

**GEOLOGICAL - GEOCHEMICAL  
REPORT**

**BATTLE 1- 20 CLAIMS**

**YC96301 – YC96320**

**NTS # 115 J / 09**

**LAT: 62° 42' N**

**LONG: 138° 19' W**

**WHITEHORSE MINING DISTRICT**

**AUTHOR OF REPORT: Jean-Pierre Londero  
WORK PERFORMED BY SELENE HOLDINGS L.P.  
WORK PERFORMED August 25-26, 2012**

**DATE OF REPORT: November 7th, 2012**

## Table of Contents

|   |    |
|---|----|
| Introduction .....  | 4  |
| 1. Project location and access .....                                  | 4  |
| 2. Property .....   | 5  |
| 3. Geology .....  | 5  |
| 4. Work performed/methods .....                                       | 6  |
| 4.1 Prospecting. ....   | 6  |
| 4.2 Stream Sediment Survey .....                                      | 6  |
| 4.2.1 Sampling Technique .....  | 7  |
| 4.2.2 Sample Lab Preparation and Analysis .....                       | 8  |
| 5. Results & Interpretation .....                                     | 8  |
| 6. References .....   | 9  |
| 7. Statement of qualifications .....                                  | 10 |
| 8. Appendix .....   | 11 |
| 8.1 Appendix 1: Claim Map .....                                       | 11 |
| 8.2 Appendix 2: Claim List .....                                      | 11 |
| 8.3 Appendix 3: Location Map: Stream Sediment Samples .....           | 11 |
| 8.4 Appendix 4: Stream sediment samples: coordinate and results. .... | 11 |
| 8.5 Appendix 5: Assay certificate for stream sediment samples. ....   | 11 |
| 8.6 Appendix 6: Statement of Expenditure .....                        | 11 |

**List of Table:**

Table 1: Location map..... 4

Table 2: Claim map..... 5

Table 3: Geological map of the Battle Group..... 6

Table 4: Location Map: Stream sediment samples..... 7

## Introduction

The 2012 field program consisted of one prospecting day and one day of stream sediment sampling. The aim of the sampling program was to locate and to duplicate the hard-rock source(s) of the two YGS 99<sup>th</sup> percentile Au stream sediment samples located in Battle Creek. Unfortunately water level in the streams was too high to sample and water flow was too strong to collect a representative sample. Nevertheless, the stream sediment sampling took place in one tributary streams, where water flow and level were deemed adequate for sampling.

### 1. Project location and access

The Battle claims are located 8km south of the Yukon River at the headwaters of Battle Creek in the Northern Dawson range. The claims are located on NTS # 115J/09 in the Whitehorse mining district at latitude 62°42'N and longitude 138°19'W or UTM 636616mE and 6955238mN (NAD83, zone 7).

Access to the Battle claims is by helicopter from the Selene Holdings L.P., White Gold camp. The distance from the White Gold Camp to the Battle property is roughly 70 km and takes approximately 45 minutes by helicopter.

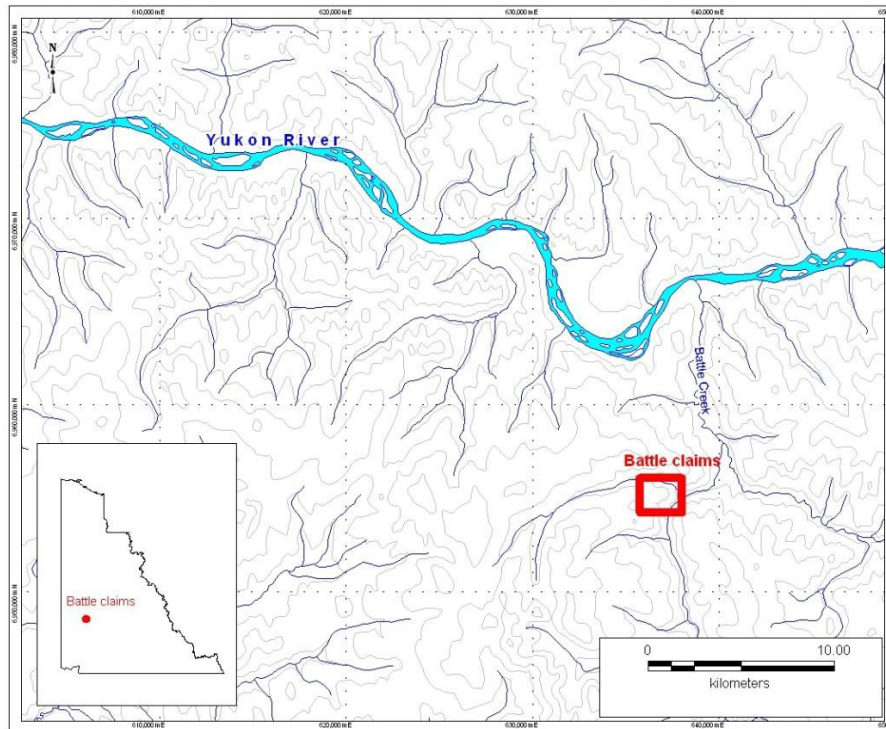


Figure 1 Battle location map.

## 2. Property

The Battle claim block consists of 20 mineral claims covering an area of ~4.2 km<sup>2</sup>. The claims form a roughly rectangular shape 2.275 by 1.827 kilometers wide.

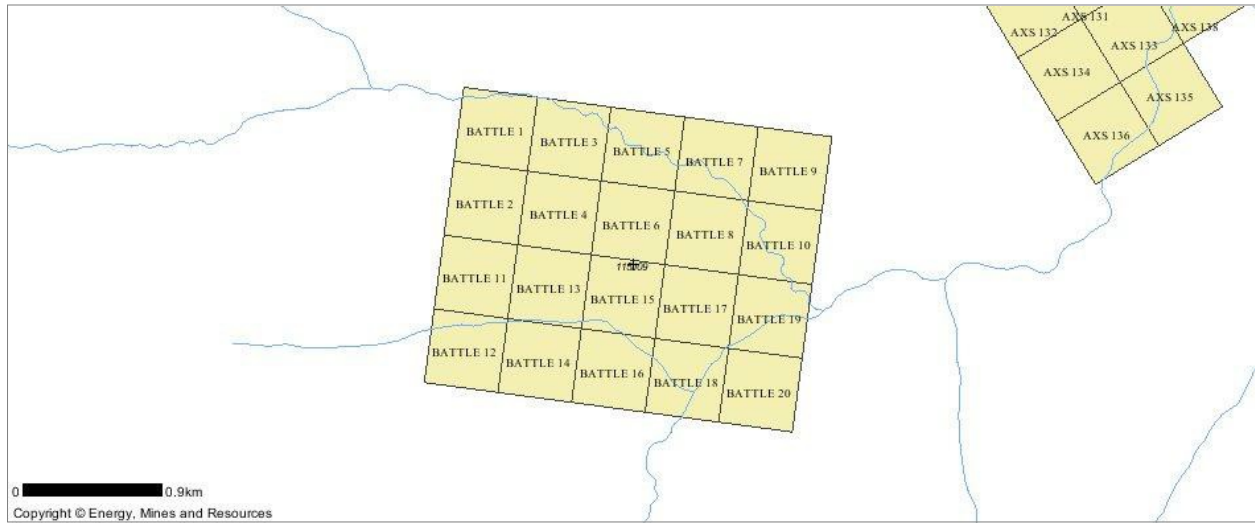


Figure 2 Battle claim names

## 3. Geology

The Battle claims are located in the mid-Cretaceous Dawson Range batholith. The batholith consists mostly of granitoids and granodiorites intruded by several smaller porphyritic dikes and overlaid by younger extrusive felsic rocks consisting of mostly clay altered flows and flow breccias. Mineralization in the Dawson batholith is associated with late Cretaceous felsic intrusive, e.g. Casino Deposit.

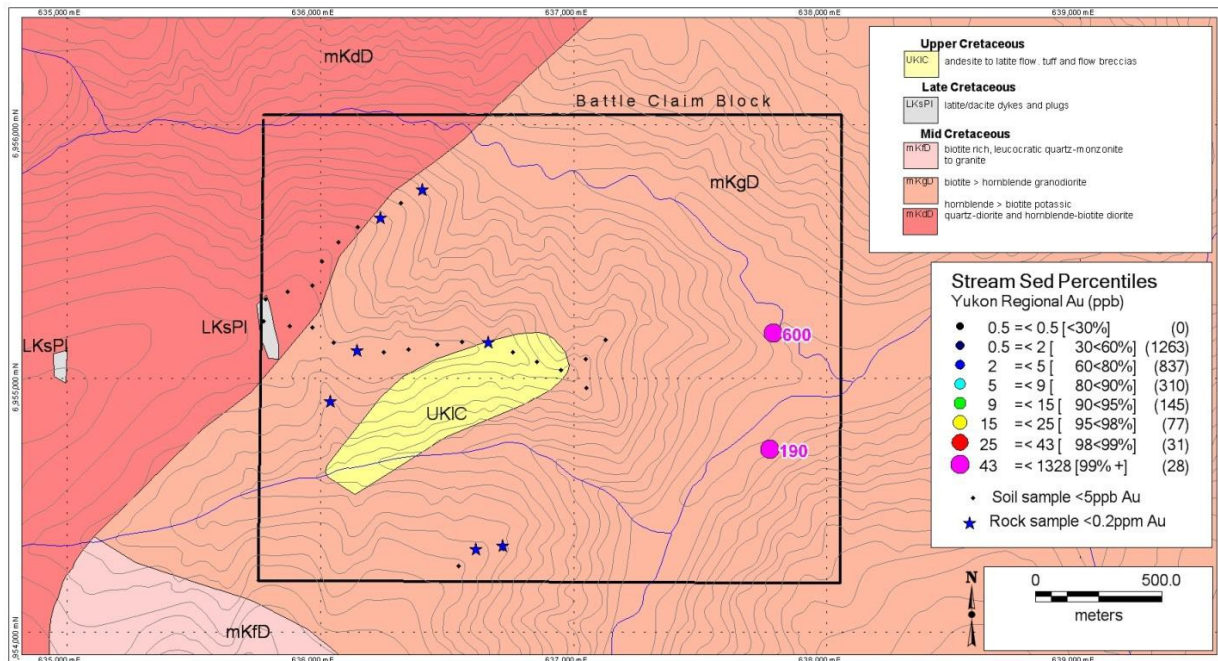


Figure 3 Geological map of the battle claims. Modified from Johnston (1995)

## 4. Work performed/methods

Two days were spent on the Battle claims. A three man team spend one day prospecting the vicinity of anomalous gold results from stream sediment samples where reported from the Yukon Government and the second day stream sampling in one of the confluent of the larger streams. A total of 11 large stream samples were collected and submitted for analysis to Acme Labs and no rock samples were collected for analysis during the prospecting.

### 4.1 Prospecting.

One day was spent along the shore line of the 2 streams where government reported gold in silt. The geology in the surrounding area is composed of granodiorite. The unit is characterized by the presence of large amphibole ranging in size from 3 to 5mm. Chloritization of the amphibole is the only alteration observed. No mineralization was encountered. Based on field observation, and previous results from rock sampling in 2009 by Underworld, no additional samples were collected.

### 4.2 Stream Sediment Survey

A reconnaissance stream sediment survey was undertaken during the 2012 field season. The sampling program was designed to incorporate all streams and creeks within the claim block. Using 1:50,000 National Topographic Service (NTS) maps, sample locations were placed every 250 m along the streams. Due to the low resolution of the streams on the maps, field adjustments were made when necessary; actual samples collected were spaced, on average 200 m apart (figure 4).

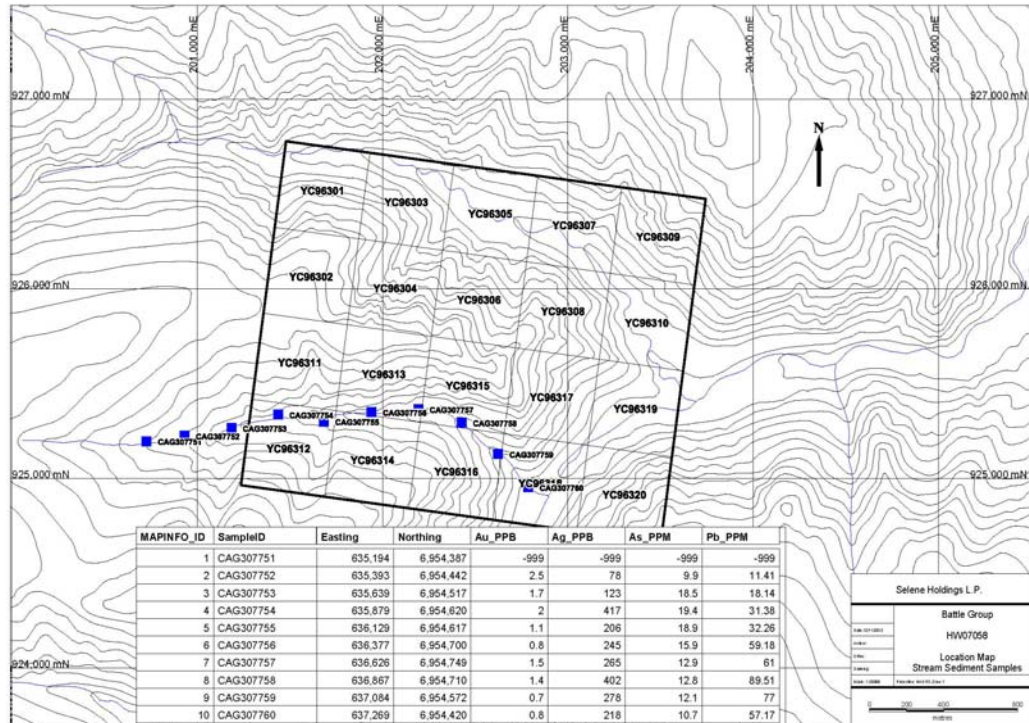


Figure 4: Location Map: Stream Sediment Samples

Selene Holdings L.P. personnel were trained in the proper technique for collecting a representative stream sediment sample.

The gold results are disappointing. The higher gold values encountered is 2 ppb Au.

### 4.2.1 Sampling Technique

Stream sediment samples were collected from stream locations with the lowest flow velocity, or where sediment concentrated (i.e. behind boulders or at ends of sand bars). Coarse surface boulders were removed from the chosen sample location, and the gravel and finer sediment were dug for sieving. A size 12 mesh sieve was used atop a 5 gallon bucket. The 12 mesh (1.7 mm screen size), was determined to be optimal to remove large cobble and organic matter while allowing a representative sample through. Sediment collected in the bucket was transferred to a labeled plastic sample bag. Ideally, stream sediment sample weights are 8 kg. GPS location and sample number were recorded at each location.

### **4.2.2 Sample Lab Preparation and Analysis**

All stream sediment samples were prepared at Acme Analytical Laboratories Dawson City, YT preparation lab and analyzed by Acme in Vancouver, BC. After drying in a 60°C oven, a 100 g fraction was collected using an 80 mesh sieve (screen size of 0.177 mm). A 15 g split of the original 100 g was used for the analysis.

All stream sediment samples were analyzed using Acme's 1F02 analytical package, which is an ultratrace package with low detection limits. Samples were digested via Aqua Regia, and element concentrations analyzed using an inductively coupled plasma mass spectrometer (ICPMS). Results and analysis certificates were delivered through e-mail or Acme's secure website.

No QA/QC field samples were placed in the sample stream. Kinross relied upon Acme's laboratory QA/QC program to identify any sample or analysis issues.

## **5. Results & Interpretation**

No significant results were found during the property reconnaissance program carried out in the 2012 season on the Battle claims. The initial target at the Battle claims was to find the source of the 99<sup>th</sup> Au percentile government stream sediment samples shown in Figure 3.

The field observations of the two streams where anomalous gold values are reported by the government are questionable. The two streams where government anomalies are reported are quite large and water flow was too strong to be able to collect a good, representative stream sediment sample. Prospecting along the shore line of the two streams did not outline any mineralized and or altered outcrop/ boulders other than fresh intrusive rocks. The intrusive rocks were previously sampled by Underworld in 2009 and reported deceiving results.

Based on the results and the field observation, the Battle Claims has become a low priority project. A second tentative should be made trying to duplicate government stream sediment sample results if time and budget permitted. Otherwise, no further work is recommended.



## 6. References

Johnston, S. T. (1995): *Geological compilation with interpretation from geophysical surveys of the northern Dawson Range, central Yukon (115 J/9 & 10; 115 I/12)*. 1:100,000 scale map. Open file 1995-2(G). Indian and northern affairs Canada, exploration and geological services division, Yukon Region.

H.J. Paulsen (2009): Assessment Report – Geological –Geochemical Report (NTS 115J/09). Underworld Resources. Battle 1 – 20 claims. Whitehorse Mining District.

## **7. Statement of qualifications**

I, Jean-Pierre Londero, hereby certify that:

1. I am a professional geologist. I worked on the abovementioned project for Selene Holdings L.P. in 2012.
2. I have worked in gold exploration of the last 29 years.
3. I am a graduate of the University du Quebec, Canada , with a degree in geology (M.Sc 1983).

Dated this 28 of September in Vancouver, BC

Respectfully submitted

Jean-Pierre Londero

## **8. Appendix**

**8.1 Appendix 1: Claim Map**

**8.2 Appendix 2: Claim List**

**8.3 Appendix 3: Location Map: Stream Sediment Samples**

**8.4 Appendix 4: Stream sediment samples: coordinate and results.**

**8.5 Appendix 5: Assay certificate for stream sediment samples.**

**8.6 Appendix 6: Statement of Expenditure**