



## ASSESSMENT REPORT TITLE PAGE AND SUMMARY

**TITLE OF REPORT:** Percussion Drilling Assessment Report on the Captain Property

**TOTAL COST:** \$184,221.77

**AUTHOR(S):** Gordon Richards

**SIGNATURE(S):**

A handwritten signature in blue ink, appearing to read "Gordon Richards".

**NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):** MX-13-154

**STATEMENT OF WORK EVENT NUMBER(S)/DATE(S):** 4775631/2010/JUL/27

**YEAR OF WORK:** 2009

**PROPERTY NAME:** Captain

**CLAIM NAME(S):** 516408, 516410, 550248, 550254, 550336, 550740, 551573, 552155, 553521, 561707, 561724.

**COMMODITIES SOUGHT:** Au, Cu

**MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:** 093J024, 026, 034, 036

**MINING DIVISION:** Cariboo

**NTS / BCGS:** 93J/13

**LATITUDE:** 54° 57' \_\_\_\_\_ "

**LONGITUDE:** 123° 50' \_\_\_\_\_ " (at centre of work)

**UTM Zone:** 10      **EASTING:** 440,000      **NORTHING:** 6,083,000

**OWNER(S):** Orestone Mining Corp

**MAILING ADDRESS:** 975-163 Street, Whiterock, B.C., V4A 9T8

**OPERATOR(S) [who paid for the work]:** Orestone Mining Corp

**MAILING ADDRESS:** as above

**REPORT KEYWORDS** (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**) diorite, felsite, quartz, pyrite, sericite

**REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:**

16597, 30194, 29900, 17547, 18850, 30912, 20434, 22022, 20102, 11258, 10643, 14449, 12393, 21436, 30754, 29229, 17873.



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TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ...)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres, number of holes, size, storage location)			
Core			
Non-core 27 percussion holes 20 to 30 m deep 2 inch holes.		516408, 516410, 550248, 550254, 550336, 550740, 551573, 552155, 561707, 561724, 553521,	\$137,341.77
RELATED TECHNICAL			
Sampling / Assaying		As above	\$5480.00
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale/area)			
PREPATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Legal Surveys (scale, area)			

Road, local access (km)/trail	As above	\$35,400
Trench (number/metres)		
Underground development (metres)		
Other report	As above	6000.00
	<b>TOTAL COST</b>	\$184,221.77

PERCUSSION DRILLING  
ASSESSMENT REPORT  
on the  
CAPTAIN PROPERTY  
Cariboo and Omineca Mining Divisions

CLAIMS WORKED ON

516408, 516410, 550248, 550254, 550336, 550740  
551573, 552155, 553521, 561707, 561724.

LOCATION

NTS 93J/13

Latitude: 54°57' N

Longitude: 123° 50'W

NAD 83 Zone 10

6,083,000N/440,000E

OWNER-OPERATOR

Orestone Mining Corp

975-163 Street

Whiterock, B.C., V4A 9T8

PREPARED BY

Gordon G Richards P.Eng.

Ruanco Enterprises Ltd

6410 Holly Park Drive

Delta, B.C., V4K 4W6

November 18, 2010

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## **1.0 INTRODUCTION**

Orestone Mining Corp. (“ORS” or “Orestone”) holds contiguous mineral tenures referred to as the Captain Property (CP). The Captain Property, within the Cariboo and Omineca Mining Divisions, covers about 41,000 hectares of prospective Quesnel Terrane. The property is centered about 65 kilometers northeast of Fort St. James in the Nechako Plateau area of north-central British Columbia. The property covers several areas of copper-gold +/- molybdenum mineralization located in outcrop, float and historic drill holes and a number of large, untested or partially-tested IP chargeability anomalies which may represent the pyritic fringe to an overburden-covered or buried, copper-gold +/- molybdenum mineralized center in an alkalic porphyry setting.

Work in 2009 consisted of a percussion drill program over the Captain Property to evaluate I.P. chargeability and resistivity highs defined in a number of I.P. surveys.

## **2.0 PROPERTY CLAIMS. Figure 2 and Table 1**

The Captain Property, consisting of about 41,000 hectares is situated in the Cariboo and Omineca Mining Divisions. It is centered near coordinates  $54^{\circ}57'N$  latitude and  $123^{\circ}50'W$  longitude in 1: 50,000 map sheet NTS 093J13. Expiry dates of all claims listed in Table 1 has been extended to August 15 and Dec 31 dates in a variety of years by applying work described in this report.

## **3.0 LOCATION AND ACCESS. Figure 1.**

Access to the QTSP is via 45 to 50 km along Highway 27 North from Fort St. James and then via the McLeod-Tsilcoh and Germansen-Cripple Forest Service Roads. The Forest Service Roads lead easterly and northeasterly over a distance of about 15 km to the property boundary. Driving time from Fort St. James is about 1¼ hours. Spur roads off the forest service

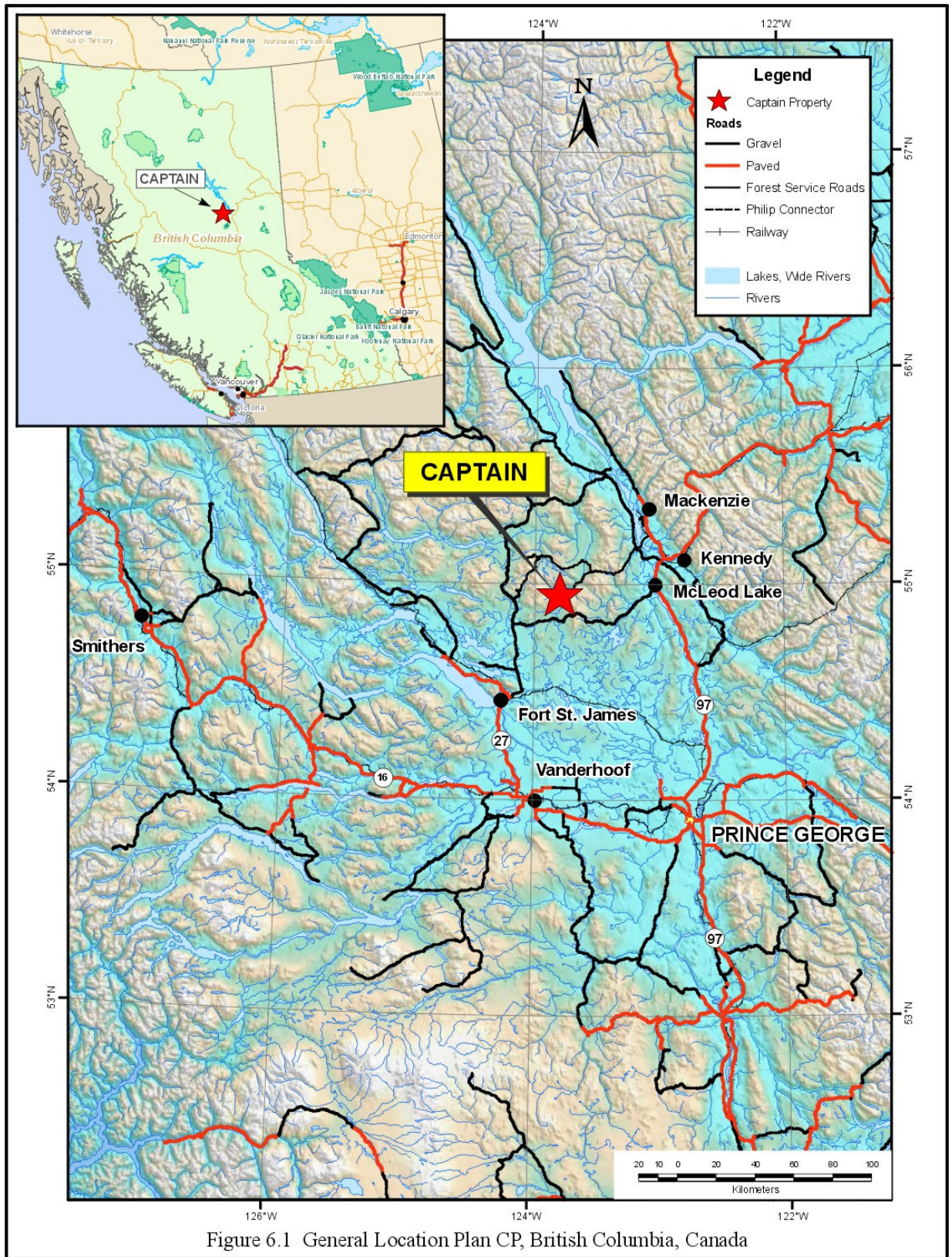
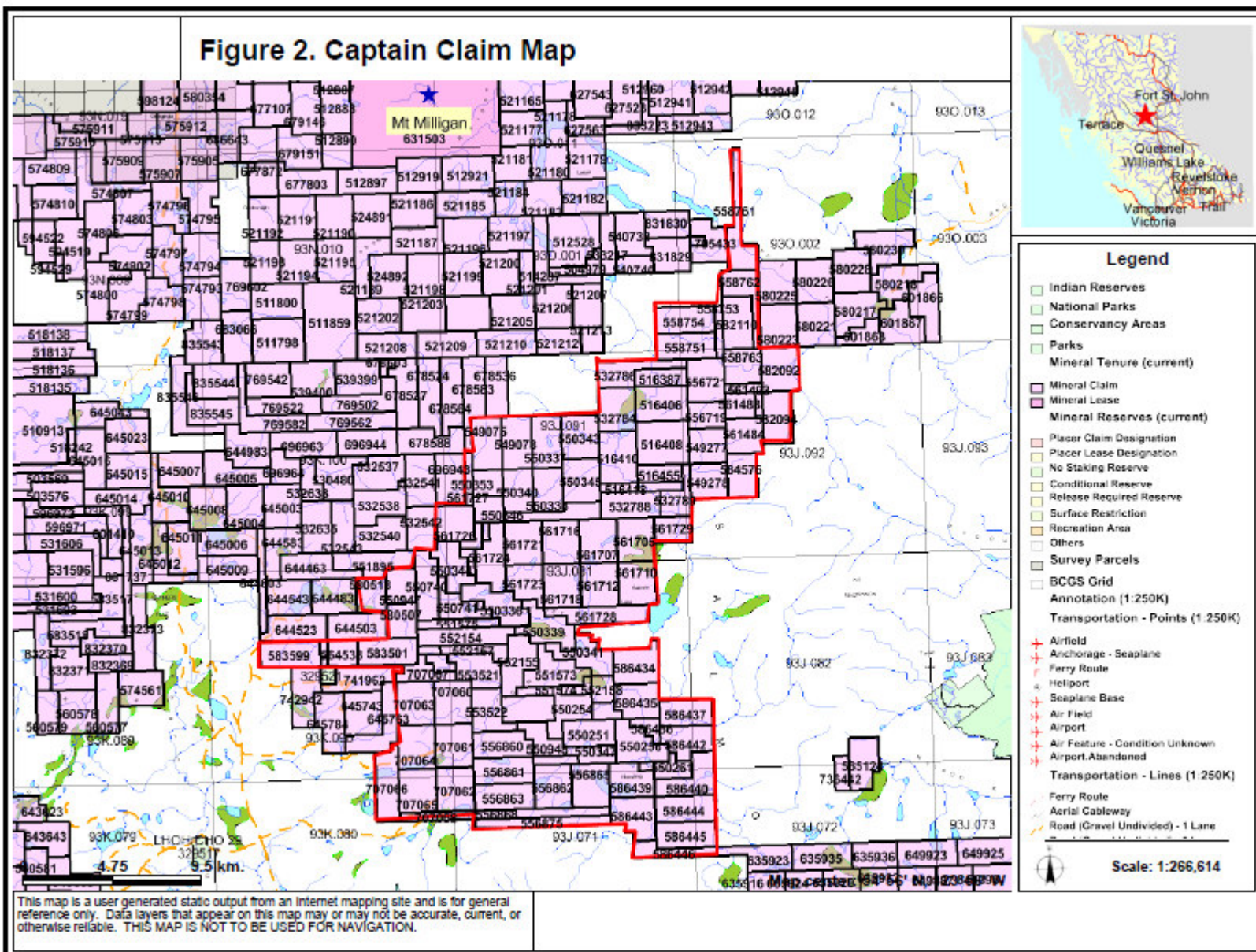


Figure 6.1 General Location Plan CP, British Columbia, Canada

Figure 1. General Location Plan Captain Property.



Figure 2. Captain Claim Map



This map is a user generated static output from an internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

**Table 1. Captain Property Titles**

<b>Tenure Number</b>	<b>Claim Name</b>	<b>Map Number</b>	<b>Issue Date</b>	<b>Good To Date</b>	<b>Area (ha)</b>
516387		093J	2005/jul/08	2010/dec/31	259.821
516406		093J	2005/jul/08	2015/aug/15	519.803
516408		093J	2005/jul/08	2015/aug/15	650.054
516410		093J	2005/jul/08	2015/aug/15	557.277
516418		093J	2005/jul/08	2012/aug/15	92.913
516420		093J	2005/jul/08	2015/aug/15	111.495
516455		093J	2005/jul/08	2015/aug/15	222.956
532784	CAPTAIN 19	093J	2006/apr/20	2012/aug/15	464.134
532786	CAPTAIN 20	093J	2006/apr/20	2010/dec/31	408.256
532788	CAPTAIN 21	093J	2006/apr/20	2010/dec/31	446.073
532789	CAPTAIN 22	093J	2006/apr/20	2010/dec/31	278.778
549073	ADMIRAL 1	093J	2007/jan/10	2011/aug/15	445.7252
549075	ADMIRAL 2	093J	2007/jan/10	2011/aug/15	445.7226
549277	CAPTAIN 23	093J	2007/jan/13	2012/aug/15	371.4794
549278	CAPTAIN 24	093J	2007/jan/13	2010/dec/31	371.6321
550248		093J	2007/jan/25	2012/aug/15	391.2316
550251	COMMODORE	093J	2007/jan/25	2010/dec/31	391.3517
550254	COMMODORE 1	093J	2007/jan/25	2012/aug/15	465.7453
550256	COMMODORE 2	093J	2007/jan/25	2010/dec/31	465.9656
550257	COMMODORE 3	093J	2007/jan/25	2010/dec/31	130.4182
550261	COMMODORE 4	093J	2007/jan/25	2010/dec/31	205.0841
550336	FATHOM	093J	2007/jan/26	2015/aug/15	465.1711
550337	ADMIRAL 3	093J	2007/jan/26	2010/dec/31	445.7245
550338	ADMIRAL 4	093J	2007/jan/26	2010/dec/31	371.6475
550339	FATHOM 1	093J	2007/jan/26	2012/aug/15	465.3058
550340	ADMIRAL 5	093J	2007/jan/26	2010/dec/31	371.6474
550341	FATHOM 2	093J	2007/jan/26	2010/dec/31	428.2275
550343	ADMIRAL 6	093J	2007/jan/26	2010/dec/31	464.2742
550344	FATHOM 3	093J	2007/jan/26	2012/aug/15	390.5644
550345	ADMIRAL 7	093J	2007/jan/26	2010/dec/31	464.5133
550346	ADMIRAL 8	093J	2007/jan/26	2010/dec/31	334.5768
550347	COMMODORE 5	093J	2007/jan/26	2010/dec/31	37.2792
550348	COMMODORE 6	093J	2007/jan/26	2010/dec/31	37.2867
550353	ADMIRAL 9	093J	2007/jan/26	2010/dec/31	222.9644
550354	FATHOM 4	093J	2007/jan/26	2015/aug/15	18.6071
550740	FATHOM 5	093K	2007/jan/30	2012/aug/15	427.8603
550741	FATHOM 6	093J	2007/jan/30	2015/aug/15	316.3181
550947	FATHOM 7	093K	2007/feb/01	2010/dec/31	297.6391
550948	COMMODORE 7	093J	2007/feb/01	2010/dec/31	465.9599
550949	COMMODORE 8	093J	2007/feb/01	2010/dec/31	111.8495
551573	COMMODORE 7	093J	2007/feb/10	2015/aug/15	465.5454
551574	COMMODORE 8	093J	2007/feb/10	2012/aug/15	93.1282
551575	FATHOM 8	093J	2007/feb/10	2015/aug/15	204.7192
552154	COMMODORE 9	093J	2007/feb/16	2012/aug/15	465.3413
552155	COMMODORE 10	093J	2007/feb/16	2015/aug/15	446.874

<b>Tenure Number</b>	<b>Claim Name</b>	<b>Map Number</b>	<b>Issue Date</b>	<b>Good To Date</b>	<b>Area (ha)</b>
552157	COMMODORE 11	093J	2007/feb/16	2012/aug/15	204.7855
552158	COMMODORE 12	093J	2007/feb/16	2010/dec/31	167.6352
552555	ADMIRAL 10	093J	2007/feb/23	2010/dec/31	223.0329
553521	COMMODORE 13	093J	2007/mar/04	2015/aug/15	409.6622
553522	COMMODORE 14	093J	2007/mar/04	2010/dec/31	409.8737
556719	CAPTAIN 26	093J	2007/apr/20	2012/aug/15	278.5092
556721	CAPTAIN 25	093J	2007/apr/20	2015/aug/15	463.9915
556860	PLUS 1	093J	2007/apr/20	2010/dec/31	428.6799
556861	PLUS 2	093J	2007/apr/20	2010/dec/31	447.4551
556862	PLUS 3	093J	2007/apr/20	2010/dec/31	466.1841
556863	PLUS 4	093J	2007/apr/20	2010/dec/31	447.5942
556865	PLUS 5	093J	2007/apr/20	2010/dec/31	466.1797
556868	PLUS 6	093J	2007/apr/20	2010/dec/31	335.7588
556875	PLUS 7	093J	2007/apr/20	2010/dec/31	335.7937
558751	SALMON 2	093J	2007/may/16	2010/dec/31	445.2493
558753	SALMON 3	093J	2007/may/16	2010/dec/31	111.2952
558754	SALMON 1	093O	2007/may/16	2010/dec/31	445.1125
558761	SALMON 4	093O	2007/may/16	2010/dec/31	463.1673
558762	SALMON 5	093O	2007/may/16	2010/dec/31	389.3642
558763	SALMON 6	093J	2007/may/16	2010/dec/31	371.1362
560302	HEADING 1	093J	2007/jun/07	2010/dec/31	92.963
561484	CAPTAIN 28	093J	2007/jun/28	2010/dec/31	371.4412
561488	CAPTAIN 27	093J	2007/jun/28	2010/dec/31	222.7847
561493	CAPTAIN 29	093J	2007/jun/28	2010/dec/31	92.8078
561495	CAPTAIN 30	093J	2007/jun/28	2010/dec/31	55.6961
561705	BRIDGE 1	093J	2007/jun/29	2010/dec/31	464.8454
561707	BRIDGE 2	093J	2007/jun/29	2011/aug/15	464.8433
561710	BRIDGE 3	093J	2007/jun/29	2010/dec/31	465.0822
561712	BRIDGE 4	093J	2007/jun/29	2010/dec/31	465.0804
561716	BRIDGE 5	093J	2007/jun/29	2010/dec/31	464.84
561718	BRIDGE 6	093J	2007/jun/29	2010/dec/31	465.0771
561721	BRIDGE 7	093J	2007/jun/29	2010/dec/31	464.8418
561723	BRIDGE 8	093J	2007/jun/29	2010/dec/31	372.0455
561724	BRIDGE 9	093J	2007/jun/29	2011/aug/15	464.9264
561725	BRIDGE 10	093J	2007/jun/29	2010/dec/31	74.3884
561726	HEADING 2	093J	2007/jun/29	2010/dec/31	371.777
561727	HEADING 3	093J	2007/jun/29	2010/dec/31	111.4761
561728	BRIDGE 11	093J	2007/jun/29	2010/dec/31	465.2444
561729	BRIDGE 12	093J	2007/jun/29	2010/dec/31	278.8784
564538	LYNX 1	093K	2007/aug/14	2010/dec/31	223.4034
564539	LYNX 2	093K	2007/aug/14	2010/dec/31	37.2321
564540	LYNX 3	093K	2007/aug/14	2010/dec/31	18.6189
580507	KEEL 1	093K	2008/apr/05	2010/dec/31	297.7608
580510	KEEL 2	093K	2008/apr/05	2010/dec/31	55.8497
580512	KEEL 2	093J	2008/apr/05	2010/dec/31	111.7164
580513	KEEL 4	093K	2008/apr/05	2010/dec/31	297.6714
582092	NORTHEASTER 1	093J	2008/apr/21	2010/dec/31	463.9431
582094	NORTHEASTER 2	093J	2008/apr/21	2010/dec/31	445.6371
582110	NORTHEASTER 3	093O	2008/apr/21	2010/dec/31	445.1352

<b>Tenure Number</b>	<b>Claim Name</b>	<b>Map Number</b>	<b>Issue Date</b>	<b>Good To Date</b>	<b>Area (ha)</b>
583501	LYNX 2	093K	2008/may/02	2010/dec/31	446.8019
583599		093K	2008/may/04	2010/dec/31	446.8111
584576	DECK 1	093J	2008/may/19	2010/dec/31	371.6128
586434	ANCHOR 1	093J	2008/jun/16	2010/dec/31	465.531
586435	ANCHOR 2	093J	2008/jun/16	2010/dec/31	428.4658
586436	ANCHOR 3	093J	2008/jun/16	2010/dec/31	130.4442
586437	ANCHOR 4	093J	2008/jun/16	2010/dec/31	391.2697
586439	ANCHOR 5	093J	2008/jun/16	2010/dec/31	410.222
586440	ANCHOR 6	093J	2008/jun/16	2010/dec/31	466.1598
586442	ANCHOR 7	093J	2008/jun/16	2010/dec/31	410.0332
586443	ANCHOR 8	093J	2008/jun/16	2010/dec/31	466.3531
586444	ANCHOR 9	093J	2008/jun/16	2010/dec/31	447.6687
586445	ANCHOR 10	093J	2008/jun/16	2010/dec/31	447.8057
586446	ANCHOR 11	093J	2008/jun/16	2010/dec/31	261.2672
707060	TALL SHIP 1	093J	2010/feb/24	2011/feb/24	465.7083
707061	TALL SHIP 2	093J	2010/feb/24	2011/feb/24	465.9623
707062	TALL SHIP 3	093J	2010/feb/24	2011/feb/24	466.2032
707063	TALL SHIP 4	093K	2010/feb/24	2011/feb/24	465.7122
707064	TALL SHIP 5	093K	2010/feb/24	2011/feb/24	465.9683
707065	TALL SHIP 6	093K	2010/feb/24	2011/feb/24	466.2089
707066	TALL SHIP 7	093K	2010/feb/24	2011/feb/24	466.182
707067	TALL SHIP 8	093J	2010/feb/24	2011/feb/24	242.0786
707068	TALL SHIP 9	093J	2010/feb/24	2011/feb/24	186.54

roads lead into several areas of the property, portions of which have been clear-cut logged. BC Ministry of Forests maps show that alternate road access to the property exists from the town of Mackenzie via the Williston Lake causeway and a system of forest service and company logging roads.

The writer reviewed road access to the property from both Fort St. James and Mackenzie. Although the driving time from both communities is about equal, the route from Fort St. James, which follows well-maintained highway and forest service roads, is the better of the two access routes into the property.

Fort St. James provides a local source of labor and basic supplies and services necessary for exploration programs. The city of Prince George, a further two hours drive via paved Highways 27 and 16, provides geochemical laboratory service, drilling contractors and a larger supply center.

## 4.0 TOPOGRAPHY, VEGETATION & CLIMATE

The property is located in gently sloping plateau areas with rounded summits typical of the Nechako Plateau of north-central British Columbia. Topography consists of rolling low hills with elevations ranging from about 900 m to 1,100 m. The property lies in the headwaters area of the Salmon River which drains out from Windy Lake in the northern part of the property.

The claims area is heavily forested with spruce, fir and pine. Tag alder occurs in some areas of up to several hectares. Small lakes, ponds and swampy areas are common in low-lying areas.

The climate in the region is characterized by short, cool summers and relatively cold winters. Climate statistics (AMEC, 2006) from the nearby Mt. Milligan project indicate total annual precipitation to be 730 mm and the minimum and maximum monthly mean temperatures to be -15.2° C and 14.8° C in December and July respectively.

Snow conditions persist from late October to the end of April, but with winter maintenance of the access road, exploration work can be conducted throughout the year.

## 5.0 HISTORY

The following historical description is divided into prior work on various parts of the Captain Property.

### ***5.1 Prior Ownership and Exploration Activity***

Exploration activity on the CP began in 1985 when prospector Richard Haslinger Sr. of Fort St. James discovered copper mineralization along the banks of the Salmon River in the northern part of the present CP. In 1987, prospector Gerry Klein located copper and molybdenum-bearing float in the northeastern part of the CP. These two discoveries, staked as the Windy and PM properties respectively, led to several major exploration programs being carried out in the CP area by Placer Dome Inc., Noranda Exploration and others during the period 1985-96. Past exploration expenditures on the CP total about C\$1,400,000.

Exploration work carried out by previous operators on the Windy and PM portion of the CP is summarized as follows:

#### Windy Property:

- 1985: Brinco Limited completed a soil geochemical survey over an area trenched by Richard Haslinger immediately north of the Salmon

- River. Brinco concluded that alteration, rock types and mineralization are compatible with a porphyry style of mineralization.
- 1986-90: Placer Dome Inc. optioned the Windy property in August 1986 and expanded their land holdings by staking additional legacy claims to the north and northeast. Work completed by Placer in 1986-90 included: soil geochemical, ground magnetometer, VLF-EM and IP surveys; the excavation of 11 trenches totaling 686 m; and the drilling of 15 NQ core holes totaling 2,180 m. In 1990, Placer optioned claims immediately to the west of Windy from Tex Gold Resources Ltd. and carried out a program of soil geochemical, ground magnetometer and VLF-EM surveys.
  - 1991: Big Bar Gold Corp. farmed into Placer's option on the Windy property and funded a drilling program consisting of 24 percussion holes (total meterage unknown).
  - 1996: Columbia Gold Mines Ltd. optioned the Windy property and drilled 8 NQ core holes totaling 547 m.
  - 2003: The Windy property lapsed in July and was re-staked as the Captain claims in November by Brian Bowen and Gordon Richards.
  - 2004-06: Bowen and Richards carried out modest assessment work programs consisting of MMI geochemical sampling and prospecting on the Captain claims.
  - 2007: Bowen and Richards staked a large block of MTO cell claims east, west and south of the original claims. The claims to the east cover the old Alpha and PM properties. Those to the west and south were staked to cover various geochemical and geophysical targets underlain by favourable Quesnel Terrane geology. The latter, along with the CP, comprised the 27,000 ha. QTSP. All claims were subsequently acquired by ORS through a Property Purchase Agreement between ORS (the Purchaser) and Ruanco Enterprises Ltd., Gordon Richards and Brian Bowen (collectively, the Vendors) dated April 30, 2007.

PM Property:

- 1988: Noranda Exploration optioned Mr. Klein's PM property in (what is now) the northeast part of the CP and completed a small soil geochemical survey in the area of mineralized float.
- 1989-91: Noranda flew an airborne EM-magnetic survey over the property and also completed soil geochemical, ground magnetic and IP surveys and geological mapping.

- 1996: Guinet Management optioned the PM property, completed soil geochemistry and prospecting surveys on it and then drilled 27 percussion holes totaling 1,149 m.

#### Alpha Property:

- 1987: The Alpha claims, located between and contiguous with the Windy and PM properties, were staked in March by Mr. E.S. Peters of Vancouver, B.C. In October, a program of prospecting and soil, silt and rock geochemical sampling was completed under the supervision of John Poloni, P. Eng.
- 1989-91: Noranda optioned the Alpha claims and completed soil geochemical, ground magnetic and IP surveys.
- 1994: The Alpha claims lapsed and were re-staked in part by Hudson Bay Exploration & Development Co. Ltd. and in part by Talisman Silver Corporation. The former conducted prospecting traverses and collected a few rock samples for analyses. The latter completed a program of geological mapping in areas of copper +/- gold soil anomalies identified by Noranda.

### **5.2 Other Past Exploration Activity**

Other Captain claims to the west and south of the original claims include the Admiral-Heading, Bridge and Commodore-Fathom-Plus Claims. During the period 1981-91, Noranda Exploration, Selco Inc., two junior mining companies and one individual carried out a variety of exploration programs in these property areas. A brief summary of the types of work, results and associated costs are presented below.

#### Admiral-Heading claims in west portion of the Property:

Work done on the Admiral-Heading claims by Placer Dome Inc. (1990) and Anthian Resource Corp. (1990) includes airborne and ground magnetometer surveys, a ground VLF survey, grid soil geochemistry, prospecting and geological mapping. Cost of the work totaled approximately C\$100,000. Soil geochemistry outlined a copper anomaly, measuring about 1 km long by 200-300 m wide, with some associated gold values, in the western part of the Admiral-Heading claims area. The anomaly is coincident with a magnetic high anomaly identified in both airborne and ground surveys. Prospecting and geological mapping identified some pyrite and traces of chalcopyrite in the anomalous area which has limited bedrock exposure.

#### Bridge claims in the central portion of the Property:

Companies or individuals who carried out work in the Bridge claims area include Selco Inc. (1981-82), Mr. E.S. Peters (1987), Noranda

Exploration (1989-91) and Taseko Mines Ltd. (1990). Work done includes ground magnetometer and EM surveys, silt sampling, prospecting, grid soil geochemistry, an induced polarization survey and the drilling of one diamond drill hole to test a ground EM conductor. Past expenditures total about C\$90,000.

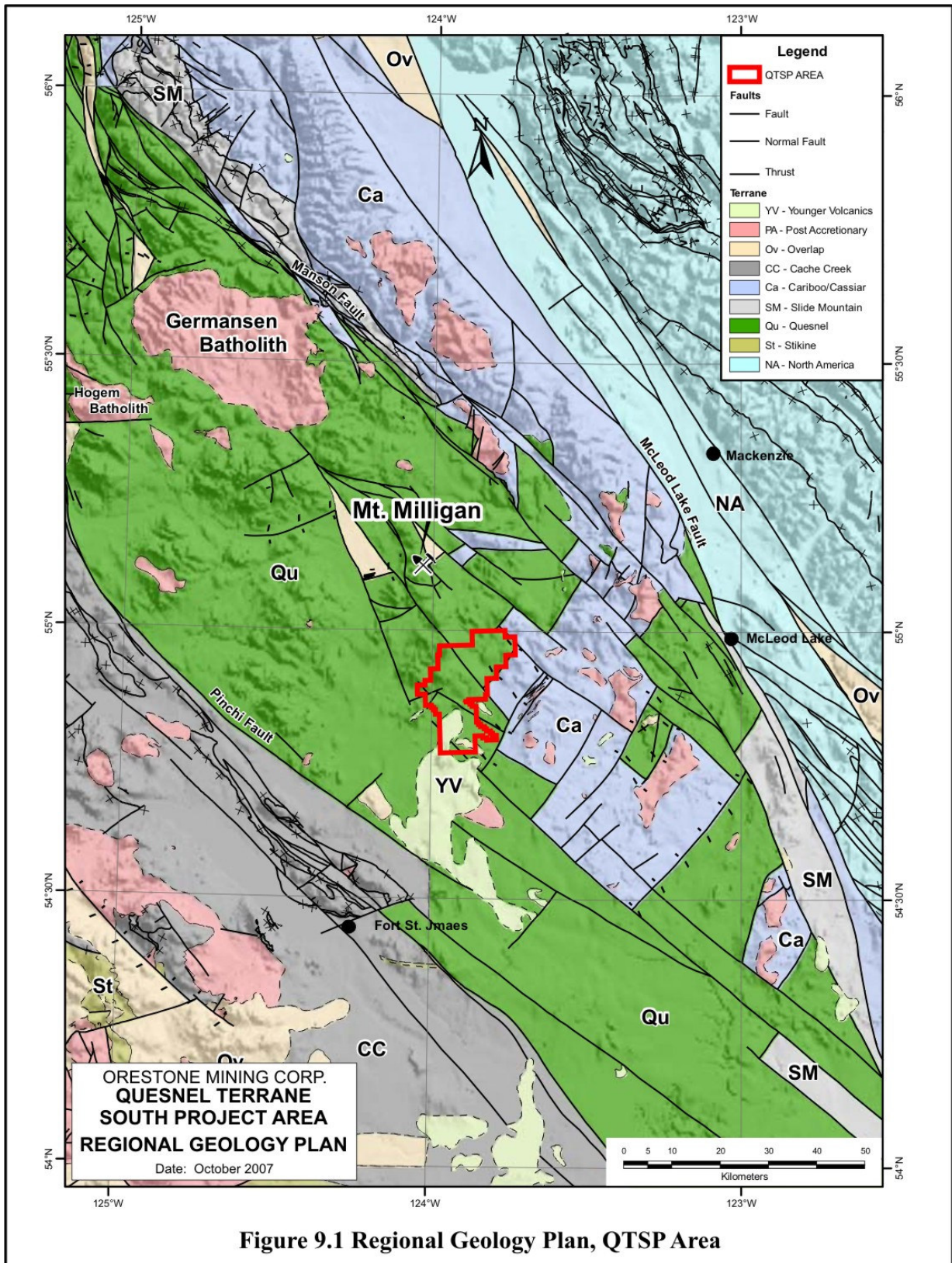
Ground magnetometer surveys outlined a magnetic high in an area of heavy drift cover south of the Salmon River. Readings from a small induced polarization survey over the magnetic high were considered unreliable. Some silt samples taken from streams draining this general area returned anomalous gold values to 550 ppb. Soil geochemical surveys did not identify any significant copper-gold anomalies, although it was noted in the reports that the effectiveness of conventional soil sampling in areas of heavy drift cover is limited. Prospecting did not locate any mineralized showings; this work was hampered by heavy drift cover which covers a good portion of the Bridge claims area. EM surveys identified a number of conductors, one of which was tested by a single drill hole, 89 m in length. In the drill hole, which cuts a sequence of intercalated black shale and limy wacke, “geochemical values do not rise significantly above background” (AR 11258).

#### Commodore-Fathom-Plus claims in the southern portion of the Property

Noranda Exploration carried out several work programs on the previously located Tsil property in the western part of the Commodore-Fathom-Plus claims area during the period 1986 and 1988-91. The work, which cost about C\$120,000, included an airborne magnetic/resistivity survey, ground magnetometer and induced polarization surveys, grid soil geochemistry, silt sampling, prospecting, geological mapping and the drilling of five reported diamond drill holes in two separate grid areas to test IP chargeability anomalies with anomalous Cu-Au soil support.

The airborne survey identified a number of magnetic highs which have been confirmed by ground magnetic surveys and may be associated with possible buried, mineralized alkalic stocks. In one magnetic high area, soil geochemistry outlined a copper anomaly measuring about 700 x 500 m with values in the 100-200 ppm range, coincident with an IP chargeability anomaly. Anomalous gold-in-soil values occur in several grid locations, but in general sampling produced scattered and erratic gold results. This may reflect the variable depth and character of overburden in the area. Prospecting and geological mapping identified relatively weak propylitic alteration with pyrite, traces of chalcopyrite and weak copper-gold rock geochemical values near the northeast flank of an IP chargeability anomaly in another part of the property.





**Figure 3. Regional Geological Plan, Captain Property Area.**

Five diamond drill holes tested two areas of anomalous IP chargeability response on the Tsil property; no results are available in assessment reports. Gord Maxwell, the geologist who supervised Noranda's past work at Tsil, informed Mr. Bowen (personal communication, 2007) that "although the drill holes encountered variably pyritized rock, no significant copper or gold values were obtained".

## **6.0 GEOLOGICAL SETTING. Figure 3.**

The property lies within Quesnel Terrane, part of the Intermontane Belt. The latter is comprised of low metamorphic grade magmatic arc segments consisting of mixed oceanic and continental affinities, and oceanic plates, which amalgamated with North America in Early Jurassic Period.

Quesnel Terrane is characterized by a Late Triassic to Early Jurassic magmatic arc complex that formed along or near the western North American continental margin. Takla Group volcanic and sedimentary rocks comprise the majority of Quesnel Terrane in the map area. Comagmatic intrusions of similar age cut the volcano-sedimentary rocks. The geological setting represented by these lithologies is known to host many alkaline copper-gold porphyry deposits in British Columbia.

Quesnel Terrane is in contact to the east with Proterozoic and Paleozoic carbonates and siliciclastics of Cassiar Terrane, representing part of the ancestral North American miogeocline. In places the Quesnel and Cassiar terranes are separated by an intervening assemblage of Late Paleozoic oceanic rocks assigned to Slide Mountain Terrane. The boundary between the Quesnel and Cassiar terranes is a complex structural zone that includes Early Jurassic, east-directed thrust faults that juxtapose Quesnel Terrane above Cassiar Terrane. These east-directed faults and related folds are locally overprinted by somewhat younger west-directed structures that reverse this stacking order, as well as by dextral strike-slip and normal faults that formed in Cretaceous and early Tertiary time (Schiarizza, 2005).

To the west Quesnel Terrane is in fault contact with Late Paleozoic through mid-Mesozoic oceanic rocks of the Cache Creek Terrane, interpreted to be part of the accretion-subduction complex that was responsible for generating the Quesnel magmatic arc. Younger rocks commonly found in the region include Cretaceous granitic stocks and batholiths, Upper Cretaceous to Eocene Wolverine Metamorphic Complex rocks, Eocene volcanic and sedimentary rocks, and flat-lying basalt of both Neogene and Quaternary age.

## **7.0 EXPLORATION CONCEPT**

To date, no mineral resources have been defined on the property. There are, however, widespread copper, gold and lesser molybdenum occurrences in float, outcrop and historic drill holes indicative of two possible styles of mineralization:

1. a porphyry or bulk mineable-type similar to those present on the nearby Mt. Milligan property.
2. a structurally-controlled style of mineralization resulting in a deposit morphology which is more planar and elongate than the porphyry-type.

The Mt. Milligan deposits are alkalic copper-gold porphyry deposits that are associated with alkaline igneous rocks. They commonly consist of stockworks, veinlets and disseminations of pyrite, chalcopyrite, bornite and magnetite that occur in large zones of economically bulk-mineable mineralization in or adjoining porphyritic intrusions of diorite to syenite composition.

In selecting priority drill targets for a porphyry-type deposit, it is best to utilize geophysical methods such as induced polarization (IP) and magnetics, supported by multi-element soil geochemical data. IP can be used to outline large volumes of iron sulphide-bearing rock associated with base and precious metals mineralized centers. Magnetics can identify concentrations of magnetite commonly associated with alkaline stocks and zones of potassically-altered, copper, gold and molybdenum-bearing rock. Multi-element soil geochemical surveys have been successful in locating near surface mineralization. For structurally-controlled deposits, the VLF-EM geophysical method can aid in the interpretation of a mineralized structure's planar orientation.

## **8.0 WORK CONDUCTED BY ORESTONE 2007 to 2009.**

During the months of June and July, 2007, ORS completed programs of Mobile Metal Ion ("MMI") soil geochemical, induced polarization (IP) and ground magnetic surveys on the Windy and PM portions of the property and an MMI survey on the Commodore portion of the property. Cost of the work totaled C\$150,844.86. The IP survey filled in areas between previous IP surveys by Placer and Noranda to form complete chargeability and resistivity patterns for this area. These patterns formed the basis for diamond drilling of five holes during Feb to April 2008.

During 2008 ORS conducted additional IP surveys on lines located across magnetic highs identified from government airborne surveys. These

lines were located southwest of the Windy portion of the property with many of them in the southern Commodore portion of the property.

In June to August, 2009 ORS conducted a percussion drill program to test targets identified from all the above mentioned surveys. It is this percussion drilling program that forms the basis of this report.

### ***8.1 Percussion Drill Program.***

A tank-mounted rock drill was supplied by Blastpro Construction Ltd, Box 482, Houston, B.C. Holes were drilled using water supplied from a tank on the drill. Twenty-seven holes were drilled to a maximum depth of 123 feet with 19 holes penetrating bedrock. The 8 holes that failed to penetrate bedrock were stopped at depths of 20 to 110 feet. Holes were positioned to test a variety of targets based on previous IP, Mag and MMI surveys throughout the Captain Property. Refer to Figures 4, 5, and 6.

Results of the drilling are reported below in an Appendix. Descriptions for each hole include general area, IP Survey line targeted, UTM Coordinates and elevation determined from a handheld Garmin 60Cx GPS unit, azimuth and dip of hole, depth of casing where known, total depth of hole, date hole was started and completed and name of geologist who logged the hole. A short description of the target to be tested is then provided. This general information precedes a description of the hole that includes depth of overburden followed by a log of rock chips collected from each ten foot run to the bottom of the hole. Assays for Cu, Au, Ag, and Mo are provided for each ten foot run.

Rock chips for each ten foot run were collected in a bucket and set aside to let the rock chips settle. A slurry of mud from the overburden was often present and was poured off from the top of the sample. The remaining sample was stirred and a representative sample collected by scoop and placed in a numbered kraft sample bag. A second similar sample was collected for backup. The first sample was sent to Acme Analytical Laboratories in Vancouver for analyses. Each sample was crushed, split and pulverized to 200 mesh. A 15 g sample was dissolved in aqua regia and analyzed by ICP-MS with content for 36 elements reported. A full set of results are provided in an Appendix.

The highest grades of Cu and Au are reported from PDH 09-02 situated on the McLeod Tsilcoh FSR in the south of the property. Here rock was encountered from 60 to 120 feet. A silica-sericite-pyrite fault zone was intersected from 70-90 foot depth. Assays for the ten foot run samples range from 132 to 161 ppm Cu and 12 to 36 ppb Au. Results from other holes were of less interest.

Figure 4. Southwest Captain Drill Hole Location Map

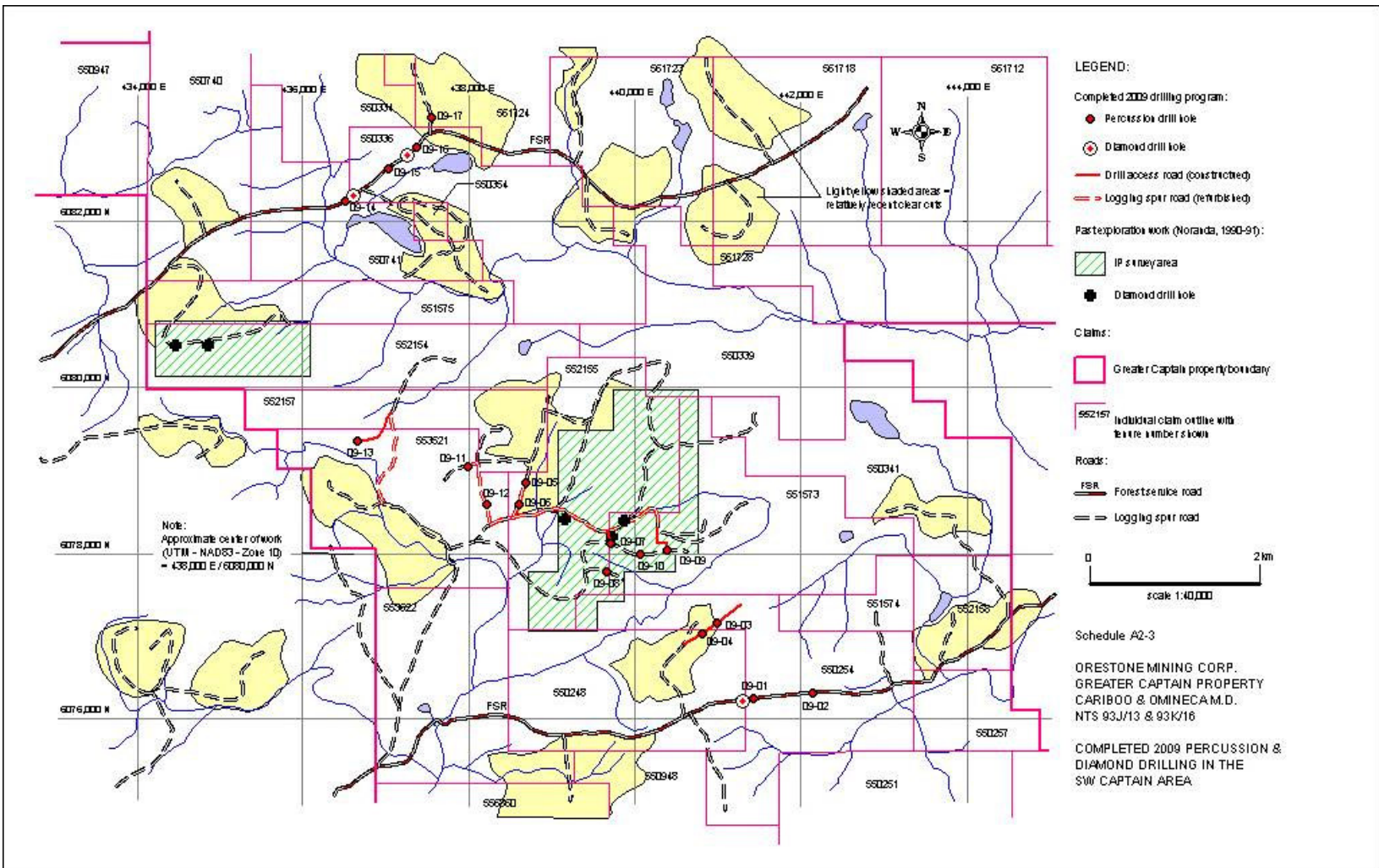


Figure 5. Central Captain Drill Hole Location Map.

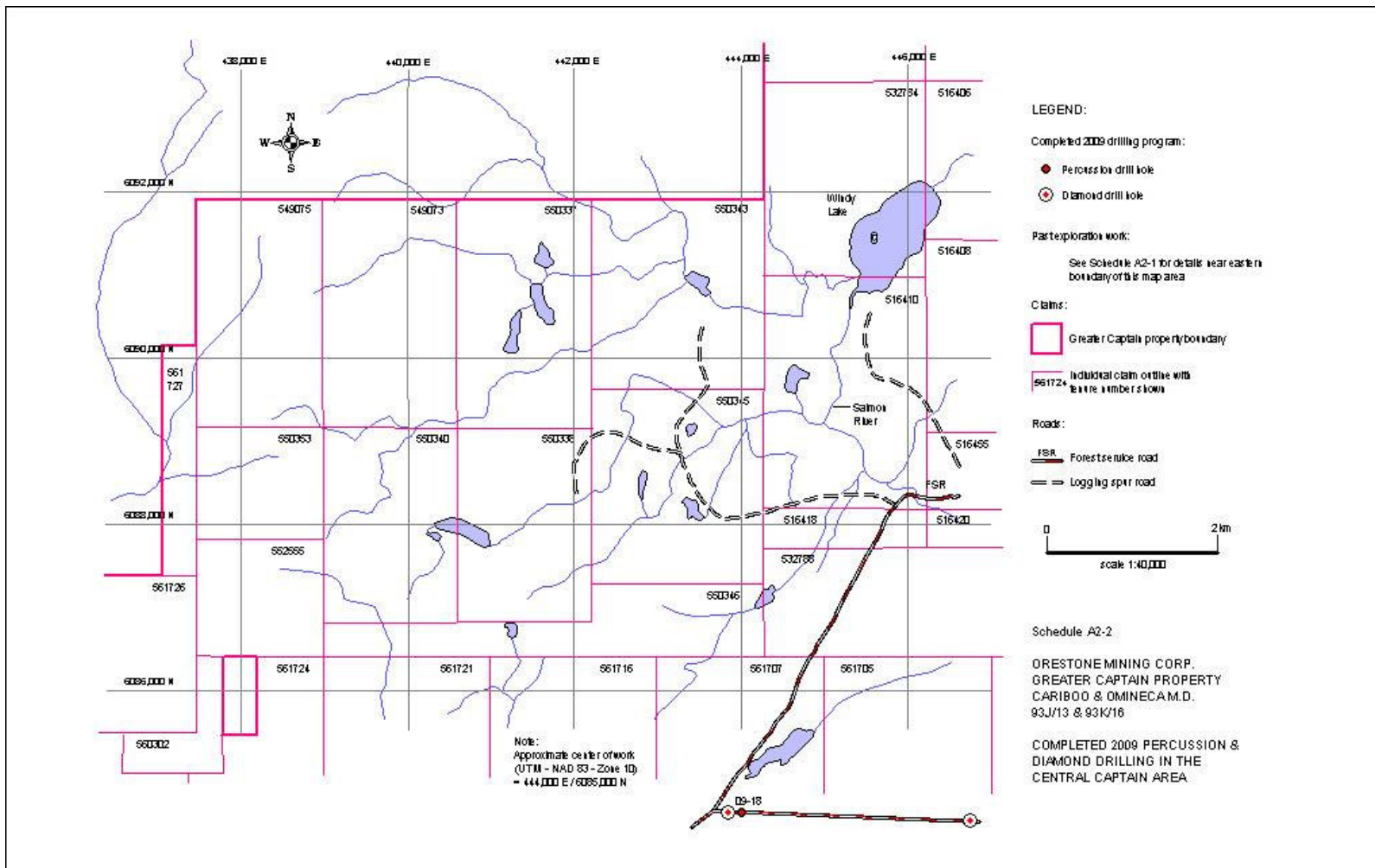
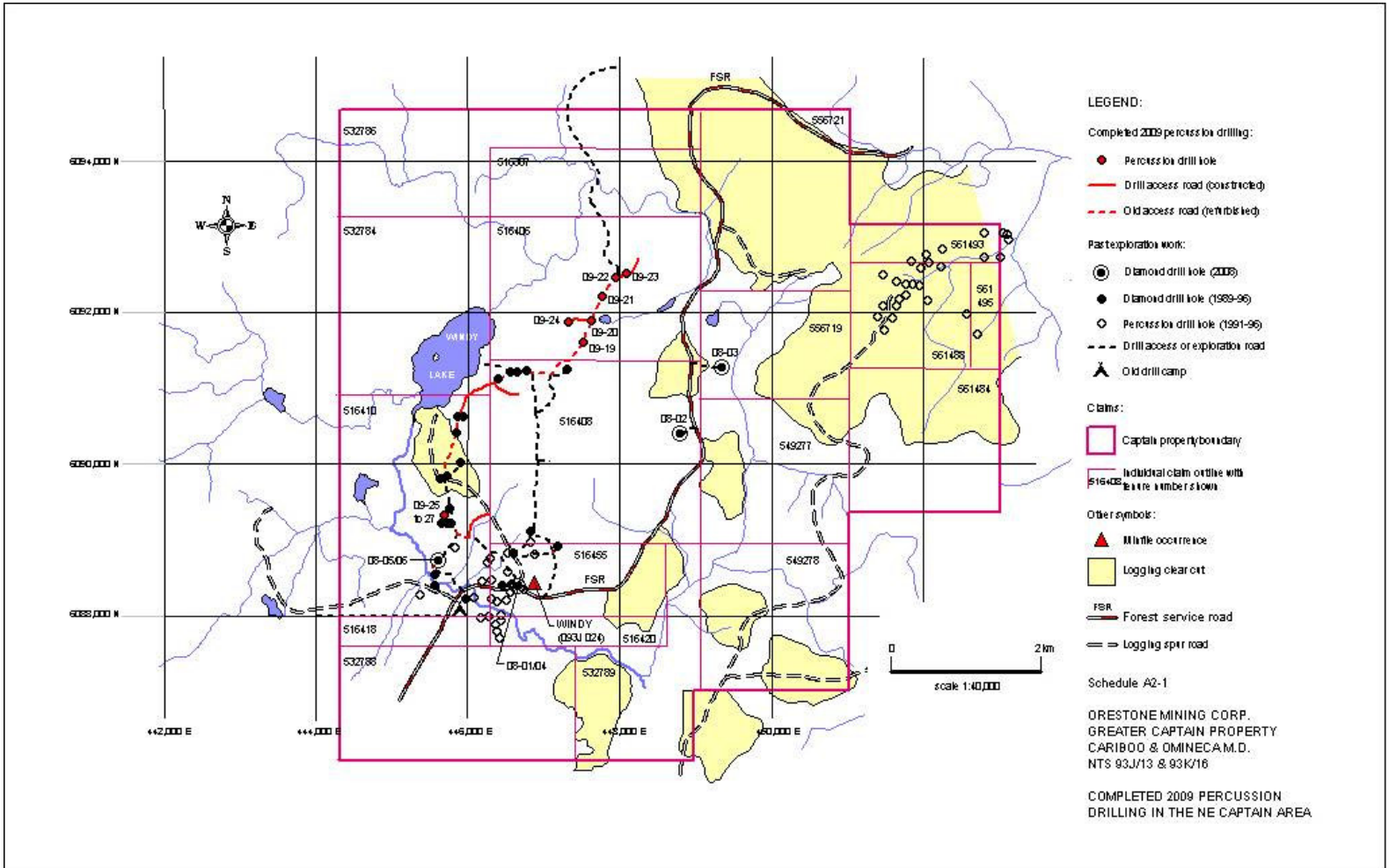


Figure 6. Northeast Captain Drill Hole Location Map.



## 9.0 CONCLUSIONS AND RECOMMENDATIONS.

In the southwest part of the property holes 09-01 to 09-04 were drilled to evaluate high IP chargeabilities with limited success. Only one hole PDH 09-02 penetrated bedrock. It did however provide the highest coincident Au and Cu values from the percussion drilling program within altered diorite. The mineralization is possibly fault controlled. Cu values ranged from 132 to 161 ppm. Au values ranged from 12 to 36 ppb. Redrilling PDH 09-01, which is located over a broad 10 mv/v chargeability high within 300 m of a mag high is recommended to be done by diamond drilling.

Also in the southwest part of the property, holes 09-05 to 09-13 were drilled to test high IP chargeabilities with some support provided by anomalous Au and Cu in soil samples from Noranda's 1989 to 1991 programs. All holes penetrated bedrock which was primarily fine-grained diorite commonly with 1-5% disseminated pyrite. The pyrite explains the high chargeabilities but not the anomalous soils. The anomalous soils could be transported from up-ice towards a 200 degree azimuth. No additional work is recommended in the area of these drill holes.

Further north but still in the southwest part of the property holes 09-14 to 09-17 were drilled to test IP chargeability highs. Only the northernmost hole, 09-17, penetrated bedrock but with no anomalous metal values. One or more of the targets tested with holes 09-14 to 09-16 are recommended to be retested by diamond drilling.

In the central part of the property, hole 09-18 was drilled to test another chargeability high adjacent to an airborne magnetic high. The hole did not penetrate bedrock. A retest of this target with diamond drilling is recommended.

In the north part of the property, holes 09-19 to 09-24 were drilled to test IP chargeability highs adjacent to a mag high with some resistivity highs and anomalous Au and Cu in soils collected by Placer Exploration from 1989 to 1991. No encouragement for additional drilling was encountered. No further work in the immediate area is recommended although the large IP anomaly remains with some untested targets.

Also in the north part of the property, holes 09-25 to 09-27 were drilled to test a strong coincident, northerly-trending Au-As soil anomaly on the east flank of a weak to moderate (10 mv/v) chargeability anomaly and the east flank of a strong resistivity anomaly. Many of the samples in holes 09-25 and 09-26 contained abundant quartz vein material with a high of 691 ppb Au and 100 ppm Cu in one sample in hole 09-25 and a high of 53 ppb Au and 158 ppm Cu in one sample in hole 09-26. Hole 09-27 bottomed in



quartz vein material with only elevated gold values. The remaining gold values from holes 09-25 and 09-26 were less than 110 ppb Au. The target was on trend with massive sulphide boulders highly anomalous for gold that were found by Placer in the 1990 era. Because of contamination of samples in the percussion drilling this target remains of interest. The percussion drilling has shown overburden in this area to be in the order of 5 to 8 metres. Therefore trenching this area is recommended to better explore the geochemical trend for gold bearing sulphide-quartz bodies prior to diamond drilling.

## 10.0 COST STATEMENT

### Time:

G Richards (Geologist)- June 19-25, July 6-17 19 days @ \$630/day	\$11,970.00
B Bowen (Geologist)- June 26-July 3, July 17-Aug 6, Aug 8 30 days @ \$630/day	18,900.00
Howard Sam (Sampler)- July 3-10, 12-18, 22-25, 30, 31 21 days @ \$262.50	5,512.50
John Helweg (cat operator)- July 7, 8 partial	404.25
Transportation:	
Airfares: Vcr-PGeorge	\$1,608.25
Bus: P George-Ft St James	50.45
Truck Rental: National and BowMac	2,418.07
Gas and diesel - truck rentals	526.12
Room and Board:	
Kalder Camp	16,702.83
Motel	423.75
Food	396.49
Drill: (BlastPro, Houston, B.C.)	68,503.17
Low Bed (various): Drill from Houston, Equipment from Ft St James	7,568.72
Tractor Crawler D-6 Cat (Hat Creek logging): road building	20,046.75
Excavator (Hat Creek Logging): creek crossings	7,559.00
Fuel for drill (Vanderhoof Co-op):	8,060.87
Miscellaneous:	
Freight samples and field gear:	
218.22	
Supplies:	1,618.11
Telephone and Radio	80.72
Storage:	173.50
Acme Analytical Labs: assays	5,480.00
Report:	6,000.00

**TOTAL \$ 184,221.77**

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## **12.0 STATEMENT OF QUALIFICATIONS.**

I, Gordon G Richards, with business address at 6410 Holly Park Drive, Delta, B.C., V4K 4W6, do hereby certify that:

1. I am a Consulting Geological Engineer registration number 11,411 with the Association of Professional Engineers and Geoscientists of British Columbia since 1978.
2. I hold a B.A.Sc. (1968) in Geology from The University of British Columbia, and an M.A.Sc. (1974) in Geology from The University of British Columbia.
3. I have been practicing my profession as a geologist for over 40 years and as a consulting geological engineer since 1985. I have work experience in western areas of the United States, Alaska, Canada, Mexico and Africa.
4. I have based this report on my supervision of the drilling program on the property during June 19 to 25 and July 6 to 17, 2009, and from on-site supervision of an assistant during this time period. I have also relied on the supervision of the program by geologist, Mr B K Bowen, during June 26 to July 3 and July 17 to Aug 6, 2009.
5. I have written this report based on results of the fieldwork described and references cited.

Respectfully submitted,

Gordon G Richards P.Eng.

Orestone Mining Corp.

Hole No: PDH 09-01

Captain Property  
2009 Percussion Drill Hole Record

Area: SW Captain	Target Code: K	IP Survey Line: 76170 N
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UTM Coordinates (NAD 83 - Zone 10):	Azimuth:	Total Depth (ft.): 70
North: 6076272	Dip: -90	Date Started: 24-Jun-09
East: 441426	Casing (ft.): 60	Date Completed: 24-Jun-09
Elevation: 915 m	Hole Size: 2" dia.	Logged By: B. Bowen

Purpose: To test for mineralized bedrock on the east flank of a strong airborne magnetic high in an area of moderate (10-12 mV/V) chargeability (at depth) & low resistivity

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppm Ag	ppm Mo
0-70	n/a	n/a	OVERBURDEN	Hole shut down in blue clay layer @ 70 ft. (rods sticking)				
<b>End of hole at 70 ft.</b>								

Orestone Mining Corp.

Hole No: PDH 09-02

Captain Property  
2009 Percussion Drill Hole Record

Area: SW Captain	Target Code: K	IP Survey Line: 76170 N
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UTM Coordinates (NAD 83 - Zone 10):	Azimuth:	Total Depth (ft.): 123
North: 6076346	Dip: -90	Date Started: 25-Jun-09
East: 442147	Casing (ft.): 60	Date Completed: 26-Jun-09



Elevation: 927 m	Hole Size: 2" dia.	Logged By: B. Bowen
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Purpose: To test for mineralized bedrock on the southwest flank of an airborne magnetic low in an area of moderate (11-13 mV/V) chargeability (near surface) & low resistivity

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppm Ag	ppm Mo
0-60	n/a	n/a	OVERBURDEN	Colour change to light brown @ 50-60 ft.; approx. 50% rusty, bleached intrusive rock chips w/ possible trace Py				
60-70	40	30	ALTERED INTRUSIVE(?)	70% limonitic rock chips; medium grained, crystalline (intrusive) texture; bleached; minor quartz chips w/ possible trace Py.	158.4	24.7	0.1	2.9
70-80	50*	15	PYRITIC FAULT ZONE	Clay-sericite altered fault gouge w/ 4-5% very fine grained Py * 1/2 way through run, lost return	137.6	36.7	0.2	1.9
80-90	<10*	10	PYRITIC FAULT ZONE	Early in run, return dark grey (heavy sulphide?); otherwise sample is medium grey w/ 4-5% very fine grained Py; washed chips show silica-sericite altered medium grained intrusive w/ 5% Py * poor recovery - almost all the sample in suspension	168	20.8	0.2	2.7
90-100	70	<10	ALTERED INTRUSIVE	Silica-sericite altered medium grained intrusive w/ 3-4% Py	161.2	34.2	0.2	1.1
100-110	70	<10	ALTERED INTRUSIVE	Similar to 90-100; possibly slight decrease in silica-sericite alteration; 3% diss. Py; occasional large Py chip (vlt?)	154.9	12.4	0.1	1.1
110-120	85	<10*	ALTERED INTRUSIVE	Similar to 100-110; possible chloritized mafics present; 2-3% diss. Py; also some Py chips & quartz (vlt.?) chips w/ Py * there could be contamination from pyritic fault zone from 70-90, but visually hard to recognize	132.7	25.6	0.1	1.3
120-123	0	n/a	NO SAMPLE	Bit plugged - no return; hole shut down 3				



Area: SW Captain Target Coc J IP Survey L 13300 N

UTM Coordinates (NAD 83 - Zone 10): Azimuth: Total Depth 20  
North: 6077021 Dip: -90 Date Start 04-Jul-09  
East: 440812 Casing (ft.) 20 Date Comp 05-Jul-09  
Elevation: 917 Hole Size: 2" dia. Logged By: B. Bowen

Purpose: To test for mineralized bedrock on the northeast flank of an airborne magnetic high in an area of low (6-7 mV/V) chargeability & low resistivity

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppm Ag	ppm Mo
0-20	n/a	n/a	OVERBURDEN	Hole shut down in overburden @ 20 ft.; drillers instructed to pull casing & move to Hole PDH 09-05 in Target Area H				

End of hole at 20 ft.

**Orestone Mining Corp.**

**Hole No: PDH 09-05**

**Captain Property  
2009 Percussion Drill Hole Record**

Area: SW Captain Target Code: IP Survey Line 38,400E

UTM Coordinates (NAD 83 - Zone 10): Azimuth: Total Depth 120  
North: 6,078,829 Dip: -90 Date Start 05-Jul-09  
East: 438,682 Casing (ft.) 40 Date Comp 05-Jul-09  
Elevation: 952 m Hole Size: 2" dia. Logged By: G Richards

Purpose: To evaluate moderate chargeabilities (9mv/v on 38,400E to 18/mv/v on 38,100E on the southwest flank of airborne magnetic high.

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppb Ag	ppm Mo
0-40 40-120	n/a	n/a	OVERBURDEN DIORITE	medium-dark grey fine-grained diorite with about 1/2 % pyrite	67-101	1.4-13.6	<.1-0.3	2.1-14.6

**Orestone Mining Corp.**

**Hole No: PDH 09-06**

**Captain Property  
2009 Percussion Drill Hole Record**

Area: SW Captain Target Code: IP Survey lines 38,400 and 38,100

UTM Coordinates (NAD 83 - Zone 10): Azimuth: Total Depth 80  
 North: 6,078,597 Dip: -90 Date Start 06-Jul-09  
 East: 438,598 Casing (ft.): Date Comp 06-Jul-09  
 Elevation: 949 m Hole Size: 2" Logged By: G Richards

Purpose: To evaluate moderate chargeabilities (9mv/v on 38,400E to 18/mv/v on 38,100E on the southwest flank of airborne magnetic high.

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppb Ag	ppm Mo
0-30 30-80			OVERBURDEN DIORITE	medium grey fine-grained diorite with 1/2 % pyrite	40-127	4.0-26.3	0.1-0.3	2.1-20.4

**Hole No: PDH 09-07**

**Captain Property  
2009 Percussion Drill Hole Record**

Area: SW Captain Target Code: Noranda IP Survey 1990 era

UTM Coordinates (NAD 83 - Zone 10): Azimuth: Total Depth 100  
 North: 6,078,122 Dip: -90 Date Start 07-Jul-09

East: 439,694  
 Elevation: 927 m

Casing (ft.) 20  
 Hole Size: 2"

Date Comp: 07-Jul-09  
 Logged By: G Richards

To evaluate IP anomaly defined by Noranda in 1990 era

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppb Ag	ppm Mo
0-40			OVERBURDEN	20-40 is slurry - lake sed(?)				
40-50			DIORITE	diorite with 1% diss pyrite. 20% of sample is greenish andesite-dior with 1% pyrite. Minor epidote.	102.3	9.8	0.5	3.2
50-60			DIORITE	Diorite with 5% diss pyrite and 10% mafics. 1% epidote, some chlorite.	85.4	11.6	0.2	5.1
60-70			DIORITE	as for 50-60	71.5	12.3	0.2	2.7
70-80			DIORITE	diorite with 2% pyrite. Minor epidote. Some pyrite is fracture-controlled. Mafics fresh. greenish cast in some chips from chlorite.	56.7	11.9	<0.1	2.2
80-90			DIORITE	60% of chips are diorite with 2-5% pyrite. <1% epidote minor chlorite. 30% of chips pale grey siliceous with 1% pyrite and no epidote.	36.5	24.1	<0.1	2.8
90-100			DIORITE	70% of chips diorite as above 20% of chips pale grey siliceous somewhat rounded.	41.3	8.9	<0.1	2.6

**Orestone Mining Corp.**

**Hole No: PDH 09-08**

**Captain Property**

**2009 Percussion Drill Hole Record**

Area: SW Captain

Target Code:

Noranda IP Survey 1990 era

UTM Coordinates (NAD 83 - Zone 10):

North: 6,077,788

East: 439,659

Azimuth:

Dip: -90

Casing (ft.) 10

Total Depth 90

Date Start: 08-Jul-09

Date Comp: 08-Jul-09

Elevation:

Hole Size: 2"

Logged By: G Richards

Purpose: to test IP anomaly identified by Noranda in 1990 era

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppb Ag	ppm Mo
0-50			OVERBURDEN	10-50 hardpan that produces slurry on top of sample bucket. Lake sed(?)				
50-60			argillite	65% pale grey to black argillite. No alteration. Some felsite <<1% py	45.3	2.7	0.6	1.8
60-70			diorite?	>70% of sample shows rounding. Overburden? Some pale grey diorite.	42.6	<0.5	0.1	1.5
70-80			?	Overburden? >80% shows rounding.	53.2	1.3	0.1	1.4
80-90			overburden?	>90% shows rounding. Minor angular diorite. NOTE: mud seam at 70 ft Probably all overburden	49.5	<0.5	0.1	1.5

**Orestone Mining Corp.**

**Hole No: PDH 09-09**

**Captain Property**

**2009 Percussion Drill Hole Record**

Area: SW Captain

Target Code:

Noranda IP Survey 1990 era

UTM Coordinates (NAD 83 - Zone 10):

Azimuth:

Total Depth 90

North: 6,078,048

Dip: -90

Date Start: 09-Jul-09

East: 440,385

Casing (ft.):

Date Comp: 09-Jul-09

Elevation: 940 m

Hole Size: 2"

Logged By: G Richards

Purpose: To evaluate IP anomaly defined by Noranda in 1990 era

Interval	Recovery	Contam.	Lithology	Alteration/Mineralization	Analyses
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(feet)	(%)	(%)		ppm Cu	ppb Au	ppb Ag	ppm Mo	
0-40			OVERBURDEN					
40-50			DIORITE	med grey diorite 1%pyrite	98.1	7.7	0.3	2.1
50-60			DIORITE	med grey diorite 2-3\$ pyrite	86.5	6.2	0.6	2.8
60-70			DIORITE	med grey diorite 3-5% pyrite	57.9	9.3	0.2	2.9
70-80			DIORITE	med grey diorite 5% pyrite	55.6	4.9	0.2	2.3
80-90			DIORITE	med grey diorite 1% pyrite	102.3	3.8	0.2	1.3

**Orestone Mining Corp.**

**Hole No: PDH 09-10**

**Captain Property**

**2009 Percussion Drill Hole Record**

Area: Target Code: Noranda IP Survey 1990 era

UTM Coordinates (NAD 83 - Zone 10): Azimuth: Total Depth 100

North: 6,077,995 Dip: -90 Date Start 09-Jul-09

East: 440,065 Casing (ft.): Date Comp 09-Jul-09

Elevation: 943 m Hole Size: 2" Logged By: G Richards

Purpose: To evaluate IP anomaly defined by Noranda in 1990 era

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppb Ag	ppm Mo
0-60			OVERBURDEN					
60-70			DIORITE	medium grey diorite or mottled volcanoclastic mafics partially chloritized with 1% pyrite	52.9	19	<0.1	1.1
70-80			DIORITE	as above with 1-2% py	46.3	25.5	0.1	2.3
80-90			DIORITE	as above with 1-2% py	38.1	18.8	<0.1	2.4
90-100			DIORITE	as above with 1-2% py	46	22.4	<0.1	1.7

**Orestone Mining Corp.**

**Hole No: PDH 09-11**

**Captain Property**

**2009 Percussion Drill Hole Record**

Area: Target Code: IP Survey line 37800E

UTM Coordinates (NAD 83 - Zone 10): Azimuth: Total Depth 100  
 North: 6,079,108 Dip: -90 Date Start: 12-Jul-09  
 East: 437,990 Casing (ft.): Date Comp: 12-Jul-09  
 Elevation: 981 m Hole Size: 2" Logged By: G Richards

Purpose: To evaluate chargeability anomaly on line 37800E with values of 10 to 16 mv/v.

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppb Ag	ppm Mo
0-70			OVERBURDEN					
70-80			?	badly contaminated or overburden	50.4	2.2	<0.1	2.2
80-90			?	badly contaminated or overburden	53.6	<0.5	<0.1	2.2
90-100			DIORITE	badly contaminated but with 70% dark diorite. No sulphide.	62.1	<0.5	<0.1	1.9

**Orestone Mining Corp.**

**Hole No: PDH 09-12**

**Captain Property  
2009 Percussion Drill Hole Record**

Area: SW Captain Target Code: IP Survey line 37800E

UTM Coordinates (NAD 83 - Zone 10): Azimuth: Total Depth 100  
 North: 6,078,603 Dip: -90 Date Start: 12-Jul-09  
 East: 438,201 Casing (ft.): Date Comp: 12-Jul-09  
 Elevation: 947 m Hole Size: 2" Logged By: G Richards

Purpose: To evaluate IP survey line 37800E with chargeabilities of 10 to 20 mv/v with high resistivity values.

Interval	Recovery	Contam.	Lithology	Alteration/Mineralization	Analyses
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(feet)	(%)	(%)		ppm Cu	ppb Au	ppb Ag	ppm Mo
0-70			OVERBURDEN				
70-80			ARGILLITE	contaminated argillite. No pyrite	51.8	1.2 <0.1	2.1
80-90			ARGILLITE	contaminated argillite. No pyrite	51.1 <0.5	<0.1	2.4
90-100			ARGILLITE	contaminated argillite. No pyrite Last four feet is darker/	55.2	7.6 <0.1	2.1

**Orestone Mining Corp.**

**Hole No: PDH 09-13**

**Captain Property**

**2009 Percussion Drill Hole Record**

Area: SW Captain Target Code: IP Survey Line 36600E

UTM Coordinates (NAD 83 - Zone 10):

North: 6,079,353

East: 436,664

Elevation: 993 m

Azimuth:

Dip: -90

Casing (ft.):

Hole Size: 2"

Total Depth: 100

Date Started: 15-Jul-09

Date Completed: 15-Jul-09

Logged By: G Richards

Purpose: To evaluate chargeability in the 10 to 18 mv/v on IP line 36600E

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppb Ag	ppm Mo
0-20			OVERBURDEN					
20-30			?	overburden? Some diorite	71.4	1.8	0.6	2.7
30-40			?	overburden? Some diorite	61.5 <0.5	<0.1		1.8
40-50			?	overburden? Some diorite	61.2 <0.5	<0.1		2
50-60			?	overburden? Some diorite	67.2	0.8 <0.1		2.1
60-70			DIORITE	contaminated unaltered diorite	97.8	1.6 <0.1		1.8
70-80			DIORITE	grey diorite unaltered	89.9 <0.5	<0.1		0.7
80-90			DIORITE	grey diorite unaltered	98.4 <0.5	<0.1		0.7
90-100			DIORITE	grey diorite unaltered	82.3 <0.5	<0.1		0.9

**Orestone Mining Corp.**

**Hole No: PDH 09-14**

**Captain Property  
2009 Percussion Drill Hole Record**

Area:	SW Captain	Target Coc	F	IP Survey I	20000 N
UTM Coordinates (NAD 83 - Zone 10):		Azimuth:		Total Depth	80
North:	6082288	Dip:	-90	Date Start	16-Jul-09
East:	436511	Casing (ft.)	60	Date Comp	17-Jul-09
Elevation:	957 m	Hole Size:	2" dia.	Logged By:	B. Bowen

Purpose: To test for mineralized bedrock on the southwest flank of an airborne magnetic low in an area of moderate (8-10 mV/V) chargeability and high (near surface) resistivity

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppm Ag	ppm Mo
0-70	n/a	n/a	OVERBURDEN					
70-80			OVERBURDEN	Interval sampled but later determined to be still in overburden; hole shut down because no further progress could be made	48.2	1.5	0.1	2.9

End of hole at 80 ft.

**Orestone Mining Corp.**

**Hole No: PDH 09-15**

**Captain Property  
2009 Percussion Drill Hole Record**

Area:	SW Captain	Target Coc	F	IP Survey I	20000 N
UTM Coordinates (NAD 83 - Zone 10):		Azimuth:		Total Depth	80
North:	6082654	Dip:	-90	Date Start	17-Jul-09
East:	437021	Casing (ft.)	60	Date Comp	18-Jul-09
Elevation:	970 m	Hole Size:	2" dia.	Logged By:	B. Bowen

Purpose:

To test for mineralized bedrock within an airborne magnetic low in an area of relatively high (~20 mV/V) chargeability & low resistivity

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppm Ag	ppm Mo
0-30	n/a	n/a	OVERBURDEN					
30-40		40	OVERBURDEN	Interval sampled but later determined to be still in overburden	60.9	1.5	0.1	1.5
40-50		100	OVERBURDEN	As per 30-40	69	1.8	0.1	1.4
50-60		80	OVERBURDEN	As per 30-40	66.2	2.7	0.1	1.9
60-70		60	OVERBURDEN	As per 30-40	74.2	1.1	0.2	2
70-80		40	OVERBURDEN	Interval sampled but later determined to be still in overburden; hole shut down because no further progress could be made	60.9	1.9	0.2	5

End of hole at 80 ft.

**Orestone Mining Corp.**

**Hole No: PDH 09-16**

**Captain Property**

**2009 Percussion Drill Hole Record**

Area: SW Captain

Target Coc F

IP Survey I 20000 N

UTM Coordinates (NAD 83 - Zone 10):

Azimuth:

Total Depth 100

North: 6082939

Dip: -90

Date Start 18-Jul-09

East: 437367

Casing (ft.) 60

Date Comp 19-Jul-09

Elevation: 986 m

Hole Size: 2" dia.

Logged By: B. Bowen

Purpose: To test for mineralized bedrock within an airborne magnetic low in an area of moderate (~15 mV/V) chargeability & high resistivity

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppm Ag	ppm Mo
0-80	n/a	n/a	OVERBURDEN					
80-90			OVERBURDEN	Interval sampled but later determined to be still in overburden	73.5	1.3	0.2	3.6
90-100			OVERBURDEN	As per 80-90; hole shut down because no further progress could be made	70.2	2.2	0.1	2.5

End of hole at 100 ft.

**Orestone Mining Corp.**

**Hole No: PDH 09-17**

**Captain Property**

**2009 Percussion Drill Hole Record**

Area: SW Captain	Target Coc F	IP Survey I 20000 N
UTM Coordinates (NAD 83 - Zone 10):	Azimuth:	Total Depth 106
North: 6083242	Dip: -90	Date Start 19-Jul-09
East: 437507	Casing (ft.) 40	Date Comp 22-Jul-09
Elevation: 997 m	Hole Size: 2" dia.	Logged By: B. Bowen

Purpose: To test for mineralized bedrock within an airborne magnetic low in an area of moderate (~10 mV/V) chargeability & high resistivity; on surface, at collar, angular sericitically-altered float carries minor chalcopyrite mineralization

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppm Ag	ppm Mo
0-40	n/a	n/a	OVERBURDEN					
40-50			FELSIC INTRUSIVE	Sericitically altered with minor diss. Py	74.1	3.1	<0.1	1.3
50-60			FELSIC INTRUSIVE	As per 40-50	69.5	1.2	<0.1	1.8

60-70	FELSIC INTRUSIVE	As per 40-50	79.2	<0.5	<0.1	3.5
70-80	FELSIC INTRUSIVE	As per 40-50	73.2	0.7	<0.1	3.5
80-90	FELSIC INTRUSIVE	As per 40-50	81.8	10.3	0.1	2.9
90-100	FELSIC INTRUSIVE	As per 40-50	85.4	4.5	<0.1	1.8
100-106	FELSIC INTRUSIVE	As per 40-50	88	9.7	<0.1	2.6

End of hole at 106 ft.

**Orestone Mining Corp.**

**Hole No: PDH 09-18**

**Captain Property**

**2009 Percussion Drill Hole Record**

Area: Central Captain

Target Coc E

IP Survey I 84600 N

UTM Coordinates (NAD 83 - Zone 10):

North: 6084598

East: 444000

Elevation: 1004 m

Azimuth:

Dip: -90

Casing (ft.) 60

Hole Size: 2" dia.

Total Depth 110

Date Start 22-Jul-09

Date Comp 23-Jul-09

Logged By: B. Bowen

Purpose: To test for mineralized bedrock at the SW margin of a cluster of small ground magnetic anomalies in an area of moderate (~15 mV/V) chargeability & high resistivity

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppm Ag	ppm Mo
0-50	n/a	n/a	OVERBURDEN					
50-60	60		OVERBURDEN	Interval sampled but later determined to be still in overburden	64.8	3	0.1	1.9
60-70	40		OVERBURDEN	As per 50-60	57.3	1.6	0.1	2.3

70-80	10	OVERBURDEN	As per 50-60	50.7	2.7	0.1	6.7
80-90	10	OVERBURDEN	As per 50-60	52.2	3	<0.1	6.2
90-100	65	OVERBURDEN	As per 50-60	49.1	1	0.1	4.5
100-110		OVERBURDEN	Interval sampled but later determined to be still in overburden; hole shut down because no further progress could be made	54.1	0.9	0.1	4.1

End of hole at 110 ft.

**Orestone Mining Corp.**

**Hole No: PDH 09-19**

**Captain Property**

**2009 Percussion Drill Hole Record**

Area: NE Captain Target Coc B IP Survey I Placer grid

UTM Coordinates (NAD 83 - Zone 10): Azimuth: Total Depth 100

North: 6091597 Dip: -90 Date Start: 24-Jul-09

East: 447532 Casing (ft.): 60 Date Comp: 27-Jul-09

Elevation: 1079 m Hole Size: 2" dia. Logged By: B. Bowen

Purpose: To test for mineralized bedrock in an area of moderate to strong aeromag response, moderate to strong (15-20 mV/V) chargeability & moderate to strong resistivity

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppm Ag	ppm Mo
0-80	n/a	n/a	OVERBURDEN					
80-90		10	QUARTZ DIORITE	Minor Py	46.3	3.2	<0.1	0.9
90-100		10	QUARTZ DIORITE	Minor Py; hole stopped due to drilling problems (rods stuck)	36.3	14.9	<0.1	1.7

End of hole at 100 ft.

**Orestone Mining Corp.**

**Hole No: PDH 09-20**

**Captain Property  
2009 Percussion Drill Hole Record**

Area:	NE Captain	Target Coc	B	IP Survey I	Placer grid
UTM Coordinates (NAD 83 - Zone 10):		Azimuth:		Total Depth	120
North:	6091896	Dip:	-90	Date Start	28-Jul-09
East:	447630	Casing (ft.)	60	Date Comp	30-Jul-09
Elevation:	1051 m	Hole Size:	2" dia.	Logged By:	B. Bowen

Purpose: To test for mineralized bedrock in an area of moderate to strong aeromag response, moderate to strong (~20 mV/V) chargeability & moderate resistivity

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppm Ag	ppm Mo
0-70	n/a	n/a	OVERBURDEN		72.8	3.6	0.1	1.6
70-80			QUARTZ DIORITE	Relatively fresh; overall colour is dark grey-green; minor qtz. vein frags; rare Py frags; no Cp noted	64.9	6	0.1	1
80-90*		5	QUARTZ DIORITE?	Sericite-chlorite altered; overall colour is light grey-green; ~5% qtz. vein chips, some w/ minor limonite; no Py nor Cp noted	73.2	4.9	0.1	1.5
90-100*		2	QUARTZ DIORITE?	Similar to 80-90'; >5% qtz. vein chips, some w/ moderate-strong limonite; trace Py diss. in altered quartz diorite; no Cp	70.5	6.1	0.1	1.6
100-110*		2	QUARTZ DIORITE	Light reddish tinge to interval due to mod. limonite soaking of quartz diorite chips; 5-10% qtz. vein frags; trace Py diss.; no Cp	85.6	9.9	0.2	1.3
110-120	100		QUARTZ DIORITE	Similar to 100-110'; ~5% qtz. vein chips, some w/ possible trace Cp; trace Py diss.	101.4	13	0.2	1.1

\* very poor sample recovery

End of hole at 120 ft.

Hole No: PDH 09-21

**Captain Property  
2009 Percussion Drill Hole Record**

Area:	NE Captain	Target Coc	B	IP Survey	L 2007 Orestone grid
UTM Coordinates (NAD 83 - Zone 10):		Azimuth:		Total Depth	130
North:	6092207	Dip:	-90	Date Start	30-Jul-09
East:	447761	Casing (ft.)	50	Date Comp	01-Aug-09
Elevation:	1057 m	Hole Size:	2" dia.	Logged By:	B. Bowen

Purpose: To test for mineralized bedrock on the west flank of a strong ground magnetics anomaly, in an area of strong (~25 mV/V) chargeability & high resistivity

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppm Ag	ppm Mo
0-50	n/a	n/a	OVERBURDEN					
50-60	100		SILICIFIED DIORITE/ QUARTZ DIORITE	Sericitized +/- silicified diorite or quartz diorite; some frags show quartz vlt. w/ Py locally; also trace to minor amounts of Cp were observed locally in quartz & quartz-Py vlt.; Py frags (vlt.) are present locally; overall Py content is about 0.5%	99.6	2.3	<0.1	1.5
60-70	100		As per 50-60	Similar to 50-60	158.1	<0.5	<0.1	2.9
70-80	15		As per 50-60	Similar to 50-60	91.2	3.8	<0.1	1.7
80-90	45		As per 50-60	Similar to 50-60	61.5	<0.5		0.1
90-100	20		As per 50-60	Similar to 50-60	113.8	5.2	<0.1	2.4
100-110	15		As per 50-60	Similar to 50-60	121.3	6.1	0.1	2.5
110-120	10		As per 50-60	Similar to 50-60	117.1	3.8	0.1	3.8
120-130	50	some	FAULT ZONE	Colour change from dark greyish green to red; clay balls present = fault; minor Py diss. & in quartz frags; no Cp noted; rods	88.7	35.7	0.1	3.5



sticking in fault - hole stopped

End of hole at 130 ft.

**Orestone Mining Corp.**

**Hole No: PDH 09-22**

**Captain Property  
2009 Percussion Drill Hole Record**

Area: NE Captain	Target Coc B	IP Survey I 2007 Orestone grid
UTM Coordinates (NAD 83 - Zone 10):	Azimuth:	Total Depth 100
North: 6092456	Dip: -90	Date Start 01-Aug-09
East: 447937	Casing (ft.) 20	Date Comp 02-Aug-09
Elevation: 1092	Hole Size: 2" dia.	Logged By: B. Bowen

Purpose: To test for mineralized bedrock on the southwest flank of a strong ground magnetics anomaly, in an area of moderate to strong (15-20 mV/V) chargeability & moderate resistivity

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppm Ag	ppm Mo
0-20	n/a	n/a	OVERBURDEN					
20-30			DIORITE/QUARTZ DIORITE	Chloritized +/- sericitized diorite or quartz diorite; some frags show quartz vlt. w/ Py locally; also trace Cp observed locally in quartz & quartz-Py vlt.; overall Py content is about 0.5%	127.8	2.3	<0.1	1.1
30-40			As per 20-30	Similar to 20-30	142.6	0.8	<0.1	1.2
40-50			As per 20-30	Similar to 20-30	158.8	1.8	0.8	2
50-60			As per 20-30	Similar to 20-30	116.1	13.2	0.9	1.5
60-70			As per 20-30	Similar to 20-30	217.6	6.6	1.9	1.2
70-80			As per 20-30	Similar to 20-30	110.2	2.4	0.4	1.3
80-90			As per 20-30	Similar to 20-30	83	<0.5	0.1	0.9
90-100			As per 20-30	Similar to 20-30	96.3	0.8	0.1	0.9

End of hole at 100 ft.

**Orestone Mining Corp.**

**Hole No: PDH 09-23**

**Captain Property  
2009 Percussion Drill Hole Record**

Area: NE Captain	Target Coc B	IP Survey I 2007 Orestone grid
UTM Coordinates (NAD 83 - Zone 10):	Azimuth:	Total Depth 110
North: 6092518	Dip: -90	Date Start 02-Aug-09
East: 448087	Casing (ft.) 0	Date Comp 02-Aug-09
Elevation: 1091	Hole Size: 2" dia.	Logged By: B. Bowen

Purpose: To test for mineralized bedrock within a strong ground magnetics anomaly, in an area of moderate (10-15 mV/V) chargeability & high resistivity

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppm Ag	ppm Mo
0-10			DIORITE/QUARTZ DIORITE	Silicified & sericitized w/ 1-3% Py & minor Cp as diss. & fracture fillings	121.7	<0.5	<0.1	1
10'-20'			As per 0-10	Similar to 0-10	128.5	<0.5	<0.1	2.5
20-30			As per 0-10	Similar to 0-10	126.2		1.6 <0.1	1.3
30-40			ANDESITE	Weakly to moderately sericitized andesite or fine grained diorite w/ minor Py & tr. Cp	127.9		1.6 <0.1	1.2
40-50			As per 30-40	Similar to 30-40	72.3		5 <0.1	1.3
50-60			As per 30-40	Similar to 30-40	11.9	<0.5	<0.1	3.6
60-70			As per 30-40	Similar to 30-40	58.8		1.1 0.2	3.1
70-80			As per 30-40	Similar to 30-40	96.9		1.1 <0.1	1.9
80-90			As per 30-40	Similar to 30-40	85.3		1.7 <0.1	1.8
90-100			As per 30-40	Similar to 30-40	118.9		2.2 <0.1	2
100-110			As per 30-40	Similar to 30-40	200.5		4 <0.1	2.5

End of hole at 110 ft.

**Orestone Mining Corp.**

**Hole No: PDH 09-24**

**Captain Property  
2009 Percussion Drill Hole Record**

Area: NE Captain Target Coc B IP Survey I Placer grid  
UTM Coordinates (NAD 83 - Zone 10): Azimuth: Total Depth 110  
North: 6091879 Dip: -90 Date Start 02-Aug-09  
East: 447326 Casing (ft.) 60 Date Comp 03-Aug-09  
Elevation: 1062 Hole Size: 2" dia. Logged By: B. Bowen

Purpose: To test for mineralized bedrock in an area of moderate to strong aeromag response, moderate (10-15 mV/V) chargeability & moderate resistivity

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppm Ag	ppm Mo
0-50	n/a	n/a	OVERBURDEN					
50-60	n/a	n/a	OVERBURDEN	Interval sampled but later determined to be still in overburden	96.9	84.1	0.2	1.5
60-110	n/a	n/a	OVERBURDEN					

End of hole at 110 ft.

**Orestone Mining Corp.**

**Hole No: PDH 09-25**

**Captain Property  
2009 Percussion Drill Hole Record**

Area: NE Captain Target Coc D IP Survey I Placer grid  
UTM Coordinates (NAD 83 - Zone 10): Azimuth: 270 Total Depth 120  
North: 6089221 Dip: 58 Date Start 03-Aug-09

East: 445743  
Elevation: 1013 m

Casing (ft.) 30  
Hole Size: 2" dia.

Date Comp: 03-Aug-09  
Logged By: B. Bowen

Purpose: Hole designed to test a strong, coincident, northerly-trending Au-As soil anomaly on the east flank of a weak to moderate (~10 mV/V) chargeability anomaly and the east flank of a strong resistivity anomaly

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppm Ag	ppm Mo
0-28	n/a	n/a	OVERBURDEN					
28-30			DIORITE	No comment	63.8	21.6	0.1	0.7
30-40			DIORITE	No comment	100	691	0.2	1
40-50			DIORITE	Quartz-sulphide frags common; more quartz frags at top of interval	44.5	80.7	<0.1	1.5
50-60			DIORITE	Abundant quartz or quartz-sulphide frags	67.3	106.2	0.1	2.3
60-70			DIORITE	30% quartz or quartz-Py frags	58.3	35.7	0.2	1.5
70-80			DIORITE	30-35% quartz or quartz-Py frags	50.1	27	0.2	1.1
80-90			DIORITE	>50% quartz or quartz-Py frags	50.5	28.7	0.2	1.3
90-100			DIORITE	50-60% quartz or quartz-Py frags	33.8	16	0.2	0.9
100-110			DIORITE	<50% quartz or quartz-Py frags	35.2	41.6	0.3	0.9
110-120			DIORITE	30% quartz or quartz-Py frags	49	31.3	0.3	2.5

End of hole at 120 ft.

**Orestone Mining Corp.**

**Hole No: PDH 09-26**

**Captain Property**

**2009 Percussion Drill Hole Record**

Area: NE Captain

Target Coc D

IP Survey I Placer grid

UTM Coordinates (NAD 83 - Zone 10):

North: 6089222

East: 445764

Elevation: 1003 m

Azimuth: 270

Dip: 57

Casing (ft.) 20

Hole Size: 2" dia.

Total Depth 120

Date Start: 04-Aug-09

Date Comp: 04-Aug-09

Logged By: B. Bowen

Purpose: Hole designed to test a strong, coincident, northerly-trending Au-As soil anomaly on the east flank of a weak to moderate (~10 mV/V) chargeability anomaly and the east flank of a strong resistivity anomaly

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppm Ag	ppm Mo
0-20	n/a	n/a	OVERBURDEN					
20-30			DIORITE	Some clay balls present = fault?	118.9	7.3	0.1	1
30-40			DIORITE	As per 20-30	122.8	10.8	<0.1	0.8
40-50			DIORITE	Very clay-rich = fault?; ~5% quartz vn frags	127	12.9	0.3	1.1
50-60			DIORITE	Approx. 15% quartz vn frags	114.2	11.7	0.5	1.2
60-70			DIORITE	40-50% quartz or quartz-sulphide frags	158.4	53.1	0.7	1.2
70-80			DIORITE	Approx. 30% quartz vn frags	111.2	30.5	0.3	1.6
80-90			DIORITE	Approx. 25-30% quartz vn frags; hard rock	91.1	11.9	0.2	1.3
90-100	poor		DIORITE	From 95-98, cut clay-altered fault; >30% quartz vn frags w/ some quartz-sulphide frags; possible AsPy (white sulphide)	75.1	45.9	0.1	2.2
100-110			DIORITE	20-30% quartz vn frags w/ some quartz-sulphide frags	53.7	5.2	0.1	1.3
110-120			DIORITE	10% quartz vn frags; minor clay balls	60.1	20	<0.1	1.8

End of hole at 120 ft.

**Orestone Mining Corp.**

**Hole No: PDH 09-27**

**Captain Property**

**2009 Percussion Drill Hole Record**

Area: NE Captain

Target Coc D

IP Survey L Placer grid

UTM Coordinates (NAD 83 - Zone 10):

North: 6089221

East: 445720

Elevation: 1002

Azimuth: 270

Dip: 70

Casing (ft.): 20

Hole Size: 2" dia.

Total Depth: 98.5

Date Start: 05-Aug-09

Date Comp: 05-Aug-09

Logged By: B. Bowen

Purpose: Hole designed to test a strong, coincident, northerly-trending Au-As soil anomaly on the east flank of a weak to moderate (~10 mV/V) chargeability anomaly and the east flank of a strong resistivity anomaly

Interval (feet)	Recovery (%)	Contam. (%)	Lithology	Alteration/Mineralization	Analyses			
					ppm Cu	ppb Au	ppm Ag	ppm Mo
0-14	n/a	n/a	OVERBURDEN					
14-20			DIORITE	Propylitically-altered to relatively fresh; very few quartz vn frags	86.5	8.8	<0.1	2.5
20-30			DIORITE	As per 14-20	89.9	3.9	<0.1	1.2
30-40			DIORITE	As per 14-20	93.6	7.2	<0.1	2.2
40-50			DIORITE	As per 14-20	94.4	5.4	<0.1	5.3
50-60			DIORITE	As per 14-20	121.2	4.2	<0.1	1.7
60-70			DIORITE	As per 14-20	74.5	11.6	<0.1	1.3
70-80			DIORITE	Increase in epidote alteration	67.8	5.1	<0.1	1.4
80-90			DIORITE	As per 70-80	74.7	12.9		0.1
90-98.5			DIORITE	10-15% quartz vn or quartz-sulphide frags; Cp observed in some quartz-sulphide frags; rods stuck @ 98.5 - hole shut down	69.4	18.5	<0.1	2.4

End of hole at 98.5 ft.



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**Client:** Orestone Mining Corp.  
 975 - 163rd Street  
 Surrey BC V4A 9T8 Canada

Submitted By: B.K. (Barney) Bowen  
 Receiving Lab: Canada-Vancouver  
 Received: July 20, 2009  
 Report Date: July 29, 2009  
 Page: 1 of 3

CERTIFICATE OF ANALYSIS

VAN09003006.1

CLIENT JOB INFORMATION

Project: CAPTAIN  
 Shipment ID: #1  
 P.O. Number  
 Number of Samples: 50

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200	50	Crush, split and pulverize rock to 200 mesh			VAN
1DX15	50	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
 DISP-RJT Dispose of Reject After 90 days

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Orestone Mining Corp.  
 975 - 163rd Street  
 Surrey BC V4A 9T8  
 Canada

CC: Gordon Richards



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Client: **Orestone Mining Corp.**  
 975 - 163rd Street  
 Surrey BC V4A 9T8 Canada

Project: CAPTAIN  
 Report Date: July 29, 2009

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

VAN09003006.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
P02-09-60-70A	Rock		2.9	158.4	3.8	76	0.1	30.7	14.2	649	5.18	10.0	0.5	24.7	0.9	55	<0.1	0.4	<0.1	129	0.43
P02-09-70-80A	Rock		1.9	137.6	3.4	63	0.2	39.3	34.0	549	6.12	4.8	0.4	36.7	0.7	33	<0.1	0.4	<0.1	135	0.41
P02-09-80-90A	Rock		2.7	168.0	4.1	100	0.2	53.5	40.9	881	7.27	3.0	0.8	20.8	0.9	29	<0.1	0.4	0.1	182	0.46
P02-09-90-100A	Rock		1.1	161.2	4.5	76	0.2	40.4	45.7	909	7.34	5.3	0.4	34.2	0.8	24	<0.1	0.3	<0.1	158	0.47
P02-09-100-110A	Rock		1.1	154.9	2.4	67	0.1	39.3	46.7	1158	7.54	3.2	0.3	12.4	0.6	23	<0.1	0.3	<0.1	150	0.52
P02-09-110-120A	Rock		1.3	132.7	2.4	65	0.1	36.8	41.0	1245	6.34	5.2	0.3	25.6	0.7	35	<0.1	0.4	<0.1	163	1.73
P05-09-40-50A	Rock		2.1	75.8	0.9	70	<0.1	26.4	25.1	615	4.08	44.4	0.1	3.0	0.4	98	<0.1	1.0	<0.1	116	2.74
P05-09-50-60A	Rock		2.1	100.6	1.0	70	<0.1	26.5	28.0	721	5.02	131.1	0.1	3.3	0.4	162	<0.1	3.1	<0.1	145	2.88
P05-09-60-70A	Rock		14.6	92.1	2.5	89	0.2	24.0	28.0	1017	4.98	9.8	0.5	13.6	1.4	250	0.1	1.9	0.1	165	3.35
P05-09-70-80A	Rock		6.9	101.7	2.1	96	0.3	37.5	21.7	761	4.14	186.7	0.3	1.8	0.7	134	0.2	13.8	<0.1	105	3.06
P05-09-80-90A	Rock		2.9	67.4	2.0	45	<0.1	26.7	18.7	594	3.79	80.8	0.2	3.4	0.6	98	0.1	6.1	<0.1	110	2.27
P05-09-90-100A	Rock		3.1	101.7	1.4	38	<0.1	28.3	24.7	538	4.22	84.2	0.2	2.4	0.7	100	<0.1	5.6	<0.1	116	2.41
P05-09-100-110A	Rock		3.6	80.4	1.6	36	<0.1	28.8	24.1	519	4.31	69.9	0.2	1.4	0.6	101	<0.1	4.7	<0.1	118	2.44
P09-05-30-40A	Rock		14.4	99.8	1.1	59	0.2	28.5	28.2	769	4.92	2.8	0.3	5.5	0.7	122	<0.1	0.7	<0.1	178	2.20
P06-09-40-50A	Rock		19.3	127.8	5.3	75	0.3	36.0	33.0	1078	5.79	9.7	0.6	26.3	1.1	115	0.1	0.8	0.1	179	3.08
P06-09-50-60A	Rock		20.4	109.0	2.8	73	0.3	21.0	29.5	884	4.59	6.8	0.6	9.8	1.4	147	<0.1	0.7	0.2	133	2.87
P06-09-60-70A	Rock		2.1	40.3	2.4	46	0.1	20.0	18.4	778	4.09	9.0	0.3	4.0	1.0	182	<0.1	1.0	<0.1	157	3.30
P07-09-40-50A	Rock		3.2	102.3	3.1	46	0.5	44.3	16.6	590	3.26	13.5	0.4	9.8	1.0	108	0.3	1.0	<0.1	92	2.39
P07-09-50-60A	Rock		5.1	85.4	4.0	46	0.2	56.3	23.1	587	3.74	21.2	0.3	11.6	0.9	115	0.2	1.1	<0.1	98	2.43
P07-09-60-70A	Rock		2.7	71.5	3.0	36	0.2	42.2	21.0	532	3.46	26.1	0.3	12.3	0.7	103	0.1	0.8	<0.1	91	2.39
P07-09-70-80A	Rock		2.2	55.7	3.1	40	<0.1	40.5	20.8	556	3.56	26.3	0.3	11.9	0.8	100	0.2	1.0	<0.1	95	2.41
P07-09-80-90A	Rock		2.8	36.5	4.4	41	<0.1	32.4	13.2	570	3.08	40.1	0.4	24.1	1.1	99	0.3	1.0	<0.1	87	2.38
P07-09-90-100A	Rock		2.6	41.3	4.3	47	<0.1	31.5	13.7	576	3.19	20.7	0.4	8.9	1.2	89	0.3	0.9	<0.1	85	2.06
P08-09-50-60A	Rock		1.8	45.3	8.4	67	0.6	42.2	11.8	707	3.09	7.8	0.5	2.7	1.7	67	0.7	0.7	<0.1	85	1.60
P08-09-60-70A	Rock		1.5	42.6	5.3	61	0.1	41.6	11.4	683	2.87	7.3	0.5	<0.5	1.4	66	0.4	0.6	<0.1	76	1.74
P08-09-70-80A	Rock		1.4	53.2	4.2	60	0.1	31.8	11.2	646	3.12	5.5	0.4	1.3	1.3	63	0.4	0.6	<0.1	90	1.46
P08-09-80-90A	Rock		1.5	49.5	3.9	55	0.1	28.6	10.5	603	3.03	4.9	0.5	<0.5	1.2	68	0.3	0.6	<0.1	90	1.56
P09-09-40-50A	Rock		2.1	98.1	3.6	41	0.3	5.4	17.7	1252	3.86	22.7	0.3	7.7	0.8	121	0.1	0.9	<0.1	123	2.96
P09-09-50-60A	Rock		2.8	86.5	3.9	43	0.6	8.6	19.5	915	4.13	56.6	0.3	6.2	0.9	196	0.3	1.2	<0.1	127	3.27
P09-09-60-70A	Rock		2.9	57.9	4.7	36	0.2	10.5	19.2	674	4.41	42.5	0.3	9.3	0.8	152	<0.1	0.8	<0.1	91	2.28

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.





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Client: **Orestone Mining Corp.**  
 975 - 163rd Street  
 Surrey BC V4A 9T8 Canada

Project: CAPTAIN  
 Report Date: July 29, 2009

Page: 2 of 3 Part 2

CERTIFICATE OF ANALYSIS

VAN09003006.1

Method Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
MDL		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5
P02-09-60-70A	Rock	0.119	6	66	2.08	114	0.022	2	2.80	0.015	0.14	<0.1	0.02	7.1	<0.1	0.10	8	2.9
P02-09-70-80A	Rock	0.164	4	59	1.96	35	0.023	<1	1.77	0.023	0.16	0.3	0.02	8.0	<0.1	4.38	6	27.6
P02-09-80-90A	Rock	0.205	6	83	3.00	20	0.011	<1	2.38	0.025	0.14	1.0	0.04	9.7	<0.1	5.17	10	10.9
P02-09-90-100A	Rock	0.209	4	64	2.65	26	0.009	<1	2.28	0.022	0.11	0.2	0.04	8.1	<0.1	5.05	9	5.4
P02-09-100-110A	Rock	0.208	3	66	2.91	29	0.008	<1	2.59	0.027	0.14	0.1	0.03	7.2	<0.1	5.02	9	4.0
P02-09-110-120A	Rock	0.189	4	70	2.84	38	0.008	<1	2.35	0.021	0.11	0.2	0.03	8.6	<0.1	3.76	9	3.1
P05-09-40-50A	Rock	0.133	2	35	1.88	145	0.144	3	1.99	0.043	0.85	0.8	0.04	6.4	0.2	0.67	6	<0.5
P05-09-50-60A	Rock	0.143	2	36	2.19	165	0.151	1	2.39	0.044	1.07	0.3	0.11	8.7	0.2	1.07	7	<0.5
P05-09-60-70A	Rock	0.150	7	44	1.89	195	0.230	2	2.25	0.098	1.13	0.5	1.42	7.9	0.2	0.82	8	0.6
P05-09-70-80A	Rock	0.122	5	61	1.43	155	0.131	2	1.83	0.047	0.66	0.6	0.85	6.4	0.3	1.06	5	<0.5
P05-09-80-90A	Rock	0.128	3	35	1.58	150	0.137	2	1.87	0.051	0.82	0.5	0.51	5.1	0.2	0.69	6	0.5
P05-09-90-100A	Rock	0.129	3	34	1.60	133	0.158	3	1.93	0.065	0.80	0.5	0.35	5.1	0.2	1.20	6	0.8
P05-09-100-110A	Rock	0.136	3	38	1.65	133	0.154	2	2.04	0.074	0.84	0.6	0.28	5.1	0.2	1.20	6	0.8
P09-05-30-40A	Rock	0.127	4	46	2.31	314	0.235	2	2.60	0.079	1.58	0.5	0.23	6.4	0.2	0.28	8	<0.5
P06-09-40-50A	Rock	0.127	6	78	2.65	250	0.237	1	2.49	0.035	1.83	0.4	1.40	9.9	0.2	0.64	9	1.0
P06-09-50-60A	Rock	0.145	7	41	1.71	123	0.171	<1	1.72	0.045	1.11	0.4	1.11	6.9	0.2	1.18	7	1.0
P06-09-60-70A	Rock	0.117	7	31	1.46	161	0.204	<1	1.81	0.057	0.66	0.5	2.66	6.0	<0.1	0.26	8	<0.5
P07-09-40-50A	Rock	0.123	5	75	1.66	100	0.149	3	1.91	0.046	0.35	0.6	0.09	4.7	0.1	0.45	6	1.1
P07-09-50-60A	Rock	0.126	4	97	1.81	90	0.161	2	1.91	0.064	0.51	1.6	0.08	4.6	0.2	1.12	6	0.9
P07-09-60-70A	Rock	0.123	3	82	1.69	70	0.145	1	1.77	0.065	0.63	0.9	0.07	4.0	0.2	1.27	6	1.1
P07-09-70-80A	Rock	0.118	4	71	1.70	84	0.139	3	1.68	0.063	0.56	0.4	0.06	4.5	0.2	1.39	6	1.0
P07-09-80-90A	Rock	0.100	6	44	1.06	92	0.125	2	1.32	0.048	0.26	0.6	0.05	4.0	0.1	0.87	5	0.8
P07-09-90-100A	Rock	0.114	6	40	1.16	147	0.131	4	1.40	0.047	0.29	0.4	0.06	4.4	0.1	0.85	6	0.6
P08-09-50-60A	Rock	0.097	11	39	1.18	217	0.120	3	1.58	0.043	0.13	0.4	0.09	5.3	<0.1	0.06	6	0.7
P08-09-60-70A	Rock	0.092	8	37	1.10	199	0.109	3	1.45	0.039	0.12	0.6	0.06	4.9	0.1	0.05	5	0.6
P08-09-70-80A	Rock	0.098	7	38	1.12	195	0.137	1	1.66	0.052	0.14	0.4	0.06	4.8	<0.1	<0.05	6	<0.5
P08-09-80-90A	Rock	0.100	7	36	1.07	195	0.134	2	1.62	0.051	0.14	0.8	0.05	4.8	<0.1	<0.05	6	<0.5
P09-09-40-50A	Rock	0.140	7	6	1.42	38	0.139	3	1.75	0.058	0.16	0.7	0.03	4.3	<0.1	1.27	7	<0.5
P09-09-50-60A	Rock	0.142	7	13	1.41	37	0.142	4	1.75	0.045	0.17	0.8	0.04	4.2	<0.1	1.61	8	<0.5
P09-09-60-70A	Rock	0.138	7	19	1.41	27	0.094	<1	1.35	0.049	0.09	0.9	0.08	2.7	<0.1	3.59	6	0.6

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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 975 - 163rd Street  
 Surrey BC V4A 9T8 Canada

Project: CAPTAIN  
 Report Date: July 29, 2009

Page: 3 of 3 Part 1

CERTIFICATE OF ANALYSIS

VAN09003006.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
P09-09-70-80A	Rock		2.3	55.6	4.5	38	0.2	4.6	17.4	676	4.32	37.8	0.3	4.9	0.9	88	0.1	0.7	<0.1	94	2.61
P09-09-80-90A	Rock		1.3	102.3	4.4	66	0.2	28.6	25.1	1177	5.31	33.7	0.3	3.8	0.8	127	0.1	0.6	<0.1	157	4.47
P10-09-60-70A	Rock		1.1	52.9	5.6	52	<0.1	35.7	21.2	690	3.38	76.4	0.2	19.0	0.5	88	0.3	3.1	<0.1	115	4.01
P10-09-70-80A	Rock		2.3	46.3	9.5	69	0.1	33.9	23.6	642	3.04	53.8	0.2	25.5	0.5	87	0.4	2.6	0.1	104	4.11
P10-09-80-90A	Rock		2.4	38.1	5.0	68	<0.1	37.1	23.1	690	3.24	38.0	0.2	18.8	0.5	111	0.3	1.9	0.1	106	3.62
P10-09-90-100A	Rock		1.7	46.0	4.2	74	<0.1	41.9	32.4	736	3.54	34.6	0.2	22.4	0.6	95	0.3	1.6	0.2	110	2.77
P11-09-70-80A	Rock		2.2	50.4	3.7	69	<0.1	28.6	13.8	712	3.27	4.9	0.5	2.2	1.5	105	0.3	0.8	<0.1	101	1.84
P11-09-80-90A	Rock		2.2	53.6	2.8	61	<0.1	27.9	15.5	652	3.58	2.8	0.4	<0.5	1.3	106	0.2	0.5	<0.1	114	1.87
P11-09-90-100A	Rock		1.9	62.1	2.8	60	<0.1	30.5	16.0	718	3.68	1.9	0.4	<0.5	1.4	124	0.3	0.5	<0.1	116	1.89
P12-09-70-80A	Rock		2.2	51.8	4.9	62	<0.1	32.4	11.5	593	2.77	5.5	0.5	1.2	1.5	53	0.3	0.9	<0.1	87	0.82
P12-09-80-90A	Rock		2.4	51.1	4.4	58	<0.1	31.3	10.8	551	2.67	4.8	0.5	<0.5	1.4	50	0.2	0.8	<0.1	83	0.74
P12-09-90-100A	Rock		2.1	55.2	4.6	64	<0.1	31.0	11.1	555	2.72	5.4	0.5	7.6	1.5	50	0.3	0.9	<0.1	85	0.73
P13-09-20-30A	Rock		2.7	71.4	5.0	76	0.6	39.7	14.4	905	3.28	6.1	0.6	1.8	1.9	85	0.5	1.0	<0.1	102	1.83
P13-09-30-40A	Rock		1.8	61.5	4.9	72	<0.1	30.6	13.5	866	3.21	4.8	0.6	<0.5	1.9	92	0.4	0.8	<0.1	100	2.04
P13-09-40-50A	Rock		2.0	61.2	5.3	69	<0.1	31.8	14.2	843	3.31	4.7	0.6	<0.5	1.9	96	0.4	0.8	<0.1	103	2.13
P13-09-50-60A	Rock		2.1	67.2	5.0	80	<0.1	39.0	17.3	796	3.78	5.8	0.6	0.8	1.7	69	0.4	0.9	<0.1	119	1.81
P13-09-60-70A	Rock		1.8	97.8	3.8	88	<0.1	33.5	24.9	1156	5.39	5.0	0.6	1.6	1.5	71	0.2	0.4	<0.1	164	1.68
P13-09-70-80A	Rock		0.7	89.9	2.5	78	<0.1	22.8	24.6	1023	5.53	1.4	0.6	<0.5	1.2	64	<0.1	0.2	<0.1	153	2.41
P13-09-80-90A	Rock		0.7	98.4	1.6	77	<0.1	18.9	24.0	885	5.28	2.0	0.5	<0.5	1.0	66	0.1	0.2	<0.1	148	2.53
P13-09-90-100A	Rock		0.9	82.3	1.5	72	<0.1	17.7	22.8	921	4.79	2.8	0.4	<0.5	0.9	63	<0.1	0.3	<0.1	144	3.23



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Project: CAPTAIN  
 Report Date: July 29, 2009

Page: 3 of 3 Part 2

CERTIFICATE OF ANALYSIS

VAN09003006.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	
P09-09-70-80A	Rock	0.169	8	4	1.23	20	0.091	2	1.30	0.041	0.12	0.5	0.08	2.1	<0.1	3.34	7	<0.5
P09-09-80-90A	Rock	0.145	7	69	2.31	26	0.107	1	2.20	0.051	0.11	0.4	0.11	7.9	<0.1	2.72	8	0.5
P10-09-60-70A	Rock	0.151	3	107	1.94	42	0.153	2	1.81	0.029	0.40	0.5	0.02	7.7	<0.1	0.69	6	0.8
P10-09-70-80A	Rock	0.146	3	102	1.74	44	0.160	1	1.72	0.028	0.37	0.7	0.02	6.7	<0.1	0.76	6	<0.5
P10-09-80-90A	Rock	0.150	3	123	2.03	53	0.172	5	2.02	0.032	0.49	0.8	<0.01	6.1	0.1	0.87	6	0.9
P10-09-90-100A	Rock	0.140	3	121	2.27	64	0.189	2	1.88	0.044	0.74	0.4	<0.01	6.2	0.2	1.33	6	1.4
P11-09-70-80A	Rock	0.117	11	40	1.18	240	0.140	4	1.69	0.057	0.39	0.2	0.11	4.8	<0.1	<0.05	6	0.6
P11-09-80-90A	Rock	0.118	10	39	1.53	230	0.140	3	1.96	0.062	0.53	0.2	0.09	5.4	<0.1	<0.05	6	0.7
P11-09-90-100A	Rock	0.122	10	44	1.56	238	0.148	3	2.00	0.066	0.58	0.1	0.09	5.3	<0.1	<0.05	6	<0.5
P12-09-70-80A	Rock	0.082	10	39	0.79	159	0.114	3	1.41	0.036	0.13	0.2	0.07	4.6	<0.1	<0.05	5	0.5
P12-09-80-90A	Rock	0.082	9	42	0.78	135	0.102	4	1.34	0.037	0.12	0.2	0.05	4.1	<0.1	<0.05	5	0.6
P12-09-90-100A	Rock	0.088	10	41	0.78	150	0.108	3	1.38	0.033	0.12	0.1	0.07	4.4	<0.1	<0.05	5	<0.5
P13-09-20-30A	Rock	0.125	14	44	1.07	193	0.142	6	1.75	0.050	0.16	1.5	0.11	5.7	<0.1	0.07	6	1.2
P13-09-30-40A	Rock	0.137	14	34	1.08	176	0.151	5	1.63	0.045	0.14	0.8	0.07	5.3	<0.1	0.08	6	0.9
P13-09-40-50A	Rock	0.129	12	37	1.16	173	0.150	5	1.74	0.049	0.13	0.7	0.06	5.3	<0.1	0.07	6	1.2
P13-09-50-60A	Rock	0.116	10	41	1.17	134	0.177	5	1.91	0.046	0.13	1.0	0.06	6.3	0.1	0.07	7	0.9
P13-09-60-70A	Rock	0.141	8	49	1.52	70	0.205	4	2.38	0.027	0.08	0.5	0.01	10.8	<0.1	<0.05	9	0.7
P13-09-70-80A	Rock	0.160	8	27	1.49	31	0.180	4	2.43	0.023	0.05	0.2	<0.01	7.9	<0.1	<0.05	9	0.5
P13-09-80-90A	Rock	0.146	6	17	1.34	26	0.191	4	2.25	0.024	0.04	0.2	<0.01	8.1	<0.1	<0.05	9	0.6
P13-09-90-100A	Rock	0.143	6	18	1.14	24	0.203	3	2.20	0.024	0.04	0.2	<0.01	6.9	<0.1	0.06	8	0.6



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Project: CAPTAIN  
 Report Date: July 29, 2009

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

VAN09003006.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																				
P10-09-60-70A	Rock	1.1	52.9	5.6	52	<0.1	35.7	21.2	690	3.38	76.4	0.2	19.0	0.5	88	0.3	3.1	<0.1	115	4.01
REP P10-09-60-70A	QC	1.1	54.1	5.5	52	0.1	36.6	21.3	696	3.40	76.8	0.2	20.0	0.6	90	0.4	3.2	0.1	116	3.96
P11-09-70-80A	Rock	2.2	50.4	3.7	69	<0.1	28.6	13.8	712	3.27	4.9	0.5	2.2	1.5	105	0.3	0.8	<0.1	101	1.84
REP P11-09-70-80A	QC	2.0	50.5	3.9	69	<0.1	28.0	13.6	699	3.29	4.7	0.5	5.1	1.5	104	0.3	0.8	<0.1	103	1.85
Reference Materials																				
STD DS7	Standard	19.8	102.1	66.6	376	0.9	52.3	8.6	591	2.32	49.7	4.8	144.0	4.2	73	6.4	5.8	4.5	80	0.92
STD DS7	Standard	20.6	103.4	65.4	380	0.8	54.8	9.0	618	2.43	52.5	4.8	63.8	4.1	75	6.2	5.8	4.6	84	0.98
STD DS7	Standard	20.7	108.8	69.4	393	0.6	58.2	9.5	637	2.43	48.5	5.2	77.0	4.7	79	6.3	6.1	4.8	84	1.00
STD DS7	Standard	19.1	106.7	62.0	340	0.8	53.3	9.1	577	2.32	47.3	4.8	66.8	4.1	71	5.9	5.6	4.5	82	0.96
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																				
G1	Prep Blank	0.2	15.5	4.9	49	<0.1	3.9	4.3	531	1.97	<0.5	2.3	<0.5	3.2	52	<0.1	<0.1	<0.1	38	0.54
G1	Prep Blank	0.2	2.8	2.3	46	<0.1	3.8	4.4	532	1.95	<0.5	2.3	<0.5	3.5	57	<0.1	<0.1	<0.1	37	0.54



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Project: CAPTAIN

Report Date: July 29, 2009

Page: 1 of 1 Part 2

# QUALITY CONTROL REPORT

VAN09003006.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																		
P10-09-60-70A	Rock	0.151	3	107	1.94	42	0.153	2	1.81	0.029	0.40	0.5	0.02	7.7	<0.1	0.69	6	0.8
REP P10-09-60-70A	QC	0.153	3	110	1.92	44	0.165	3	1.81	0.031	0.41	0.5	0.01	8.2	0.1	0.68	7	0.8
P11-09-70-80A	Rock	0.117	11	40	1.18	240	0.140	4	1.69	0.057	0.39	0.2	0.11	4.8	<0.1	<0.05	6	0.6
REP P11-09-70-80A	QC	0.117	11	40	1.24	235	0.138	3	1.69	0.059	0.40	0.2	0.12	4.8	<0.1	<0.05	6	0.7
Reference Materials																		
STD DS7	Standard	0.075	13	193	1.01	392	0.117	38	1.00	0.088	0.43	3.8	0.22	2.5	4.1	0.18	5	3.4
STD DS7	Standard	0.079	13	194	1.04	400	0.125	41	1.03	0.098	0.46	3.9	0.22	2.6	3.9	0.18	5	3.8
STD DS7	Standard	0.075	14	214	1.05	403	0.139	42	1.08	0.095	0.44	3.9	0.18	2.6	4.1	0.19	5	4.0
STD DS7	Standard	0.070	13	195	1.01	360	0.124	40	1.04	0.090	0.42	3.3	0.19	2.3	3.7	0.19	4	3.2
STD DS7 Expected		0.08	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
Prep Wash																		
G1	Prep Blank	0.082	6	10	0.62	251	0.130	2	1.09	0.079	0.56	<0.1	0.02	2.4	0.4	<0.05	5	<0.5
G1	Prep Blank	0.081	7	11	0.60	256	0.135	1	1.09	0.079	0.57	<0.1	<0.01	2.5	0.4	<0.05	5	<0.5



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Submitted By: B.K. (Barney) Bowen  
 Receiving Lab: Canada-Vancouver  
 Received: August 08, 2009  
 Report Date: August 27, 2009  
 Page: 1 of 4

CERTIFICATE OF ANALYSIS

VAN09003431.1

CLIENT JOB INFORMATION

Project: CAPTAIN  
 Shipment ID:  
 P.O. Number  
 Number of Samples: 87

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200	87	Crush, split and pulverize rock to 200 mesh			VAN
1DX15	87	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
 DISP-RJT Dispose of Reject After 90 days

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Orestone Mining Corp.  
 975 - 163rd Street  
 Surrey BC V4A 9T8  
 Canada

CC:



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: CAPTAIN  
 Report Date: August 27, 2009

Page: 2 of 4 Part 1

CERTIFICATE OF ANALYSIS

VAN09003431.1

Method Analyte Unit MDL	WGHT Wgt kg	1DX15 Mo ppm	1DX15 Cu ppm	1DX15 Pb ppm	1DX15 Zn ppm	1DX15 Ag ppm	1DX15 Ni ppm	1DX15 Co ppm	1DX15 Mn ppm	1DX15 Fe %	1DX15 As ppm	1DX15 U ppm	1DX15 Au ppb	1DX15 Th ppm	1DX15 Sr ppm	1DX15 Cd ppm	1DX15 Sb ppm	1DX15 Bi ppm	1DX15 V ppm	1DX15 Ca %	
P09-13 30-40A	Rock		1.6	62.4	4.4	76	0.3	33.1	14.2	855	3.29	6.6	0.6	3.5	1.9	87	0.5	0.7	0.1	101	2.08
P09-14 70-80A	Rock		2.9	48.2	3.0	49	0.1	34.6	9.7	479	2.64	4.6	0.4	1.5	1.3	39	0.2	0.4	0.1	79	0.76
P09-15 30-40A	Rock		1.5	60.9	4.8	64	0.1	46.2	13.5	693	3.35	5.1	0.5	1.5	1.5	69	0.3	0.4	0.1	90	1.61
P09-15 40-50A	Rock		1.4	69.0	7.5	59	0.1	28.6	11.4	669	3.14	5.0	0.5	1.8	1.3	66	0.2	0.5	0.1	90	1.55
P09-15 50-60A	Rock		1.9	66.2	3.5	57	0.1	33.1	14.1	665	3.36	4.9	0.4	2.7	1.3	72	0.3	0.3	0.1	102	1.61
P09-15 60-70A	Rock		2.0	74.2	6.8	50	0.2	28.5	13.3	589	3.24	4.2	0.4	1.1	1.1	62	0.3	0.3	<0.1	96	1.33
P09-15 70-80A	Rock		5.0	60.9	3.3	50	0.2	34.9	12.4	539	3.04	3.8	0.4	1.9	1.2	72	0.2	0.3	<0.1	91	1.30
P09-16 80-90A	Rock		3.6	73.5	4.5	56	0.2	29.1	12.8	580	3.31	4.8	0.4	1.3	1.2	57	0.2	0.4	<0.1	101	1.01
P09-16 90-100A	Rock		2.5	70.2	5.2	57	0.1	29.4	13.0	593	3.37	5.2	0.4	2.2	1.3	71	0.2	0.5	<0.1	104	1.12
P09-17 40-50A	Rock		1.3	74.1	4.6	61	<0.1	59.0	24.9	737	4.37	6.6	0.1	3.1	0.5	69	0.2	0.7	<0.1	115	1.90
P09-17 50-60A	Rock		1.8	69.5	2.7	55	<0.1	63.1	24.9	643	3.76	2.4	0.1	1.2	0.4	108	<0.1	0.8	<0.1	84	1.47
P09-17 60-70A	Rock		3.5	79.2	3.0	51	<0.1	83.2	27.8	591	3.64	5.1	0.2	<0.5	0.3	59	<0.1	0.6	<0.1	75	1.79
P09-17 70-80A	Rock		3.5	73.2	5.2	50	<0.1	65.2	25.5	620	3.74	5.3	0.2	0.7	0.4	78	0.1	0.8	<0.1	87	2.15
P09-17 80-90A	Rock		2.9	81.8	4.4	57	0.1	94.5	33.9	875	4.73	7.0	0.1	10.3	0.3	111	0.2	0.6	<0.1	117	4.52
P09-17 90-100A	Rock		1.8	85.4	3.5	54	<0.1	88.9	27.3	649	3.88	2.8	0.2	4.5	0.3	55	0.2	0.4	<0.1	81	2.39
P09-17 100-110A	Rock		2.6	88.0	9.1	70	<0.1	92.4	28.1	730	3.67	5.7	0.1	9.7	0.2	43	0.3	0.4	<0.1	83	2.01
P09-18 50-60A	Rock		1.9	64.8	5.5	67	0.1	39.5	14.9	725	3.36	8.0	0.5	3.0	1.3	69	0.4	0.7	<0.1	99	1.73
P09-18 60-70A	Rock		2.3	57.3	4.1	61	0.1	33.9	12.9	663	3.16	6.1	0.4	1.6	1.2	56	0.2	0.6	<0.1	93	1.38
P09-18 70-80A	Rock		6.7	50.7	4.8	52	0.1	40.4	12.3	575	2.98	9.6	0.5	2.7	1.5	68	0.3	0.7	0.2	91	1.44
P09-18 80-90A	Rock		6.2	52.2	3.5	49	<0.1	37.1	12.2	577	3.03	6.3	0.4	3.0	1.2	66	0.3	0.5	<0.1	94	1.40
P09-18 90-100A	Rock		4.5	49.1	3.5	48	0.1	31.7	11.3	537	2.88	5.2	0.4	1.0	1.2	59	0.2	0.5	<0.1	87	1.32
P09-18 100-110A	Rock		4.1	54.1	3.6	52	0.1	28.9	11.9	553	2.96	5.9	0.4	0.9	1.2	54	0.1	0.5	<0.1	90	1.23
P09-19 80-90A	Rock		0.9	46.3	1.9	34	<0.1	19.4	16.1	619	3.32	7.6	0.2	3.2	0.9	105	0.1	0.4	<0.1	96	2.10
P09-19 90-100A	Rock		1.7	36.3	1.6	34	<0.1	19.1	16.1	624	3.39	8.5	0.2	14.9	1.0	109	0.1	0.3	<0.1	96	2.01
P09-20 60-70A	Rock		1.6	72.8	3.3	46	0.1	31.9	16.9	591	3.39	13.4	0.5	3.6	1.3	83	0.3	0.5	0.1	94	1.76
P09-20 70-80A	Rock		1.0	64.9	2.7	44	0.1	27.1	15.8	599	3.24	8.9	0.3	6.0	0.9	102	0.3	0.5	<0.1	90	1.98
P09-20 80-90A	Rock		1.5	73.2	3.5	49	0.1	32.2	18.3	607	3.40	12.9	0.3	4.9	1.1	116	0.3	0.7	<0.1	89	1.96
P09-20 90-100A	Rock		1.6	70.5	3.3	43	0.1	34.1	18.4	569	3.45	17.2	0.3	6.1	1.0	112	0.3	0.7	0.2	92	2.05
P09-20 100-110A	Rock		1.3	85.6	2.8	46	0.2	48.7	25.8	613	4.03	21.3	0.3	9.9	0.8	81	0.2	0.6	0.1	107	1.64
P09-20 110-120A	Rock		1.1	101.4	2.0	45	0.2	59.0	30.8	560	4.38	32.1	0.2	13.0	0.5	52	0.2	1.1	<0.1	114	1.01

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Project: CAPTAIN  
 Report Date: August 27, 2009

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CERTIFICATE OF ANALYSIS

VAN09003431.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
P09-13 30-40A	Rock	0.135	13	37	1.11	173	0.139	4	1.69	0.039	0.14	0.7	0.07	5.7	<0.1	0.07	6	<0.5
P09-14 70-80A	Rock	0.080	6	47	0.81	114	0.111	4	1.40	0.050	0.11	0.4	0.03	4.1	<0.1	<0.05	5	<0.5
P09-15 30-40A	Rock	0.096	8	48	1.11	153	0.126	5	1.70	0.060	0.17	0.5	0.03	4.7	<0.1	<0.05	5	<0.5
P09-15 40-50A	Rock	0.102	7	44	1.09	195	0.136	9	1.71	0.055	0.14	0.4	0.04	4.7	<0.1	<0.05	6	<0.5
P09-15 50-60A	Rock	0.108	7	45	1.19	180	0.161	2	2.04	0.080	0.19	0.4	0.03	5.0	<0.1	<0.05	7	<0.5
P09-15 60-70A	Rock	0.110	6	44	1.09	150	0.140	12	1.81	0.062	0.18	0.4	0.02	4.1	<0.1	<0.05	6	<0.5
P09-15 70-80A	Rock	0.114	6	65	0.99	147	0.136	2	1.67	0.068	0.20	0.6	0.02	4.1	<0.1	<0.05	6	0.7
P09-16 80-90A	Rock	0.109	6	49	1.03	138	0.136	3	1.73	0.044	0.15	0.4	0.02	4.4	<0.1	<0.05	6	<0.5
P09-16 90-100A	Rock	0.112	7	49	1.06	172	0.154	3	1.93	0.074	0.20	0.4	0.02	5.0	<0.1	<0.05	7	<0.5
P09-17 40-50A	Rock	0.117	3	103	2.55	29	0.158	12	2.72	0.022	0.05	0.3	<0.01	6.6	<0.1	<0.05	8	<0.5
P09-17 50-60A	Rock	0.105	3	52	2.00	29	0.194	6	2.49	0.052	0.05	0.4	<0.01	3.2	<0.1	0.06	6	<0.5
P09-17 60-70A	Rock	0.102	2	71	2.08	21	0.186	7	2.63	0.029	0.04	0.4	<0.01	2.8	<0.1	0.12	6	<0.5
P09-17 70-80A	Rock	0.108	2	84	2.05	25	0.214	9	2.51	0.032	0.05	0.4	<0.01	4.0	<0.1	0.15	6	<0.5
P09-17 80-90A	Rock	0.104	2	154	3.32	46	0.166	2	2.84	0.018	0.10	0.2	<0.01	11.2	<0.1	0.52	8	<0.5
P09-17 90-100A	Rock	0.102	2	91	2.33	33	0.196	4	2.50	0.020	0.07	0.2	<0.01	3.8	<0.1	0.22	7	<0.5
P09-17 100-110A	Rock	0.093	1	64	2.20	27	0.183	1	2.59	0.019	0.05	0.2	<0.01	3.4	<0.1	0.22	6	<0.5
P09-18 50-60A	Rock	0.104	8	53	1.17	201	0.135	5	1.81	0.058	0.19	0.3	0.08	5.6	<0.1	0.05	6	0.6
P09-18 60-70A	Rock	0.102	7	47	1.11	152	0.130	4	1.66	0.042	0.14	0.2	0.07	4.9	<0.1	<0.05	6	<0.5
P09-18 70-80A	Rock	0.103	8	75	0.92	123	0.136	5	1.48	0.067	0.15	0.6	0.07	4.8	<0.1	<0.05	5	<0.5
P09-18 80-90A	Rock	0.102	7	67	0.97	126	0.139	6	1.56	0.068	0.15	0.3	0.06	4.7	<0.1	<0.05	5	<0.5
P09-18 90-100A	Rock	0.100	6	57	0.93	116	0.126	5	1.43	0.054	0.13	0.2	0.04	4.3	<0.1	<0.05	5	<0.5
P09-18 100-110A	Rock	0.100	6	52	0.97	130	0.125	2	1.51	0.034	0.13	0.2	0.04	4.6	<0.1	<0.05	5	<0.5
P09-19 80-90A	Rock	0.114	5	41	1.24	177	0.119	1	1.75	0.031	0.48	0.2	<0.01	5.2	<0.1	0.08	5	<0.5
P09-19 90-100A	Rock	0.119	6	48	1.29	204	0.119	<1	1.85	0.032	0.57	0.3	<0.01	5.3	<0.1	<0.05	6	<0.5
P09-20 60-70A	Rock	0.118	6	61	1.32	139	0.118	2	1.70	0.038	0.18	0.4	0.02	5.2	<0.1	0.17	6	0.7
P09-20 70-80A	Rock	0.112	5	46	1.23	132	0.097	1	1.52	0.044	0.26	0.3	0.02	4.4	<0.1	0.20	5	<0.5
P09-20 80-90A	Rock	0.117	5	57	1.26	127	0.090	2	1.66	0.036	0.19	0.3	0.03	4.7	<0.1	0.18	5	0.5
P09-20 90-100A	Rock	0.113	5	62	1.40	115	0.084	2	1.67	0.037	0.20	0.3	0.04	5.3	<0.1	0.17	6	0.8
P09-20 100-110A	Rock	0.114	5	94	1.66	120	0.093	<1	2.06	0.040	0.20	0.3	0.02	6.5	<0.1	0.15	7	<0.5
P09-20 110-120A	Rock	0.128	3	87	1.80	191	0.087	<1	2.30	0.026	0.33	0.3	<0.01	7.1	<0.1	0.06	7	<0.5

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Project: CAPTAIN  
 Report Date: August 27, 2009

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CERTIFICATE OF ANALYSIS

VAN09003431.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
P09-21 50-60A	Rock		1.5	99.6	2.2	44	<0.1	98.9	29.1	511	3.77	7.2	0.2	2.3	0.3	31	<0.1	0.2	<0.1	90	1.04
P09-21 60-70A	Rock		2.9	158.1	2.0	36	<0.1	92.8	31.4	438	3.13	3.9	0.1	<0.5	0.2	40	<0.1	0.4	<0.1	72	1.51
P09-21 70-80A	Rock		1.7	91.2	3.2	42	<0.1	81.1	30.3	667	3.67	6.7	0.2	3.8	0.4	62	<0.1	0.3	<0.1	103	2.82
P09-21 80-90A	Rock		0.8	61.5	1.9	41	0.1	129.1	31.4	580	3.39	15.5	0.2	<0.5	0.3	58	<0.1	0.3	<0.1	86	1.95
P09-21 90-100A	Rock		2.4	113.8	1.2	40	<0.1	41.4	22.5	585	3.12	6.7	0.2	5.2	0.4	64	<0.1	0.4	<0.1	86	1.87
P09-21 100-110A	Rock		2.5	121.3	1.3	52	0.1	66.2	31.5	518	4.08	3.1	0.2	6.1	0.3	28	<0.1	0.2	0.1	74	0.79
P09-21 110-120A	Rock		3.8	117.1	2.0	48	0.1	92.9	36.1	543	4.61	16.7	0.3	3.8	0.4	50	<0.1	1.1	<0.1	93	1.46
P09-21 120-130A	Rock		3.5	88.7	1.8	36	0.1	132.5	35.9	512	3.37	40.1	0.2	35.7	0.5	64	0.1	1.5	<0.1	66	1.80
P09-22 20-30A	Rock		1.1	127.8	1.7	68	<0.1	9.6	23.2	743	3.92	8.9	0.4	2.3	1.1	91	0.1	0.8	<0.1	110	1.92
P09-22 30-40A	Rock		1.2	142.6	1.5	72	<0.1	11.2	24.4	768	3.89	10.1	0.4	0.8	1.1	106	<0.1	1.1	<0.1	113	1.88
P09-22 40-50A	Rock		2.0	158.8	2.5	56	0.8	47.8	26.9	671	3.59	16.1	0.2	1.8	0.6	110	<0.1	1.0	<0.1	98	2.21
P09-22 50-60A	Rock		1.5	116.1	4.0	56	0.9	110.8	30.2	757	4.19	29.3	0.1	13.2	0.4	161	0.2	1.3	<0.1	106	3.05
P09-22 60-70A	Rock		1.2	217.6	6.0	58	1.9	118.4	43.0	1573	5.30	63.5	0.2	6.6	0.4	417	0.1	2.8	<0.1	110	8.62
P09-22 70-80A	Rock		1.3	110.2	2.1	37	0.4	103.4	31.0	592	3.19	16.9	0.2	2.4	0.3	136	<0.1	1.0	<0.1	66	2.80
P09-22 80-90A	Rock		0.9	83.0	0.9	38	0.1	112.8	29.7	451	3.57	10.8	0.1	<0.5	0.4	77	<0.1	0.8	<0.1	86	1.72
P09-22 90-100A	Rock		0.9	96.3	1.0	31	0.1	79.4	27.4	381	3.00	14.0	0.2	0.8	0.4	74	<0.1	1.0	<0.1	71	1.57
P09-23 0-10A	Rock		1.0	121.7	1.5	68	<0.1	60.6	26.3	383	2.42	3.7	0.1	<0.5	0.2	43	0.4	0.3	<0.1	43	1.52
P09-23 10-20A	Rock		2.5	128.5	20.9	154	<0.1	72.8	31.7	433	2.64	5.1	0.1	<0.5	0.3	51	0.2	0.2	<0.1	49	1.57
P09-23 20-30A	Rock		1.3	126.2	0.9	57	<0.1	53.2	26.7	469	2.97	3.3	0.2	1.6	0.4	55	<0.1	0.1	<0.1	70	1.61
P09-23 30-40A	Rock		1.2	127.9	0.7	51	<0.1	40.3	26.3	512	3.66	2.2	0.2	1.6	0.5	61	<0.1	0.1	<0.1	98	1.18
P09-23 40-50A	Rock		1.3	72.3	1.0	53	<0.1	32.3	21.8	701	3.87	3.2	0.3	5.0	0.9	141	<0.1	0.3	<0.1	101	2.67
P09-23 50-60A	Rock		3.6	11.9	1.3	77	<0.1	4.6	6.9	1007	3.76	2.1	0.7	<0.5	2.3	78	0.1	0.2	<0.1	24	1.57
P09-23 60-70A	Rock		3.1	58.8	0.8	71	0.2	4.0	9.0	941	3.80	7.0	0.9	1.1	3.1	69	<0.1	0.5	<0.1	25	1.83
P09-23 70-80A	Rock		1.9	96.9	1.4	60	<0.1	54.7	24.9	514	3.03	9.2	0.2	1.1	0.4	79	0.3	0.2	<0.1	81	1.99
P09-23 80-90A	Rock		1.8	85.3	0.7	58	<0.1	25.2	18.7	604	2.95	4.0	0.4	1.7	0.9	85	0.1	0.2	<0.1	56	1.36
P09-23 90-100A	Rock		2.0	118.9	0.9	46	<0.1	15.7	19.4	534	3.45	2.2	0.3	2.2	1.0	88	0.1	<0.1	<0.1	87	1.28
P09-23 100-110A	Rock		2.5	200.5	1.5	60	<0.1	52.4	27.8	535	3.67	4.6	0.3	4.0	0.9	97	0.2	0.2	<0.1	93	1.46
P09-24 50-60A	Rock		1.5	96.9	2.9	43	0.2	34.9	18.3	566	3.33	17.0	0.3	84.1	0.8	106	0.2	0.5	<0.1	86	2.29
P09-25 20-30A	Rock		0.7	63.8	4.4	37	0.1	20.2	13.9	595	3.19	14.4	0.2	21.6	0.9	112	0.2	0.5	0.2	70	3.27
P09-25 30-40A	Rock		1.0	100.0	5.2	40	0.2	20.3	13.2	525	3.22	16.3	0.2	691.0	1.7	92	0.1	0.3	0.1	62	2.05

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Report Date: August 27, 2009

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# CERTIFICATE OF ANALYSIS

VAN09003431.1

Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	1	0.5	
P09-21 50-60A	Rock	0.102	2	288	2.22	578	0.208	<1	2.48	0.046	1.61	0.4	<0.01	3.4	0.2	0.13	5	<0.5
P09-21 60-70A	Rock	0.095	1	202	1.54	310	0.163	<1	1.62	0.033	0.85	0.5	<0.01	3.7	0.1	0.40	4	1.0
P09-21 70-80A	Rock	0.106	3	199	2.10	265	0.150	<1	1.97	0.033	0.71	0.3	<0.01	5.7	<0.1	0.25	6	0.7
P09-21 80-90A	Rock	0.086	2	290	2.62	529	0.144	<1	2.48	0.033	1.54	0.2	<0.01	4.8	0.2	0.15	5	<0.5
P09-21 90-100A	Rock	0.118	3	69	1.26	323	0.149	<1	1.65	0.046	0.79	0.5	<0.01	4.0	0.1	0.27	4	<0.5
P09-21 100-110A	Rock	0.118	1	80	1.85	168	0.133	<1	2.04	0.036	1.23	0.3	<0.01	2.4	0.2	1.11	4	1.7
P09-21 110-120A	Rock	0.101	2	95	1.94	89	0.144	<1	2.04	0.048	0.96	0.7	<0.01	4.1	0.3	1.67	6	2.1
P09-21 120-130A	Rock	0.099	3	126	1.48	220	0.119	<1	1.62	0.052	0.67	0.7	<0.01	4.2	0.3	0.79	4	0.7
P09-22 20-30A	Rock	0.178	5	14	1.08	85	0.177	<1	1.81	0.034	1.05	0.3	<0.01	4.6	0.3	0.13	5	<0.5
P09-22 30-40A	Rock	0.172	5	13	1.09	81	0.172	<1	1.75	0.038	1.10	0.3	<0.01	4.5	0.5	0.20	5	<0.5
P09-22 40-50A	Rock	0.138	3	101	1.54	83	0.198	<1	1.83	0.044	0.92	0.2	<0.01	6.2	0.3	0.67	5	<0.5
P09-22 50-60A	Rock	0.125	3	209	2.12	74	0.128	<1	1.83	0.022	0.77	0.4	<0.01	7.9	0.4	1.46	5	<0.5
P09-22 60-70A	Rock	0.122	3	199	2.08	24	0.087	<1	1.89	0.009	0.20	0.2	0.01	11.6	0.4	2.48	7	0.6
P09-22 70-80A	Rock	0.119	2	144	1.50	130	0.099	<1	1.52	0.012	0.66	0.5	<0.01	4.6	0.3	0.90	4	<0.5
P09-22 80-90A	Rock	0.116	3	189	2.06	257	0.147	<1	2.19	0.019	1.37	0.2	<0.01	4.4	0.4	0.41	6	<0.5
P09-22 90-100A	Rock	0.131	3	118	1.49	128	0.108	2	1.62	0.016	1.04	0.2	<0.01	3.7	0.4	0.51	4	<0.5
P09-23 0-10A	Rock	0.091	1	65	0.61	50	0.135	<1	1.00	0.018	0.30	1.3	<0.01	2.8	<0.1	0.59	2	<0.5
P09-23 10-20A	Rock	0.104	2	87	0.87	188	0.146	<1	1.25	0.020	0.49	2.4	<0.01	2.6	0.1	0.54	3	<0.5
P09-23 20-30A	Rock	0.139	2	109	1.33	109	0.147	1	1.64	0.023	1.07	0.9	<0.01	2.9	0.1	0.26	4	<0.5
P09-23 30-40A	Rock	0.160	3	130	1.82	111	0.153	<1	2.10	0.027	1.66	0.4	<0.01	3.2	0.3	0.15	5	0.5
P09-23 40-50A	Rock	0.166	4	111	1.86	77	0.155	1	2.06	0.030	1.34	0.9	<0.01	7.1	0.2	0.22	7	<0.5
P09-23 50-60A	Rock	0.088	6	8	0.54	89	0.163	2	1.52	0.071	1.18	1.4	<0.01	3.1	0.2	0.12	8	<0.5
P09-23 60-70A	Rock	0.085	6	9	0.67	79	0.114	2	1.43	0.061	0.93	1.6	<0.01	3.5	0.2	0.47	9	<0.5
P09-23 70-80A	Rock	0.112	3	148	1.51	127	0.167	1	1.76	0.028	1.01	0.7	<0.01	4.8	0.2	0.22	4	0.6
P09-23 80-90A	Rock	0.186	4	51	0.93	80	0.138	2	1.64	0.056	0.98	1.5	<0.01	2.5	0.2	0.12	4	<0.5
P09-23 90-100A	Rock	0.180	5	36	1.17	71	0.157	2	1.92	0.053	1.23	0.8	<0.01	2.6	0.2	0.17	5	<0.5
P09-23 100-110A	Rock	0.161	4	52	1.19	76	0.175	<1	1.88	0.046	1.21	0.8	<0.01	2.9	0.1	0.42	5	0.6
P09-24 50-60A	Rock	0.111	4	69	1.41	67	0.072	2	1.56	0.016	0.14	0.1	0.03	5.7	<0.1	0.28	5	1.1
P09-25 20-30A	Rock	0.147	4	18	1.25	107	0.047	2	1.41	0.023	0.36	0.2	0.02	4.8	<0.1	0.09	5	<0.5
P09-25 30-40A	Rock	0.114	3	16	1.32	123	0.021	<1	1.38	0.019	0.26	0.6	0.01	4.4	<0.1	0.27	5	0.6

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: CAPTAIN  
 Report Date: August 27, 2009

Page: 4 of 4 Part 1

CERTIFICATE OF ANALYSIS

VAN09003431.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
P09-25 40-50A	Rock		1.5	44.5	3.9	30	<0.1	16.5	7.5	581	2.27	8.6	0.1	80.7	1.9	232	0.1	0.2	<0.1	39	3.00
P09-25 50-60A	Rock		2.3	67.3	4.1	31	0.1	18.3	11.4	608	2.78	14.4	0.2	106.2	2.0	243	0.1	0.3	0.1	38	3.19
P09-25 60-70A	Rock		1.5	58.3	6.1	44	0.2	10.8	10.0	618	2.44	4.9	0.1	35.7	1.7	279	0.2	0.3	0.1	35	3.38
P09-25 70-80A	Rock		1.1	50.1	10.9	44	0.2	15.1	10.3	687	2.49	6.8	0.1	27.0	1.4	271	0.2	0.2	0.1	27	3.69
P09-25 80-90A	Rock		1.3	50.5	5.7	38	0.2	23.3	14.1	951	2.97	8.2	0.2	28.7	1.0	345	0.2	0.2	<0.1	29	4.71
P09-25 90-100A	Rock		0.9	33.8	4.8	29	0.2	26.5	12.9	1018	2.95	12.2	0.2	16.0	1.2	401	0.2	0.3	<0.1	22	5.09
P09-25 100-110A	Rock		0.9	35.2	5.9	48	0.3	27.3	14.0	856	2.95	19.1	0.2	41.6	1.1	405	0.1	0.5	<0.1	20	4.53
P09-25 110-120A	Rock		2.5	49.0	3.9	52	0.3	24.0	13.1	830	2.91	9.4	0.2	31.3	1.2	399	0.2	0.4	<0.1	28	4.49
P09-26 20-30A	Rock		1.0	118.9	6.0	69	0.1	50.9	27.0	999	4.96	7.8	0.3	7.3	1.3	177	0.1	0.5	<0.1	151	4.08
P09-26 30-40A	Rock		0.8	122.8	2.7	74	<0.1	25.4	30.0	948	5.40	14.3	0.2	10.8	0.9	148	0.1	0.8	<0.1	154	3.28
P09-26 40-50A	Rock		1.1	127.0	20.2	105	0.3	77.0	34.2	1293	5.14	14.4	0.2	12.9	0.8	310	0.6	1.0	<0.1	123	6.12
P09-26 50-60A	Rock		1.2	114.2	7.2	71	0.5	46.4	25.2	1081	4.36	10.3	0.3	11.7	1.0	244	0.2	0.6	<0.1	101	4.32
P09-26 60-70A	Rock		1.2	158.4	7.2	55	0.7	29.6	19.1	1234	3.81	8.9	0.2	53.1	0.9	370	0.3	0.5	<0.1	54	5.41
P09-26 70-80A	Rock		1.6	111.2	8.0	70	0.3	25.6	23.0	1056	4.13	8.1	0.3	30.5	0.9	252	0.3	0.7	<0.1	98	3.87
P09-26 80-90A	Rock		1.3	91.1	4.6	62	0.2	21.9	22.0	918	3.69	7.3	0.2	11.9	0.8	193	0.2	0.8	<0.1	96	3.10
P09-26 90-100A	Rock		2.2	75.1	5.6	47	0.1	23.2	15.5	692	2.69	7.0	0.2	45.9	0.8	160	0.2	0.7	<0.1	72	2.66
P09-26 100-110A	Rock		1.3	53.7	4.1	40	0.1	23.4	13.0	653	2.47	5.6	0.2	5.2	0.9	163	0.2	0.5	<0.1	66	2.80
P09-26 110-120A	Rock		1.8	60.1	4.8	39	<0.1	27.2	14.6	680	3.05	5.6	0.2	20.0	1.3	174	0.2	0.7	0.1	88	3.05
P09-27 10-20A	Rock		2.5	86.5	1.6	29	<0.1	36.4	60.0	474	3.38	8.2	0.2	8.8	1.1	123	<0.1	1.0	<0.1	97	1.42
P09-27 20-30A	Rock		1.2	89.9	1.5	30	<0.1	50.3	16.8	549	2.89	7.6	0.1	3.9	0.8	131	<0.1	0.9	<0.1	85	2.23
P09-27 30-40A	Rock		2.2	93.6	2.7	52	<0.1	39.5	23.6	970	5.08	8.4	0.2	7.2	0.9	279	0.1	0.6	<0.1	166	4.51
P09-27 40-50A	Rock		5.3	94.4	1.9	40	<0.1	31.8	19.6	672	3.92	11.8	0.2	5.4	0.9	172	<0.1	0.8	<0.1	112	2.44
P09-27 50-60A	Rock		1.7	121.2	2.0	56	<0.1	29.0	26.2	963	4.63	11.7	0.3	4.2	1.0	237	0.1	0.8	<0.1	139	3.39
P09-27 60-70A	Rock		1.3	74.5	1.7	43	<0.1	35.6	20.0	860	4.13	8.9	0.2	11.6	0.8	279	<0.1	0.6	<0.1	138	4.42
P09-27 70-80A	Rock		1.4	67.8	1.5	31	<0.1	28.6	15.5	716	3.18	7.6	0.2	5.1	0.8	200	<0.1	0.5	<0.1	103	3.03
P09-27 80-90A	Rock		1.9	74.7	2.5	30	0.1	30.0	13.2	650	2.98	9.6	0.2	12.9	0.9	169	0.1	0.6	<0.1	77	2.27
P09-27 90-100A	Rock		2.4	69.4	2.5	30	<0.1	32.4	14.8	810	3.29	9.5	0.2	18.5	1.0	241	0.1	0.6	<0.1	80	3.27



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Project: CAPTAIN  
 Report Date: August 27, 2009

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CERTIFICATE OF ANALYSIS

VAN09003431.1

Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	
P09-25 40-50A	Rock	0.109	3	18	1.03	123	0.010	2	1.11	0.054	0.25	1.1	<0.01	4.3	0.1	0.26	4	0.6	
P09-25 50-60A	Rock	0.124	3	22	1.12	85	0.012	<1	0.89	0.019	0.22	1.0	0.01	3.9	<0.1	0.46	4	<0.5	
P09-25 60-70A	Rock	0.121	4	9	1.15	97	0.006	1	0.70	0.023	0.17	0.2	<0.01	3.9	<0.1	0.65	3	<0.5	
P09-25 70-80A	Rock	0.139	4	10	1.35	101	0.004	1	0.60	0.017	0.15	0.6	<0.01	3.7	<0.1	0.71	2	<0.5	
P09-25 80-90A	Rock	0.133	4	22	1.80	304	0.004	<1	0.77	0.016	0.17	0.3	<0.01	4.6	<0.1	0.62	3	<0.5	
P09-25 90-100A	Rock	0.134	4	21	1.80	287	0.003	2	0.61	0.011	0.14	0.1	<0.01	2.9	<0.1	0.53	2	<0.5	
P09-25 100-110A	Rock	0.134	4	13	1.60	203	0.004	2	0.57	0.019	0.21	0.2	0.01	2.8	<0.1	0.80	2	<0.5	
P09-25 110-120A	Rock	0.133	3	19	1.69	164	0.005	1	0.70	0.014	0.15	0.1	<0.01	3.7	<0.1	0.79	2	0.5	
P09-26 20-30A	Rock	0.129	6	141	2.78	198	0.154	1	2.93	0.016	0.90	0.3	0.02	14.2	0.1	<0.05	8	<0.5	
P09-26 30-40A	Rock	0.146	5	49	2.69	284	0.156	<1	2.92	0.014	1.45	0.2	0.01	12.0	0.2	0.05	8	0.5	
P09-26 40-50A	Rock	0.146	4	194	3.38	165	0.059	2	2.92	0.009	0.66	0.2	0.04	14.5	0.1	0.15	7	0.7	
P09-26 50-60A	Rock	0.143	5	99	2.53	131	0.071	1	2.23	0.013	0.53	0.2	0.03	9.7	0.1	0.15	6	<0.5	
P09-26 60-70A	Rock	0.161	4	36	2.33	102	0.030	1	1.44	0.013	0.37	0.3	0.01	6.4	<0.1	0.39	4	<0.5	
P09-26 70-80A	Rock	0.139	5	39	2.20	270	0.132	1	2.08	0.014	0.92	0.2	0.01	7.9	0.1	0.31	6	<0.5	
P09-26 80-90A	Rock	0.147	4	39	1.86	175	0.146	<1	1.87	0.023	0.75	0.2	<0.01	6.8	<0.1	0.15	6	<0.5	
P09-26 90-100A	Rock	0.130	4	46	1.45	168	0.113	3	1.48	0.022	0.56	0.3	<0.01	5.3	<0.1	0.16	4	<0.5	
P09-26 100-110A	Rock	0.116	4	42	1.38	148	0.084	2	1.36	0.020	0.48	0.2	<0.01	5.1	<0.1	0.13	4	<0.5	
P09-26 110-120A	Rock	0.132	5	45	1.62	179	0.100	2	1.73	0.025	0.73	0.3	0.01	5.6	0.1	0.32	6	<0.5	
P09-27 10-20A	Rock	0.118	4	58	1.11	117	0.100	1	1.39	0.033	0.23	>100	0.04	2.5	<0.1	0.24	4	0.5	
P09-27 20-30A	Rock	0.119	4	108	1.59	60	0.107	<1	1.67	0.031	0.20	0.4	<0.01	4.0	<0.1	0.22	6	<0.5	
P09-27 30-40A	Rock	0.140	4	70	2.12	227	0.154	<1	2.50	0.039	1.01	8.9	0.01	9.1	<0.1	0.28	8	<0.5	
P09-27 40-50A	Rock	0.143	4	63	1.69	190	0.127	1	1.98	0.027	0.69	0.4	0.01	5.0	<0.1	0.37	6	<0.5	
P09-27 50-60A	Rock	0.179	5	42	2.10	204	0.161	<1	2.49	0.028	1.02	2.4	<0.01	8.3	<0.1	0.31	7	<0.5	
P09-27 60-70A	Rock	0.142	4	78	2.25	367	0.131	<1	2.47	0.023	0.95	0.2	<0.01	8.9	<0.1	0.35	7	<0.5	
P09-27 70-80A	Rock	0.121	4	58	1.49	220	0.098	1	1.64	0.035	0.48	1.3	<0.01	5.9	<0.1	0.31	5	<0.5	
P09-27 80-90A	Rock	0.125	4	48	1.26	163	0.075	<1	1.32	0.030	0.26	0.2	<0.01	3.7	<0.1	0.22	4	<0.5	
P09-27 90-100A	Rock	0.130	5	53	1.53	148	0.061	1	1.35	0.028	0.25	1.3	<0.01	5.2	<0.1	0.29	4	<0.5	



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Project: CAPTAIN  
Report Date: August 27, 2009

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## QUALITY CONTROL REPORT

VAN09003431.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																				
P09-14 70-80A	Rock	2.9	48.2	3.0	49	0.1	34.6	9.7	479	2.64	4.6	0.4	1.5	1.3	39	0.2	0.4	0.1	79	0.76
REP P09-14 70-80A	QC	3.2	50.0	3.1	50	0.1	32.9	9.7	487	2.71	4.7	0.4	1.1	1.2	42	0.2	0.4	0.1	80	0.78
P09-21 100-110A	Rock	2.5	121.3	1.3	52	0.1	66.2	31.5	518	4.08	3.1	0.2	6.1	0.3	28	<0.1	0.2	0.1	74	0.79
REP P09-21 100-110A	QC	2.6	125.5	1.3	52	0.1	65.4	32.5	533	4.15	2.7	0.2	4.8	0.2	29	<0.1	0.2	0.1	75	0.82
P09-25 30-40A	Rock	1.0	100.0	5.2	40	0.2	20.3	13.2	525	3.22	16.3	0.2	691.0	1.7	92	0.1	0.3	0.1	62	2.05
REP P09-25 30-40A	QC	1.0	100.2	5.2	41	0.2	21.2	12.8	532	3.27	16.2	0.1	1260	1.7	92	0.1	0.3	0.2	63	2.07
Reference Materials																				
STD DS7	Standard	19.8	107.4	60.1	390	0.8	55.3	9.1	604	2.42	50.7	4.3	55.2	3.7	66	6.4	5.0	4.1	79	0.97
STD DS7	Standard	19.3	106.4	58.8	392	0.8	56.2	9.4	602	2.43	51.0	4.1	96.3	3.6	66	6.0	4.9	4.2	80	0.99
STD DS7	Standard	19.9	90.7	58.1	391	0.9	57.1	9.8	608	2.39	54.0	4.1	106.0	3.8	67	6.0	5.2	3.9	82	0.94
STD DS7	Standard	21.1	90.4	59.4	386	0.8	57.7	9.6	648	2.38	52.5	4.4	62.7	4.3	73	5.8	5.1	4.1	80	0.97
STD DS7	Standard	19.8	101.1	67.5	374	0.9	54.1	9.8	598	2.33	49.9	5.0	67.3	4.5	76	5.9	5.7	4.6	79	0.95
STD DS7	Standard	22.4	104.9	73.2	412	0.8	59.7	9.9	646	2.44	54.1	5.5	77.5	5.0	83	6.5	6.1	5.0	83	1.01
STD DS7	Standard	20.4	105.9	75.1	388	0.8	56.2	9.2	614	2.39	50.6	5.2	74.5	4.7	78	6.5	6.8	5.4	83	0.96
STD DS7	Standard	20.1	108.2	72.4	392	0.8	54.5	9.4	607	2.40	52.0	5.0	64.4	4.5	79	6.5	6.9	5.4	82	0.95
STD DS7	Standard	20.6	106.6	60.0	397	0.8	55.5	9.5	614	2.38	48.1	4.2	69.2	3.8	66	5.5	4.6	4.2	81	0.97
STD DS7	Standard	20.7	112.2	58.6	398	0.8	55.2	9.9	642	2.43	50.7	4.2	62.6	3.9	72	6.1	4.9	4.0	83	1.00
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																				
G1	Prep Blank	0.6	4.7	3.2	49	<0.1	4.3	4.6	572	1.96	<0.5	1.7	2.8	4.8	55	<0.1	<0.1	0.5	40	0.60
G1	Prep Blank	0.2	3.4	3.1	48	<0.1	4.1	4.8	608	2.02	<0.5	2.4	1.8	5.4	56	<0.1	<0.1	0.3	42	0.62



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Project: CAPTAIN  
 Report Date: August 27, 2009

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QUALITY CONTROL REPORT

VAN09003431.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																		
P09-14 70-80A	Rock	0.080	6	47	0.81	114	0.111	4	1.40	0.050	0.11	0.4	0.03	4.1	<0.1	<0.05	5	<0.5
REP P09-14 70-80A	QC	0.085	6	50	0.83	119	0.114	4	1.45	0.048	0.12	0.4	0.05	4.1	<0.1	<0.05	5	<0.5
P09-21 100-110A	Rock	0.118	1	80	1.85	168	0.133	<1	2.04	0.036	1.23	0.3	<0.01	2.4	0.2	1.11	4	1.7
REP P09-21 100-110A	QC	0.117	1	84	1.88	197	0.143	<1	2.09	0.038	1.27	0.3	<0.01	2.8	0.2	1.14	5	1.2
P09-25 30-40A	Rock	0.114	3	16	1.32	123	0.021	<1	1.38	0.019	0.26	0.6	0.01	4.4	<0.1	0.27	5	0.6
REP P09-25 30-40A	QC	0.116	4	16	1.32	123	0.021	2	1.38	0.019	0.27	0.5	0.01	4.4	<0.1	0.27	5	0.6
Reference Materials																		
STD DS7	Standard	0.076	12	185	1.03	389	0.107	38	1.03	0.085	0.42	3.7	0.21	2.2	4.1	0.19	4	3.7
STD DS7	Standard	0.076	12	185	1.05	379	0.105	39	1.05	0.088	0.43	3.7	0.20	2.4	4.0	0.19	5	3.8
STD DS7	Standard	0.076	13	201	1.02	413	0.103	40	1.02	0.088	0.45	3.7	0.19	2.3	4.1	0.19	4	3.9
STD DS7	Standard	0.083	14	204	1.01	418	0.115	43	1.05	0.101	0.50	3.7	0.20	2.6	4.1	0.19	5	3.7
STD DS7	Standard	0.076	13	181	1.01	406	0.121	42	1.00	0.100	0.41	4.3	0.19	2.3	4.2	0.19	5	4.2
STD DS7	Standard	0.077	14	198	1.06	440	0.127	40	1.06	0.100	0.46	4.3	0.20	2.5	4.6	0.20	5	4.9
STD DS7	Standard	0.078	13	180	1.03	416	0.123	41	1.01	0.094	0.44	4.3	0.20	2.3	4.3	0.19	5	3.5
STD DS7	Standard	0.080	13	176	1.02	418	0.122	41	0.99	0.093	0.43	4.2	0.19	2.3	4.3	0.20	5	3.6
STD DS7	Standard	0.072	12	212	1.05	402	0.109	39	1.07	0.095	0.44	3.7	0.20	2.5	4.2	0.20	5	3.0
STD DS7	Standard	0.079	13	208	1.05	404	0.116	34	1.08	0.097	0.46	3.7	0.19	2.6	4.0	0.20	5	4.0
STD DS7 Expected		0.08	12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
Prep Wash																		
G1	Prep Blank	0.084	12	9	0.58	185	0.120	2	1.01	0.081	0.50	<0.1	<0.01	2.2	0.4	<0.05	5	<0.5
G1	Prep Blank	0.087	12	9	0.59	191	0.126	1	1.03	0.080	0.51	<0.1	<0.01	2.3	0.4	<0.05	5	<0.5

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.