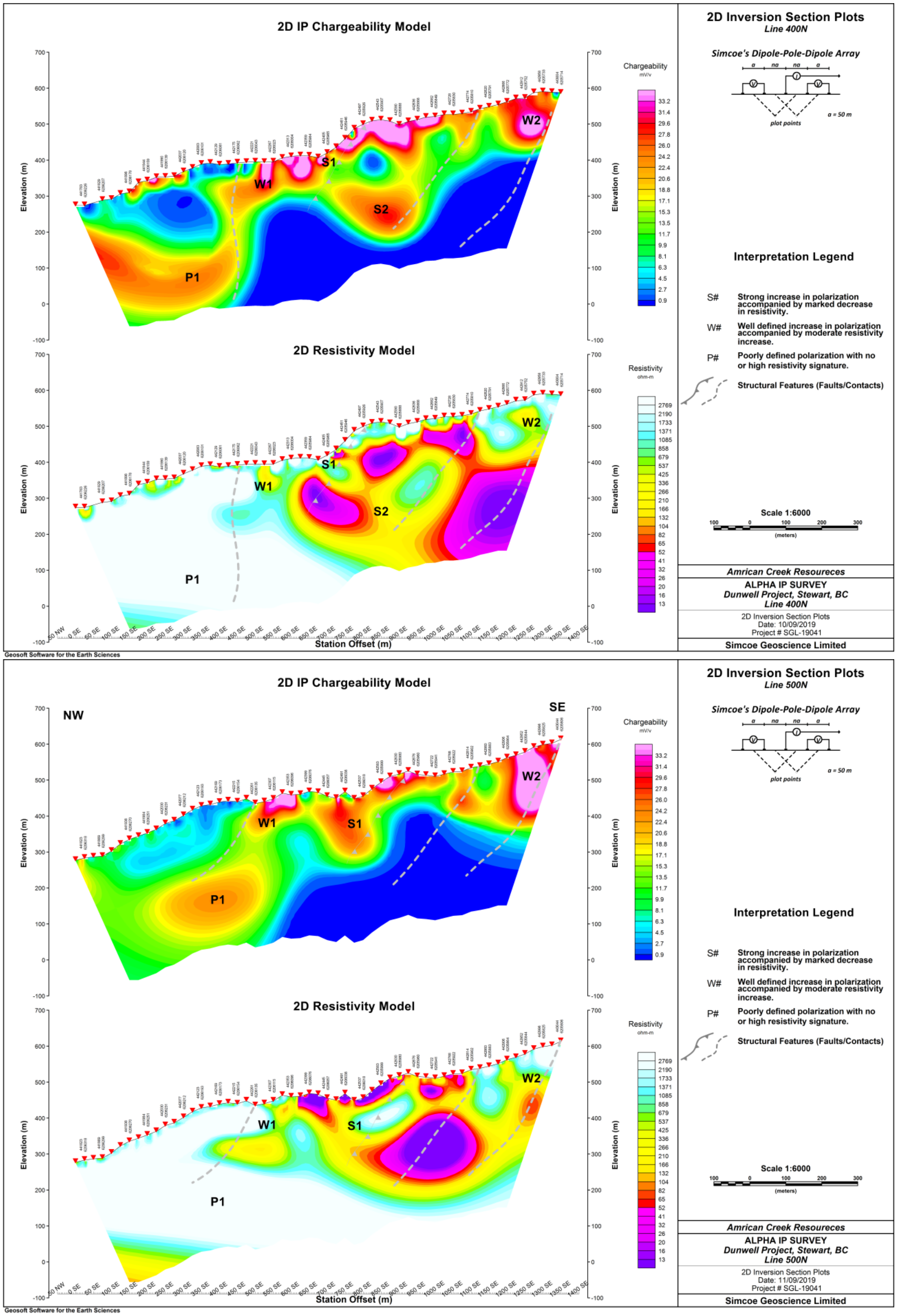


Figure 3-9: Interpreted anomalies (1st, 2nd & 3rd priorities) on L400N and L500N.

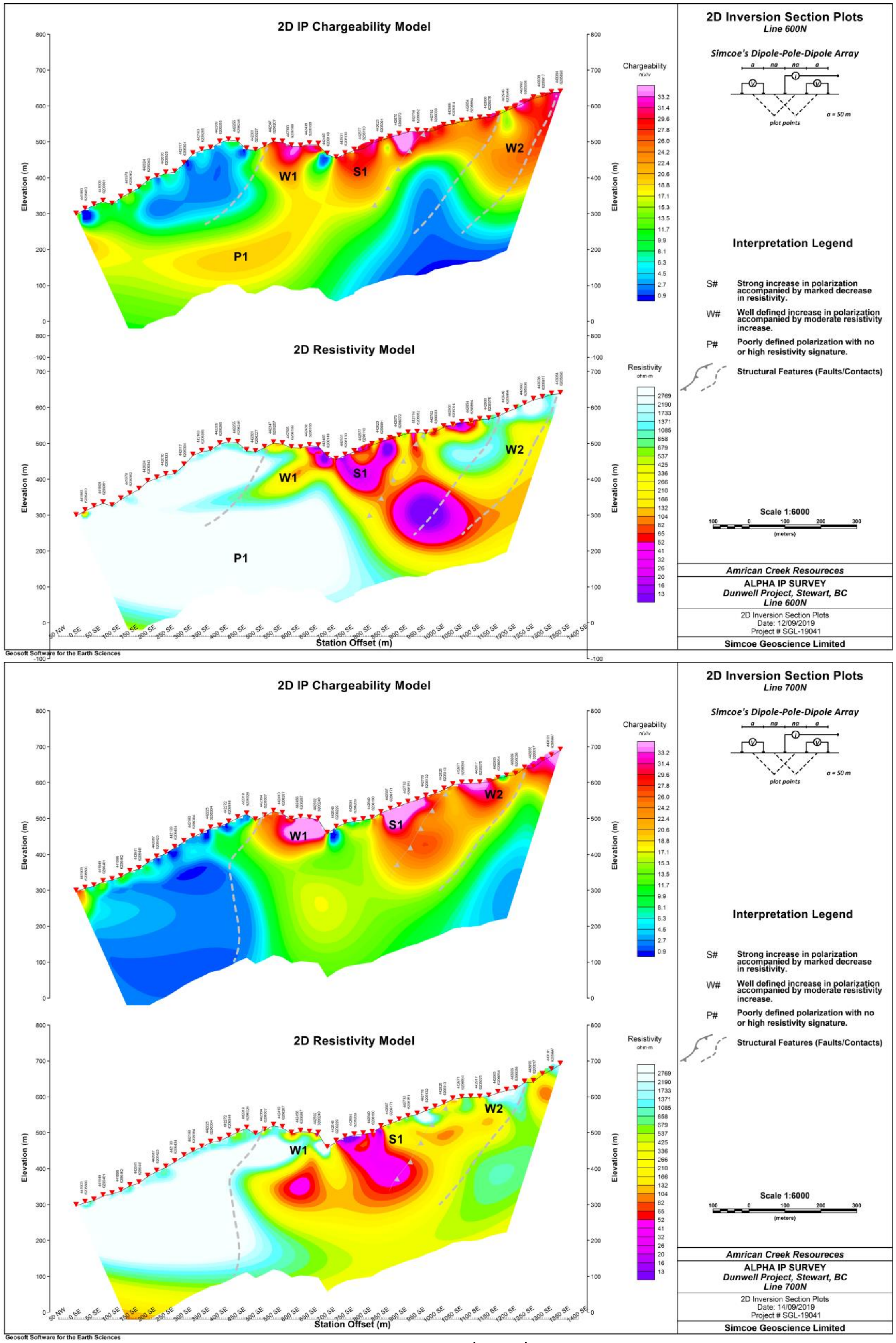


Figure 3-10: Interpreted anomalies (1st, 2nd & 3rd priorities) on L600N and L700N.

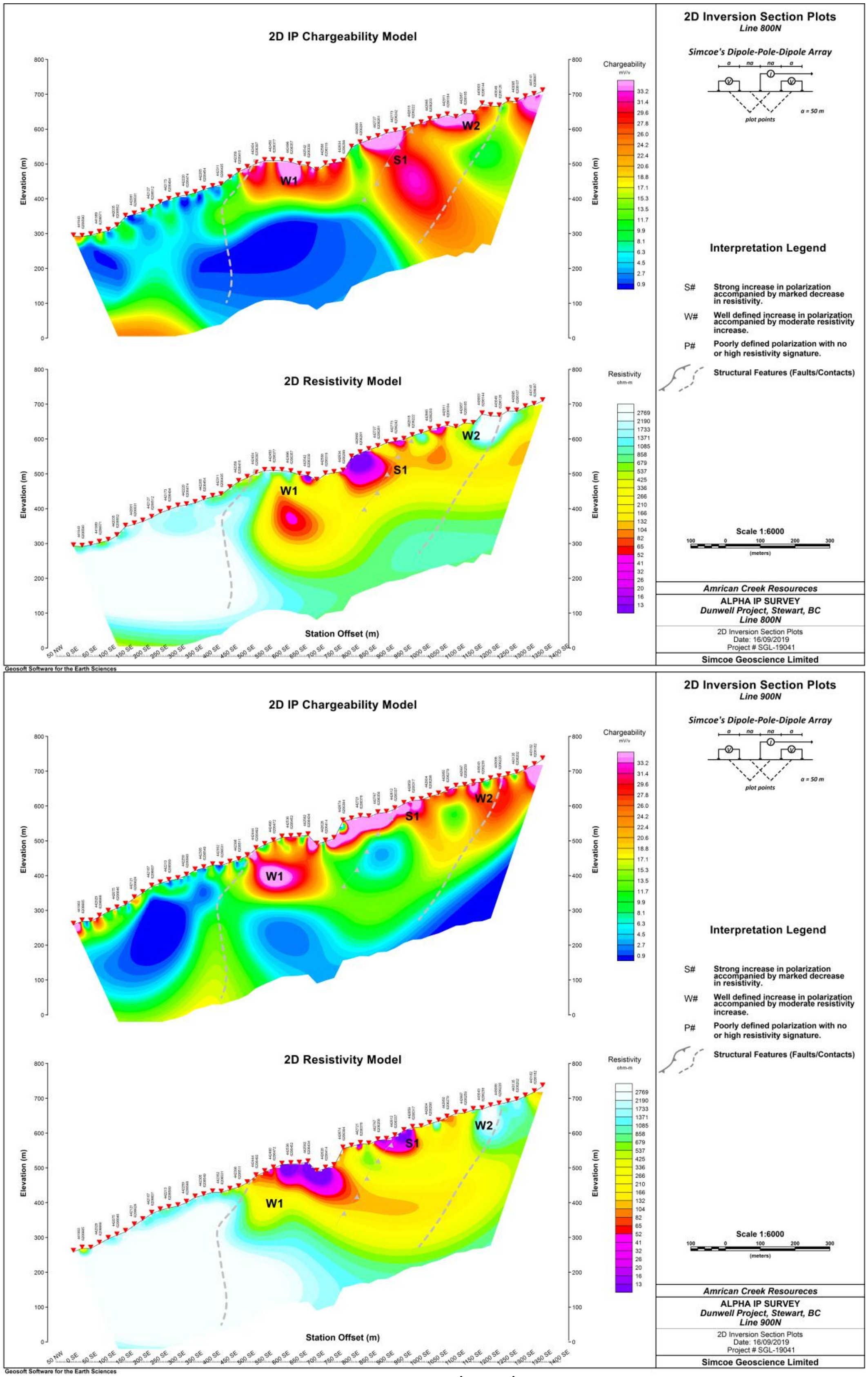


Figure 3-11: Interpreted anomalies (1st, 2nd & 3rd priorities) on L800N and L900N.

Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com

3.3 Volumetric Presentation

The volumetric presentation of chargeability and resistivity models presented in number of views will show correlation and continuation of chargeable and conductive responses and a line to line correlation and continuity of chargeable responses to conclude lateral extents of anomalous zones revealed by the Alpha IP survey.

The iso-surfaces of chargeability (Figure 3-12) of 30 mV/v (red) and 25 mV/v (green), while resistivity (Figure 3-13) iso-surfaces are displayed in 10Ωm (red) and 200Ωm (green). The iso-surfaces are a good tool to view a specific cut-off values and its distribution both laterally and vertically. The iso-sufaces are also integrated with exiting drillholes and historic workings (Figure 3-14).

The iso-surfaces also help to map dip and strike of the structures and chargeable zones. It is recommended that any future drill plans should always be plotted in 3D space to eliminate the possibility of missing a target by a few 10s of meters.

A high resolution digital version of volumetric presentations, sections and plan maps are provided in the digital archives

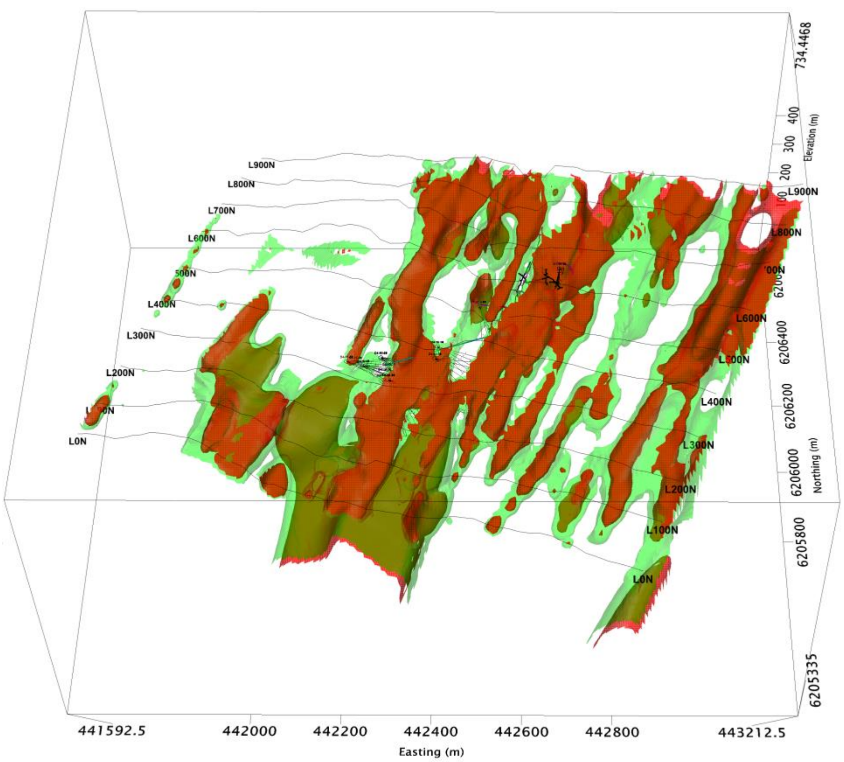


Figure 3-12: Volumetric illustration of Chargeability iso-surfaces of 30 mV/v (red) and 25 mV/v (green).

Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com

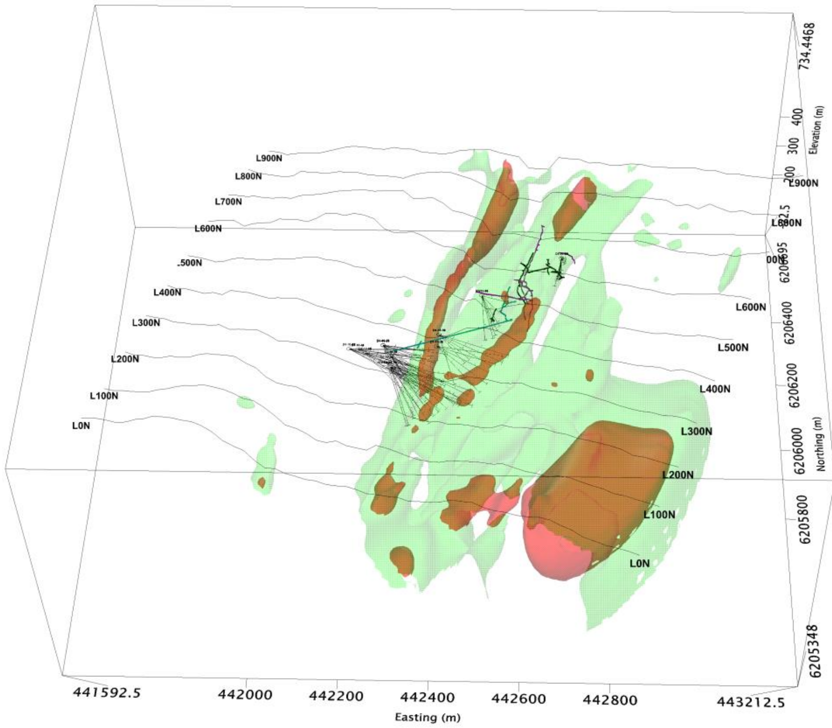


Figure 3-13: Volumetric illustration of Resistivity iso-surfaces of 10 ohm-m (red) and 200 ohm-m (green).

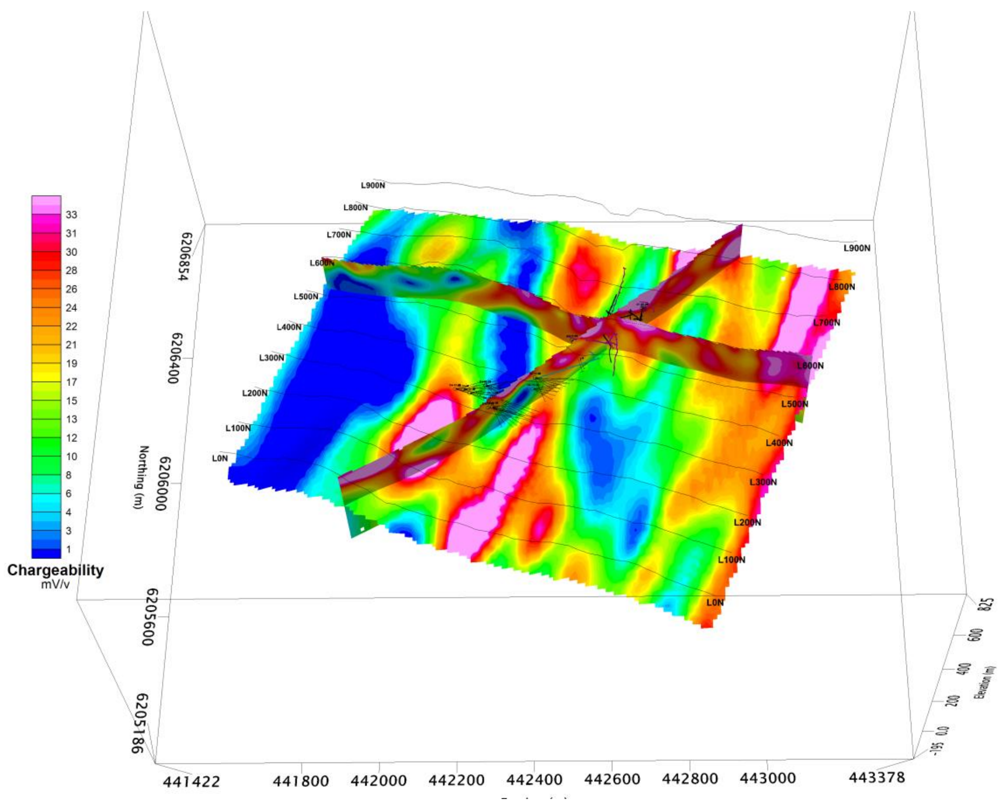


Figure 3-14: Volumetric illustration of Chargeability sections and plans along with historic drilling and workings.

3.4 Conclusions

Over the Dunwell Mine project, at least thirty seven (37) anomalous zones are interpreted along ten (10) profiles as significant targets for follow up from surface to ~300m+ depth. Out of thirty seven (37) anomalous zones, fifteen (15) are considered first priority, sixteen (16) second and six (6) are third priority targets. The interpreted chargeability anomalous zones were prioritized and assigned an ID according to the anomaly amplitude, size, possible profile to profile continuation and multi-parameter (Resistivity and Chargeability) association. The anomalous zones consist of strong to moderate chargeability and their association with conductive to resistive zones. The Interpreted Anomalies with their relevant profiles are presented in Summary Table below. Dunwell Mine Anomaly Map (Figure 3-15) shows locations of 1st, 2nd and 3rd priority interpreted targets along with historic drill holes and Dunwell tunnels.

The interpreted first priority ("S#") anomalous zones are generally small areas at shallow depths and the IP chargeability is commonly strong to well defined (>30 mV/v) with low to moderate resistivity (<200 Ωm) association. First priority zones show low resistivity gradient areas consistent with faults and shear zones with potential for structurally controlled gold and copper mineralization.

The interpreted second priority ("W#") anomalous zones are relatively larger area responses at shallow to moderate depths, where IP chargeability is well defined (>25 mV/v), with moderate to high resistivity (<1000 Ωm) association.

The interpreted third priority anomalous zones are generally deeper large area responses, where IP chargeability is poorly defined (>20 mV/v), without definite resistivity signatures (>3000 Ωm) association.

There are three additional non-anomalous zones that can be classified:

i. Very low resistivity features with no IP response are generally near surface and are believed to be thick sedimentary units.

ii. Very low near surface resistivity with weak chargeability represents weathered and saturated rock layers.

iii. Highly resistive units are potentially unaltered rock units from near surface to depths more than 350m.

Good resolution of sub-vertical to vertical structures (faults and contacts) was achieved along each profile and are explained by the sub-vertical features and gradient zones interpreted from the 2D sections. The faults and geological contacts are potentially associated with low resistivity and moderate to strong chargeability zones.

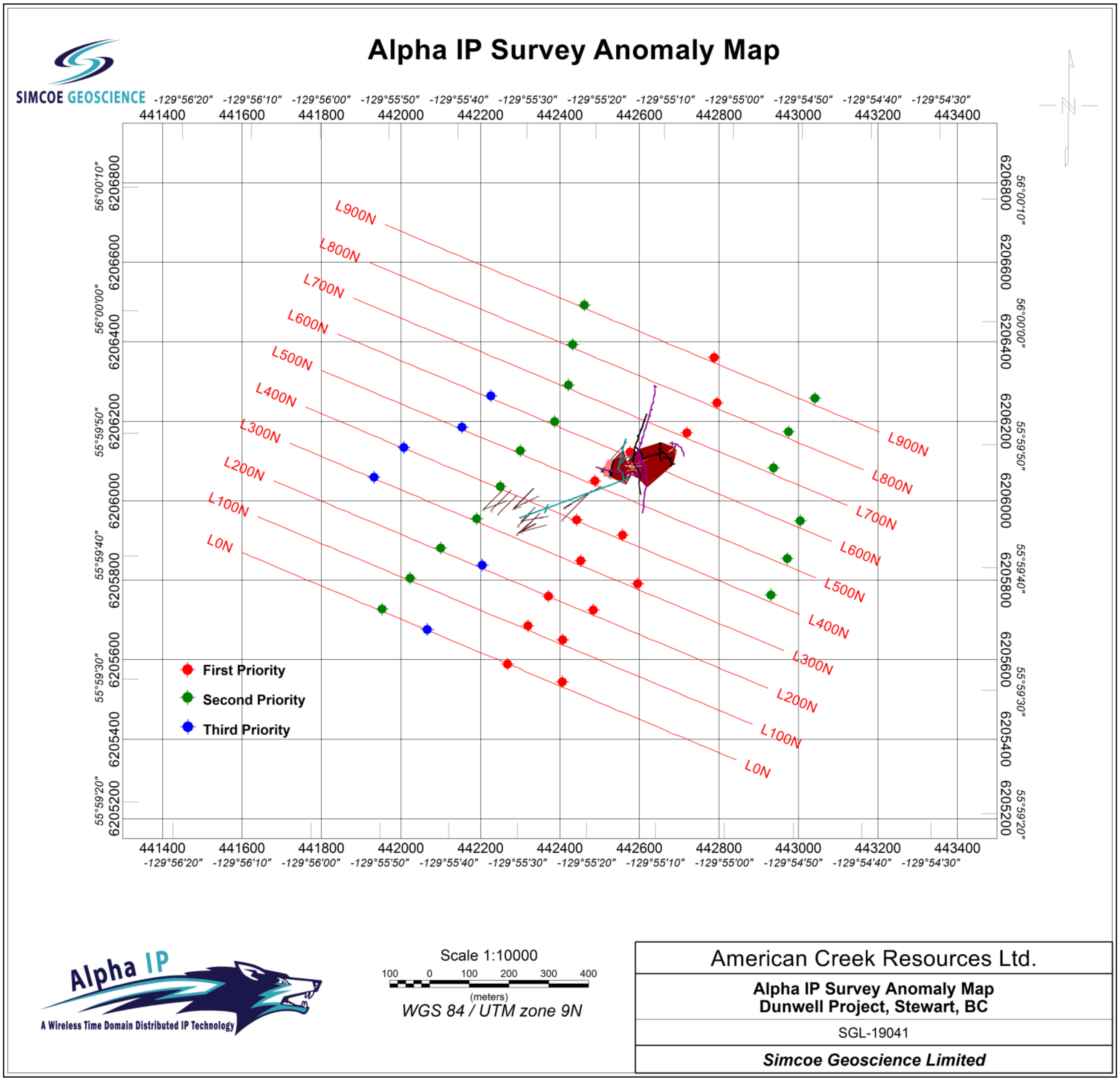


Figure 3-15: Compilation of 1st, 2nd and 3rd priority interpreted targets.

Interpreted Anomalies Summary Table								
Line #	**UTM Easting**	**UTM Northing**	**Anomaly ID**	**Anomaly #**	**Priority**	**IP Chargeability (Strong/Mod/Weak)**	**DC Resistivity (High/Mod/Low)**	**Depth to Core**
L0N	441952	6205728	**W**	W1	2nd	Mod/Strong	Mod	100m
	442066	6205676	**P**	P1	3rd	Mod	High	315m
	442406	6205544	**S**	S1	1st	Mod/Strong	Low	85m
	442268	6205589	**S**	S2	1st	Mod/Strong	Low	200m
L100N	442023	6205805	**W**	W1	2nd	Strong	Mod	100m
	442319	6205686	**S**	S1	1st	Strong	Low	135m
	442407	6205650	**S**	S2	1st	Strong	Low	300m
L200N	442100	6205881	**W**	W1	2nd	Strong	Mod	100m
	442204	6205838	**P**	P1	3rd	Mod	High	235m
	442371	6205760	**S**	S1	1st	Strong	Mod/Low	80m
	442484	6205725	**S**	S2	1st	Strong	Mod/Low	140m
L300N	441932	6206059	**P**	P1	3rd	Mod/Strong	High	260m
	442191	6205955	**W**	W1	2nd	Strong	Mod/High	100m
	442452	6205849	**S**	S1	1st	Strong	Low	90m
	442595	6205791	**S**	S2	1st	Strong	Mod/Low	280m
L400N	442007	6206134	**P**	P1	3rd	Mod/Weak	High	300m
	442250	6206036	**W**	W1	2nd	Mod/Strong	Low	100m
	442557	6205914	**S**	S1	1st	Strong	Low	85m
	442442	6205952	**S**	S2	1st	Strong	Low	250m
	442931	6205763	**W**	W2	2nd	Mod/Strong	Low	100m
L500N	442153	6206185	**P**	P1	3rd	Mod	High	300m
	442300	6206126	**W**	W1	2nd	Mod/Strong	Mod	100m
	442488	6206050	**S**	S1	1st	Strong	Low/Mod	125m
	442972	6205855	**W**	W2	2nd	Strong	Mod	100m
L600N	442226	6206264	**P**	P1	3rd	Mod	High	300m
	442386	6206199	**W**	W1	2nd	Mod/Strong	Mod	100m
	442576	6206123	**S**	S1	1st	Strong	Low	105m
	443004	6205950	**W**	W2	2nd	Strong	Mod	120m
L700N	442421	6206291	**W**	W1	2nd	Mod/Strong	Mod	80m
	442719	6206171	**S**	S1	1st	Strong	Low	105m
	442937	6206083	**W**	W2	2nd	Strong	Mod	80m
L800N	442432	6206393	**W**	W1	2nd	Mod/Strong	Mod	80m
	442795	6206246	**S**	S1	1st	Strong	Low	105m
	442975	6206174	**W**	W2	2nd	Strong	Mod	80m
L900N	442461	6206492	**W**	W1	2nd	Strong	Mod	80m
	442788	6206361	**S**	S1	1st	Strong	Low	105m
	443041	6206258	**W**	W2	2nd	Strong	Mod/High	80m

3.5 Recommendations

The following are recommendations from the interpretation of the 2D IP survey at the Dunwell Mine project:

- Review the available geological, legacy geophysical and geochemical data (if available) in the vicinity of the priority target areas prior to drilling and commencing further exploration of these zones.
- In cases where the deep IP chargeability responses are an extension of the shallower IP chargeability anomalies related to known mineralization, a higher priority may be assigned to these responses.
- Similarly, if mineralization and/or alteration are encountered, a priority step-back drilling should be considered for deeper anomalies.
- To drill-test the top and center parts of the interpreted high priority anomalies utilizing angled drilling with a maximum dip of ~65 degrees. If favourable results are obtained, then test the deep portion and unexplored areas of the interpreted anomalies where significant chargeability, and resistivity responses are observed.

4 DIGITAL ARCHIVE

The final deliverables contain a complete set of copies of Proposal, Contract, Raw Field Data, Processed Data, Preliminary Field Results, Final Inversion Results, Geosoft Products (Database, Grids & Maps), Image Files and an electronic copy of this report (with all appendices).

Folder	Sub level 1	Sub level 2	Description
Proposal & Contract			Service Agreement_American_ Creek_Dunnwell_IP Project_SGL-C-20190134
Fields Results	Raw Data	Line ##	Raw data contains .VMN & IAB, time and date information.
Processed Data			DCIP Data in ASCII file format from IP Post Processing and Geosoft contain files Line##_complete.BIN, Line_complete.txt
Preliminary Results			PDF Presentation presented or emailed to client
Inversion	Line ##		raw data and error conditioning
			DC inversion
			IP with DC reference
Geosoft Products			Geosoft Files
	Base Maps		Base maps, location, etc.
	Database		Geosoft Database for each line
	Grid File		Geosoft Grid file for each sections
	Maps		Pseudo-sections (In-line DC Resistivity and IP Chargeability pseudo sections, posted, contoured (equal area zoning) and plotted in ground units) and 2D inversion sections
	Interpretation		Interpretation map files
Image Files	Pseudo-sections 2D Inversion Sections 3D Inversion Models		Pseudo-sections plotted in Geosoft 2D inversion models plotted in Geosoft 3D inversion models plotted in Geosoft
Report			Final Report in PDF format

13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com

5 CERTIFICATE OF QUALIFICATIONS

I, Riaz Mirza, P.Geo., declare that

I am Director and Geoscientist with residence in Georgina, Ontario and I am presently employed in this capacity with Simcoe Geoscience Limited, Newmarket, Ontario, Canada;

I hold the following academic qualifications: Bachelor of Science Degree (B.Sc.), Applie d Geology from University of the Punjab, Pakistan in 1997, a Master of Science Degree (M.Sc.), Geophysics, Seismic Methods, from Quaid-e-Azam University, Pakistan in 2000, and an Advanced Master of Science Degree (M.Sc.), Applied Environmental Geoscience from University of Tuebingen, Germany in 2003;

I am a registered geoscientist, since 2012, with license to practice in the Province of Ontario, (APGO License # 2154).

I am a member of the Society of Exploration Geophysicists (SEG) and the Canadian Explorati on Geophysics Society (KEGS);

I have practiced my profession continuously since 1997 in Southeast Asia, Europe, and North America, South America, Middle East, Africa;

I have no interest, nor do I expect to receive any interest in the properties or securiti es of American Creek Resources Ltd. its clients, its subsidiaries or its joint-venture partners;

I am the Professional Geophysicist responsible for this project.

I was in charge of the data acquisition, Quality Control and Assurance of the acquired data; I have analyzed the data and authored the survey the report, and can attest that these accurately and faithfully reflect the data acquired on site;

The statements made in this report represent my professional opinion in consideration of the information available to me at the time of writing this report.

Stouffville, Ontario

28/10/2019

[signed and sealed]

Riaz Mirza, M.Sc., P.Geo. (ON)

Director & Geoscientist

Simcoe Geoscience Limited

APPENDICES

A SURVEY LOGISTICS

A.1 ACCESS

Base of Operation: Stewart, BC

Mode of Access to Grid: Trucks/Foot

Mode of Access to Lines: Truck/ foot

A.2 SURVEY GRID AREA

Established by: American Creek Resources Ltd.

Coordinate Reference System: UTM Coordinates

Datum & Projection: WGS 84/Zone U 9

Grid Azimuth: 112° True North

Station Interval: 50m

Method of Chaining: Metric, points GPS surveyed

Surveyed Line- start and end point coordinates, Azimuth and Lengths.

WGS84/UTM Zone 9 U					
Prospect	**Line**	**Azimuth**	**Start UTM**	**End UTM**	**Line-km**
Dunwell Mine	L0N	112°N	441600 mE 6205870 mN	442844 mE 6205348 mN	1.3
Dunwell Mine	L100N	112°N	441640 mE 6205960 mN	442884 mE 6205438 mN	1.3
Dunwell Mine	L200N	112°N	441680 mE 6206050 mN	442924 mE 6205528 mN	1.3
Dunwell Mine	L300N	112°N	441720 mE 6206145 mN	442964 mE 6205623 mN	1.3
Dunwell Mine	L400N	112°N	441760 mE 6206236 mN	443004 mE 6205714 mN	1.3
Dunwell Mine	L500N	112°N	441800 mE 6206328 mN	443044 mE 6205806 mN	1.3
Dunwell Mine	L600N	112°N	441840 mE 6206420 mN	443084 mE 6205898 mN	1.3
Dunwell Mine	L700N	112°N	441880 mE 6206510 mN	443124 mE 6205988 mN	1.3
Dunwell Mine	L800N	112°N	441920 mE 6206600 mN	443164 mE 6206078 mN	1.3
Dunwell Mine	L900N	112°N	441960 mE 6206695 mN	443204 mE 6206173 mN	1.3

A.3 Personnel

Operations Manager:	Luc Lafond
Responsible Geophysicist:	Riaz Mirza
Data Processing (in field):	Luc Lafond
Crew Chief:	Brody Johnson
IP operator Transmitter:	Baverly Ward
IP operator Receiver:	Joey Plouffe
Field Technicians:	Benoit Auger, Beverly Ward, Nick Proulx

A.4 Instrumentation

Receiver System:	Alpha IP Wireless x13 receiver: 26 channels max.
Transmitter:	Walcer TX KW10
Current Recorder	IRIS I-FullWaver x2
Power Supply:	MG12A, Input: 125V line to neutral 400 Hz / 3 phase Output: 100 - 3200V in 10 steps 0.05 - 20 Amps
Transmit Electrodes	6 x 0.75 inch diameter 4 feet long stainless steel rods
Receiver Electrodes:	Ground contacts using stainless steel rods/ Porous Pots

A.5 Coverage and Production

Total Survey Period/days:	September 3rd to September 15th 13 days
Survey Days (read time):	13 days
Mob/Demob:	3 days
Safety Inductions / Site visit:	0.5 day
Number of Lines surveyed:	10
DCIP Survey Coverage:	13.5 km

A.5.1 Production Summary

SIMCOE GEOSCIENCE

PRODUCTION SUMMARY

Survey Specifications — **2D Induced Polarization and Resistivity Survey**

Client: American Creek
Project: Dunwell ALPHA 2D IP
Project # SGL-19041

Equipment	
Alpha IP	13 x Receiver, 2 x Current Recorder, 1 x Tx, 1 x MG
Accessories	Stainless Steel Electrodes, Wire, etc.

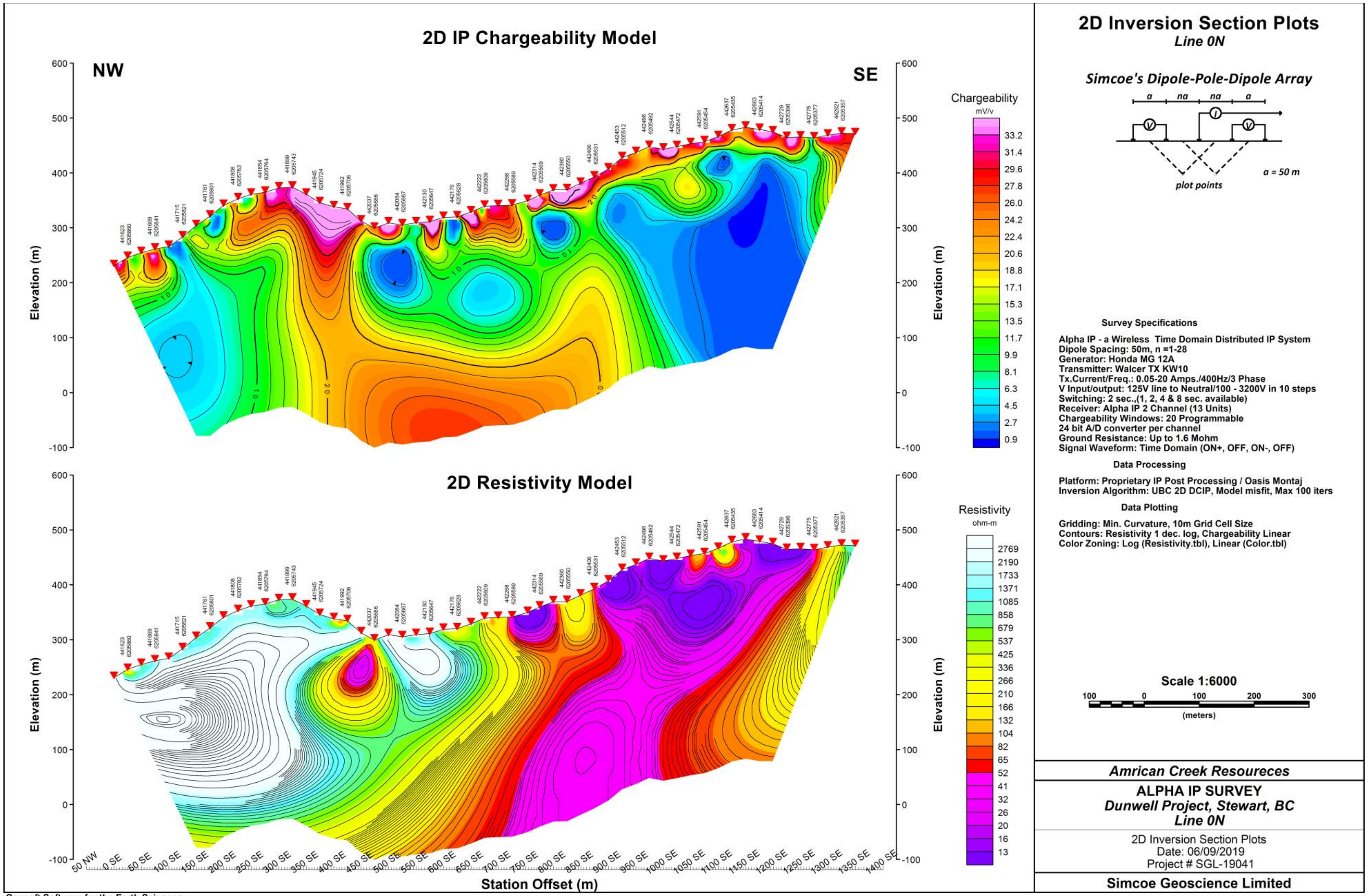
Grid: American Creek's Dunwell property, 50m dipoles, 1.3km lines, 100m line spacing, Alpha IP 2D x 10 Lines

Crew Abbreviations:
RM = Riaz Mirza, Director
LL= Luc Lafond, Operations Manager
BJ = Brody Johnston, Crew Chief
JP = Joey Plouffe, IP Operator
BW = Beverly Ward, IP Operator
BA = Ben Auger, Field Technician
NP = Nick Proulx, Field Technician

ALPHA IP 2D IP Grid	13 km
Number of Dipoles	260
Total Number of Injections	280
Percentage Completed	100%

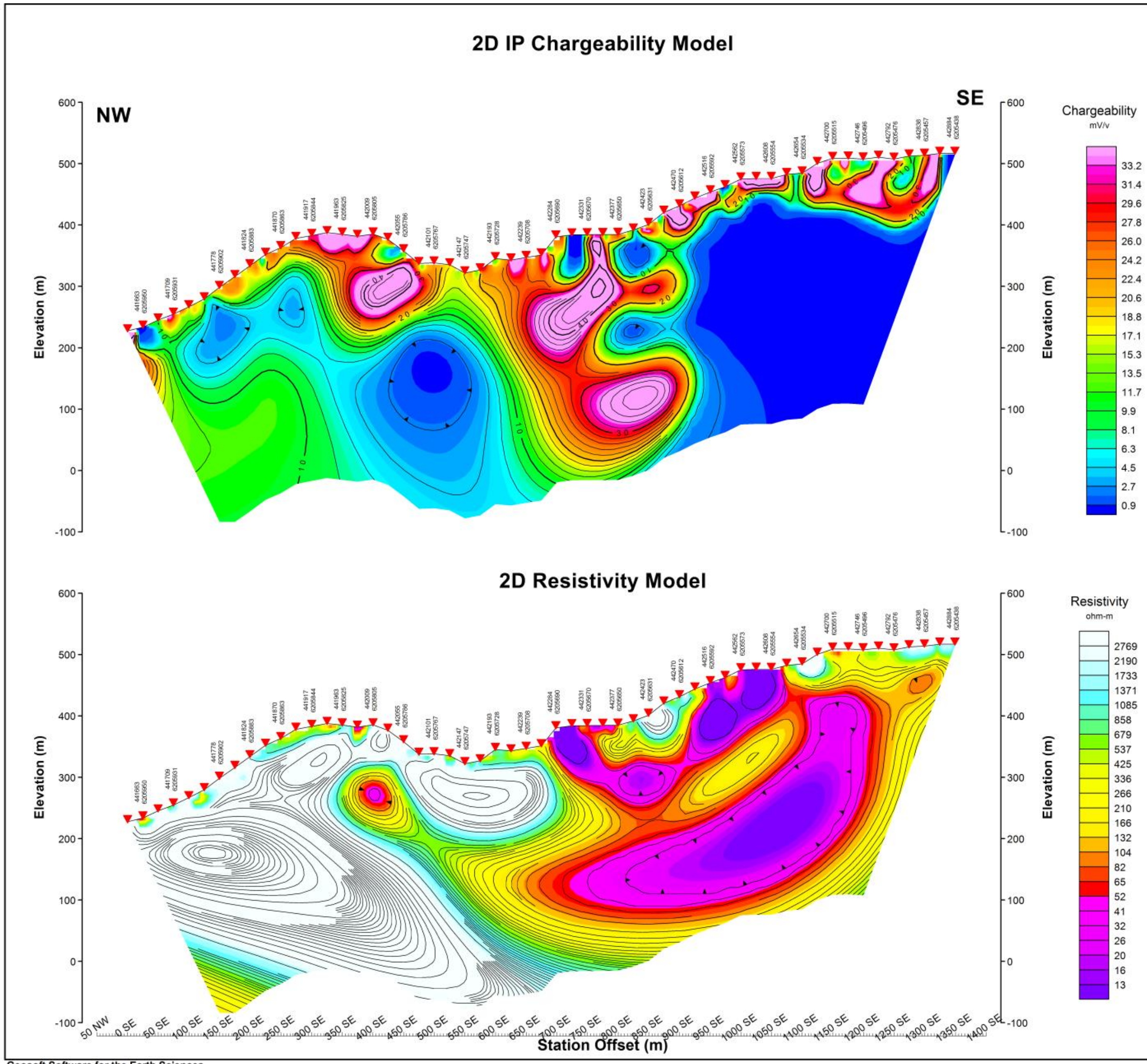
Day	Date	Description	Area	Dipoles	Injections	Total Injections	Completed Per Grid	Notes	Health status of the crew	Notes	General condition of the equipment	Notes
1	01-Sep-19	Mobilization	Toronto ON to Stewart BC	****	****	0	****	The crew flew to Terrace BC from Toronto. Pickup the trucks at the airport and drove to Stewart BC. Met with Carrie, had dinner and got setttle into our accomdations (trailer/house).	ok		ok	
2	02-Sep-19	Safety Induction, Infinite Deployement, Line setup	Dunwell	****	****	0	****	We had a safety orientation and meetings with mine management at 7am. We discussed the plans for the survey. We also did a grid visit with Jim. He showed us how to get through the gate and the road all the way to the top through the middle of the grid. We gained acces to our gear in storage and sorted it the gear to be deployed. In the afternoon the infinite wire was laid out. and part up with wire and dipoles. Flagged line 0 ans setup part of the line.	ok		ok	
3	03-Sep-19	Line 0 - SETUP	Dunwell	10	0	0	0%	Safety meeting at 7am. The crew proceeded to finish installing all the dipoles and wires on line 0. 13 stations were setup. We pulled the infinite up the moutain to line 0 station -25 from the highway. Flagged part of line 100. Wires across the gorge between 650 and 700 need to be done before reading the line tomorrow.	ok		ok	
4	04-Sep-19	Line 0 - AQUIRE	Dunwell	26	28	28	10%	Safety meeting at 7am. Wires across the gorge were put in first thing this morning. Once all the receivers were started we began to read IP. Finished flagging all of line 100. Finished reading line 0, picked up all the data from all the receivers. Left the line to make sure all the data is good before we proceed to line 100.	ok		ok	
5	05-Sep-19	Line 100 - AQUIRE	Dunwell	26	28	56	20%	Safety meeting at 7am. Moved the gear to line 100 and got all 28 injections. Collected the data at the end of the day.	ok		ok	
6	06-Sep-19	Line 200 - AQUIRE	Dunwell	26	28	84	30%	Safety meeting at 7am. Moved the gear to line 200 and got all 28 injections. Collected the data at the end of the day.	ok		ok	
7	07-Sep-19	Line 300 - AQUIRE	Dunwell	26	28	112	40%	Safety meeting at 7am. Moved the gear to line 300 and got all 28 injections. Collected the data at the end of the day.	ok		ok	
8	08-Sep-19	Line 400 - SETUP	Dunwell	26	0	112	45%	Safety meeting at 7am. Moved the gear to line 400. The terrain is getting much more difficult to navigate. The line is ready for IP for tomorrow.	ok		ok	
9	09-Sep-19	Line 400 - AQUIRE	Dunwell	26	28	140	50%	Safety meeting at 7am. Read all the IP on line 400. Moved the gear to line 500 in the afternoon. Line 500 is ready for IP tomorrow.	ok		ok	
10	10-Sep-19	Line 500 - AQUIRE	Dunwell	26	28	168	60%	Safety meeting at 7am. Read all the IP on line 500. Moved the gear to line 600 in the afternoon. Line 600 is ready for IP tomorrow.	ok		ok	
11	11-Sep-19	Line 600 - AQUIRE	Dunwell	26	28	196	70%	Safety meeting at 7am. Read all the IP on line 600. Moved part of the gear to line 700 in the afternoon. The hard terrain made it more difficult to move to line 700. Will complete the setup tomorrow.	ok		ok	
12	12-Sep-19	Line 700 - SETUP	Dunwell	26	0	196	75%	Safety meeting at 7am. Finished setting up 700. Hard rain today with chance of thunder storms. We decided to take the rest of the day to clean up and bring all the extra gear back to the warhouse. Line 700 is ready for IP tomorrow.	ok		ok	
13	13-Sep-19	Line 700 - AQUIRE	Dunwell	26	28	224	80%	Safety meeting at 7am. Read all the IP on line 700. Moved the gear to line 800 in the afternoon. Line 800 is ready for IP tomorrow.	ok		ok	
14	14-Sep-19	Line 800 - AQUIRE	Dunwell	26	28	252	90%	Safety meeting at 7am. Read all the IP on line 800. Moved the gear to line 900 in the afternoon. Line 900 is ready for IP tomorrow.	ok		ok	
15	15-Sep-19	Line 900 - AQUIRE GRID PICKUP	Dunwell	26	28	280	100%	Safety meeting at 7am. Read all the IP on line 900. Picked up all the gear all the gear. Job complete!	ok		ok	

B 2D INVERSION SECTIONS



Geosoft Software for the Earth Sciences

Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com



2D Inversion Section Plots

Line 100N

Simcoe's Dipole-Pole-Dipole Array

a = 50 m

plot points

Survey Specifications

Alpha IP - a Wireless Time Domain Distributed IP System
Dipole Spacing: 50m, n =1-28
Generator: Honda MG 12A
Transmitter: Walcer TX KW10
Tx.Current/Freq.: 0.05-20 Amps./400Hz/3 Phase
V Input/output: 125V line to Neutral/100 - 3200V in 10 steps
Switching: 2 sec.,(1, 2, 4 & 8 sec. available)
Receiver: Alpha IP 2 Channel (13 Units)
Chargeability Windows: 20 Programmable
24 bit A/D converter per channel
Ground Resistance: Up to 1.6 Mohm
Signal Waveform: Time Domain (ON+, OFF, ON-, OFF)

Data Processing

Platform: Proprietary IP Post Processing / Oasis Montaj
Inversion Algorithm: UBC 2D DCIP, Model misfit, Max 100 iters

Data Plotting

Gridding: Min. Curvature, 10m Grid Cell Size
Contours: Resistivity 1 dec. log, Chargeability Linear
Color Zoning: Log (Resistivity.tbl), Linear (Color.tbl)

Scale 1:6000

100 0 100 200 300
(meters)

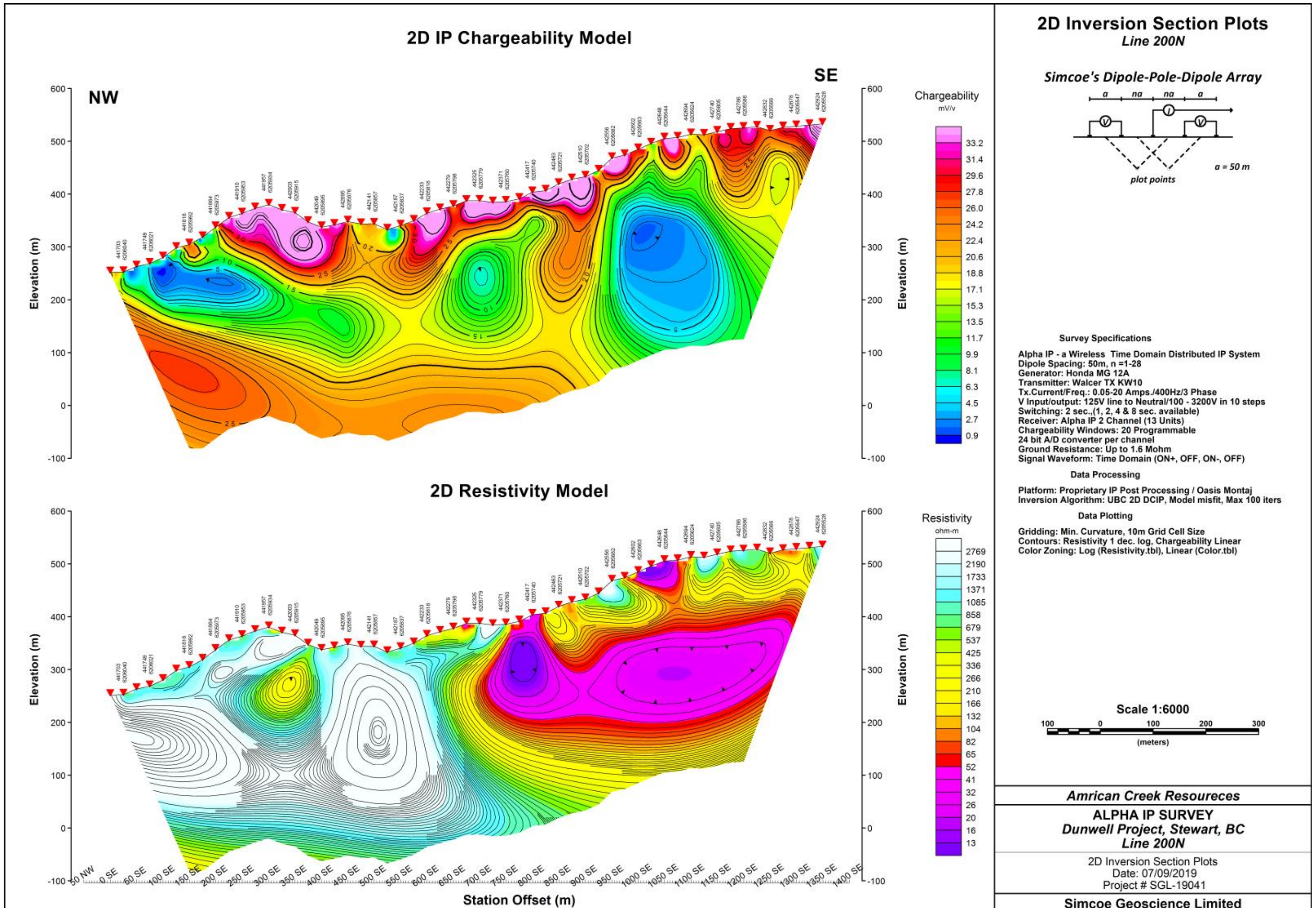
Amrican Creek Resoureces

ALPHA IP SURVEY
Dunwell Project, Stewart, BC
Line 100N

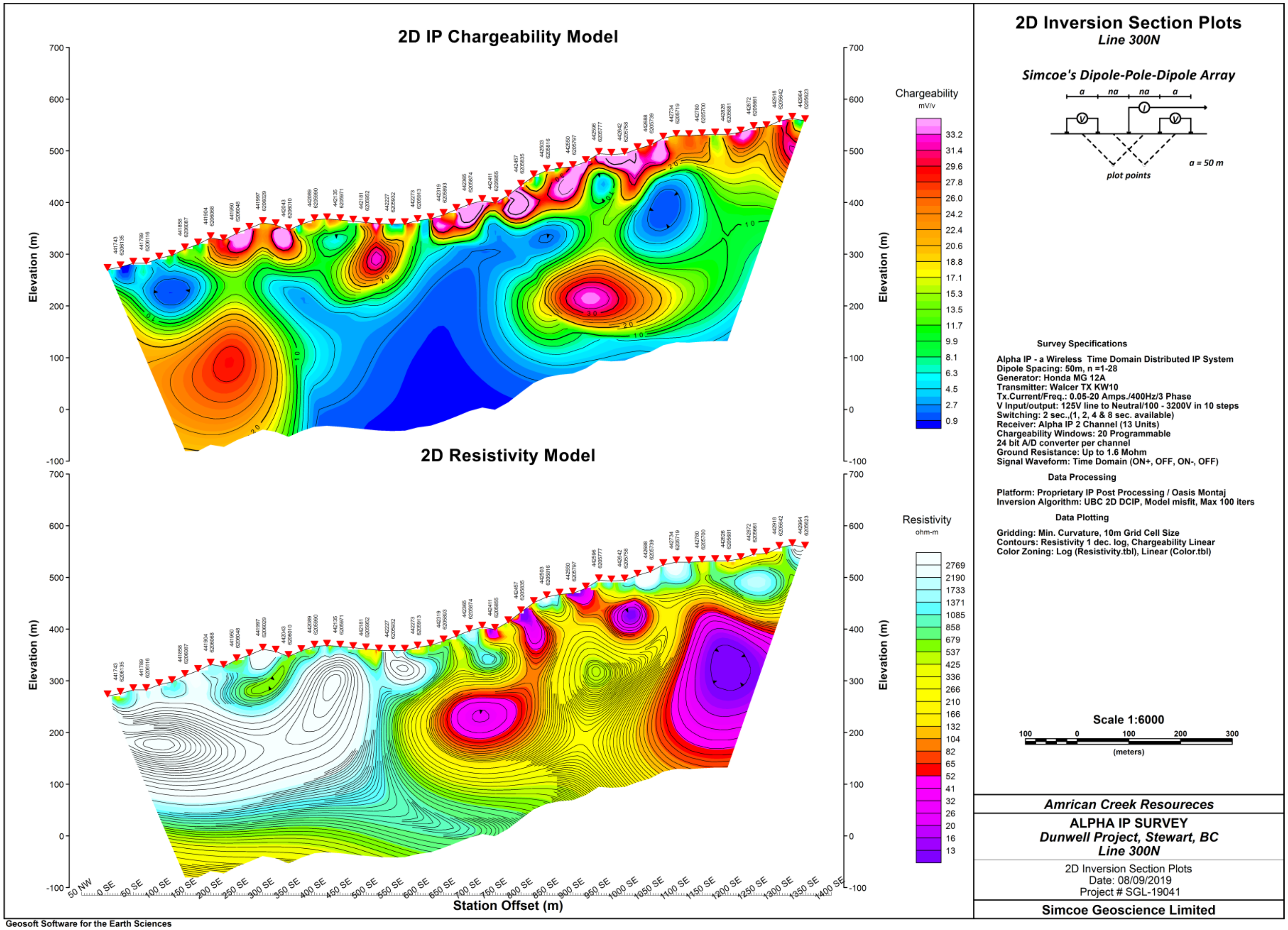
2D Inversion Section Plots
Date: 06/09/2019
Project # SGL-19041

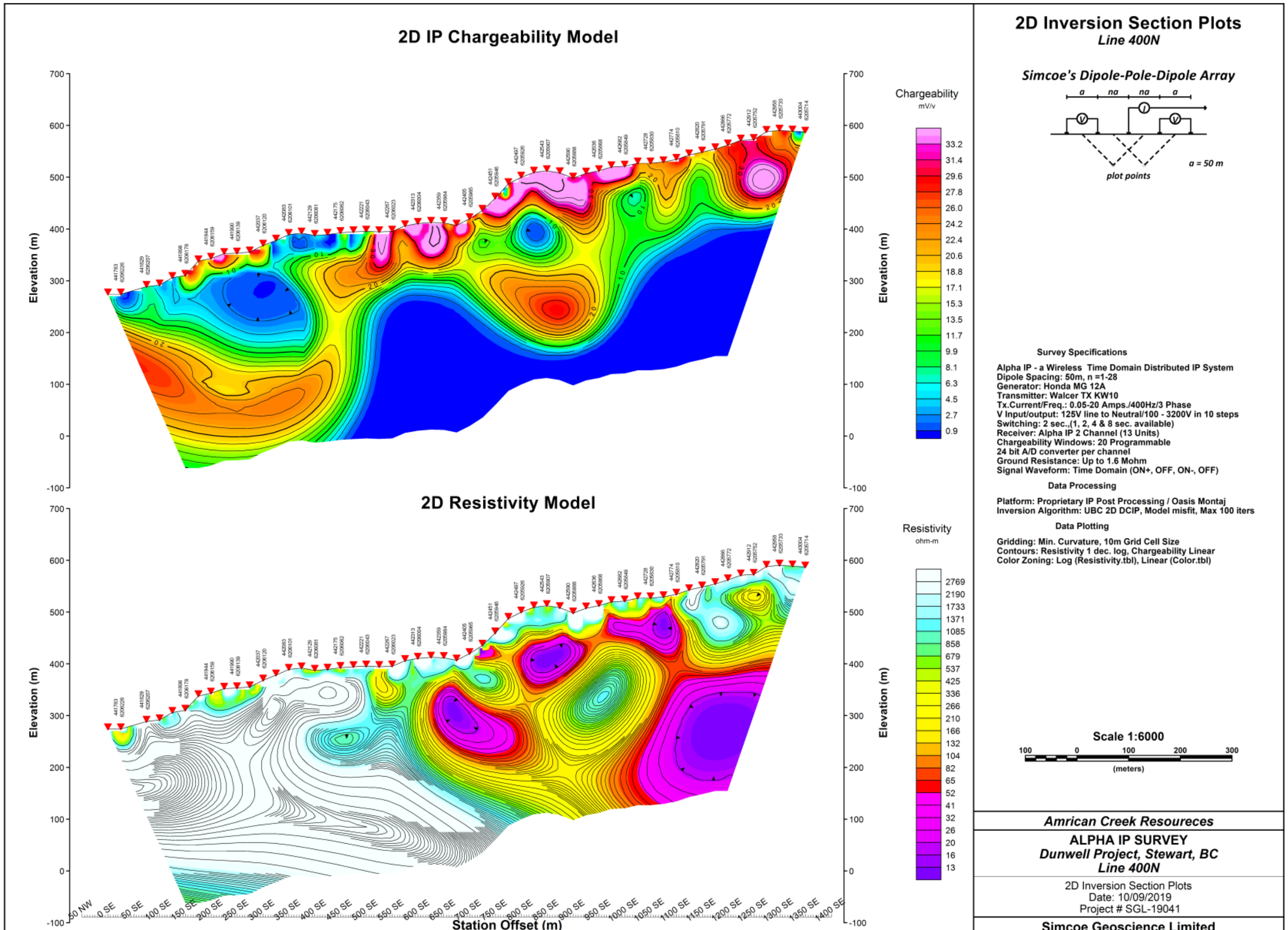
Simcoe Geoscience Limited

Geosoft Software for the Earth Sciences

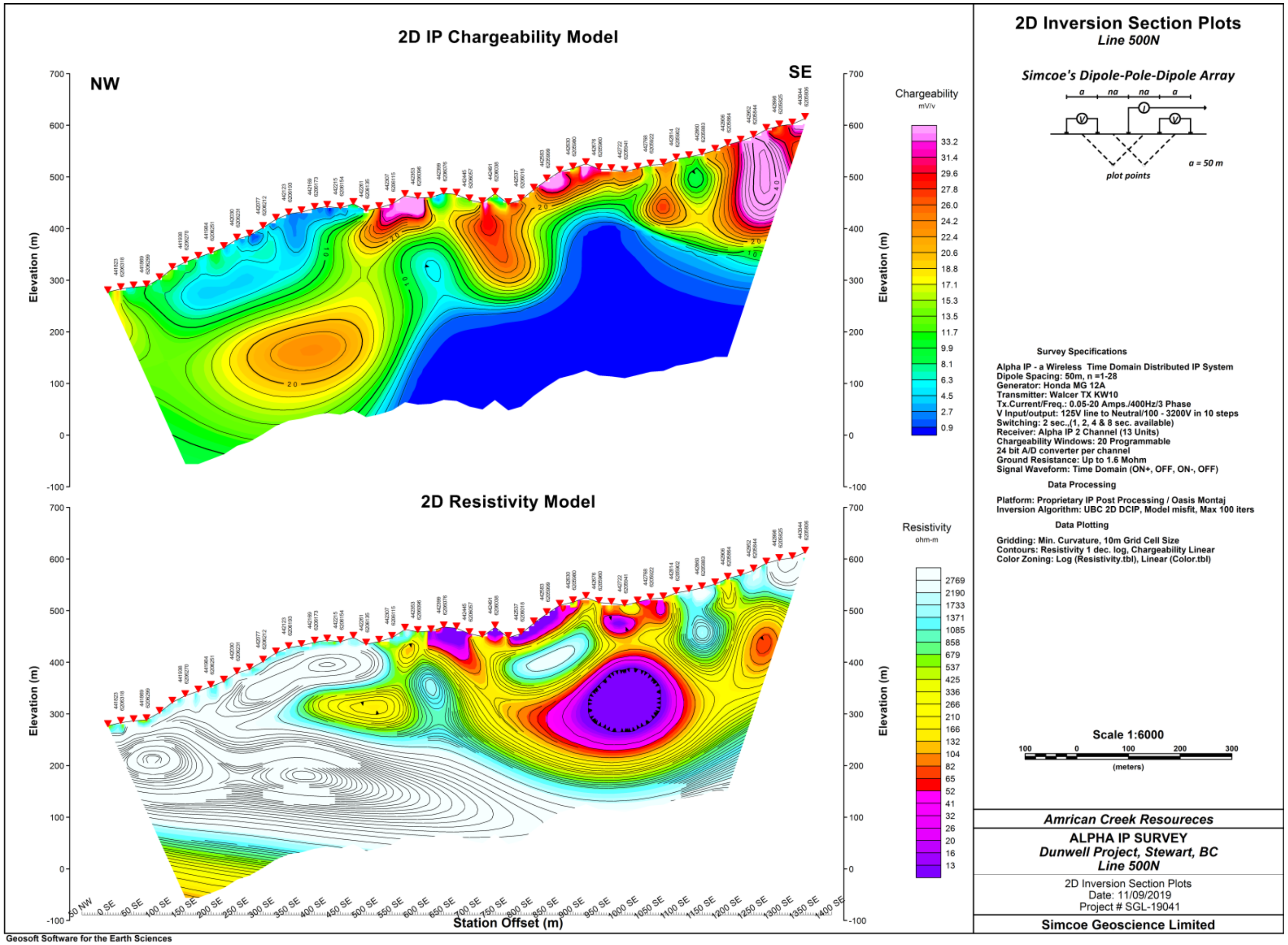


Geosoft Software for the Earth Sciences

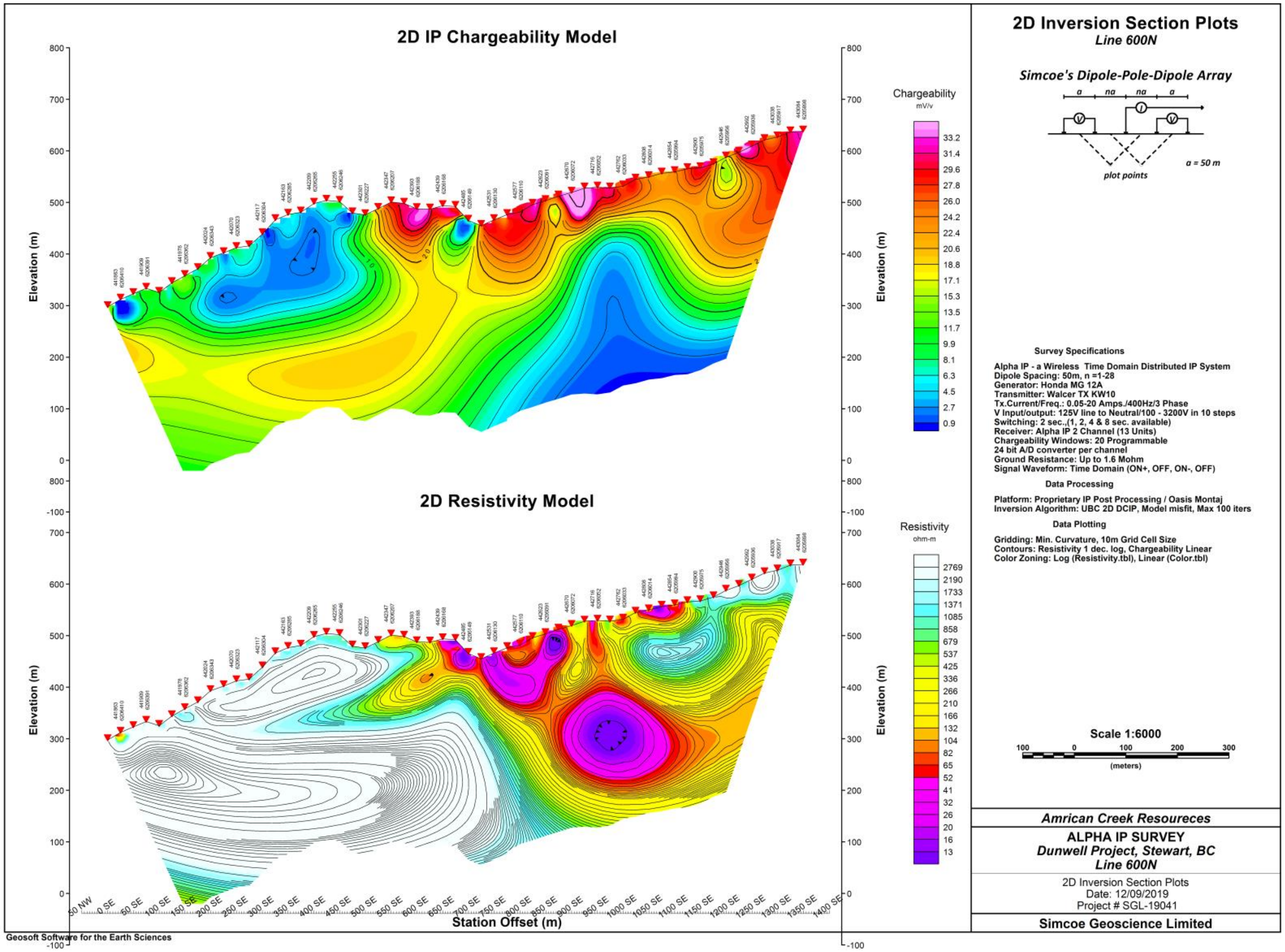

2D IP Chargeability Model
2D Resistivity Model
Elevation (m)
Station Offset (m)
Chargeability
mV/v
33.2
31.4
29.6
27.8
26.0
24.2
22.4
20.6
18.8
17.1
15.3
13.5
11.7
9.9
8.1
6.3
4.5
2.7
0.9
Resistivity
ohm-m
2769
2190
1733
1371
1085
858
679
537
425
336
266
210
166
132
104
82
65
52
41
32
26
20
16
13
2D Inversion Section Plots
Line 300N
Simcoe's Dipole-Pole-Dipole Array
plot points
a = 50 m
Survey Specifications
Alpha IP - a Wireless Time Domain Distributed IP System
Dipole Spacing: 50m, n =1-28
Generator: Honda MG 12A
Transmitter: Walcer TX KW10
Tx.Current/Freq.: 0.05-20 Amps./400Hz/3 Phase
V Input/output: 125V line to Neutral/100 - 3200V in 10 steps
Switching: 2 sec.,(1, 2, 4 & 8 sec. available)
Receiver: Alpha IP 2 Channel (13 Units)
Chargeability Windows: 20 Programmable
24 bit A/D converter per channel
Ground Resistance: Up to 1.6 Mohm
Signal Waveform: Time Domain (ON+, OFF, ON-, OFF)
Data Processing
Platform: Proprietary IP Post Processing / Oasis Montaj
Inversion Algorithm: UBC 2D DCIP, Model misfit, Max 100 iters
Data Plotting
Gridding: Min. Curvature, 10m Grid Cell Size
Contours: Resistivity 1 dec. log, Chargeability Linear
Color Zoning: Log (Resistivity.tbl), Linear (Color.tbl)
Scale 1:6000
(meters)
Amrican Creek Resources
ALPHA IP SURVEY
Dunwell Project, Stewart, BC
Line 300N
2D Inversion Section Plots
Date: 08/09/2019
Project # SGL-19041
Simcoe Geoscience Limited
Geosoft Software for the Earth Sciences

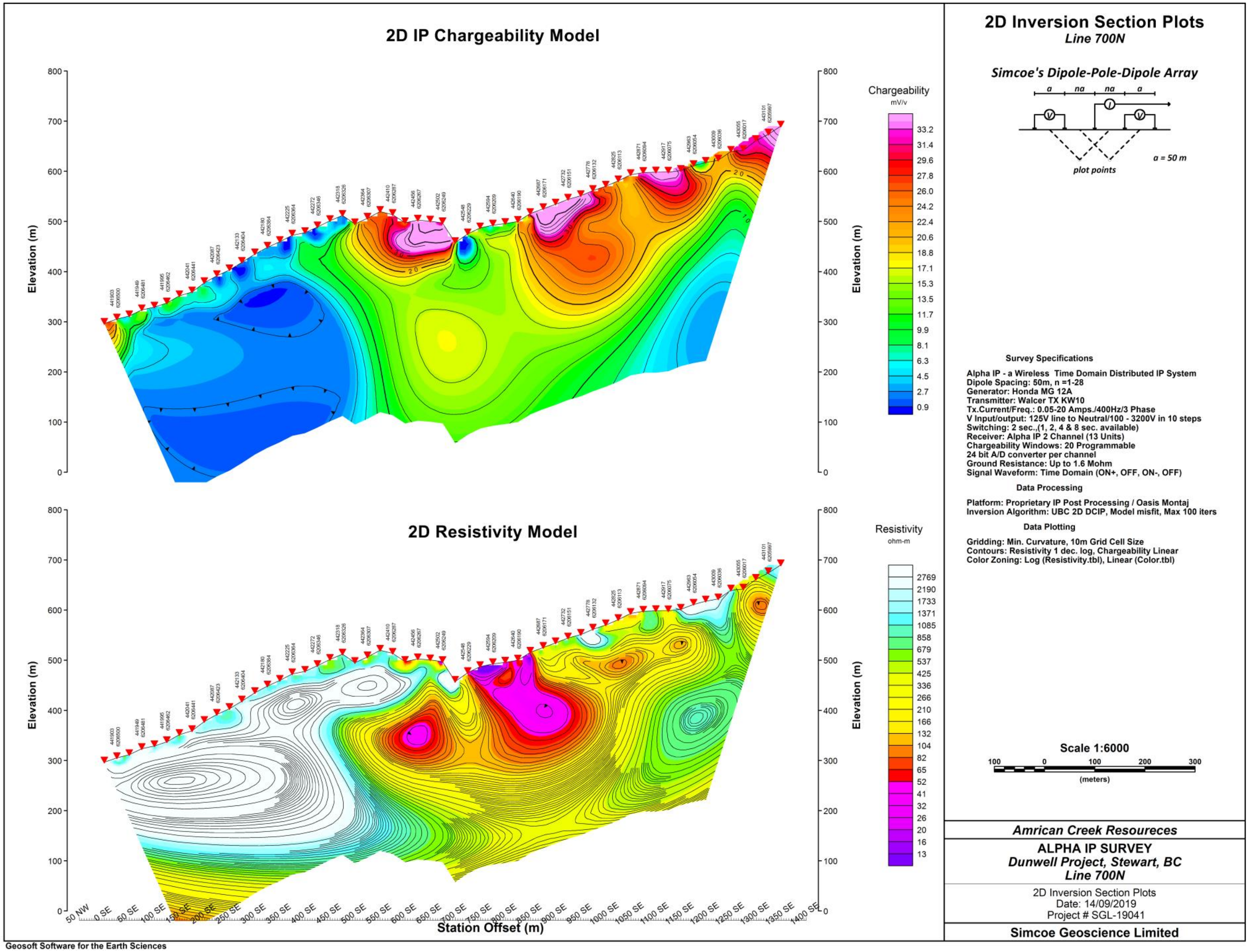


Geosoft Software for the Earth Sciences

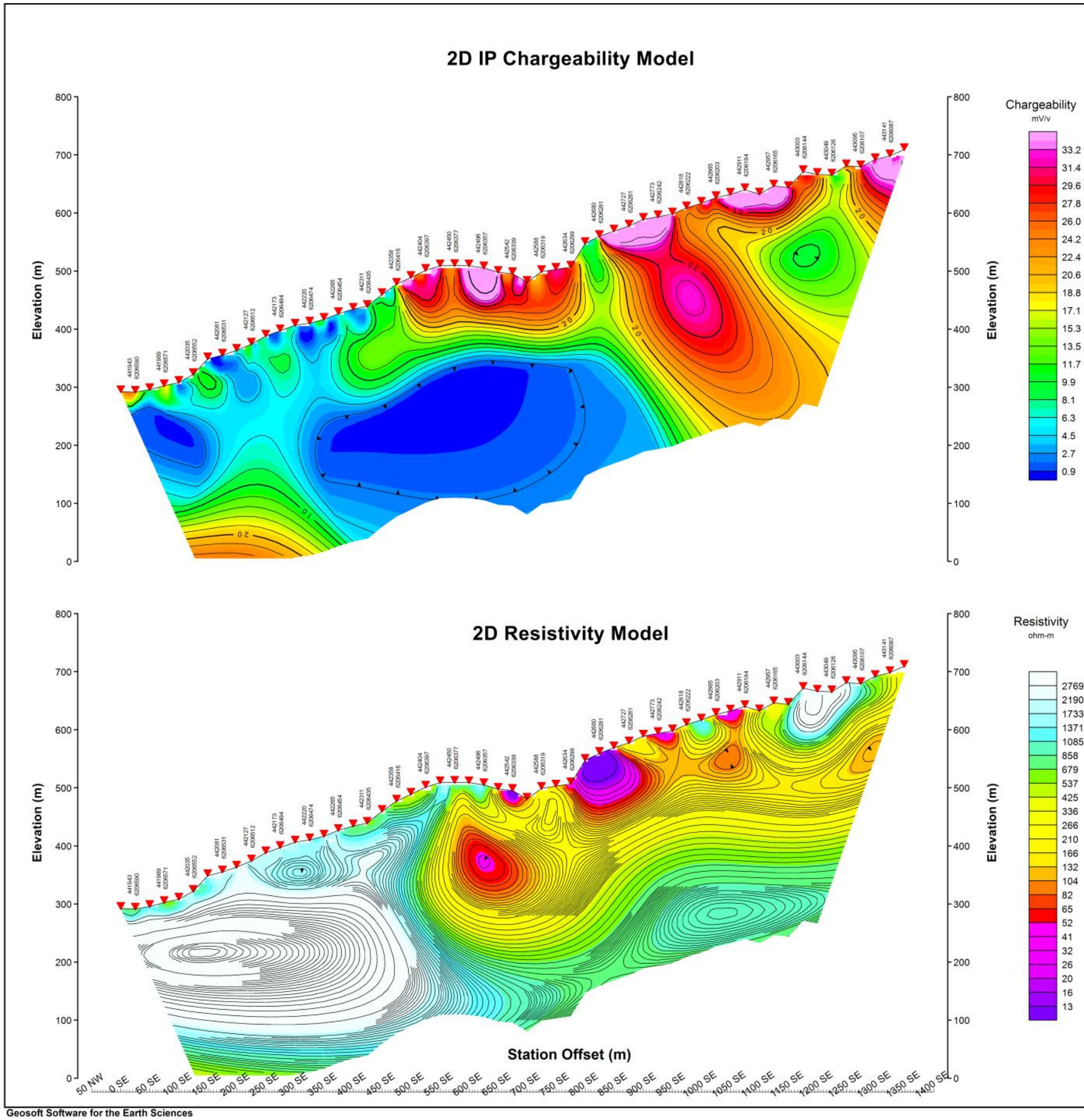


Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com


2D IP Chargeability Model
2D Resistivity Model
Elevation (m)
Station Offset (m)
Chargeability
mV/V
33.2
31.4
29.6
27.8
26.0
24.2
22.4
20.6
18.8
17.1
15.3
13.5
11.7
9.9
8.1
6.3
4.5
2.7
0.9
Resistivity
ohm-m
2769
2190
1733
1371
1085
858
679
537
425
336
266
210
166
132
104
82
65
52
41
32
26
20
16
13
2D Inversion Section Plots
Line 600N
Simcoe's Dipole-Pole-Dipole Array
plot points
a = 50 m
Survey Specifications
Alpha IP - a Wireless Time Domain Distributed IP System
Dipole Spacing: 50m, n =1-28
Generator: Honda MG 12A
Transmitter: Walcer TX KW10
Tx.Current/Freq.: 0.05-20 Amps./400Hz/3 Phase
V Input/output: 125V line to Neutral/100 - 3200V in 10 steps
Switching: 2 sec.,(1, 2, 4 & 8 sec. available)
Receiver: Alpha IP 2 Channel (13 Units)
Chargeability Windows: 20 Programmable
24 bit A/D converter per channel
Ground Resistance: Up to 1.6 Mohm
Signal Waveform: Time Domain (ON+, OFF, ON-, OFF)
Data Processing
Platform: Proprietary IP Post Processing / Oasis Montaj
Inversion Algorithm: UBC 2D DCIP, Model misfit, Max 100 iters
Data Plotting
Gridding: Min. Curvature, 10m Grid Cell Size
Contours: Resistivity 1 dec. log, Chargeability Linear
Color Zoning: Log (Resistivity.tbl), Linear (Color.tbl)
Scale 1:6000
(meters)
Amrican Creek Resoureces
ALPHA IP SURVEY
Dunwell Project, Stewart, BC
Line 600N
2D Inversion Section Plots
Date: 12/09/2019
Project # SGL-19041
Simcoe Geoscience Limited
Geosoft Software for the Earth Sciences



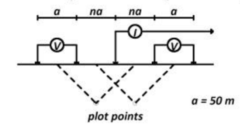
Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com



2D Inversion Section Plots

Line 800N

Simcoe's Dipole-Pole-Dipole Array



Survey Specifications

Alpha IP - a Wireless Time Domain Distributed IP System
Dipole Spacing: 50m, n =1-28
Generator: Honda MG 12A
Transmitter: Walcer TX KW10
Tx.Current/Freq.: 0.05-20 Amps./400Hz/3 Phase
V Input/output: 125V line to Neutral/100 - 3200V in 10 steps
Switching: 2 sec.,(1, 2, 4 & 8 sec. available)
Receiver: Alpha IP 2 Channel (13 Units)
Chargeability Windows: 20 Programmable
24 bit A/D converter per channel
Ground Resistance: Up to 1.6 Mohm
Signal Waveform: Time Domain (ON+, OFF, ON-, OFF)

Data Processing

Platform: Proprietary IP Post Processing / Oasis Montaj
Inversion Algorithm: UBC 2D DCIP, Model misfit, Max 100 iters

Data Plotting

Gridding: Min. Curvature, 10m Grid Cell Size
Contours: Resistivity 1 dec. log, Chargeability Linear
Color Zoning: Log (Resistivity.tbl), Linear (Color.tbl)

Scale 1:6000

100 0 100 200 300

(meters)

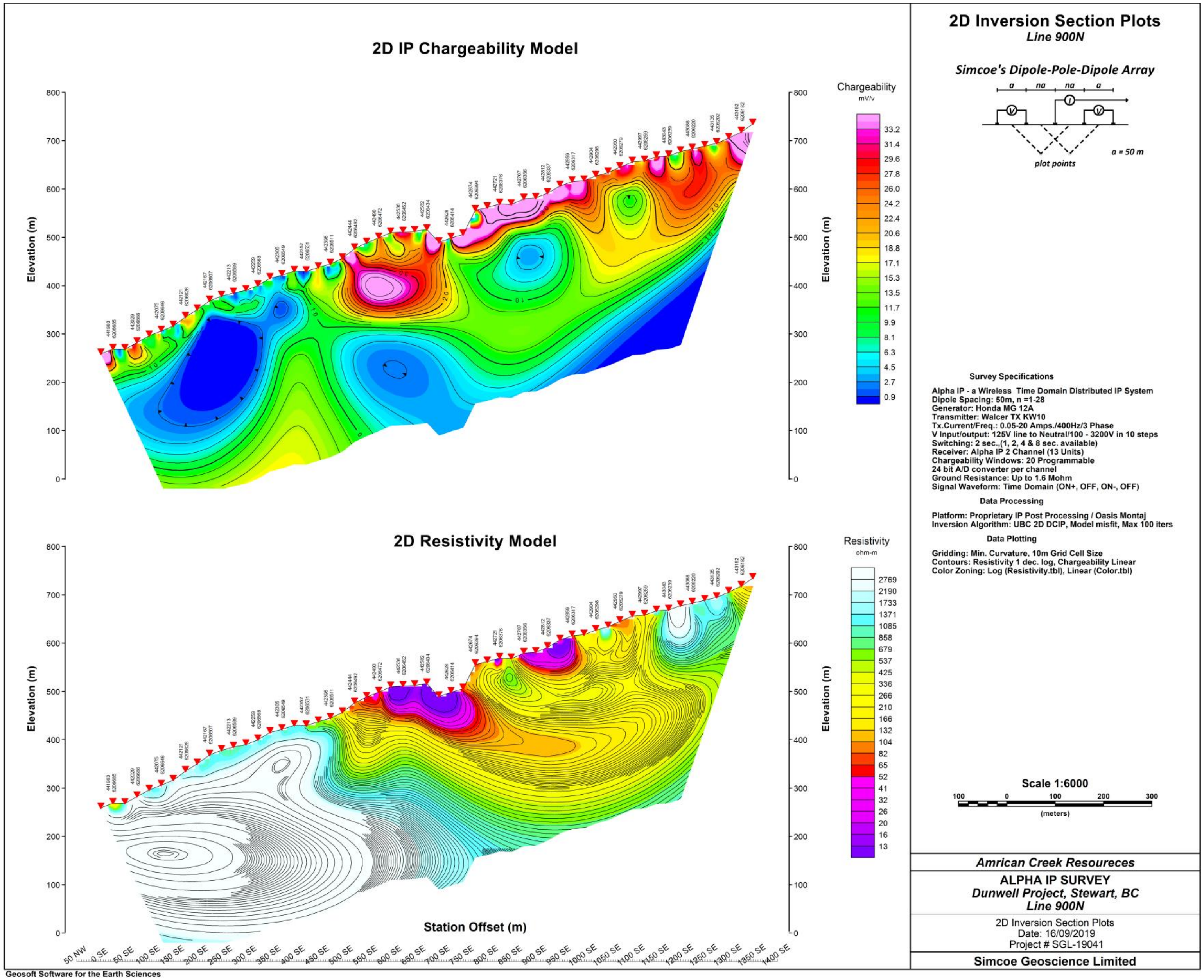
Amrican Creek Resoureces

ALPHA IP SURVEY
Dunwell Project, Stewart, BC
Line 800N

2D Inversion Section Plots
Date: 16/09/2019
Project # SGL-19041

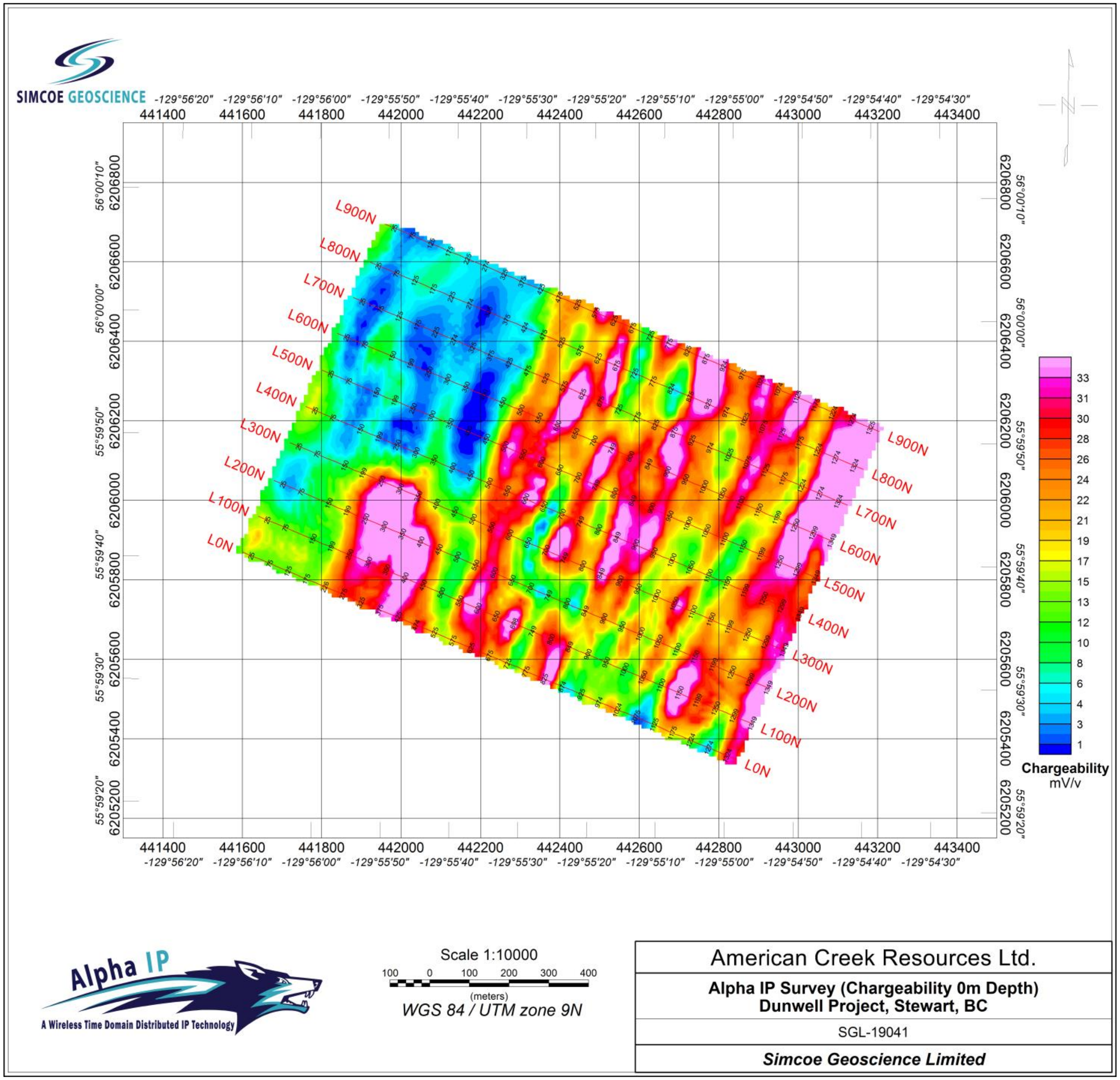
Simcoe Geoscience Limited

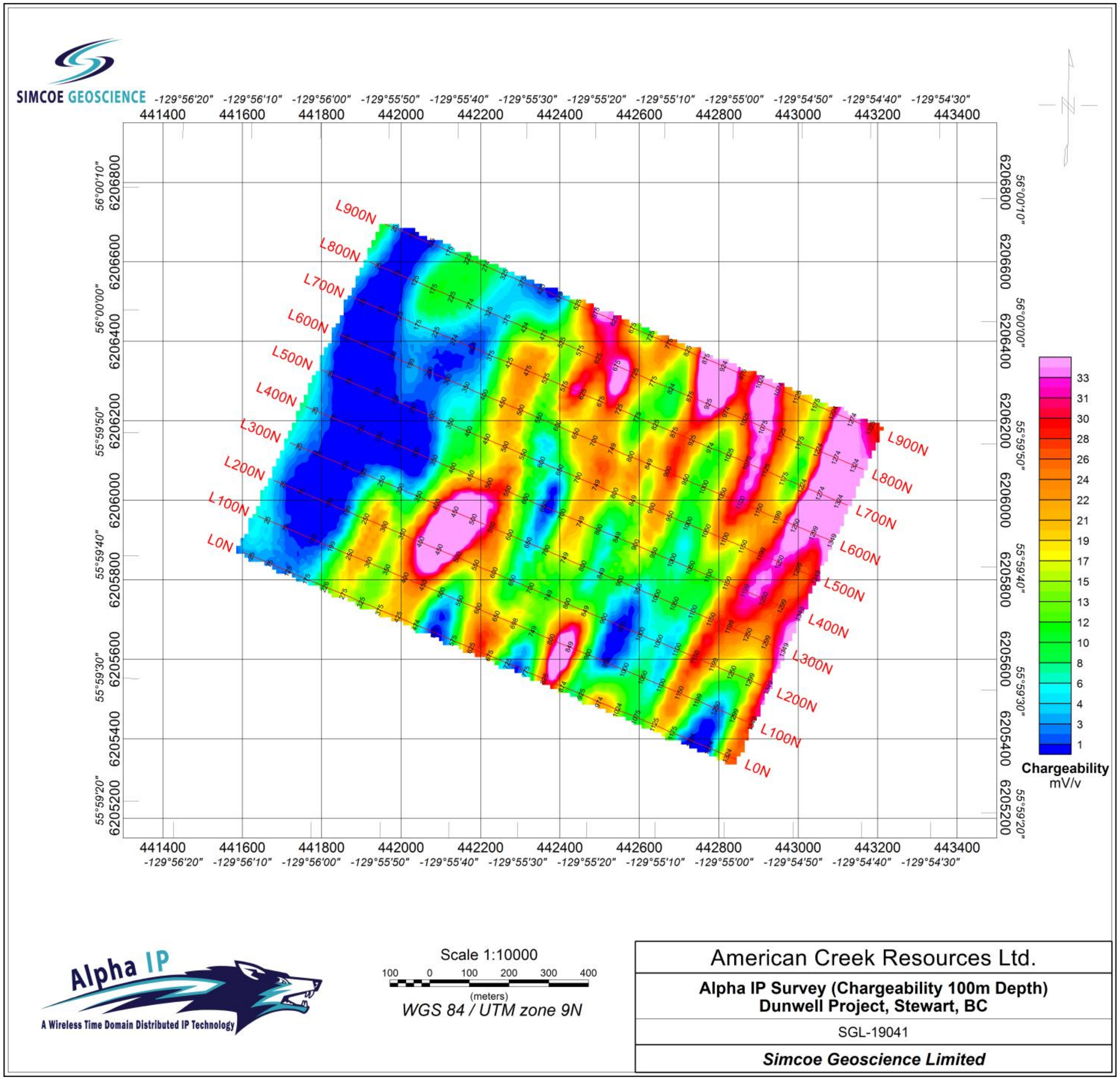
Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com

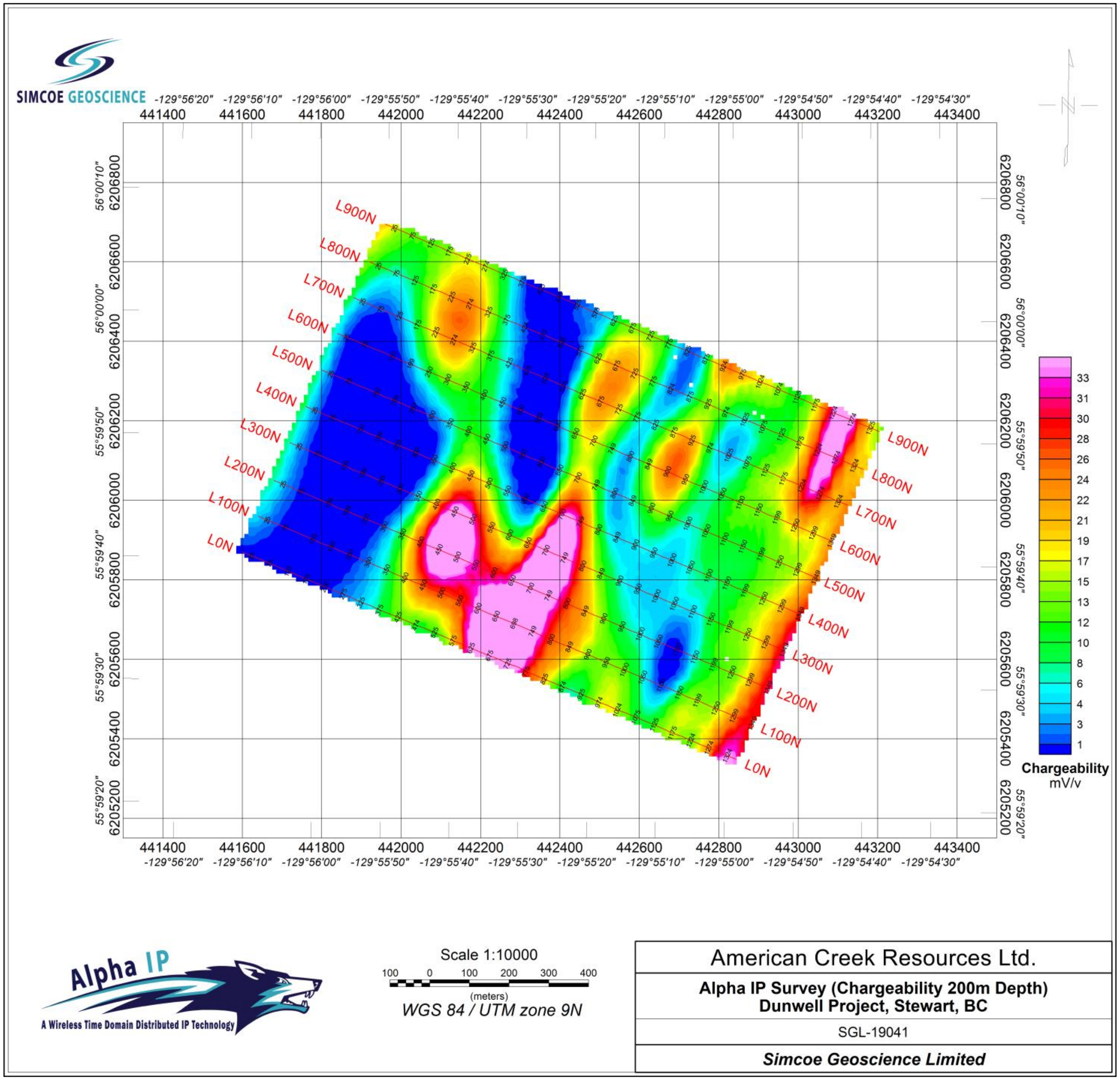


Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com

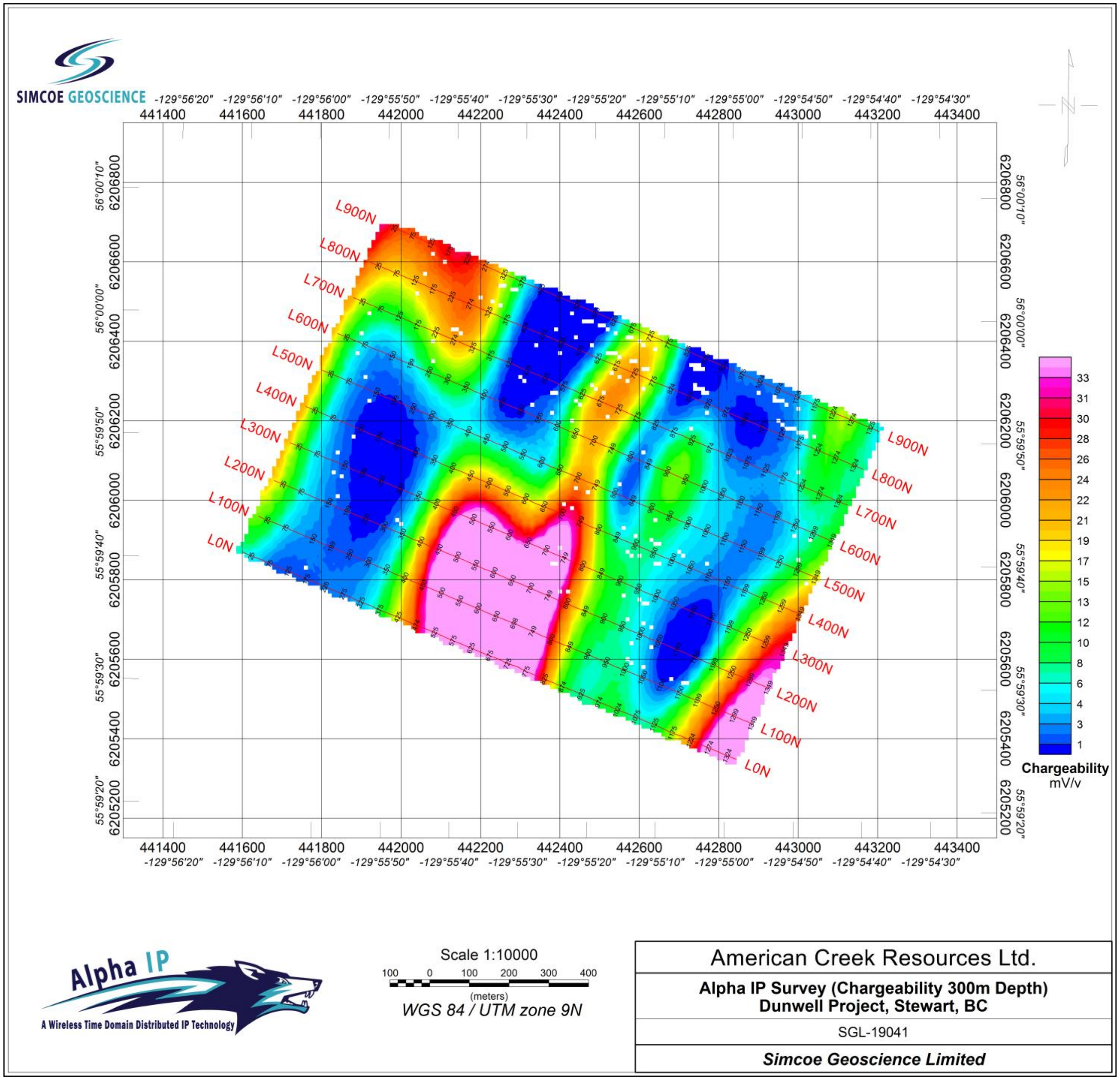
Project # SGL-19041

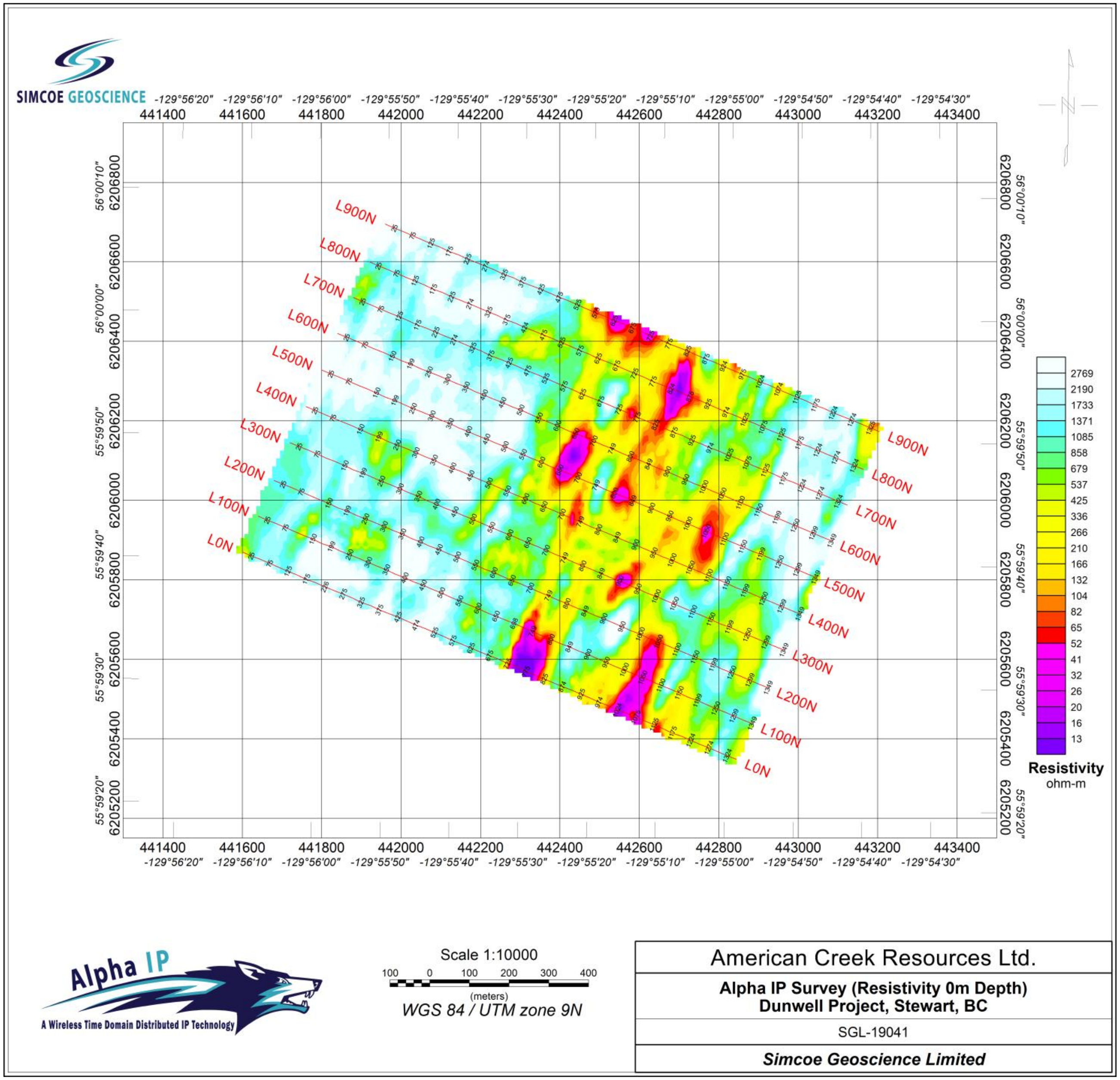



SIMCOE GEOSCIENCE
Chargeability
mV/v
Alpha IP
A Wireless Time Domain Distributed IP Technology
Scale 1:10000
(meters)
WGS 84 / UTM zone 9N
American Creek Resources Ltd.
Alpha IP Survey (Chargeability 100m Depth)
Dunwell Project, Stewart, BC
SGL-19041
Simcoe Geoscience Limited

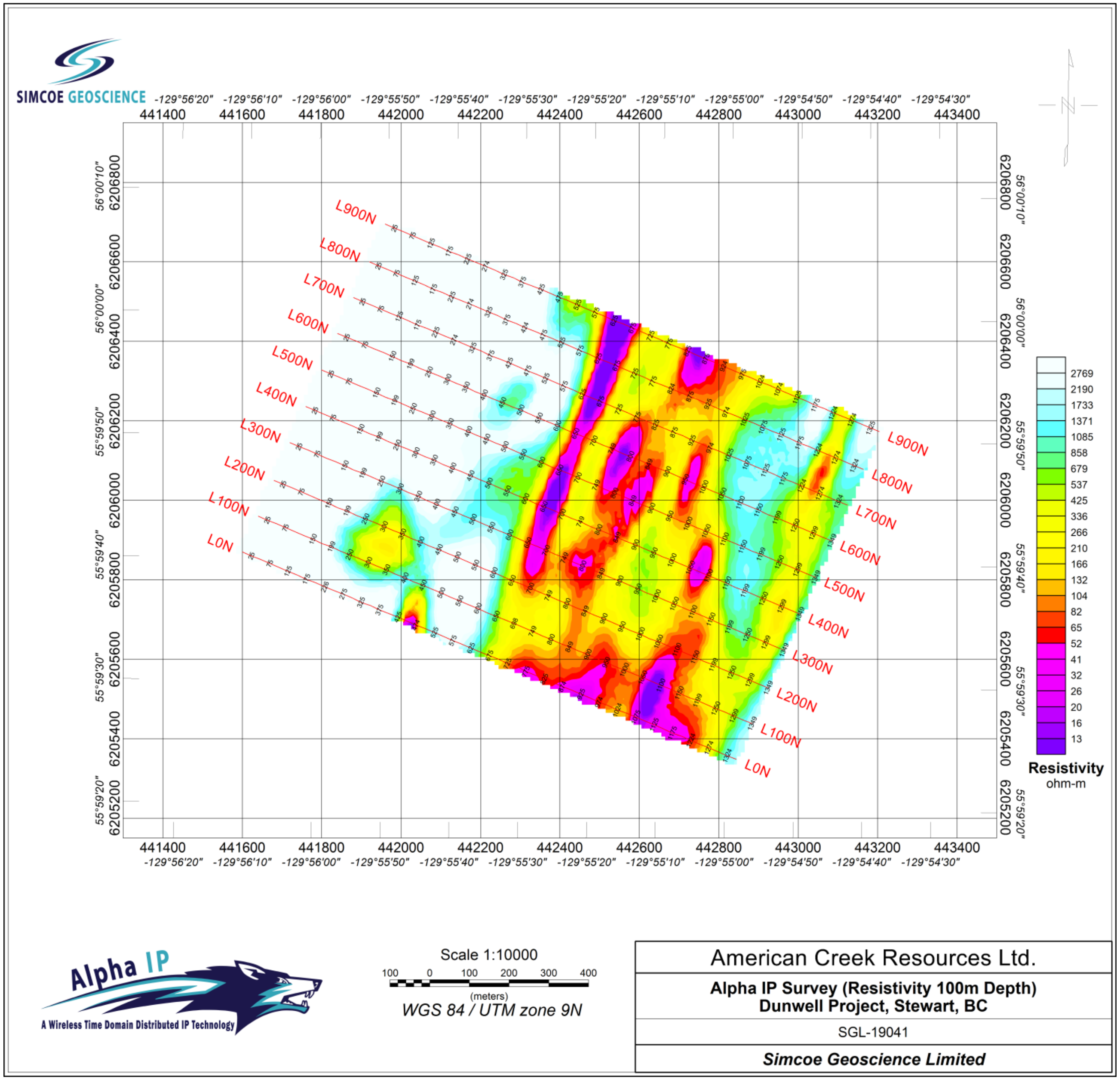


Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com

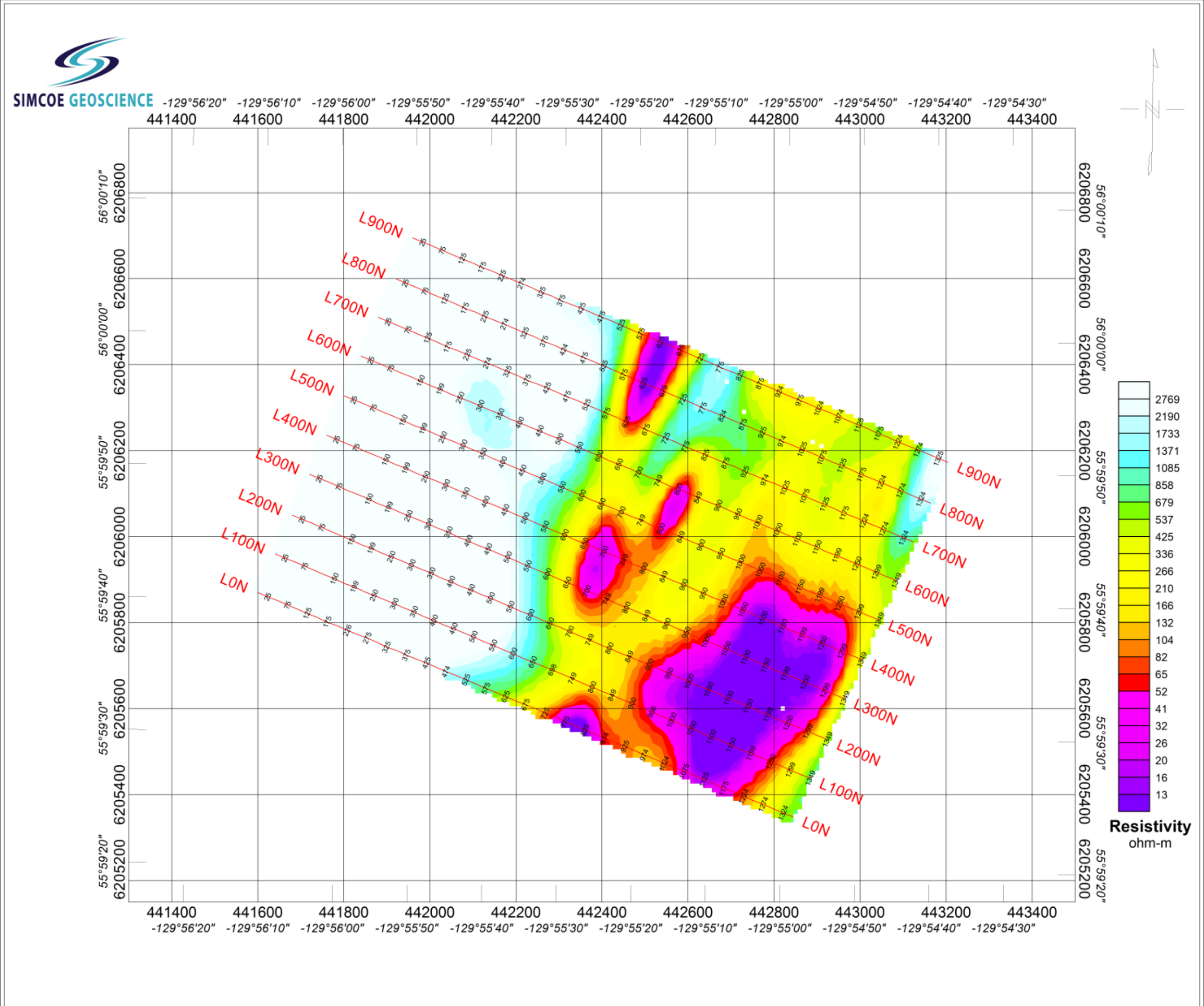

SIMCOE GEOSCIENCE
Chargeability
mV/v
Scale 1:10000
(meters)
WGS 84 / UTM zone 9N
American Creek Resources Ltd.
Alpha IP Survey (Chargeability 300m Depth)
Dunwell Project, Stewart, BC
SGL-19041
Simcoe Geoscience Limited
Alpha IP
A Wireless Time Domain Distributed IP Technology



Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com

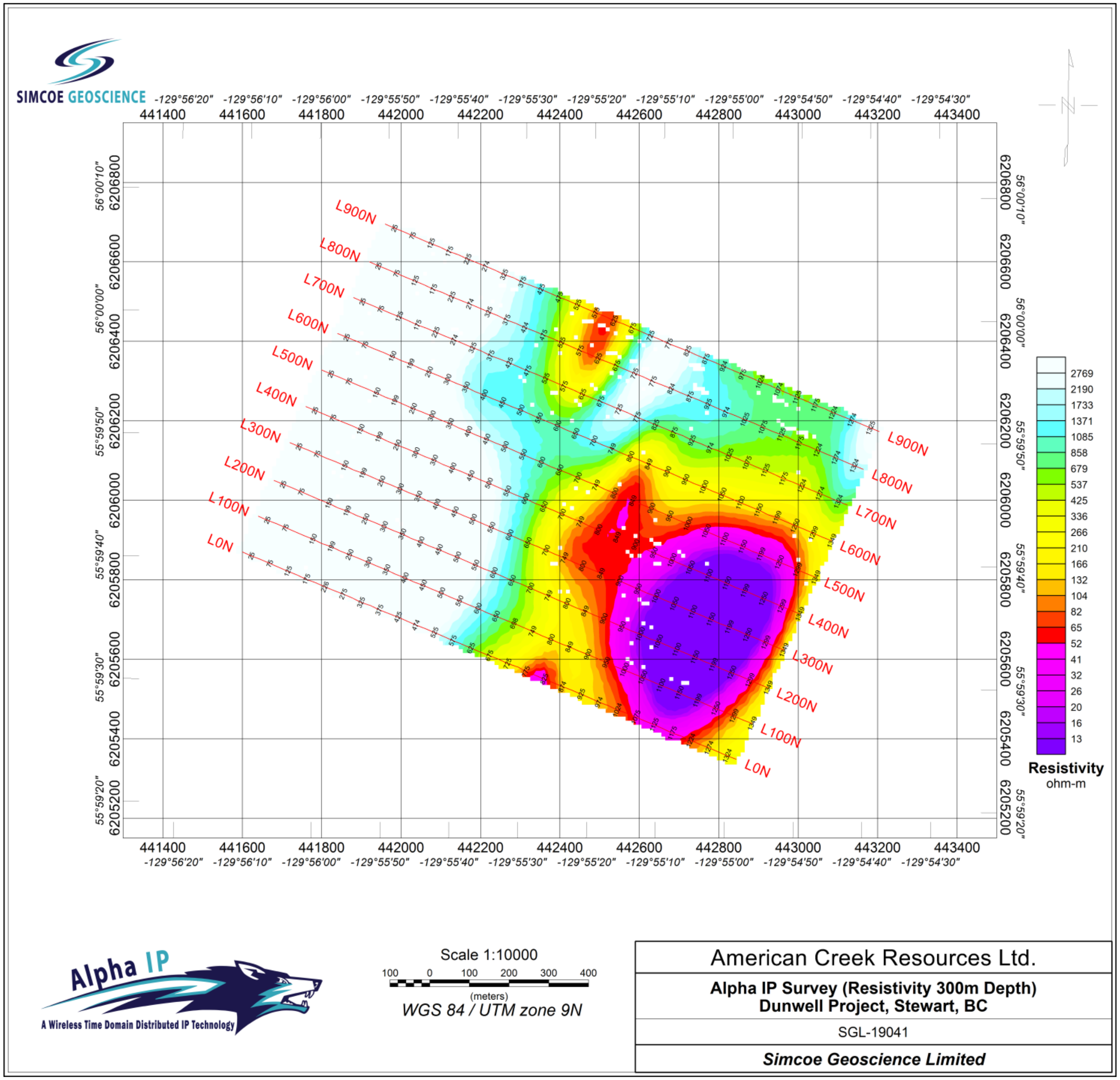


Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com



American Creek Resources Ltd.
Alpha IP Survey (Resistivity 200m Depth) **Dunwell Project, Stewart, BC**
SGL-19041
Simcoe Geoscience Limited

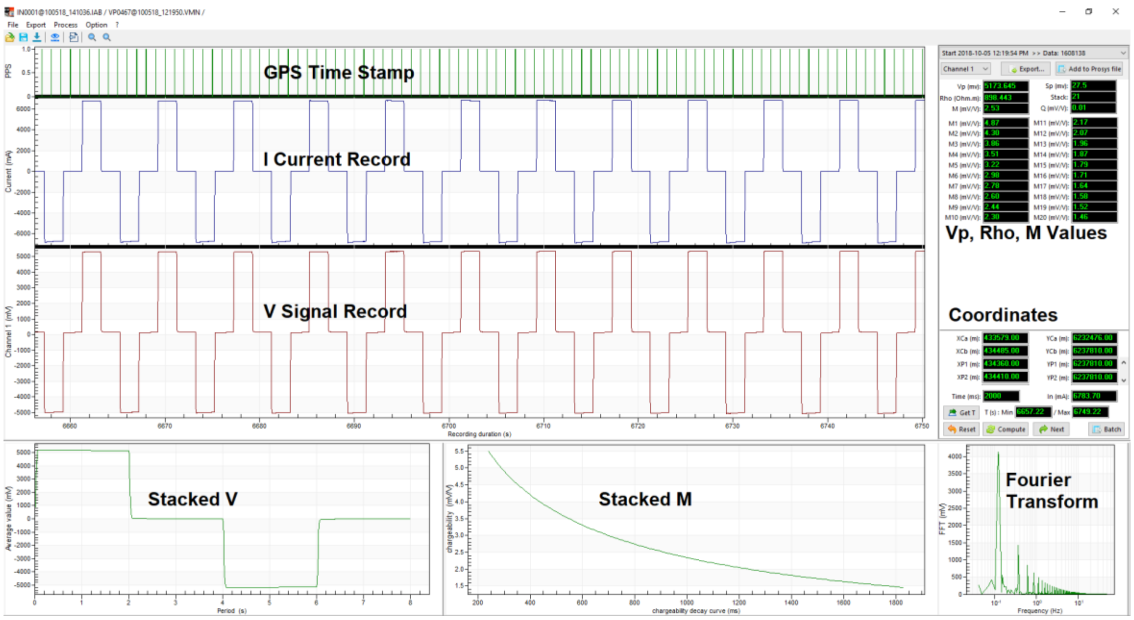
Simcoe Geoscience Limited
13-11 Cardico Drive, Stouffville, ON, L4A 2G5
Phone: +1 (905) 235 7822 / Toll Free: +1 (844) 794 7822
Fax: +1 (905) 235 7821 / info@SimcoeGeoscience.com


SIMCOE GEOSCIENCE
L900N
L800N
L700N
L600N
L500N
L400N
L300N
L200N
L100N
L0N
Resistivity
ohm-m
2769
2190
1733
1371
1085
858
679
537
425
336
266
210
166
132
104
82
65
52
41
32
26
20
16
13
Alpha IP
A Wireless Time Domain Distributed IP Technology
Scale 1:10000
(meters)
WGS 84 / UTM zone 9N
American Creek Resources Ltd.
Alpha IP Survey (Resistivity 300m Depth)
Dunwell Project, Stewart, BC
SGL-19041
Simcoe Geoscience Limited

C INSTRUMENT TECHNICAL SPECIFICATIONS

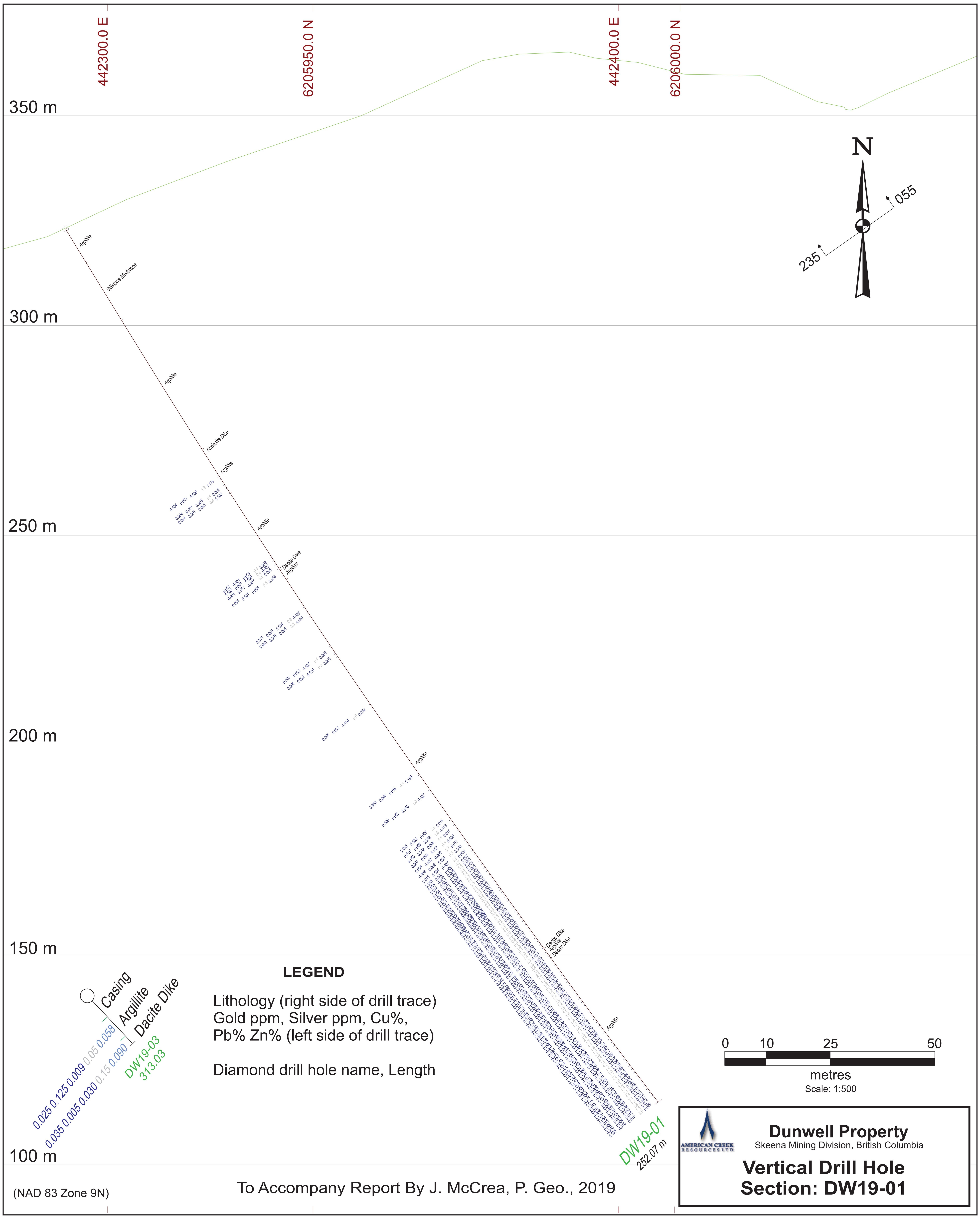
IP Receiver (V-Alpha) Characteristics	
Pulse duration	1s, 2s, 4s, or 8s
Channels	2 Channels
Input Impedance	100 MOhms
Induced Polarization	(Chargeability) measured every 10 milliseconds (200 IP windows for a 2 sec pulse)
Input Voltage	15V, Automatic Gain, Input Protection 1000V
Resolution / Accuracy	1 µV / 0.2%
Readings	Full Waveform 10ms (100Hz) Sampling Rate, Resistivity, Self-Potential
Noise Rejection	Power Line Rejection, SP Linear Drift Correction.
Storage	Up to 70 days, Stored on Solid State Memory
Low Pass Filter & Upper Cut Off Frequency	10 Hz – 50Hz
Frequency Resolution	Up to 34 micro Hz
Time Resolution	250 micro seconds (Time Stamped Samples)
Contact Resistance Check	Fast resistance check to improve the contacts
GPS	Internal GPS with PPS (one pulse per second), GPS Input for Coordinates and Synchronization
Display	LCD Display, Graphic and Alpha Numeric with 16 Lines of 40 Characters
Data Flash Memory	one month recording
After Acquisition	Data retrieval on a USB Key
Battery Test	In Field Test
Power supply	Internal Li-Ion Rechargeable Battery; Optional External 12V Standard Battery
Autonomy	80 Operating Hours with the Internal Li-Ion Battery
Operating Temperature	-20 °C to +70 °C, Weather proof IP 67
Dimensions	31 x 25 x 15 cm
Weight	2.8 kg
IP Current Recorder (I-Alphi) Characteristics	
Pulse duration	1s, 2s, 4s, or 8s
Channels	1 channel
Input current	+/- 25000mA (optional 50A)
Resolution / Accuracy	0.1mA / 0.1%
Protection	up to 50 A and 3 000 V
Sensor	Magnetic Sensor
Magnetization offset (offset memory)	up to 0.05%
Readings	full waveform 10ms (100Hz) sampling rate
Calibration	Offset Calibration
Storage	up to 70 days 2 channels full waveform, stored on solid state memory
Time Resolution	250 micro seconds (time stamped samples)
Battery Test	In field test
GPS	Internal GPS with PPS (one pulse per second), GPS input for coordinates and synchronization
Display	LCD display, graphic and alpha numeric with 4 lines of 20 characters
Data Flash Memory	one month recording
After Acquisition	Data retrieval on a USB key
Power supply	internal Li-Ion rechargeable battery; optional external 12V standard car battery can be also used
Autonomy	80 operating hours with the internal Li-Ion battery
Operating Temperature	-20 °C to +70 °C, Weather proof IP 67
Dimensions	31 x 25 x 15 cm
Weight	3.0 kg
IP Transmitter Characteristics	
Voltage Input	125V line to neutral, 400 Hz / 3 phase

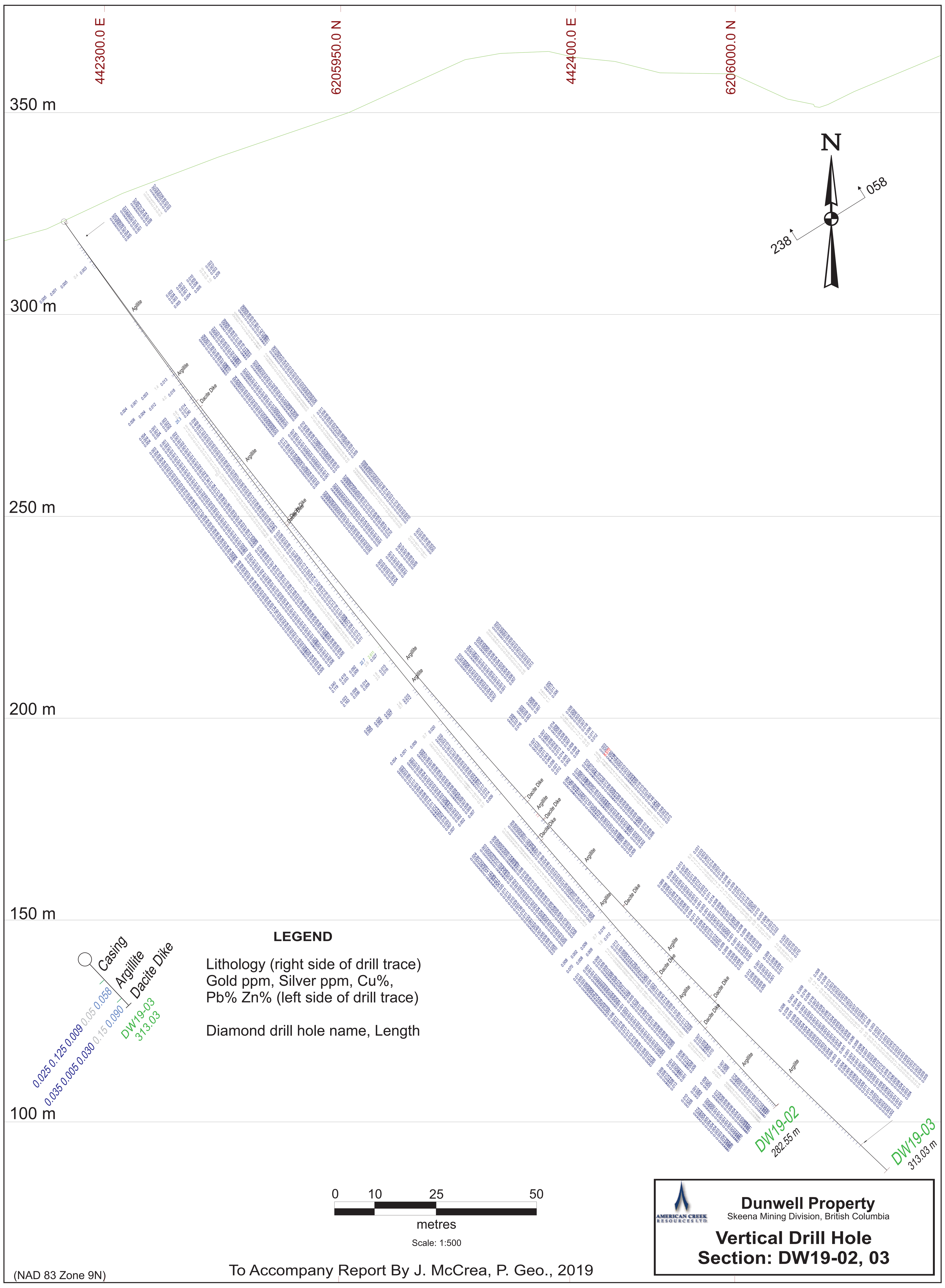
Output	100 - 3200V in 10 steps, 0.05 - 20 Amps, Tested to 10.5 kVA
Switching	1 sec., 2 sec., 4 sec., 8 sec.
Metering	LED for line voltage and output current
Size	63cm. x 54cm. x 25cm.
Weight	44 kg.
IP Generator Characteristics	
Output	Self Excite / Regulated, 120 / 220V AC, 20 KVA Max, 400 Hz / 3 phase
Generator	Bendix Aircraft Type, Very durable, Forced Air Cooled
Engine	24 HP Honda, Electric Start
Gasoline Tank	External - to minimize, shipping problems with airlines
Size	79cm. x 61cm. x 48cm
Weight	89 kg.



APPENDIX V

Diamond Drill Hole Sections

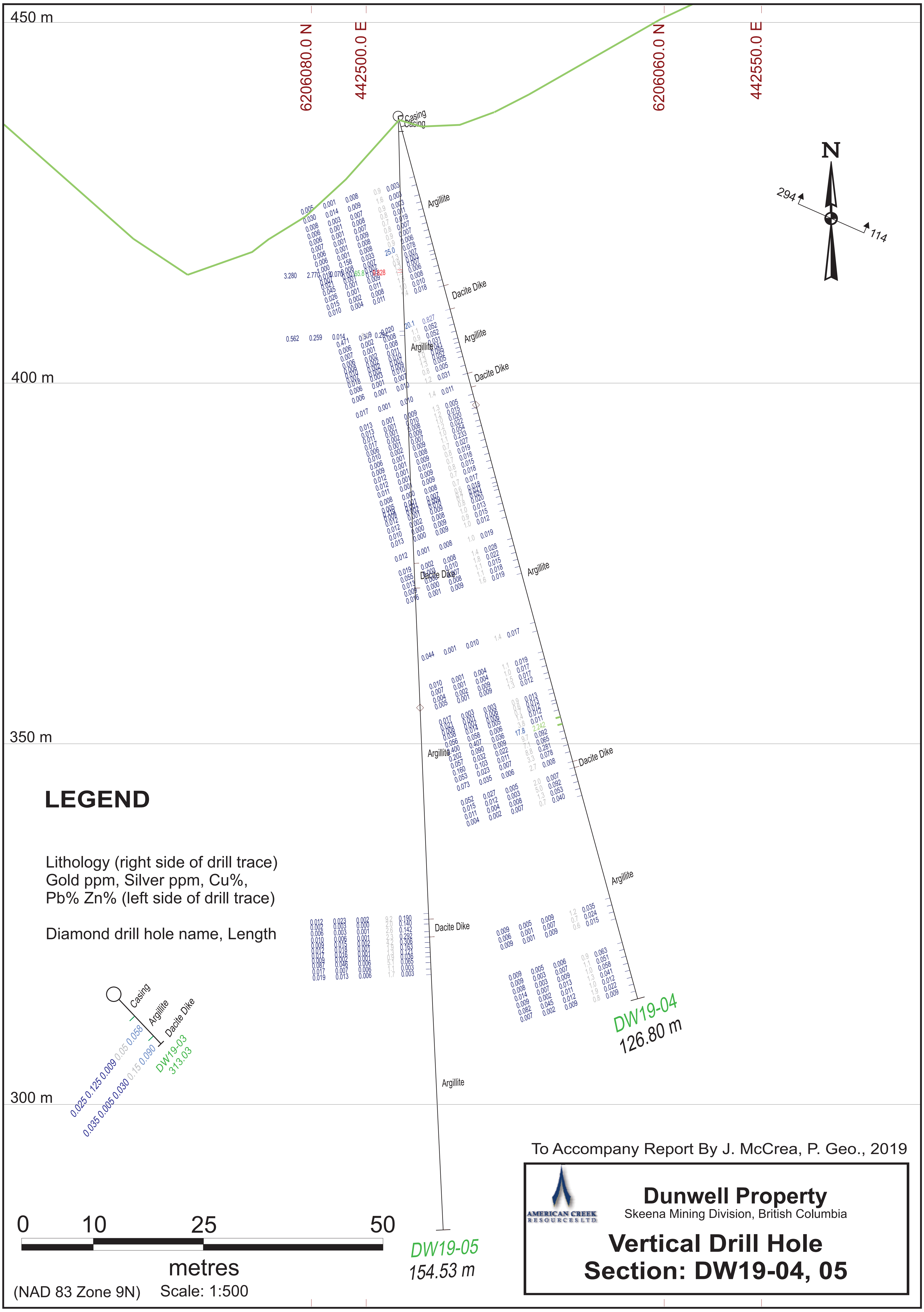

442300.0 E
6205950.0 N
442400.0 E
6206000.0 N
350 m
300 m
250 m
200 m
150 m
100 m
N
055
235
LEGEND
Casing
Argillite
Dacite Dike
0.025 0.125 0.009 0.05 0.058
0.035 0.005 0.030 0.15 0.090
DW19-03
313.03
Lithology (right side of drill trace)
Gold ppm, Silver ppm, Cu%,
Pb% Zn% (left side of drill trace)
Diamond drill hole name, Length
0 10 25 50
metres
Scale: 1:500
DW19-01
252.07 m
(NAD 83 Zone 9N)
To Accompany Report By J. McCrea, P. Geo., 2019
Dunwell Property
Skeena Mining Division, British Columbia
Vertical Drill Hole
Section: DW19-01

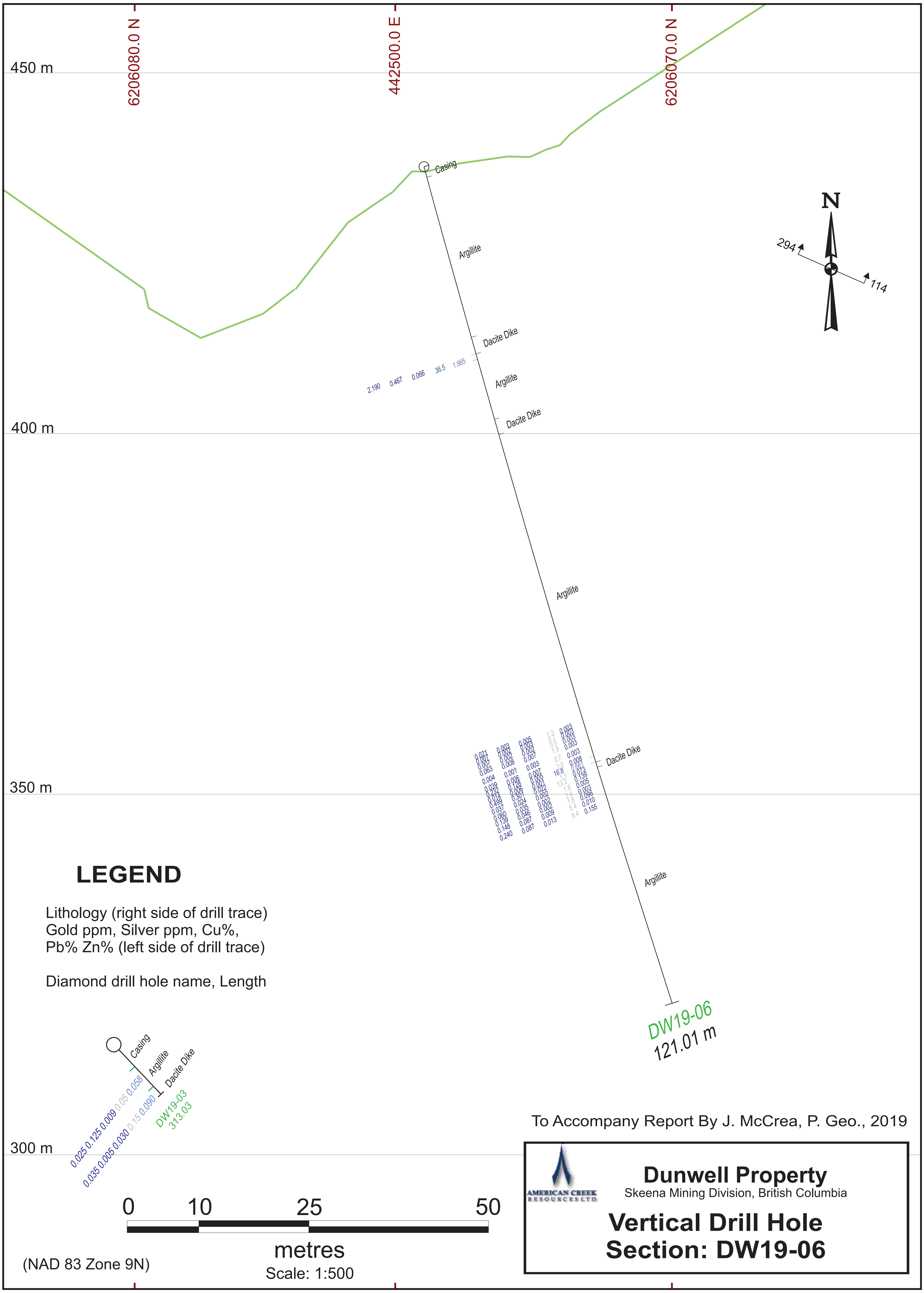


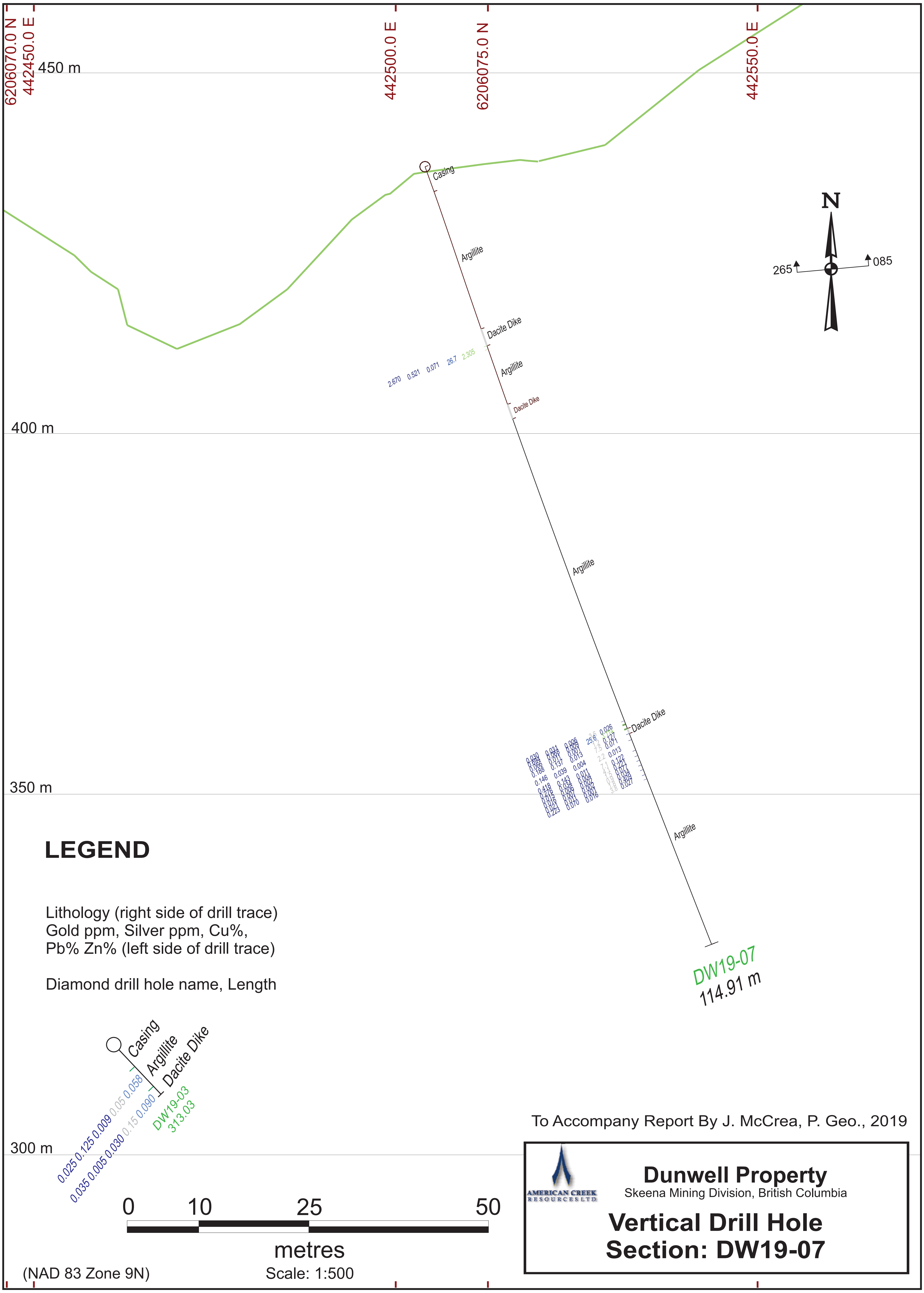
Dunwell Property
Skeena Mining Division, British Columbia

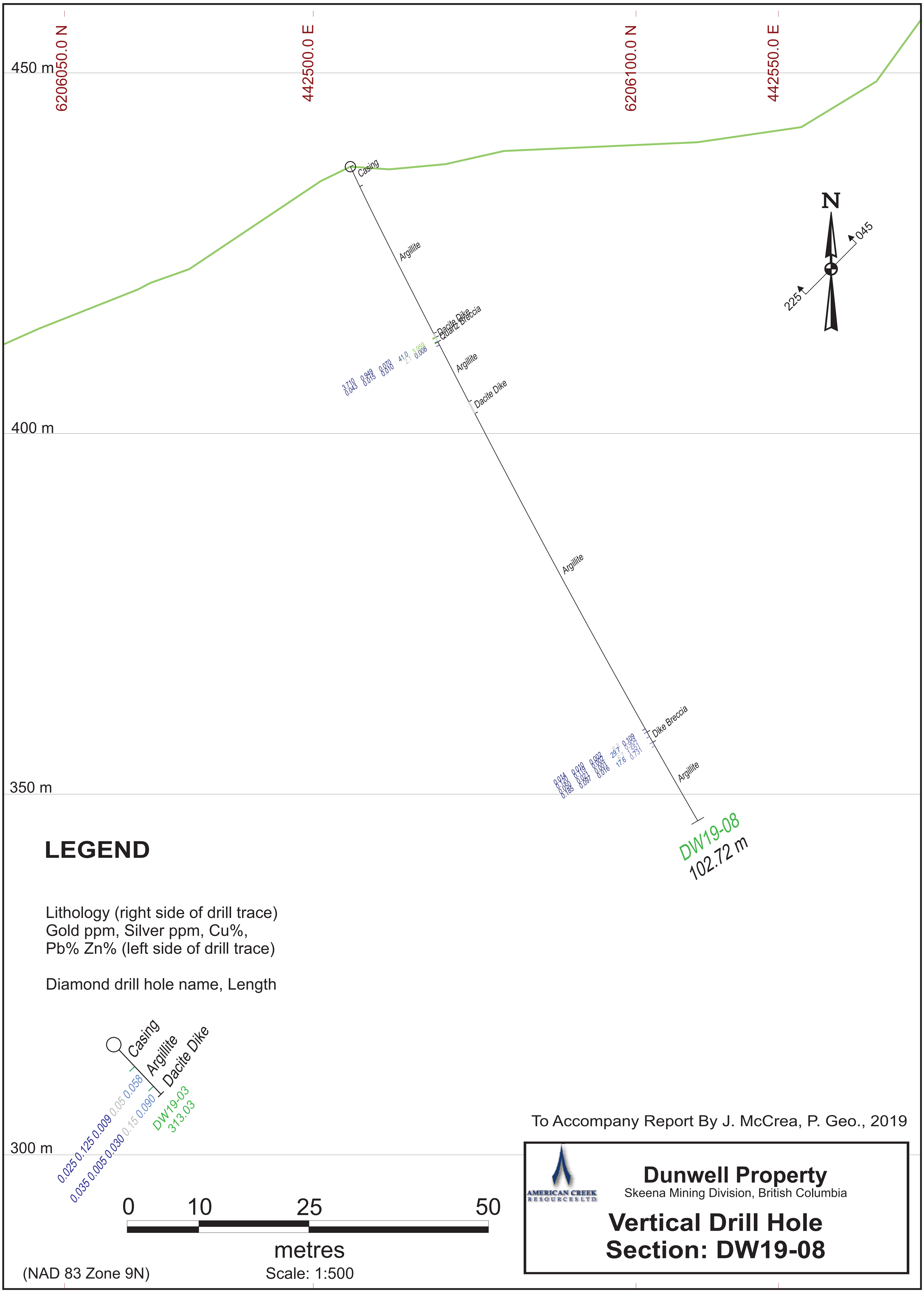
Vertical Drill Hole
Section: DW19-02, 03

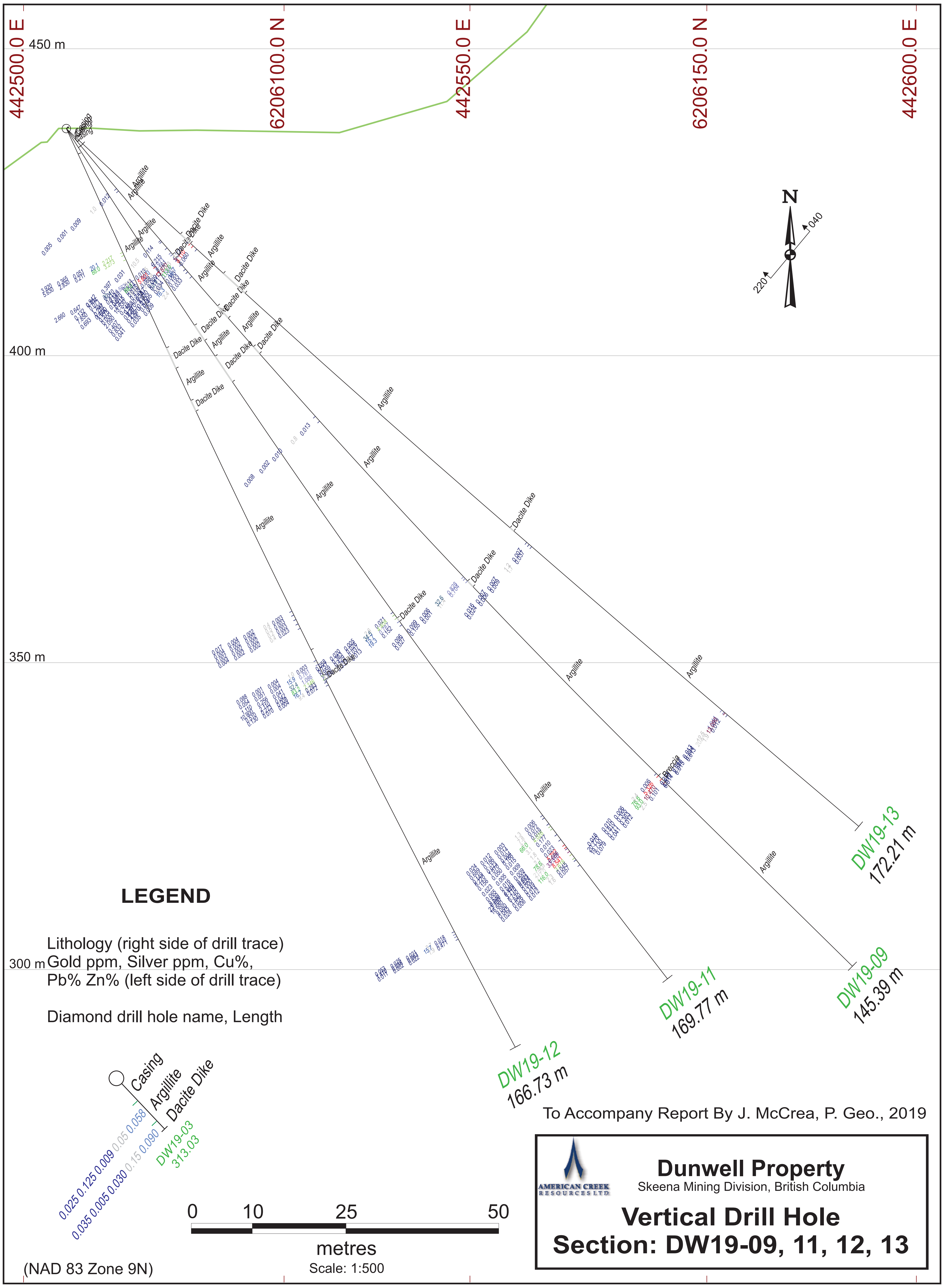
To Accompany Report By J. McCrea, P. Geo., 2019

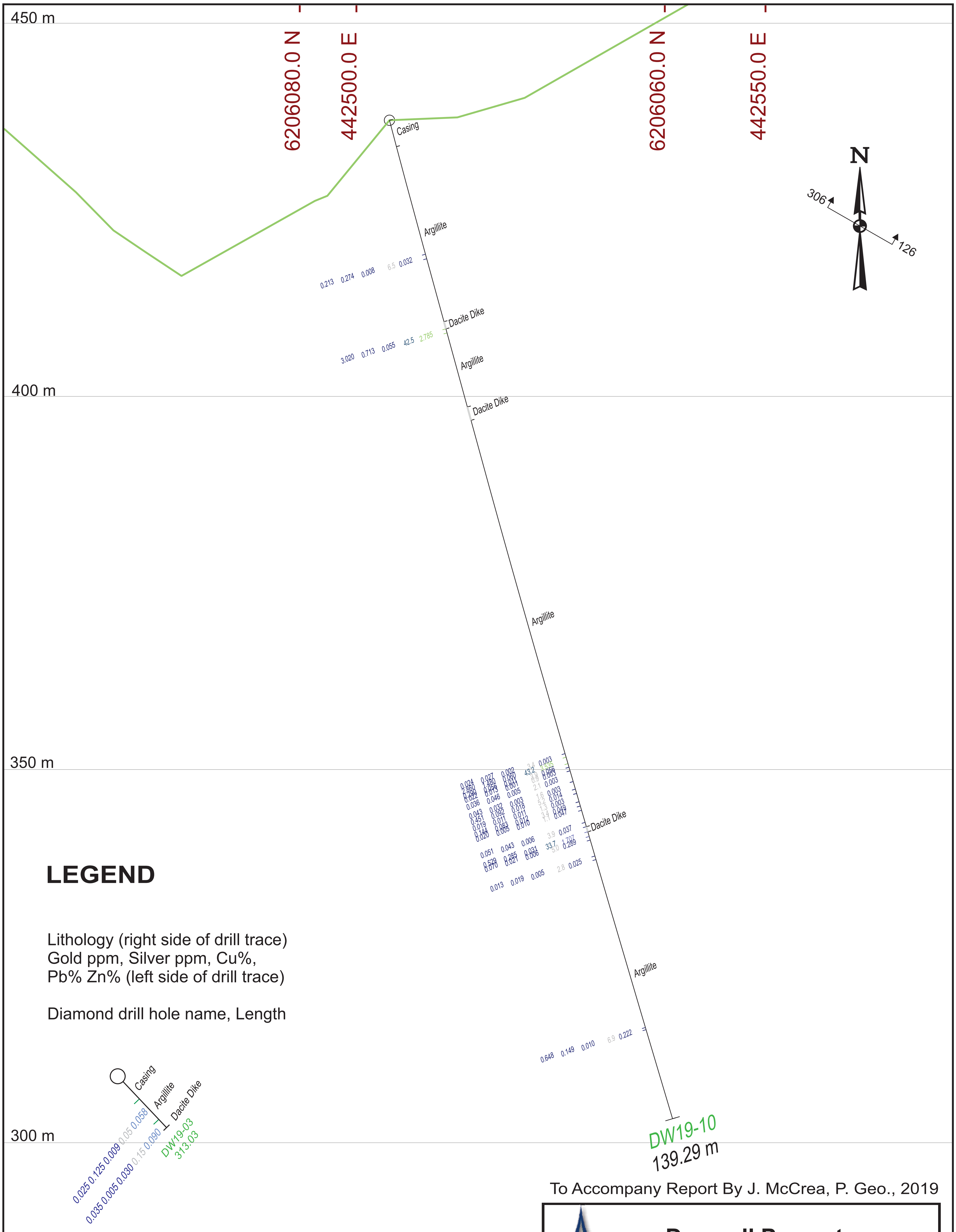

450 m
400 m
350 m
300 m
6206080.0 N
442500.0 E
6206060.0 N
442550.0 E
N
294
114
Casing
Argillite
Dacite Dike
LEGEND
Lithology (right side of drill trace)
Gold ppm, Silver ppm, Cu%,
Pb% Zn% (left side of drill trace)
Diamond drill hole name, Length
DW19-03
313.03
DW19-04
126.80 m
DW19-05
154.53 m
0
10
25
50
metres
(NAD 83 Zone 9N)
Scale: 1:500
To Accompany Report By J. McCrea, P. Geo., 2019
AMERICAN CREEK RESOURCES LTD.
Dunwell Property
Skeena Mining Division, British Columbia
Vertical Drill Hole
Section: DW19-04, 05


6206080.0 N
442500.0 E
6206070.0 N
450 m
400 m
350 m
300 m
Casing
Argillite
Dacite Dike
Argillite
Dacite Dike
Argillite
Dacite Dike
Argillite
2.190 0.467 0.066 36.5 1.965
N
294
114
DW19-06
121.01 m
LEGEND
Lithology (right side of drill trace)
Gold ppm, Silver ppm, Cu%,
Pb% Zn% (left side of drill trace)
Diamond drill hole name, Length
Casing
Argillite
Dacite Dike
0.025 0.125 0.009 0.05 0.058
0.035 0.005 0.030 0.15 0.090
DW19-03
313.03
0 10 25 50
metres
Scale: 1:500
(NAD 83 Zone 9N)
To Accompany Report By J. McCrea, P. Geo., 2019
AMERICAN CREEK RESOURCES LTD.
Dunwell Property
Skeena Mining Division, British Columbia
Vertical Drill Hole
Section: DW19-06


6206070.0 N
442450.0 E
442500.0 E
6206075.0 N
442550.0 E
450 m
400 m
350 m
300 m
N
265
085
Casing
Argillite
Dacite Dike
Argillite
Dacite Dike
Argillite
Dacite Dike
Argillite
2.670
0.521
0.071
26.7
2.305
DW19-07
114.91 m
LEGEND
Lithology (right side of drill trace)
Gold ppm, Silver ppm, Cu%,
Pb% Zn% (left side of drill trace)
Diamond drill hole name, Length
Casing
Argillite
Dacite Dike
0.025 0.125 0.009 0.05 0.058
0.035 0.005 0.030 0.15 0.090
DW19-03
313.03
0
10
25
50
metres
Scale: 1:500
(NAD 83 Zone 9N)
To Accompany Report By J. McCrea, P. Geo., 2019
AMERICAN CREEK RESOURCES LTD.
Dunwell Property
Skeena Mining Division, British Columbia
Vertical Drill Hole
Section: DW19-07


6206050.0 N
442500.0 E
6206100.0 N
442550.0 E
450 m
400 m
350 m
300 m
Casing
Argillite
Dacite Dike
Quartz Breccia
Argillite
Dacite Dike
Argillite
Dike Breccia
Argillite
DW19-08
102.72 m
N
045
225
LEGEND
Lithology (right side of drill trace)
Gold ppm, Silver ppm, Cu%,
Pb% Zn% (left side of drill trace)
Diamond drill hole name, Length
Casing
Argillite
Dacite Dike
0.025 0.125 0.009 0.05 0.058
0.035 0.005 0.030 0.15 0.090
DW19-03
313.03
0 10 25 50
metres
Scale: 1:500
(NAD 83 Zone 9N)
To Accompany Report By J. McCrea, P. Geo., 2019
AMERICAN CREEK RESOURCES LTD.
Dunwell Property
Skeena Mining Division, British Columbia
Vertical Drill Hole
Section: DW19-08


442500.0 E
6206100.0 N
442550.0 E
6206150.0 N
442600.0 E
450 m
400 m
350 m
300 m
N
040
220
DW19-13
172.21 m
DW19-11
169.77 m
DW19-09
145.39 m
DW19-12
166.73 m
LEGEND
Lithology (right side of drill trace)
Gold ppm, Silver ppm, Cu%,
Pb% Zn% (left side of drill trace)
Diamond drill hole name, Length
Casing
Argillite
Dacite Dike
DW19-03
313.03
0.025 0.125 0.009 0.05 0.058
0.035 0.005 0.030 0.15 0.090
0 10 25 50
metres
Scale: 1:500
(NAD 83 Zone 9N)
To Accompany Report By J. McCrea, P. Geo., 2019
AMERICAN CREEK RESOURCES LTD.
Dunwell Property
Skeena Mining Division, British Columbia
Vertical Drill Hole
Section: DW19-09, 11, 12, 13



LEGEND

Lithology (right side of drill trace)
Gold ppm, Silver ppm, Cu%,
Pb% Zn% (left side of drill trace)

Diamond drill hole name, Length

(NAD 83 Zone 9N)

Scale: 1:500

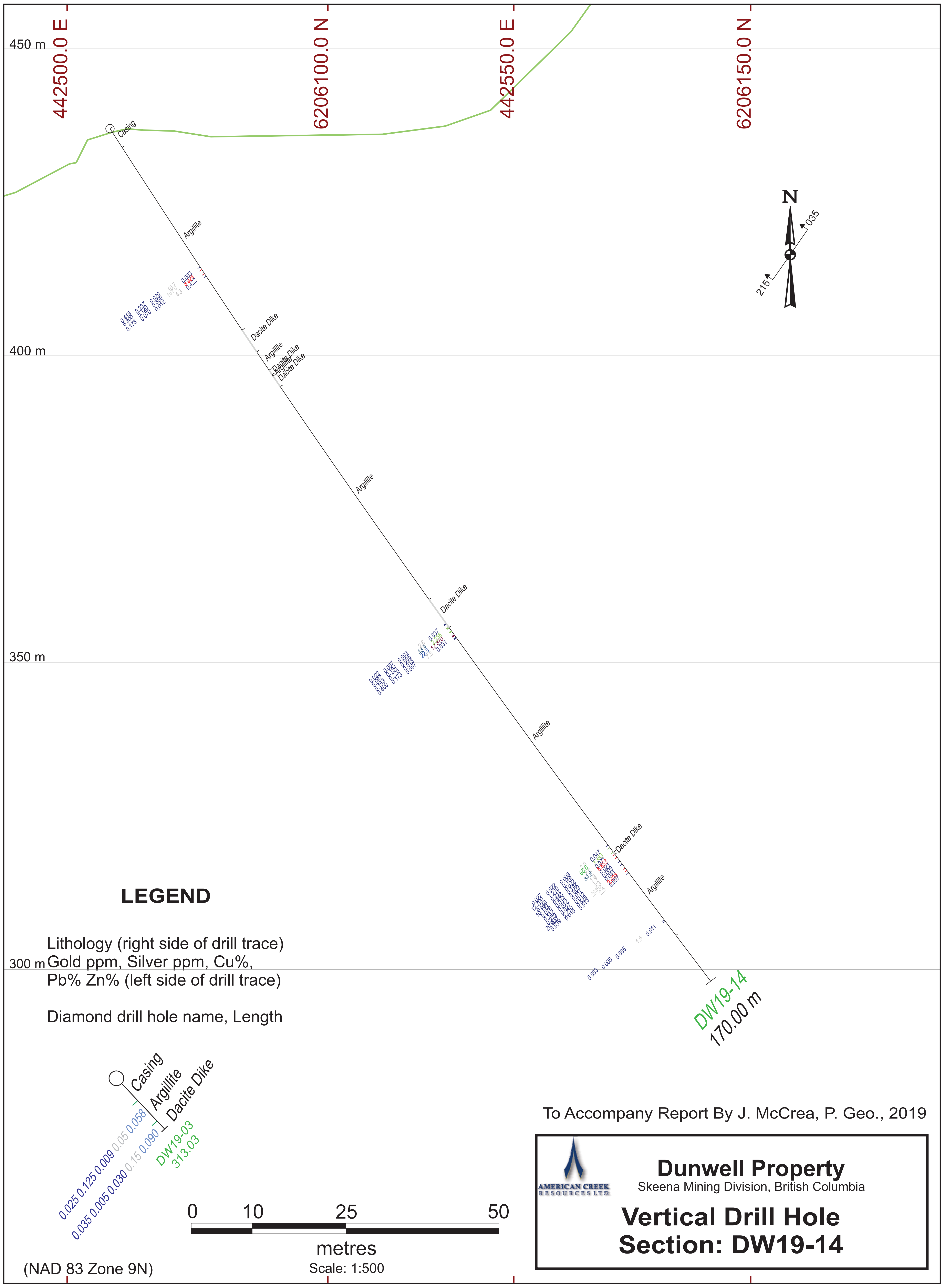
To Accompany Report By J. McCrea, P. Geo., 2019

AMERICAN CREEK RESOURCES LTD.

Dunwell Property

Skeena Mining Division, British Columbia

Vertical Drill Hole Section: DW19-10

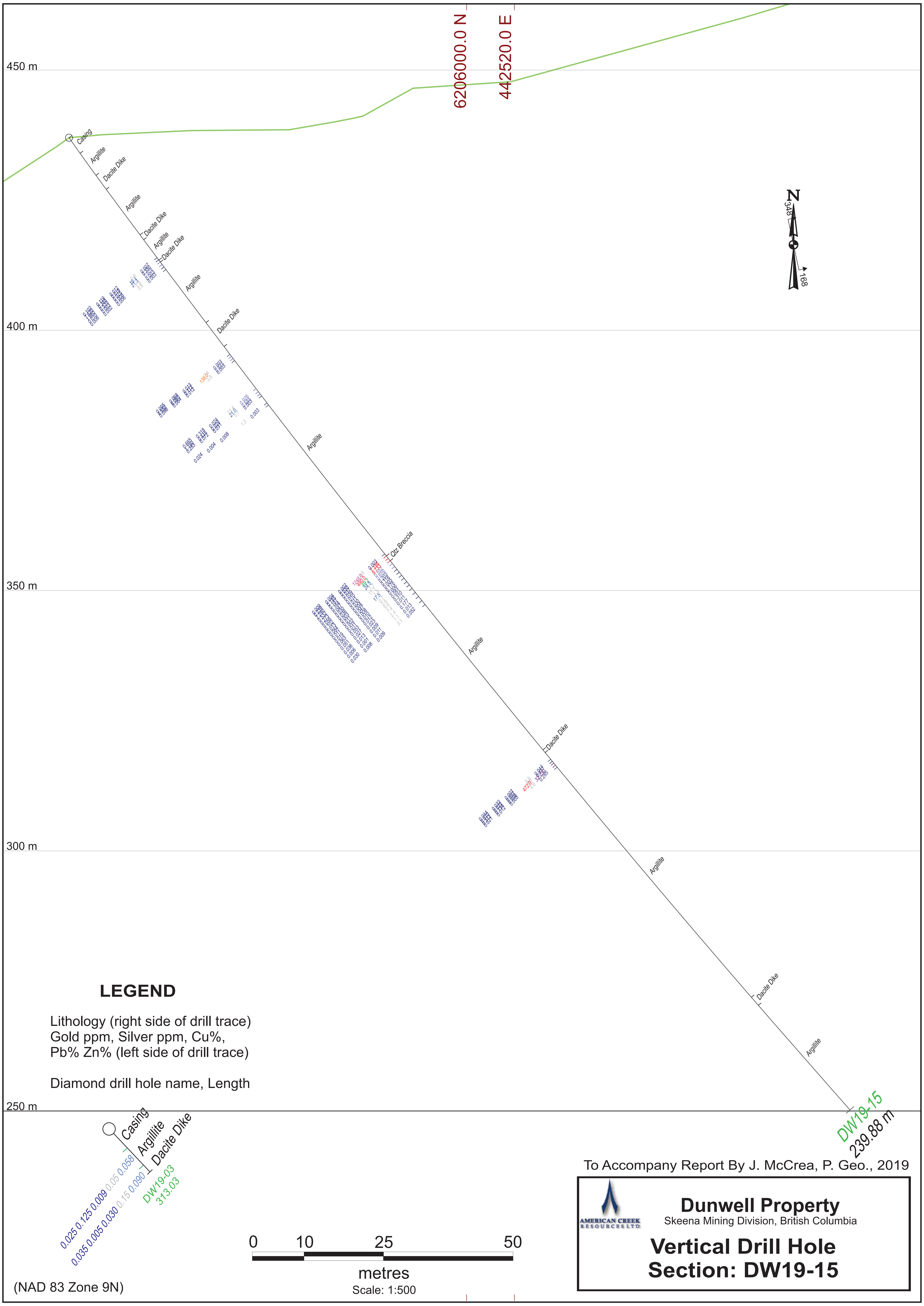


To Accompany Report By J. McCrea, P. Geo., 2019

AMERICAN CREEK RESOURCES LTD.

Dunwell Property
Skeena Mining Division, British Columbia

Vertical Drill Hole Section: DW19-14



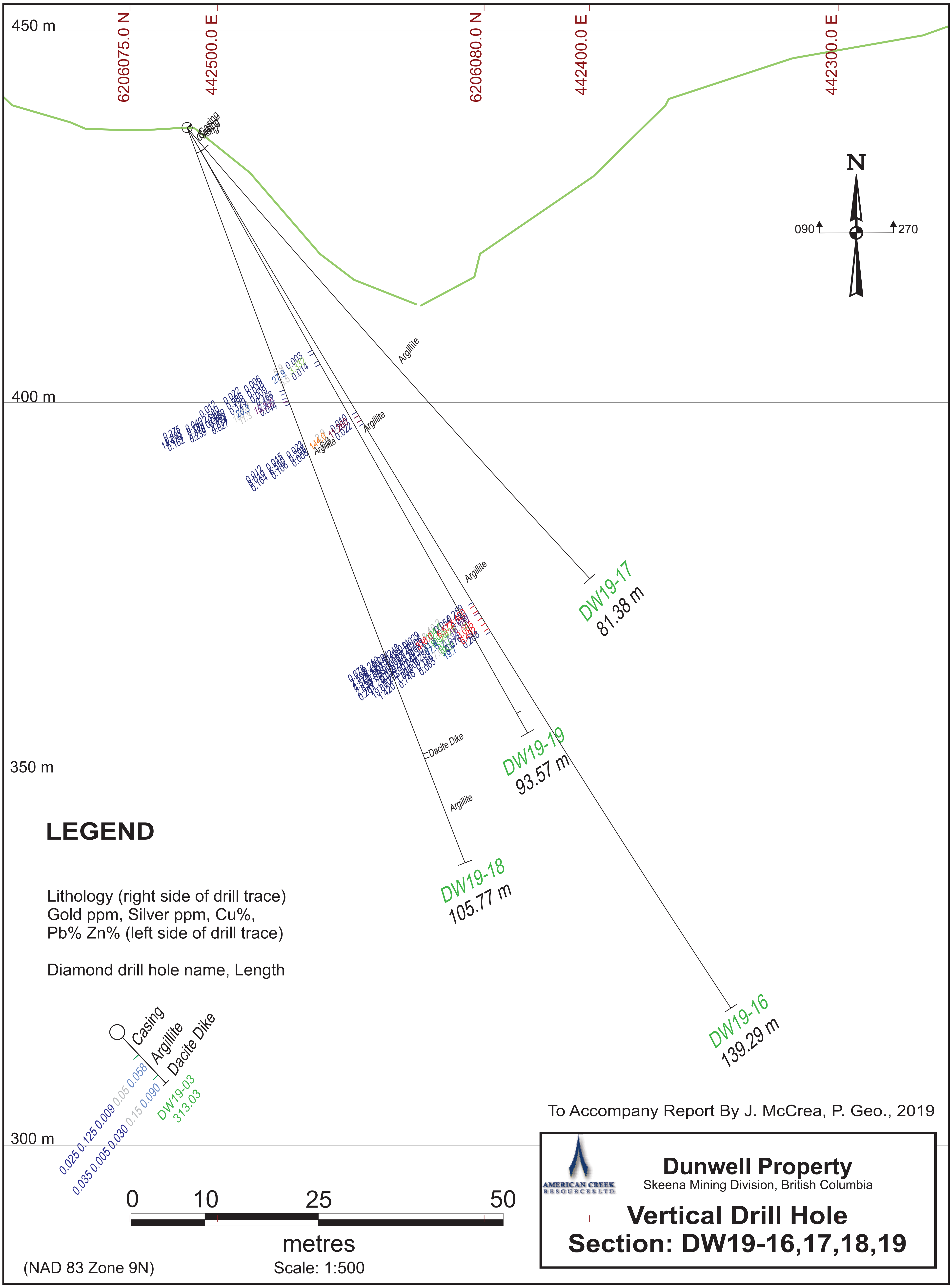
To Accompany Report By J. McCrea, P. Geo., 2019

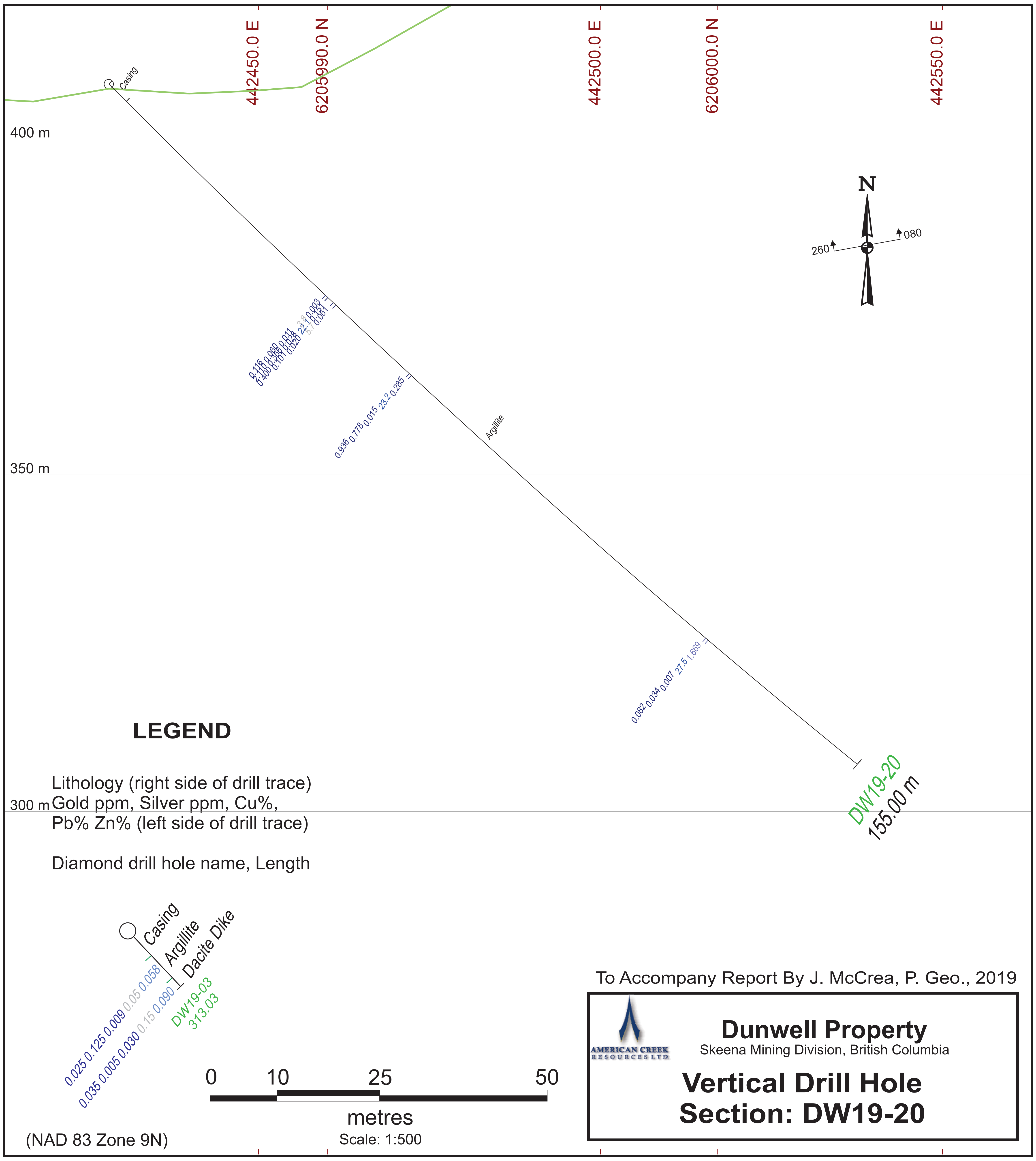
AMERICAN CREEK RESOURCES LTD.

Dunwell Property

Skeena Mining Division, British Columbia

Vertical Drill Hole Section: DW19-15


450 m
400 m
350 m
300 m
6206075.0 N
442500.0 E
6206080.0 N
442400.0 E
442300.0 E
N
090
270
Casing
Argillite
Dacite Dike
DW19-17
81.38 m
DW19-19
93.57 m
DW19-18
105.77 m
DW19-16
139.29 m
LEGEND
Lithology (right side of drill trace)
Gold ppm, Silver ppm, Cu%,
Pb% Zn% (left side of drill trace)
Diamond drill hole name, Length
Casing
Argillite
Dacite Dike
0.025 0.125 0.009 0.05 0.058
0.035 0.005 0.030 0.15 0.090
DW19-03
313.03
0
10
25
50
metres
(NAD 83 Zone 9N)
Scale: 1:500
To Accompany Report By J. McCrea, P. Geo., 2019
AMERICAN CREEK RESOURCES LTD.
Dunwell Property
Skeena Mining Division, British Columbia
Vertical Drill Hole
Section: DW19-16,17,18,19


442450.0 E
6205990.0 N
442500.0 E
6206000.0 N
442550.0 E
Casing
400 m
350 m
300 m
N
260
080
Argillite
DW19-20
155.00 m
LEGEND
Lithology (right side of drill trace)
Gold ppm, Silver ppm, Cu%,
Pb% Zn% (left side of drill trace)
Diamond drill hole name, Length
Casing
Argillite
Dacite Dike
DW19-03
313.03
0.025 0.125 0.009 0.05 0.058
0.035 0.005 0.030 0.15 0.090
0
10
25
50
metres
Scale: 1:500
(NAD 83 Zone 9N)
To Accompany Report By J. McCrea, P. Geo., 2019
AMERICAN CREEK RESOURCES LTD.
Dunwell Property
Skeena Mining Division, British Columbia
Vertical Drill Hole
Section: DW19-20

WILDLIFE MANAGEMENT PLAN, DUNWELL PROPERTY

Prepared for:

AMERICAN CREEK
RESOURCES LTD.

American Creek Resources Ltd.
Box 70 #92, 2nd Ave West
Cardston, Alberta T0K 0K0

Prepared by:

CASSIAR GEOSCIENCE
CONSULTING LTD.

Cassiar Geoscience Consulting Ltd.
10628 Hislop Road
Telkwa, BC V0J 2X1

December 17, 2019

TABLE OF CONTENTS

List of Tables

List of Figures

1.0 INTRODUCTION AND BACKGROUND

American Creek Resources Ltd. ("American Creek") is undertaking exploration activities at the Dunwell Property, located approximately eight kilometers (km) north of Stewart, British Columbia (BC) (**Figure 1**). American Creek received a multi-year area based (MYAB) Mineral & Coal Exploration Activities and Reclamation Permit (#MX-1-126) from the BC Ministry of Energy, Mines and Petroleum Resources (MEMPR) in May 2019. Under condition 10(j) of MX-1-126, permitted activities are restricted to August 22 – October 31 unless a Wildlife Management plan is developed. This Wildlife Management Plan (WMP) has been prepared to meet the permit conditions and outline ways to avoid / reduce potential effects on focal wildlife species during exploration activities.

This WMP considers the area permitted under MYAB permit MX-1-126 (May 2019), plus additional Crown Tenures that may be secured by American Creek in the future (**Figure 1**). For the purpose of this WMP the "Dunwell Property" will refer to the permitted area plus the Crown Grant tenures.

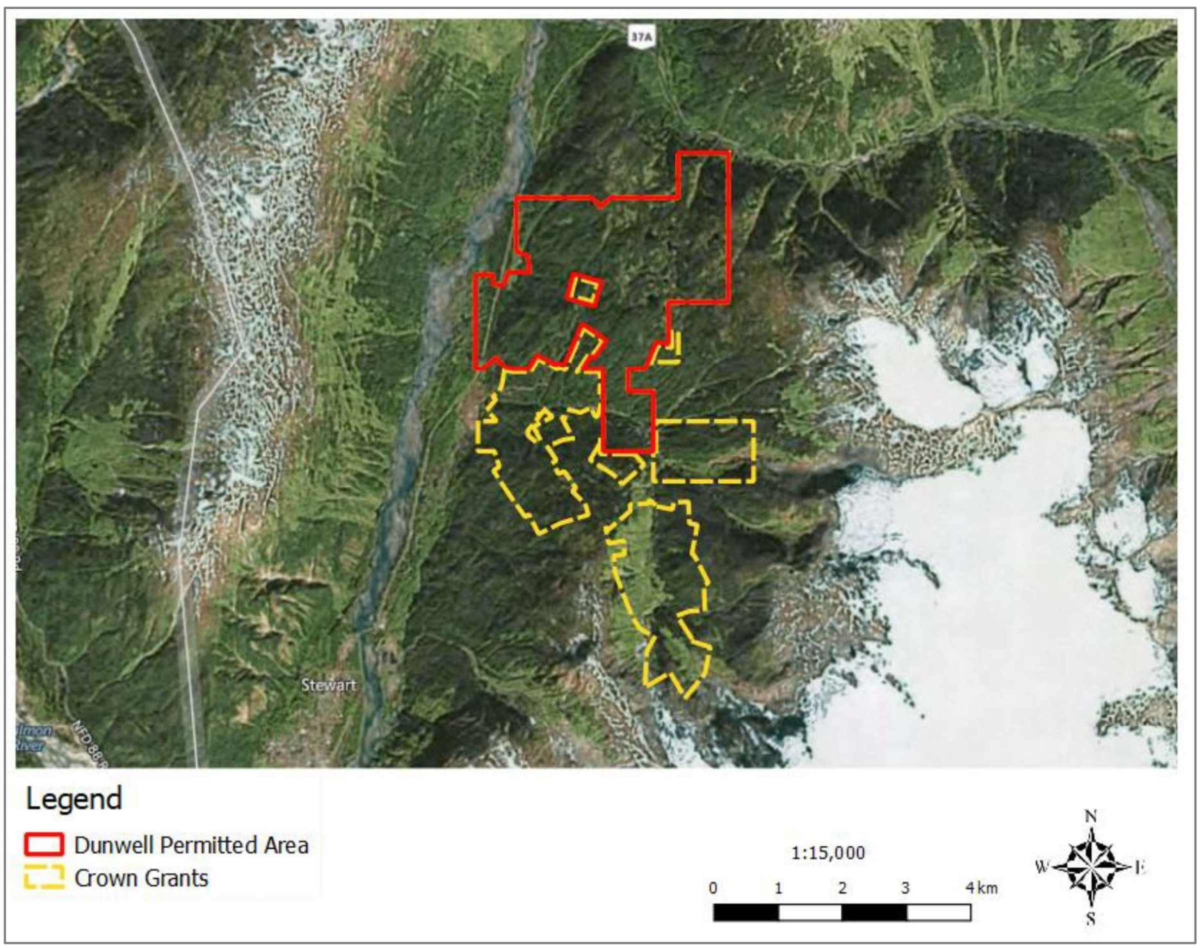


Figure 1 **Dunwell permitted area and additional Crown Grants**

The Dunwell Property is located with the Southern Boundary Ranges Ecosection of the Boundary Ranges Ecoregion (Government of BC 2018). This ecosection has wet rugged coastal mountains capped with glaciers and small icefields. Moist Pacific air brings heavy precipitation year round to windward slopes and adjacent mountains, resulting very wet forests in the lower slopes in the Coastal Western Hemlock (CWH) biogeoclimatic (BEC) zone, and cold and wet Mountain Hemlock (MH) forests that occur on the mid to upper elevation slopes (around 700 m above sea level[asl]) (Demarchi 2011). Elevations within the Dunwell Property range from 0 - 1,200 m asl, and overlap within the following BEC subzones (**Figure 2**):

- Coastal Western Hemlock wet maritime (CWHwm) – extends from the head of Portland Canal - K'alii Xk'alaan up the Bear River and American Creek to 600 m elevation. Dominant tree species are western hemlock (*Tsuga heterophyll*) and Sitka spruce (*Picea sitchensis*) (BC FLNRO 2012).
- Mountain Hemlock moist maritime (MHmm1) - the windward variant of the MHmm subzone is found along the western edge of the Coast Mountains from 800 m to 1200 m elevation. Tree species characteristic of this subzone include: mountain hemlock (*Tsuga mertensiana*), western hemlock, amabilis fir (*Abies amabilis*) and yellow cedar (*Xanthocyparis nootkatensis*) (BC FLNRO 2012).
- Mountain Hemlock moist maritime parkland (MHmmp) – occurs above the forested subzone, occupying the transition from treeline to true alpine tundra. The parkland subzone contains discontinuous forest cover interspersed with subalpine heath, lush herb meadows, and subalpine bogs and fens (Banner et al. 1993).

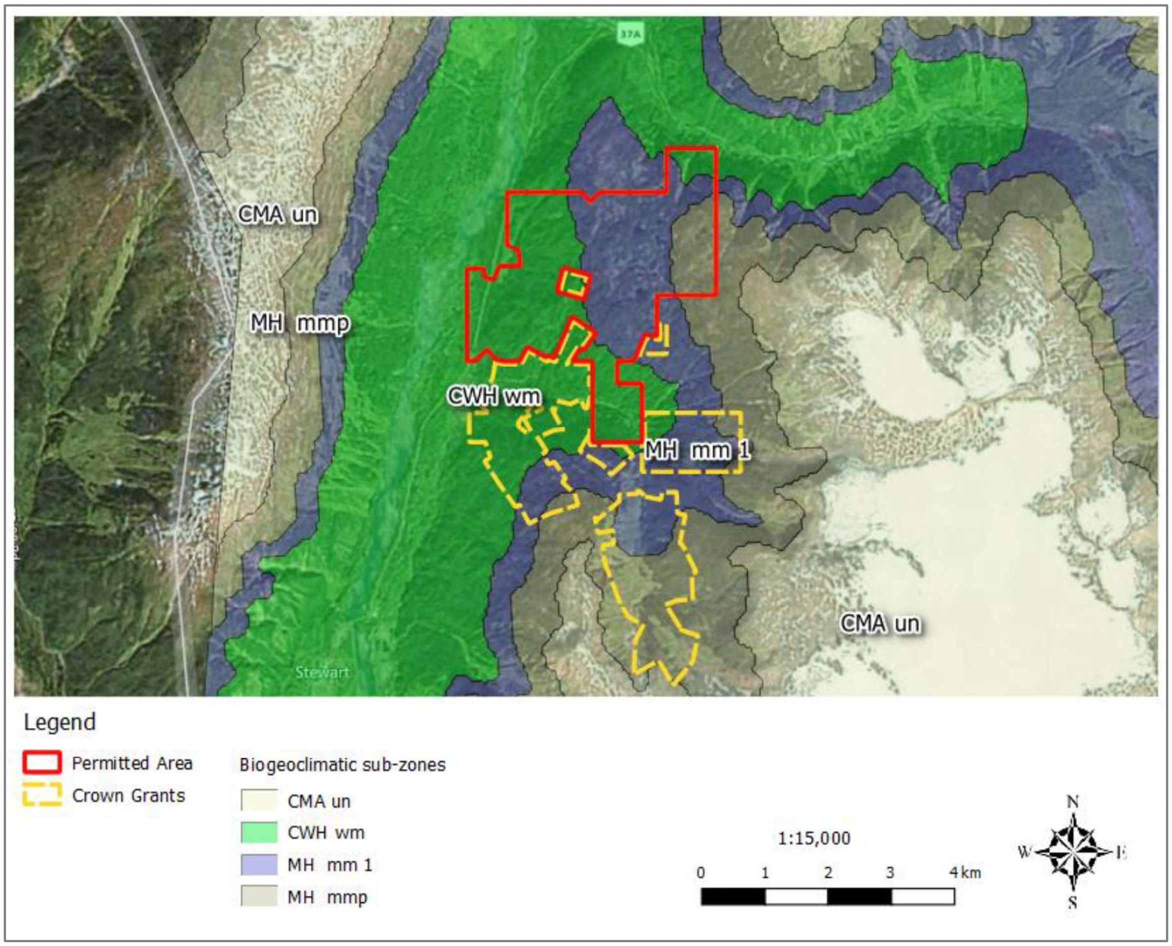


Figure 2 Dunwell Property biogeoclimatic zones

The Dunwell Property lies with the Nass South Sustainable Resource Management Plan (SRMP) area. The Nass South SRMP is a landscape level plan developed to address sustainable management of land, water and resources in the southern portion of the Nass Timber Supply Area (TSA) and recognizes the importance of conserving key ecological values and provides management direction for designated Old Growth Management Areas (OGMA) and key resources species such as grizzly bear (*Ursus arctos*), mountain goats *Oreamnos americanus*), northern goshawk (*Accipiter gentilis laingi)*, and other wildlife (BC FLNRO 2012).

The Dunwell Property is located within the Nass Area and the Nass Wildlife Area as set out in the Nigsga'a Final Agreement. The Nass Wildlife Area is a 16,101 km² area that allows for specific Nisga'a Nation allocations for designated wildlife species (i.e., mountain goat, grizzly bear, and moose). Hunting and trapping of non-designated species within the Nass Wildlife Area are managed under *Nisga'a Fish and Wildlife Act* and associated regulations (Nisga'a Lisims Government u.d.).

1.1 Wildlife Management Plan Objectives and Overview

The objective of this WMP is to minimize the potential effects on wildlife and wildlife habitat during the multi-year exploration program. The following wildlife species were selected as species of interest for the WMP:

- Grizzly bear
- Mountain goat
- Northern goshawk
- Marbled murrelet (*Brachyramphus marmoratus)*

The above species were selected because they are:

1. Species that are at-risk or are of conservation concern;
2. Of importance to local First Nations; and
3. Are known to be both present and potentially affected by activities.

A discussion of habitat features and life requisites for the above focal species provided in **Section 2.0**. A description of exploration activities is provided in **Section 4.0** and proposed mitigation measures to avoid or minimize potential effects to the focal species are provided in **Section 5.0**

2.0 WILDLIFE FOCAL SPECIES

The following sections discussion of habitat features and life requisites for the wildlife focal species relevant to the timing of proposed exploration activities.

2.1 Mountain Goat

Mountain goats are blue-listed (special concern (2015)) provincially due to threats throughout much of its range and continuing declines in the southern areas of the province (BC CDC 2019). The Skeena region is estimated to support nearly half of the provincial population and the estimated population trend in this region is believed to be stable (Mountain Goat Management Team 2010).

Mountain goats inhabit alpine and subalpine habitats, often residing in areas with snow cover for more than half the year. In coastal areas with deep snowpacks, mountain goats are frequently associated with southerly aspects on steep slopes, and forested stands of scattered short trees, or with stands of old, large coniferous trees with a high canopy cover (50-60%), for greater snow interception (Mountain Goat Management Team 2010).

Summer and winter habitats are usually located in the same area and mountain goats simply change their elevation, however migrations of up to 13 km have been reported (Poole and Heard 2003). Regardless of the season, mountain goats always select steep cliffs ($\geq$40° gradient) and rock faces and rarely venture far from this escape terrain except when making long distance movements, such as seasonal range movements or to access mineral licks (Blood 2000, Mountain Goat Management Team 2010).

Mountain goats are usually found at low elevations in the spring where they forage on early herbaceous vegetation, and they will follow new vegetation growth upwards as summer progresses (Blood 2000). Mountain goats have adapted to consume a variety of forage (Shackleton 1999). Mountain goats can be found grazing and browsing on alpine and sub-alpine grasses, sedges, rushes and forbs in summer, and on a variety of shrubs, conifers, mosses and lichens in winter (Blood 2000). Mountain Goats may seek out mineral licks at mid to high elevations, but avoid those at low elevations (Poole and Heard 2003).

Winter is a critical time for mountain goats. During the winter, inner coastal populations of mountain goats select timbered areas on steep, wind-swept sites with a warm aspect (south to west exposure) which accumulate less snow, and forage is exposed (Blood 2000). This winter habitat is limiting, especially in higher than normal snowfall years. Adjacency to escape terrain and connectivity across elevations is also important in the winter and mountain goats generally stay within 500 m of escape terrain (Pollard 2002, Poole and Heard 2003). In the summer the requirement for escape terrain is similar; but goats will seek thermal cover (e.g., rock walls, overhangs, and or higher elevations and persistent snow) to avoid warm temperatures (Blood 2000, Mountain Goat Management Team 2010).

In late May or early June, pregnant nanny goats will move to parturition sites where they give birth and spend their first few days in isolation with their kids. Parturition sites are often located in rugged, inaccessible terrain and generally occur near or within winter ranges (Blood 2000, Mountain Goat Management Team 2010).

Most threats mountain goats relate to habitat effectiveness, which is defined as the ability of an area to support mountain goats given the quality of the habitat and the extent of human disturbance (Mountain Goat Management Team 2010). Mountain goats are considered to be more sensitive to human disturbances (i.e., blasting, aircraft) than other ungulate species (MoFLNRO 2014). The potential effect of human disturbances will vary with the timing (season), frequency and duration of disturbance (MoFLNRO 2014). Nannies appear to be the most sensitive to disturbance during kidding and rearing seasons. Industrial development activities can also result in increased access into remote areas, which may increase mortality risks to local goat populations through increased licensed and unauthorized harvest (MoFLNRO 2014).

The Dunwell Property overlaps with suitable mountain goat habitat that has not been designated but may be seasonally occupied (Anaka 2018). The Property also lies within approved Ungulate Winter Range (UWR) for mountain goat (U-6-002) (**Figure 3**). UWR are designated under *the Forest and Range Practices Act* (FRPA) and require tenure holders to adhere to management guidance. The relevant General Wildlife Measures from UWR U-6-002 have been considered in the development of mitigation measures in Section 5.2.

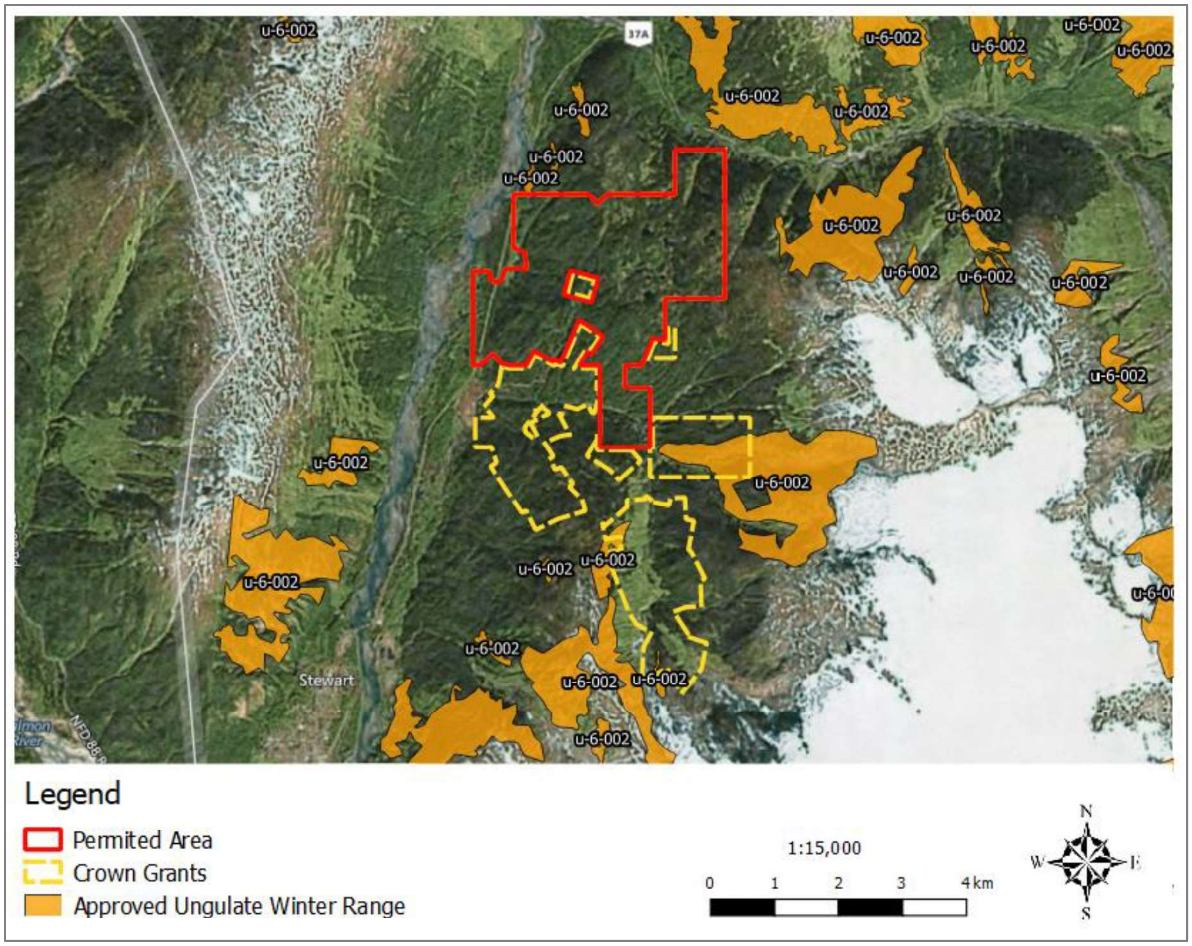


Figure 3 Dunwell Property and Approved Ungulate Winter Range for mountain goat

2.2 Grizzly Bear

Grizzly bear are a species of special concern (blue-listed) provincially and are listed as special concern under Schedule 1 of the federal *Species at Risk Act* (BC Conservation Data Centre 2019). The Dunwell Property overlap with the Stewart Grizzly Bear Population Unit[1] (GBPU) which is classified as viable (Environmental Reporting BC 2012).

Other than females with cubs and sibling groups, grizzly bears are solitary for most of the year except during the mating season (end of April to end of June) (Gyug et al. 2004). The total area used by grizzly (i.e., home range) are proportionate to the quality and amount of food available, and distribution. Coastal populations tend to have smaller home ranges than interior grizzly bears due to an abundance of high quality food and habitat found in coastal areas (average 137 km^2 for males, and 52 km^2 for females) (MacHutchon et al. 1993).

[1] Grizzly Bear Population Units (GBPU) delineate individual grizzly bear populations for the purposes of management and conservation, and the status and trend of populations vary widely across the GBPUs (MoFNLRO 2012).

Grizzly bear habitat requirements are varied and strongly seasonal. Food availability during the growing season directs habitat selection. In the SNSRMP area, important grizzly bear habitats include herb dominated avalanche tracks, subalpine parkland meadows, herbaceous riparian meadows, wetland complexes, rich water-receiving forest sites. Natural forest cover surrounding these habitats provide important thermal and security cover, and also protect bedding sites and high use trails (BC FLNRO 2012). The Dunwell Property does not overlap with important grizzly bear habitat mapped in the South Nass SRMP.

In the spring, coastal grizzly bears feed mostly in valley bottom wetlands, estuaries, and seepage sites where early growth of new sedges, grasses, skunk cabbage, horsetail, and cow parsnip are available. Later in the season they will shift to feeding on berries and then spawning salmon in the late summer to early fall (Blood 2002). In the SNSRMP area, productive grizzly bear foraging habitats are generally salmon fishing sites and early seral forests (associated with timber harvesting or natural burns) with substantial berry crops. Huckleberry patches, and to a lesser extent devil's club (*Oplopanax horridus*) berries are key forage species for grizzly bear (BC FLNRO 2012). After the main salmon run, grizzly bears will return to feeding on skunk cabbage before hibernation (Blood 2002).

During the winter grizzly bears hibernate; with coastal grizzly entering their dens in early November after snow begins to fall and emerging in mid-April when the snow melts. Cubs are born in the den in January or February. On the coast, grizzly bear dens are typically located between 350 and 850 m elevation. Grizzly bears typically dig their dens in steep, well-drained slopes with roots, shrubs or sod-forming grasses, that binds the soil to support the den roof. Occasionally, coastal grizzly will den in large hollow trees (Blood 2002).

Threats to grizzly bear include habitat loss, habitat displacement and direct mortality from road/rail collisions, human/bear conflicts, and hunting/poaching. Generally, the greatest risk posed by industrial development projects to grizzly bears is through impacts directly related to access. Grizzly bears are most sensitive during winter denning and birthing season (MoFLNRO 2014).

2.3 Northern Goshawk

Northern goshawk (*Accipiter gentilis laingi* subspecies) are red-listed (threatened) provincially, listed as threatened by the Committee on the Status of Endangered Wildlife in Canada (COSEWIC), and included on Schedule 1 of the federal *Species at Risk Act* (BC CDC 2019).

Northern goshawk, *laingi* subspecies occur along the Pacific Coast from Vancouver Island north to the Alexander Archipelago in southeast Alaska, coastal mainland Alaska and Lynn Canal (BC MWLAP 2004*a*). Nesting and foraging habitat occur in the CWH, Coastal Douglas Fir (CDF) and MH BEC zones, although MH is considered less suitable than CWH (Mahon et al. 2008). The Dunwell Property overlaps with both the CWH and MH BEC zones (see section 1.0, Figure 2). The closest mapped known locations of northern goshawk are over 100 km to the southeast near or on Weber Creek (11.5 km northwest of Kitwancool Lake) (BC CDC 2014).

In general, northern goshawk breeding habitat is selected based on forest stand structure rather than on stand age or tree species composition (NGRT 2008, McClaren et al. 2015). Suitable stand structure usually includes: closed canopies, relatively large diameter trees with suitable nesting platforms, subcanopy flyways, and an open understory that provides unobstructed flyways for hunting preferred species (Reynolds et al. 1992, NGRT 2008). These attributes are typically best developed in mature structural stage 6 [80-250 yr]) and old structural stages (structural stage 7 [>250 yr]) but suitable breeding habitat attributes may begin to occur in younger (45–60 years), more even-aged stands, with natural stand thinning (or silvicultural treatments) (McClaren et al. 2015). The *laingi* subspecies typically breeds in larger, intact patches of forest rather than small isolated stands (COSEWIC 2013).

Northern goshawk breeding ranges consist of three distinct use-areas: the nest area, post fledging area (PFA), and foraging area. The nest area is the forest stand that immediately surrounds the active nest and usually contains several nest trees used as alternate nesting sites, roost trees, or plucking trees (Reynolds et al. 1992). Most of the courtship behaviour occurs in this area (COSEWIC 2013). Nest trees are typically one of the larger trees in a nest area, as larger trees provide structural support and platforms to support large stick nests (COSEWIC 2013). Northern goshawks typically construct multiple nests within a nest area (potentially 2-9 alternative nests) and usually alternate amongst nests in successive years. Alternate nests can occur within the same tree or be in close proximity to each other (i.e., 15 -50 m), but are generally within 500 – 800 m of each other, but can be farther (CFCI 2012).

The PFA surrounds the nest area and includes a variety of forest types and conditions. The female mainly hunts in this area during the early nesting season, and fledglings learn to hunt in this area but are still largely dependent on adults for food and protection from predators (Reynolds et al. 1992, CFCI 2012).

The foraging area surrounds the PFA and is where the adult female hunts during the late breeding season and the adult male mainly hunts throughout the breeding season (COSEWIC 2013). Males will typically defend the foraging area from rival males year-round (Flatten et al. 2001). The adult female may remain within the foraging area until winter weather reduces the availability of prey species (COSEWIC 2013).

Foraging habitats are generally similar to those used for nesting, although foraging habitat is more variable and dependent on fluctuating prey populations (Mahon et al. 2008). Goshawks hunt from tree perches by scanning the ground and lower forest canopy, and striking their prey (COSEWIC 2013). Northern goshawk, *laingi* subspecies is generalist predator of medium-sized birds and mammals such as red squirrel (*Tamiasciurus hudsonicus*), varied thrush (*Ixoreus naevius*), Steller's jay (*Cyanocitta stelleri*) and northern flicker (*Colaptes auratus*) (COSEWIC 2013).

Both juvenile and adult northern goshawk are year-round residents on the coast of BC. During average years in BC, aerial courtship and territory re-establishment can begin in mid-February and extend into late March. Nest construction (or refurbishment of previous nests) usually begins in April and eggs are laid in late April or early May. Hatching occurs in late May or early June, and chicks will remain on the nest until they fledge in late June or early July. During the early fledgling period, young fledglings usually remain within 100-200 m of the nest tree, and by the late fledging period (4-5 weeks before dispersal) they will venture further away from the nest tree (200-500m). Juvenile dispersal from the nest area occurs in late August or early September.

Northern goshawks have low to moderate thresholds for new human disturbance (i.e., road construction, blasting, falling and yarding, or repeated low altitude helicopter over-flights), particularly during the more sensitive nest establishment, incubation and nestling phases of the breeding season (approx. March to July) (McClaren et al. 2015). Unaccustomed levels of noise or human activity near the nest tree can cause pairs to abandon their nests during this sensitive period (CFCI 2012).

Habitat loss and fragmentation of mature and old growth forests used for breeding, foraging, and roosting is the greatest threat to northern goshawk (McClaren et al. 2015, BC FLNRORD 2018).

2.4 Marbled Murrelet

Marbled murrelet are a species of special concern (blue-listed) provincially, listed as threatened by the COSEWIC, and included on Schedule 1 of the federal *Species at Risk Act* (BC CDC 2019).

A member of the Auk family, marbled murrelet are small seabirds that occur along the North American coastline from the Aleutian Islands, Alaska, along the southern coast of Alaska south to central California (BC MWLAP 2004*b*). The Dunwell Property is located near the northern extent of marbled murrelet distribution in BC, near Stewart, BC.

Marbled murrelet spend most of their time at sea within 500 m of the shore. During the prolonged breeding period (late April through early September), marbled murrelet can be found up to 80 km from the ocean nesting as solitary pairs at low densities, in low elevation coastal old-growth forests (>250 yr) (BC MWLAP 2004*b*, Zevit and Fenneman 2012, Environment Canada 2014). Nesting habitat is primarily in the CWH and CDF BEC zones but also in the MH zone (Burger 2002).

Nest trees are tall (typically >40m) and often larger than the stand average, and the nests are located high up in the tree (typically >30m) (BC MWLAP 2004*b*). Nesting usually takes place on platforms which are created by large (>15 cm diameter) tree limbs or deformities that are located close to the tree trunk. Nesting platforms must have a thick covering of moss or other epiphytes as the nest itself is a simple depression in the substrate (Burger 2002, BC MWLAP 2004*b*, COSEWIC 2012). These conditions are usually found in lower elevation forests (< 900 m), on steep or gentle slopes or on valley floors (COSEWIC 2012).

The Dunwell Property overlaps with critical habitat for the federally listed marbled murrelet (**Figure 4**). Under the federal *Species at Risk Act*, critical habitat is defined as “the habitat that is necessary for the survival or recovery of a listed wildlife species and that is identified as the species’ critical habitat in the recovery strategy or in an action plan for the species.” Marbled murrelet critical habitat has been identified as suitable nesting habitat as defined by the BC Model[2] (Environment Canada 2014).

[2] The BC Model is strategic level planning tool developed to estimate the amount (hectares) and distribution of potentially suitable marbled murrelet nesting habitat in 2002 across the six primary conservation regions (Environment Canada 2014).

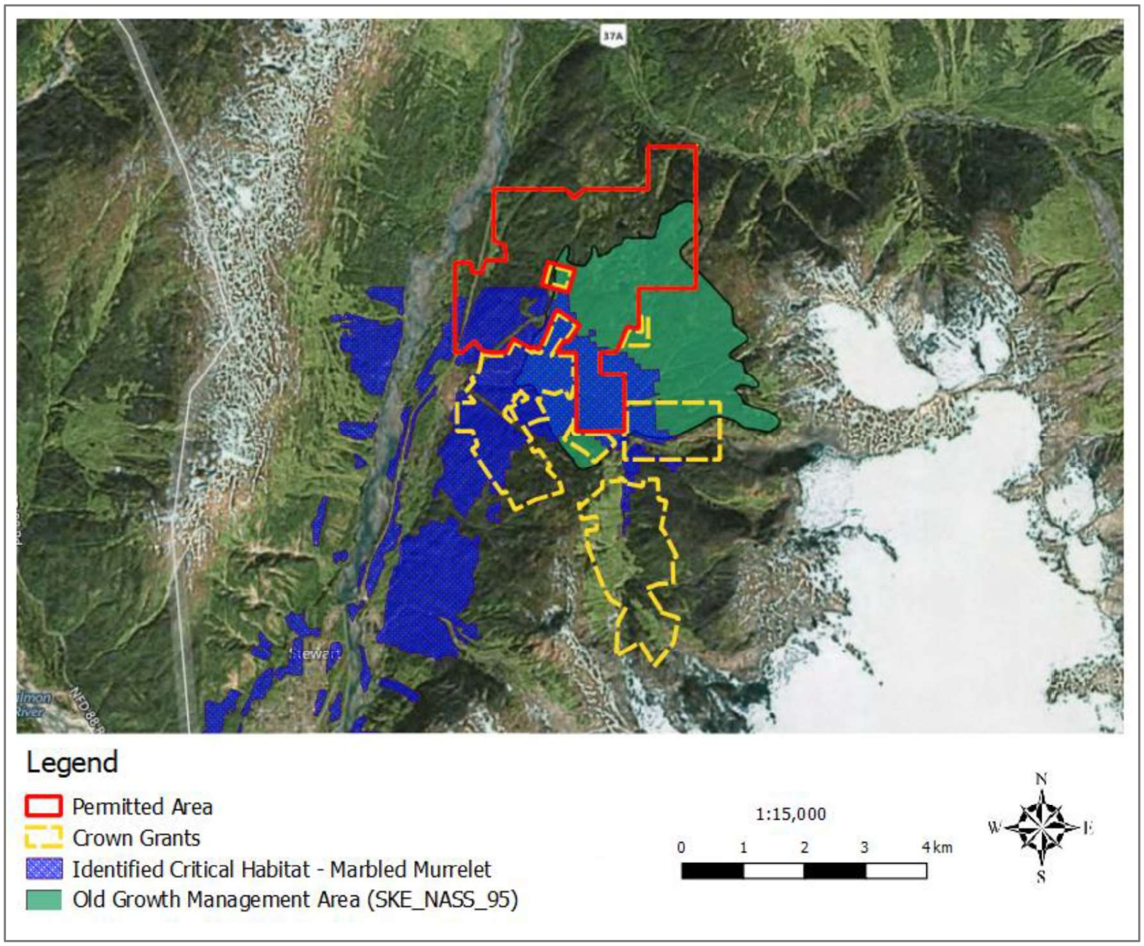


Figure 4 **Identified critical habitat for marbled murrelet**

There has been no field verification of the use of these polygons as part of the preparation of this WMP, and thus there is not yet confirmation that they are used by marbled murrelet. The critical habitat polygons were based on modelling and land classification so while an area may be identified as important habitat on a landscape scale based on available data, a specific site may not provide the biophysical attributes required for the species and additional study (i.e., habitat assessment, field survey) would be require to confirm the presence of such attributes.

Portions of the marbled murrelet critical habitat within the Dunwell Property overlap with a designated Old Growth Management Area (OGMA SKE_NASS_95) (Ministerial Order M061) (**Figure 4**). OGMAs are defined areas that contain, or are managed to attain, specific structural old-growth attributes and that are delineated and mapped as fixed areas (Forest Practices Board 2012). These large, old forest reserves can benefit old growth-associated species that inhabit coastal forest such as marbled murrelet (and northern goshawk).

The primary threats to marbled murrelet are forest harvesting in old-growth forests that reduces available nest sites, fragmentation which increases exposure to nest predators, which prefer forest edges, and changes to microclimatic conditions that could affect mossy pads used for nest sites (COSEWIC 2012, Environment Canada 2014).

3.0 LAND USE PLANNING

The Dunwell Property lies within the Nass SRMP area and is subject to guidance within the SRMP. To be consistent with the relevant goals of the SRMP, the following objectives for mountain goat, grizzly bear and northern goshawk were considered in the mitigation measures identified in Section 5.2.

Table 1. Relevant wildlife management goals and objectives, Nass South SRMP

Focal Species	SMRP Goal	Relevant SRMP Objective
Mountain goat	Manage mountain goat winter range to help ensure a healthy mountain goat population.	Minimize adverse disturbance to goats within mountain goat winter range.
	Avoid disturbance and displacement of mountain goats during vulnerable periods.	No relevant objective. Heli-logging objective only.
	Minimize pressure on the population from legal and illegal harvest through human access management.	Minimize the number of roads within 500 m of mountain goat winter range and 1000 m of canyon dwelling goat winter range.
Grizzly bear[3]	Provide adequate grizzly bear habitat to help ensure a healthy population.	Minimize human-bear conflicts.
Northern goshawk	Maintain a viable population of northern goshawk within the plan area.	Maintain nesting and post-fledging habitat at known goshawk nest areas, to support continued use and reproduction in those areas. Maintain foraging habitat around known goshawk nest and post fledging areas.

Source: Nass South SRMP (BC FLNRO 2012).

4.0 EXPLORATION ACTIVITIES

The Dunwell exploration program has been designed to maintain as small an environmental footprint as possible. Access to the Dunwell Property is from Highway 37A on a two km existing access road that leads to all four existing adits, and all access and equipment movement to and within the Property will be on the existing access road. Due to the grade and alignment of the existing access road, vehicles cannot travel more than 20 km/hr along its length. Helicopter access is not required.

American Creek is proposing eight potential drill sites (0.16 ha), six trench and test pit sites (0.10 ha), and 500 m of exploration trails (0.25 ha) within the Property boundary. The total footprint (disturbance) is estimated at less than 0.51 ha in small areas, within or adjacent to existing disturbed areas.

In 2020, American Creek is proposing five drill sites and a maximum of three test pit sites. At least one of the five drill sites will be located along the existing road and will not require the construction of a drill pad

[3] The SRMP provides additional objectives for grizzly bear however they are related specifically to Grizzly Bear Specified Areas (Map 14 from SRMP- provided in Appendix A) and the Dunwell Property does not overlap with these areas.

or new disturbance. The assay results from the initial holes drilled in 2019 will indicate the next locations for the drill sites, and trench and test pit sites. Exploration trails from the existing road, between the road and the gulch to the east (exact location to be determined), will be constructed in 2020.

The multi-year exploration program commenced in the summer of 2019, including a drill program to test and expand upon historical mineralization. During each year, the work season would commence June 1 to November 30. However, winter drilling may be conducted depending on drill hole results and snow conditions.

Due to the close proximity to Stewart there is no need for an on-site camp, office or fuel storage. No new bridges or culvert crossings are required.

Table 2. Summary of the proposed exploration activities, Dunwell Property

Proposed exploration activity	Description of activities
Mobilization	Site access is via 4-wheel drive vehicles. A CAT or excavator will be used to clear the existing roads to allow site access during winter months (if winter drilling to be conducted).
Camp construction, office and fuel storage	Not required on-site due to close proximity to Stewart.
Road construction	500 m of exploration trails (0.25 ha) to be constructed in 2020
Exploration drilling	Eight potential drill sites (0.16 ha). Six potential trenches and test pits (0.10 ha). The construction of a maximum of four drill pads (each less than 10 m x 10 m) in 2020. Locations to be determined. Vegetation/clearing as needed.
Water supply	Water needed for diamond drilling (i.e., cooling) will be pumped from Dunwell Creek.

The following machinery may potentially be used onsite:

- 1 – 2 drills (one drill on skids in 2020; possibly two drills in future years)
- Excavator
- CAT
- 2 – 3 four-wheel drive pickup trucks
- Water intake pump(s)

5.0 POTENTIAL INTERACTIONS AND PROPOSED MITIGATION MEASURES

5.1 Potential Interactions

The exploration activities listed above in **Section 4.0** have the potential to interact with or effect the focal species in the following ways:

Potential sensory disturbance associated with increased human presence, motorized vehicle, and heavy machinery activity resulting in habitat avoidance. Sensory disturbance may have a larger effect if it is prolonged and occurs during a sensitive period such as nesting (birds), parturition (ungulates) or denning (grizzly bears) but may have a lesser affect if the disturbance were to occur during a less sensitive season.

Habitat loss or alteration of the landscape from exploration activities including site preparation and vegetation/tree clearing, trail construction, and drilling/trenching/test pits. It is estimated that overall footprint disturbance will be 0.51 ha in small areas, within or adjacent to existing disturbed areas.

Mortality risk from the potential need for control of habituated or dangerous wildlife could result in an increased risk of mortality for grizzly bear during exploration activities.

5.2 Proposed Mitigation Measures

American Creek has designed the exploration program with consideration for avoiding and or minimizing potential effects on the focal species. A variety of mitigation measures, including those that are suggested in provincial guidance (MoFLNRO 2014), the South Nass SRMP (BC FLNRO 2012), management and recovery plans/strategies for specific wildlife species, and best management practices guides, have been considered to avoid or minimize potential effects on the focal species.

5.2.1 Temporal Avoidance

The exploration program is anticipated to be scheduled from June 1 – November 30 each year, with the potential for winter drilling (i.e., work beyond November 30). For each focal species, there are time frames during which wildlife individuals will be more sensitive to disturbance (e.g., nesting, denning, birthing) than during other periods. **Table 3** below summarizes risk timing windows for each of the focal species and each of the guidelines assume that the focal species are present.

Table 3 Risk timing windows for each of the focal species and temporal mitigation measures.

Risk Timing Window	Life requisite/Season	Temporal Avoidance Mitigation
Mountain goat		
Low risk: July 16 – October 31		Restrictions would not normally apply. Where ground conditions permit, plan development activities within these timeframes (MoFLNRO 2014).
Caution: November 1 – January 14 **Critical:** January 15 – July 15	Winter rut Late winter and birthing period	Maintain a 500 m minimum buffer zone for all activities (non-aerial) adjacent to important mountain goat habitat (winter range, kidding and early rearing, mineral lick use areas, escape terrain and connecting trails) during winter and the kidding and early rearing and mineral lick use periods where no industrial activity, including pipelines, road or trail development, takes place (MoFLNRO 2014). Restrict ground-motorized access within 500 m of mountain goat habitat for cautionary (Nov 1 – Jan 14) and critical risk (Jan 15 – Jul 15) timing windows (MoFLNRO 2014).
Grizzly bear[4]		
Caution: April through mid-June	Early spring foraging	Avoid working in wetlands, avalanche tracts or low-lying skunk cabbage forests where bears consume early vegetation upon emergence from winter dens (MoFLNRO 2014). Maintain sufficient distance from bears so as not to disrupt their activities (MoFLNRO 2014).
Caution: June through August	High elevation feeding	Use caution and, where possible, avoid activities in high-value forage areas (MoFLNRO 2014). Maintain sufficient distance from bears so as not to disrupt their activities (MoFLNRO 2014).
Caution: July through October	Berry feeding	Where possible, avoid activities in and adjacent to habitat with high concentrations of berries when fruits are mature (MoFLNRO 2014). Maintain sufficient distance from bears so as not to disrupt their activities (MoFLNRO 2014).
Caution: Mid-August through October.	Fall foraging: Salmonid feeding aggregations	Do not operate in or adjacent to stream or river systems while they host spawning salmonids (MoFLNRO 2014).

[4] There are no “low-risk” timing windows for grizzly bear (MoFLNRO 2014).

Risk Timing Window	Life requisite/Season	Temporal Avoidance Mitigation
Grizzly bear[4]		
Critical: October through the end of winter conditions (March to May). January - March	Winter Denning Birthing	Where possible, avoid vegetation clearing, excavations, and snow removal in high-quality habitat (e.g., moderate to steep mountain slopes in alpine, subalpine, or montane environments located on cool north or east-facing slopes) during the denning period (MoFLNRO 2014). If avoidance is not possible, avoid cutting large trees potentially housing denning bears (October to end of winter conditions) (MoFLNRO 2014). Maintain buffer zones with a 60-m radius around any identified active dens (MoFLNRO 2014). Avoid operating in well-drained, high-elevation slopes (October to end of winter conditions) (MoFLNRO 2014).
Northern goshawk		
Caution: February 15 – March 14 and July 2 – Sept 15 **Critical:** March 15 and July 1	Breeding	All tree felling and vegetation clearing, should occur from mid-September to mid-February to avoid disturbance through the breeding seasons (BC Ministry of Forests 2013, McClaren et al. 2015). If clearing must occur outside this timing window, a thorough nest search should be conducted by Qualified Environmental Professional (QEP) (BC Ministry of Forests 2013). If an active breeding area is identified a QEP should conduct an extensive search to locate the active and alternative nests and to assess the extent of suitable breeding habitat around those nests to define the actual shape and configuration of the breeding area (McClaren et al. 2015). If an active breeding area is identified, avoid disturbance from industrial activities by implementing no-work zones around active nests (minimum 500 m) between February 15 and September 15 (McClaren et al. 2015). If this is not practicable, avoid the most sensitive portion of the breeding season between March 15 and July 1, and (or) schedule activities nearest to the breeding area (or active nest) to occur outside this sensitive period (McClaren et al. 2015).
Marbled murrelet		
Low risk: September 15 – March 30		Clearing activities should be conducted outside the typical breeding period for marbled murrelet (MWLAP 2004).

Risk Timing Window	Life requisite/Season	Temporal Avoidance Mitigation
Marbled murrelet		
Critical: April 1st to September 14th	Nesting	If vegetation clearing is required during the nesting season in marbled murrelet habitat identified as critical habitat a marbled murrelet habitat assessment will be conducted by a QEP. The need for a nest survey will be dependent on the results of the habitat assessment. If nesting habitat is known or identified: • schedule development activities outside of the critical nesting period (Apr 1 – Sep 14) (MoFLNRO 2014). • Do not construct or widen roads in marbled murrelet nesting habitats (MoFLNRO 2014). • Do not conduct development in a manner that will establish permanent trails for recreation in proximity to marbled murrelet nesting habitats (MoFLNRO 2014). • Do not use pesticides in proximity to marbled murrelet nesting habitats (MoFLNRO 2014). • Do not disturb murrelets with young. Maintain a sufficient distance to avoid changes in behavior (MoFLNRO 2014).

5.2.2 Vegetation / Tree Clearing

- Where possible, vegetation/tree clearing will be timed to avoid the cautionary and critical periods for the focal species (refer to **Table 3** above). If vegetation/tree clearing cannot be scheduled outside of these periods, a Qualified Environmental Professional will conduct species-specific pre-clearing surveys within suitable habitat and mitigation measures will be developed.
- Previously disturbed areas will be used for drill sites where practicable.
- Riparian area buffers will be maintained.
- Erosion protection measures (riprap, earth breaks or cross ditches) will be implemented as required.
- Prior to any tree cutting occurring within the Old Growth Management Area SKE_NASS_95 an appropriate professional will develop a management plan for cutting to ensure no old growth cedar is cut.

5.2.3 Access Restrictions

- Only personnel directly related to the exploration program will be permitted beyond access control points.
- Use of all-terrain vehicles (ATV's), if needed, will be restricted to exploration program purposes only.

5.2.4 Waste Management

Waste products include, but are not limited to, fuels, drilling waste, and food waste.

- All waste products will be managed so that that contamination of water and vegetation does not occur due to development activities.
- Garbage and other attractants shall be removed from work sites daily and shall either be incinerated or stored in an airtight container until removed from the work area.
- Herbicide and pesticide use are not anticipated.

5.2.5 Fuel Storage, Handling, and Management

- Industry standard fuel containment handling techniques will be implemented.
- Appropriate materials management will be maintained to minimize the risk of accidental spills or leakage of concentrate, diesel fuel, other hydrocarbons, and other hazardous materials.
- All fuel will be stored at least 30 m from any waterbody.
- Refueling and equipment servicing will occur at least 30 m away from any waterbody, where possible.

5.2.6 Equipment/Vehicle Maintenance

- All equipment and trucks will be equipped with industry-standard emission control systems.
- All equipment and trucks will be equipped with industry-standard spill kits.
- All equipment and trucks will be regularly maintained in good working condition with no leaks.

5.2.7 Hunting restrictions

- Personal firearms will not be allowed on the site, except weapons required for protection in the event of wildlife encounters in which human safety is compromised.
- No hunting will be allowed on the property by company personnel or contractors.

5.2.8 Staff training

- Bear safety awareness training will be part of the orientation for all on-site personnel and contractors.
- A strict no feeding of wildlife policy will be implemented and will be included in the orientation for all on-site personnel and contractors.
- On-site personnel and contractors will be trained in appropriate and responsible behaviours expected near wildlife and their habitats.

5.2.9 Drilling, Trenching and Test Pit Mitigation

In addition to the relevant general measures outlined in the preceding sub-sections, the following mitigation measures are proposed to reduce the effects of drilling, trenching and test pit activities on the focal wildlife species:

- Drilling-related noise will be minimized by ensuring all mobile equipment is regularly inspected and maintained in good working order.
- In order to decrease the spread of invasive plants, all equipment must be washed prior to transport to the mine site.
- All structures (i.e. drill pads) are designed to be temporary and will be reclaimed if no future drilling is required at the site. Drill site timbers will either be removed from site or neatly stockpiled in one location in the permit area such that they will not be scattered by weather effects.
- At the end of each field season, no more than three drill sites are to be left unreclaimed.
- Each drill pad will be recontoured to a natural slope where needed and revegetated. Only native species, best suited for the region will be used for reclamation.
- Soils and any available woody debris from excavated trails/mining areas/drill sites will be preserved and stockpiled, and during reclamation soils will be replaced after recontouring to facilitate revegetation.
- At the end of each field season, no fuel or fuel containers will be left on site.
- All work in and around watercourses, will follow the guidelines of the *Standards and Best Practices for Instream Works* (MWLAP 2004).

6.0 MONITORING DURING EXPLORATION

All on-site personnel, including contractors, will report all wildlife sightings to the mine manager. A wildlife log will be kept onsite at the exploration site for recording/monitoring purposes. Information to report will include:

- Date and time
- Observers name
- Species and number of species observed
- Location (GPS coordinates if possible)
- Weather conditions
- Description of animal's behavior (i.e., feeding, nesting, etc.)
- Human activities at the time of observation (i.e., drilling, trenching, etc.)
- Note whether the animal was disturbed or not by human activities occurring at the time of observation.

7.0 CLOSING

American Creek has designed the Dunwell Property exploration program with consideration for avoiding and or minimizing potential effects on the focal wildlife species discussed in this WMP, and the mitigation measures proposed are considered to be practical and effective. After the completion of exploration activities in 2020, American Creek may have some knowledge of moderate to high value habitats within the Dunwell Property and will incorporate this knowledge into future exploration plans and update mitigation measures as needed.

Prepared by:

Ashleigh Ballevona, B.Sc., R.P.Bio.
Biologist
Cassiar Geoscience
604 831 6231
ashleigh@cassiargeo.com

8.0 REFERENCES

Anaka, T. 2018. Referral Letter from Ecosystem Biologist, FLNRORD Skeena Region re Dunwell Property Notice of Work Application. Referral Letter.

Banner, A., W. H. MacKenzie, S. Haeussler, S. Thomson, J. Pojar, and R. L. Trowbridge. 1993. A field guide to the site identification and interpretation for the Prince Rupert forest region. Land Management Handbook 26 Part 1, Research Branch Ministry of Forests, Victoria, BC.

BC CDC. 2014. Occurrence Report Summary, Shape ID: 106515, Northern Goshawk, *laingi* subspecies. BC Ministry of Environment. <http://maps.gov.bc.ca/ess/hm/cdc>. Accessed 11 Dec 2019.

BC CDC. 2019. BC Species and Ecosystems Explorer. B.C. Minist. of Environ. BC Species and Ecosystem Explorer.

BC Conservation Data Centre. 2019. BC Species and Ecosystems Explorer. BC Ministry of Environment. Victoria, B.C. <http://a100.gov.bc.ca/pub/eswp/>.

BC FLNRO. 2012. Nass South Sustainable Resource Management Plan. Prepared by the BC Ministry of Forest, Lands and Natural Resource Operations. Smithers. <https://www2.gov.bc.ca/assets/gov/farming-natural-resources-and-industry/natural-resource-use/land-water-use/crown-land/land-use-plans-and-objectives/skeena-region/nasssouth-srmp/nasssouth_srmp_plan.pdf>. Accessed 10 Sep 2019.

BC FLNRORD. 2018. Implementation Plan for the Recovery of Northern Goshawk, laingi Subspecies *(Accipiter gentilis laingi*) in British Columbia. Prepared by British Columbia Ministry of Forests, Lands, Natural Resource Operations and Rural Development (BC FLNRORD). Victoria, BC. <https://www2.gov.bc.ca/assets/gov/environment/plants-animals-and-ecosystems/species-ecosystems-at-risk/recovery-planning/implementation_plan_for_the_recovery_of_northern_goshawk.pdf>.

BC Ministry of Forests. 2013. Guidelines for Raptor Conservation during Urban and Rural Land Development in British Columbia (2013). A companion document to Develop with Care 2012. <https://www2.gov.bc.ca/assets/gov/environment/natural-resource-stewardship/best-management-practices/raptor_conservation_guidelines_2013.pdf>.

BC MWLAP. 2004*a*. Queen Charlotte Goshawk (*Accipter gentilis laingi*) in Accounts and Measures for Managing Identified Wildlife - Accounts V. 2004. B.C. Ministry of Water, Land and Air Protection (BC MWLAP). Victoria, BC. <http://www.env.gov.bc.ca/wld/documents/identified/iwABNKC12062.pdf>.

BC MWLAP. 2004*b*. Marbled Murrelet (*Brachyramphus marmoratus*) in Accounts and Measures for Managing Identified Wildlife - Accounts V. 2004. B.C. Ministry of Water, Land and Air Protection (BC MWLAP). Victoria, BC. <http://www.env.gov.bc.ca/wld/frpa/iwms/documents/Birds/b_marbledmurrelet.pdf>.

Blood, D. A. 2000. Mountain Goat in British Columbia. Ecology, Conservation and Management. BC Ministry of Environment, Lands and Parks. <http://www.env.gov.bc.ca/wld/documents/mtngoat.pdf>.

Blood, D. A. 2002. Grizzly Bears in British Columbia. Ecology, Conservation and Management. Ministry of Water, Land and Air Protection, Victoria, BC.

Burger, A. 2002. Conservation Assessment of Marbled Murrelets in British Columbia, A Review of Biology, Populations, Habitat Associations and Conservation. Technical Report Series Number 387, Pacific and Yukon Region 2002, Canadian Wildlife Services, Environmental Conservation Branch.

CFCI. 2012. Maintaining the Integrity of Northern Goshawk Nesting and Postfledging Areas in the Ecosystem Based Management Plan Area of Coastal British Columbia: Guidance for Forest Professionals. Prepared by the Coast Forest Conservation Initiative (CFCI). <https://www2.gov.bc.ca/assets/gov/farming-natural-resources-and-industry/forestry/bc-

timber-sales/ems-sfm-certification/business-area/strait-of-georgia/tsg_goshawk-protocol-loughborough.pdf>.

COSEWIC. 2012. COSEWIC assessment and status report on the Marbled Murrelet *Brachyramphus marmoratus* in Canada. Committee on the Status of Endangered Wildlife in Canada, Ottawa. <www.registrelep-sararegistry.gc.ca/default_e.cfm>.

COSEWIC. 2013. COSEWIC assessment and status report on the Northern Goshawk *Accipiter gentilis laingi* in Canada. Prepared by Committee on the Status of Endangered Wildlife in Canada (COSEWIC). Ottawa. <https://www.sararegistry.gc.ca/virtual_sara/files/cosewic/sr_autour_palombes_northern_goshawk_1213_e.pdf>.

Demarchi, D. A. 2011. An Introduction to the Ecoregions of British Columbia. Ecosystem Information Section, Ministry of Environment, Victoria, BC. <https://www2.gov.bc.ca/assets/gov/environment/plants-animals-and-ecosystems/ecosystems/broad-ecosystem/an_introduction_to_the_ecoregions_of_british_columbia.pdf>.

Environment Canada. 2014. Recovery Strategy for the Marbled Murrelet (*Brachyramphus marmoratus*) in Canada. Species at Risk Act Recovery Strategy Series., Environment Canada, Ottawa.

Environmental Reporting BC. 2012. Grizzly Bear Population Status in B.C. <http://www.env.gov.bc.ca/soe/indicators/plants-and-animals/print_ver/2012_Grizzly_Bear_Population_Status_BC.pdf>.

Flatten, C., K. Titus, and R. Lowell. 2001. Northern Goshawk monitoring, population ecology and diet on the Tongass National Forest. Alaska Dep. Fish and Game, Juneau, AK. Alaska Department of Fish and Game. Final research performance report, Endangered Species Conservation Fund Grant SE-4-2-6:33, Studies 2-6. Juneau, AK. 32 pp.

Forest Practices Board. 2012. Conserving Old Growth Forests in BC Implementation of old-growth retention objectives under FRPA Special Investigation. <https://www.bcfpb.ca/wp-content/uploads/2016/05/SIR36-OGMAs.pdf>.

Government of BC. 2018. iMapBC. iMapBC Web-based Mapping. <https://www2.gov.bc.ca/gov/content/data/geographic-data-services/web-based-mapping/imapbc>.

Gyug, L., T. Hamilton, and M. Austin. 2004. Grizzly bear (*Ursus arctos*) - Accounts and Measures for Managing Wildlife. Prepared for British Columbia Ministry of Water, Land and Air Protection. Biodiversity Branch, Identified Wildlife Management Strategy. <http://www.env.gov.bc.ca/wld/documents/identified/iwAMAJB01020.pdf>.

MacHutchon, A. G., S. Himmer, and C. A. Bryden. 1993. Khutzeymateen Valley Grizzly Bear Study. Wildlife Habitat Research Report No. 31, B.C. Min. Environ., Lands and Parks and B.C. Min. For, Victoria, BC. <https://www.for.gov.bc.ca/hfd/pubs/Docs/Mr/whr/whr31.pdf>.

Mahon, T., E. McClaren, and F. Doyle. 2008. Parameterization of the Northern Goshawk (*Accipiter gentilis laingi*) Habitat Model for Coastal British Columbia. Nesting and Foraging Habitat Suitability Models and Territory Analysis Model. Working Draft. <https://www.for.gov.bc.ca/hfd/library/FIA/2006/LBIPI_6443004b.pdf>.

McClaren, E., T. Mahon, F. Doyle, and W. L. Harrower. 2015. Science-Based Guidelines for Managing Northern Goshawk Breeding Areas in Coastal British Columbia. Journal of Ecosystems and Management 15:1–91.

MoFLNRO. 2014. A Compendium of Wildlife Guidelines for Industrial Development Projects in the North Area, British Columbia. Prepared by BC Ministry of Forest, Lands, and Natural Resource Operations.

<http://a100.gov.bc.ca/pub/eirs/finishDownloadDocument.do?subdocumentId=9921>. Accessed 18 Sep 2018.

MoFNLRO. 2012. British Columbia Grizzly Bear Population Estimate for 2012. Prepared by Ministry of Forests, Lands and Natural Resource Operations. <http://www.env.gov.bc.ca/fw/wildlife/docs/Grizzly_Bear_Pop_Est_Report_Final_2012.pdf>.

Mountain Goat Management Team. 2010. Management Plan for the Mountain Goat (*Oreamnos americanus*) in British Columbia. Prepared for the BC Ministry of Environment. Victoria, BC. <http://www.env.gov.bc.ca/wld/documents/recovery/management_plans/MtGoat_MP_Final_28May2010.pdf>.

MWLAP. 2004. Standards and Best Practices for Instream Works. Prepared by Ministry of Water, Land and Air Protection (MWLAP) Ecosystem Standards and Planning Biodiversity Branch. <https://www2.gov.bc.ca/assets/gov/environment/natural-resource-stewardship/best-management-practices/iswstdsbpsmarch2004.pdf>.

NGRT. 2008. Recovery strategy for the Northern Goshawk, *laingi* subspecies (*Accipiter gentilis laingi*) in British Columbia. Prepared by the Northern Goshawk Recovery Team (NGRT). BC Ministry of Environment. <http://www.env.gov.bc.ca/wld/documents/recovery/rcvrystrat/northern_goshawk_rcvry_strat_200508.pdf>.

Nisga'a Lisims Government. u.d. Nisga'a Lisims Government - Wildlife Management. <https://www.nisgaanation.ca/wildlife-management>. Accessed 13 Sep 2019.

Pollard, B. 2002. Mountain Goat Winter Range Mapping for the North Coast Forest District. Prepared for the North Coast Land and Resource Management Planning Team. Prepared by Brad T. Pollard, Acer Resource Consulting Ltd. Terrace, BC. <https://www.for.gov.bc.ca/tasb/slrp/lrmp/nanaimo/ncoast/docs/reports/technical/Goat_winter_range_mapping_report.pdf>.

Poole, K. G., and D. C. Heard. 2003. Seasonal Habitat Use and Movements of Mountain Goats, *Oreamnos americanus*, in East-central British Columbia. Canadian Field-Naturalist 117:565–576.

Reynolds, R. T., R. T. Graham, M. Hildegard Reiser, R. L. Bassett, P. L. Kennedy, D. A. Boyce, G. Goodwin, R. Smith, and E. L. Fisher. 1992. Management Recommendations for the Northern Goshawk in the Southwestern United States. General Technical Report. RM-217., U.S. Department of Agriculture, Forest Service, Rocky Mtn. Forest and Range Experiment Stn., Fort Collins, CO.

Shackleton, D. 1999. Hoofed mammals of British Columbia. The mammals of British Columbia. Volume 3. Royal BC Museum, UBC Press, Vancouver, BC.

Zevit, P., and J. Fenneman. 2012. BC's Coast Region: Species & Ecosystems of Conservation Concern Marbled Murrelet (*Brachyramphus marmoratus*). Prepared for the South Coast Conservation Program. <https://ibis.geog.ubc.ca/biodiversity/factsheets/pdf/Brachyramphus_marmoratus.pdf>.