June to November 2012 Exploration Report

REEF Property

Watson Lake Mining District
Yukon Territory, Canada

Exploration Work: soil & rock sampling, geological mapping, digital data compilation and heritage-nature resource assessment

June to November 2012 Exploration Expenditures: **$ 88,748.69**

NTS map area **105H 15 and 16**
Latitude 61°54´N; Longitude 128°29´W

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Dated: May 2013

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1. Introduction

This report is a summary of the 2012 exploration work completed on the Reef project located in southeast Yukon. Through this period, Precipitate Gold Corp carried out soil & rock sampling, detailed geological mapping-prospecting and an independent heritage-nature overview assessment. This exploration report is intended to fulfill Yukon Territory government assessment requirements to keep property claims in good standing. Precipitate has incurred **$88,748.69** on property related exploration expenditures from June 01to November 14, 2012.

The main Fer Zone gold occurrence, located on the west side of the property (Minfile 105H 102) was first discovered by Westmin Resources in 1996, as a result of an extensive silting program. Work to date shows that the Fer Zone is underlain by a gold-arsenic soil anomaly measuring up to 3.8 km long by 2.6km wide, including the Camp Cirque, Northeast Grid and South Grid zones. Property gold mineralization identified so far, suggests a sediment hosted, low grade, bulk tonnage disseminated orogenic gold exploration target.

The purpose of the August 2012 field program was to geologically map the gold prospective Fer Zone, specifically the Camp Cirque, Northeast Grid, and Southern Grid areas, to better understand the structural setting, alteration, and controls on mineralization. Previous work in the area by Westmin Resources (Gale & Terry 1998), Rimfire Minerals (Jones & Caulfield 2000), and Precipitate Gold (Stroshein 2011, Craggs 2011, and Moore 2012) were utilized to design the program. The 2012 work has expanded and refined the structural, lithological and mineralization understanding of property sedimentary host rocks.

Notable nearby exploration properties are: Northern Tiger Resources' 3Ace property abuts Reef's southern boundary, Bearing Resources's Hy property to the west, Stakeholder Gold Corp's Culvert property to the northeast and Aben Resources's Justin Gold property about 30km to the southeast.

Reef property mineralization is one of several areas of gold enrichment located along the +50 kilometre long *Upper Hyland Gold Trend*. This gold trend is underlain by siliclastic and carbonate rocks of the lower Selwyn Basin (Hyland Group) within a region of complex structural modification dominated by thrusting and folding ('Little Owls Anticlinorium'). The Upper Hyland Gold Trend has gained recent prominence particularly based on results of 2010 & 2011 drill testing by Northern Tiger Resources Ltd (NTR). NTR news releases reported that its 3Ace Property (located ~ 20 km southeast of Reef) contains high grade gold in quartz veins (esp. Main Zone), plus a number of large untested multi-element soil anomalies. Eight core drill holes in 2010 returned highlight results of 4.3 g/t gold over 30.3 metres and of 14.8 g/t gold over 10.9 metres at the Main Zone.

Reliance on Other Experts and Consultants
From August 07 to 14, 2012, Christian Kieslinger (Precipitate), Jodie Gibson and Katie Lucas (geological consultants contracted from McLeod Williams Capital) completed a rock sampling and detailed geological mapping-prospecting program. Two field technicians were contracted from TerraLogic Exploration (Cranbrook BC) to grid soil sample the Camp Cirque area. A total of 57 rock and 231 soil samples were collected. An independent heritage resource desktop overview assessment was completed by James Mooney (Ecofor Consulting) in June 2012. Later in July, Mooney completed a preliminary field reconnaissance assessment of the proposed road side camp areas.

2.0 Property Description and Location

2.1 Area and Location

The property is located in southeast Yukon, centered near 61°54' N latitude and 128°29' W longitude at UTM coordinates 527150 E, 6863150 N (NAD 83) on NTS map sheets 105H/15 and 16 (Figure 2.1). The Property is located on the Nahanni Range Road (Yukon Highway 10) that provides access to the Cantung tungsten mine located 20 kilometers east of the project. The Nahanni Range Road is generally usable in all seasons by two wheel drive vehicles. The claims are 200 km east of Ross River and 200 km north of Watson Lake, the nearest supply centres.

2.2 Claims and Title

The Reef properties comprises 418 claims, within the Watson Lake Mining district, and are owned by or under option to Precipitate that together total about 8,464 hectares in area (Figure 2.2). The property consists of three contiguous quartz mining claim ownership groups: 262 'Bloom' claims 100% owned by Precipitate, 48 'Reef' claims optioned from Strategic Minerals Ltd and the 108 'Jay' claims held under an option agreement with Bearing Resources Ltd. The project is within the traditional territory of the Kaska First Nations that is subject to land claim negotiations with the governments of Canada and the Yukon.

Table 2.2 Reef Property Claims

CLAIM NAME	GRANT NUMBER	REGISTERED OWNER	New Expiry **
Reef 1 - 48	YD34701 – YD34748	*Archer, Cathro and Associates (1981) Ltd.	December 09, 2019
Jay 73-80	YD24873 – YD24880	Bearing Resources Ltd.	December 15, 2020
Jay 141-192	YD25941 – YD25992	Bearing Resources Ltd.	December 15, 2018
Jay 203-250	YD26003 – YD26050	Bearing Resources Ltd.	December 15, 2018
Bloom 1 - 100	YE41901 – YE42000	Precipitate Gold Corp.	December 15, 2018
Bloom 101 - 190	YE52441 – YE52530	Precipitate Gold Corp.	December 15, 2018
Bloom 191 - 221	YE70861 – YE70891	Precipitate Gold Corp.	December 15, 2018
Bloom 222 - 262	YD118362 – YD118402	Precipitate Gold Corp.	December 15, 2020

* - Archer Cathro holds the Reef claims in trust for Strategic Metals Ltd.
** - New expiry date assumes full acceptance of the 2012 exploration expenditures

NOTE: In April 2013, Precipitate announced that it had fulfilled its Strategic Metals option agreement for the Reef 1 to Reef 48 and select Bloom claims, so that Precipitate owns the claims 100% (with a 2% NSR for Strategic). The transfer of ownership of the Reef 1-48 claims was pending at the time of completion of this report.

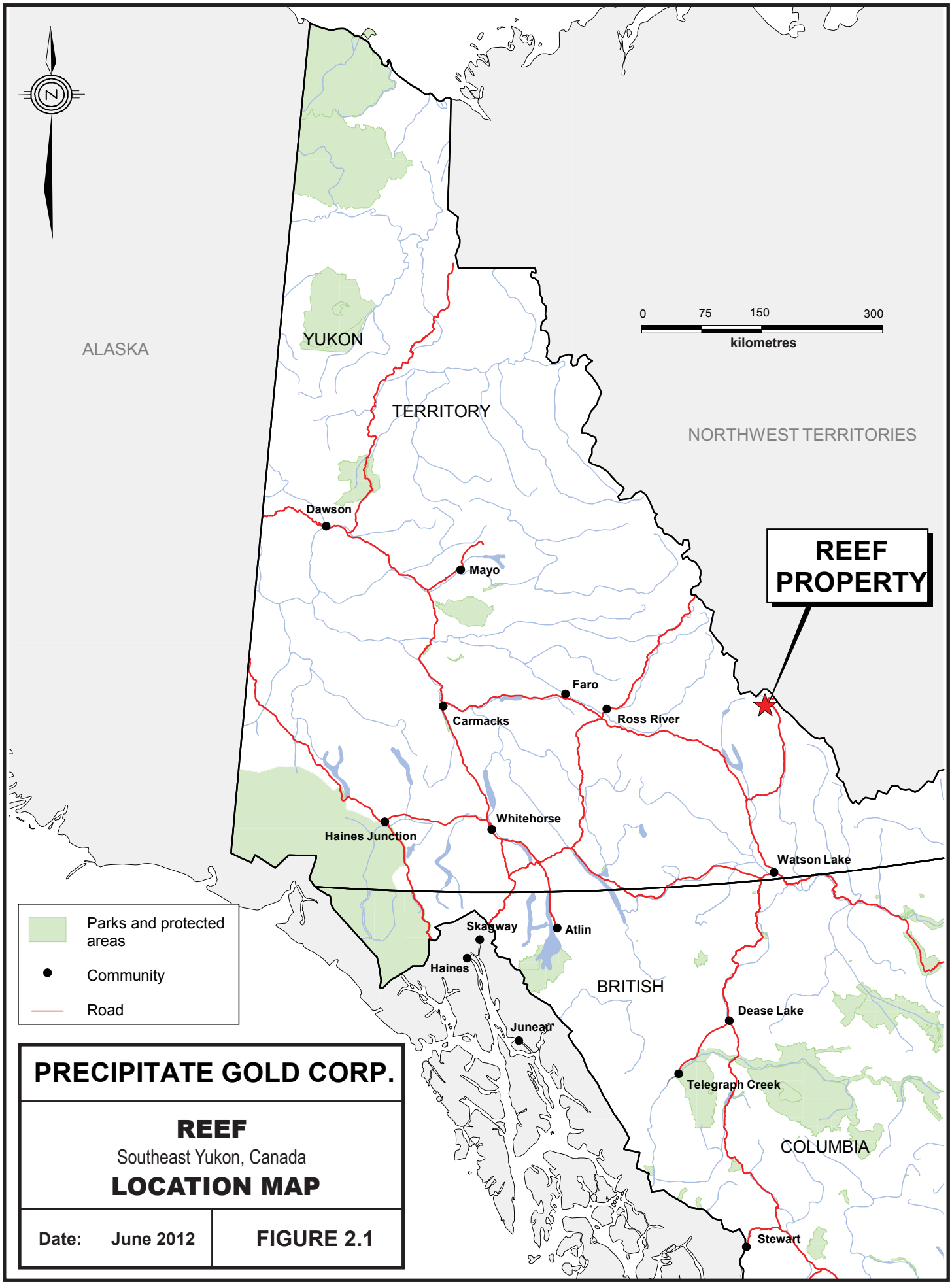
2.3 Accessibility, Climate, Local Resources, Infrastructure, and Physiography

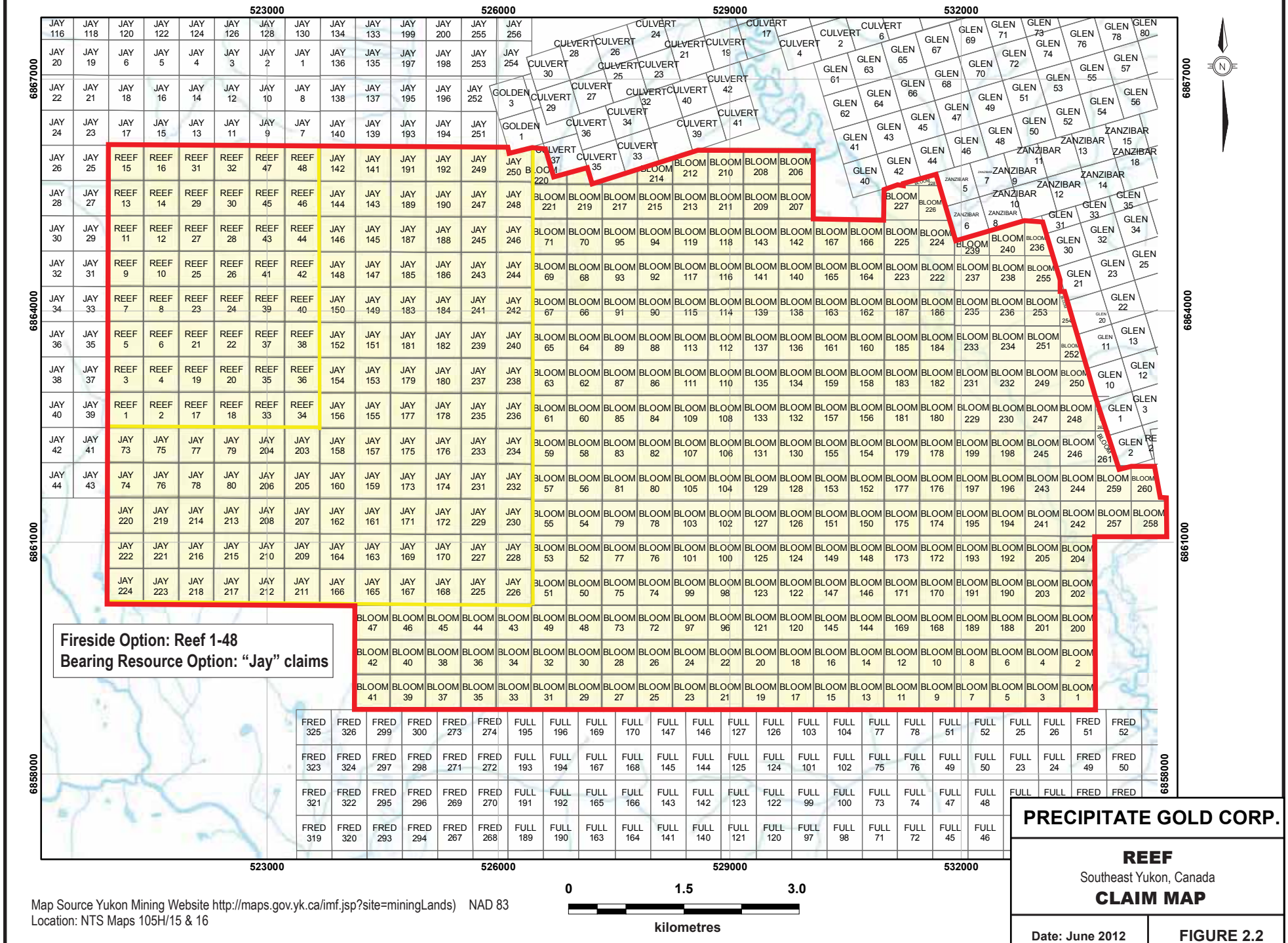
The property is accessible by road from Watson Lake located 200 kilometers to the south. Via the Robert Campbell Highway (Highway 4) and Nahanni Range Road (Highway 10) access is gained to the eastern property boundary (east side of the Little Hyland River). The gravel road provides all-season access to the Cantung tungsten mine located 20 kilometers east. The village of Watson Lake, located on the Alaska Highway, is the region's main service center and provides basic support and logistical facilities. Watson Lake is connected to Whitehorse by 450 kilometers of paved Alaska Highway (Highway #1). Access to the Property is by helicopter and two wheel drive vehicle. Wheel equipped fixed wing aircraft can access the gravel Hyland airstrip located about 50 kilometers south of the Property. All work for the 2012 program was helicopter supported and was based out of Aben Resources' Justin Camp, located approximately 25km SE of the project area.

The Property lies in the Logan Range of the Selwyn Mountains and is drained by creeks that flow into the Hyland River, which ultimately connects to the Arctic Ocean via the Liard and Mackenzie Rivers. The Property covers a high ridge between the Hyland and Little Hyland Rivers with an elevation range from greater than 2,100 meters (6,900 feet) on ridge tops overlooking the Little Hyland River to 1,000 meters (3,300 feet) near the Hyland River.

Topographic relief varies from gentle to steep. Outcrop is abundant within creek-river valleys and on alpine hilltops and steeper slopes. Lower elevations, particularly valley floors, are blanketed by Pleistocene colluvium deposits and glacial till. The setting is dominantly characterized as alpine to sub alpine. Tree line in the area is at about 1,400 meters (4,600 feet). Slopes above that elevation are vegetated with grass, lichen and moss. Vegetation gradually increases down slope and comprises stunted black spruce, alpine fir and pine, plus willow, dwarf birch and Labrador tea ground cover.

The climate in the Property area is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. Although summers are relatively mild, snowfall can occur in any month at higher elevations. Elevated and north faces of the Property are mostly snow free from late June to late September.


N
ALASKA
YUKON
TERRITORY
NORTHWEST TERRITORIES
BRITISH
COLUMBIA
0
75
150
300
kilometres
REEF PROPERTY
Dawson
Mayo
Faro
Ross River
Carmacks
Whitehorse
Haines Junction
Watson Lake
Skagway
Atlin
Haines
Juneau
Dease Lake
Telegraph Creek
Stewart
Parks and protected areas
Community
Road
PRECIPITATE GOLD CORP.
REEF
Southeast Yukon, Canada
LOCATION MAP
Date: June 2012
FIGURE 2.1



Map Source Yukon Mining Website http://maps.gov.yk.ca/imf.jsp?site=miningLands) NAD 83
Location: NTS Maps 105H/15 & 16

PRECIPITATE GOLD CORP.

REEF
Southeast Yukon, Canada
CLAIM MAP

Date: June 2012 | **FIGURE 2.2**

3.0 Geologic Setting & Mineralization

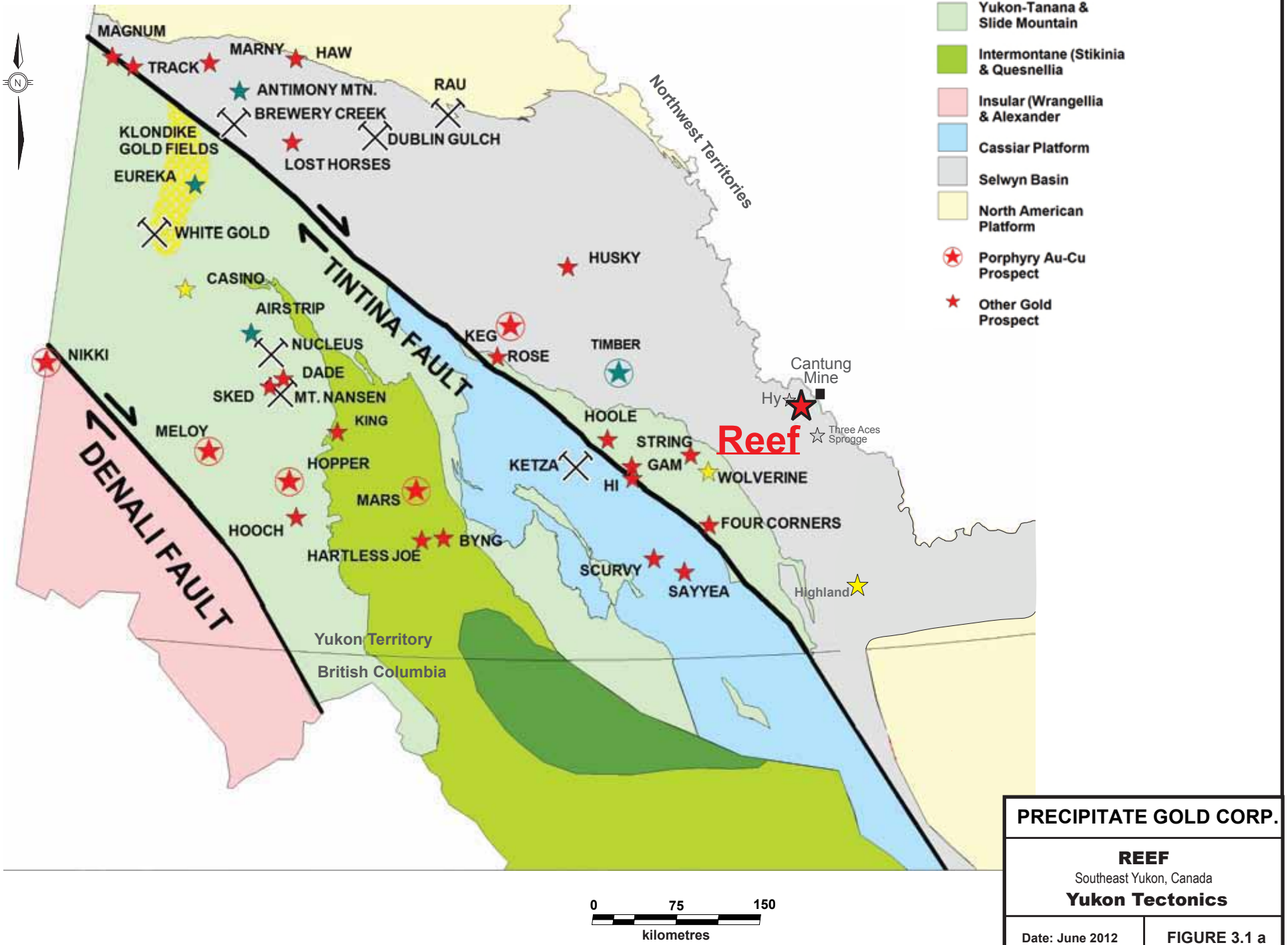
3.1 Regional Geology & Mineralization (see Figure 3.1a & b)

The Project area is underlain by NeoProterozoic to lower Cambrian aged sedimentary rocks of the Hyland Group; the base of the Selwyn Basin stratigraphy created by filling of an extensive marine basin off of ancestral North America during the latest Precambrian through Devonian period. The Selwyn Basin occupies much of the central and southeastern Yukon, southwestern Northwest Territories and also a narrow corridor along the northern portion of the Rocky Mountain Trench in British Columbia (Kechika Trough). The Hyland Group, divided into two formations, was laid down by turbidite flow in relatively shallow water. The basal section is the several thousand meters thick Yusezyu Formation composed of medium to coarse grained quartzose sandstone and grit to quartz pebble conglomerate with interbedded shale and siltstone. Upper portions of the Yusezyu Formation are described as variably calcareous with local carbonate cement. Discontinuous limestone beds are located throughout the Yusezyu section and form a thin discontinuous member at the top of the Formation. The upper section of the Hyland group is the 300 metre thick Narchilla Formation composed primarily of recessive weathering green and maroon shale and siltstone with interbedded sandstone and some sections of limestone (Murphy 1997).

Middle Cretaceous granitic intrusions cut Hyland Group metasediments in the region. Two types of intrusions have been distinguished based on their size and contact characteristics. The larger batholiths (Tay River Suite), which lie to the south and southwest of the Property, have poorly defined boundaries that consist of mixed intrusive, migmatitic and gneissic rocks. The smaller intrusions (Tungsten and Tay River (?) suites) have sharp contacts and pronounced metamorphic aureoles characterized by gossans (after pyrite or biotite?); mapped on the southeast corner of the property (?). An elongate example of the second type of intrusion is located about five kilometres south of the Property on the Northern Tiger 3 Ace land package. These two intrusion types show different magnetic responses. The first type is typified by a strong positive magnetic response, while the other type exhibits a very weak or negative (or reduced) response relative to the country rocks.

Hyland Group rocks have been weakly metamorphosed and deformed. Fabrics related to deformation are most evident in pelitic lithologies. Quartz-rich or siliclastic rocks are often strongly fractured and can commonly host multi-generational quartz veins. Early phases of milky white quartz veins are likely due in part to remobilization of quartz from wall rocks into open spaces created by the early deformation. Many quartz veins have been deformed and are weakly folded. Regional metamorphism and deformation has also induced recrystallization of the limestone horizons. Bedding and fold axes are moderately to steeply dipping and generally trend to the northwest. Linear valleys are common in the area and probably mark significant faults, although most evidence of these features is buried under unconsolidated valley fill.

The Upper Hyland Gold Trend has undergone an evolution regarding the conceptual paragenesis of the gold mineralization within it. Initially, gold mineralization was considered to have resulted from a distal, reduced intrusion-related gold system (distal RIRGS) based on the nearby presence of “Tombstone” suite intrusions, similar fashion to other RIRGS mineralization identified in the Yukon (Jones 1997 and Jones-Caulfield 2000). More recent analysis suggests that the mineralization may result from orogenic processes related to deformation of the brittle deformation of the siliclastic Hyland Group host rocks (Hart-Lewis 2006).



PRECIPITATE GOLD CORP.

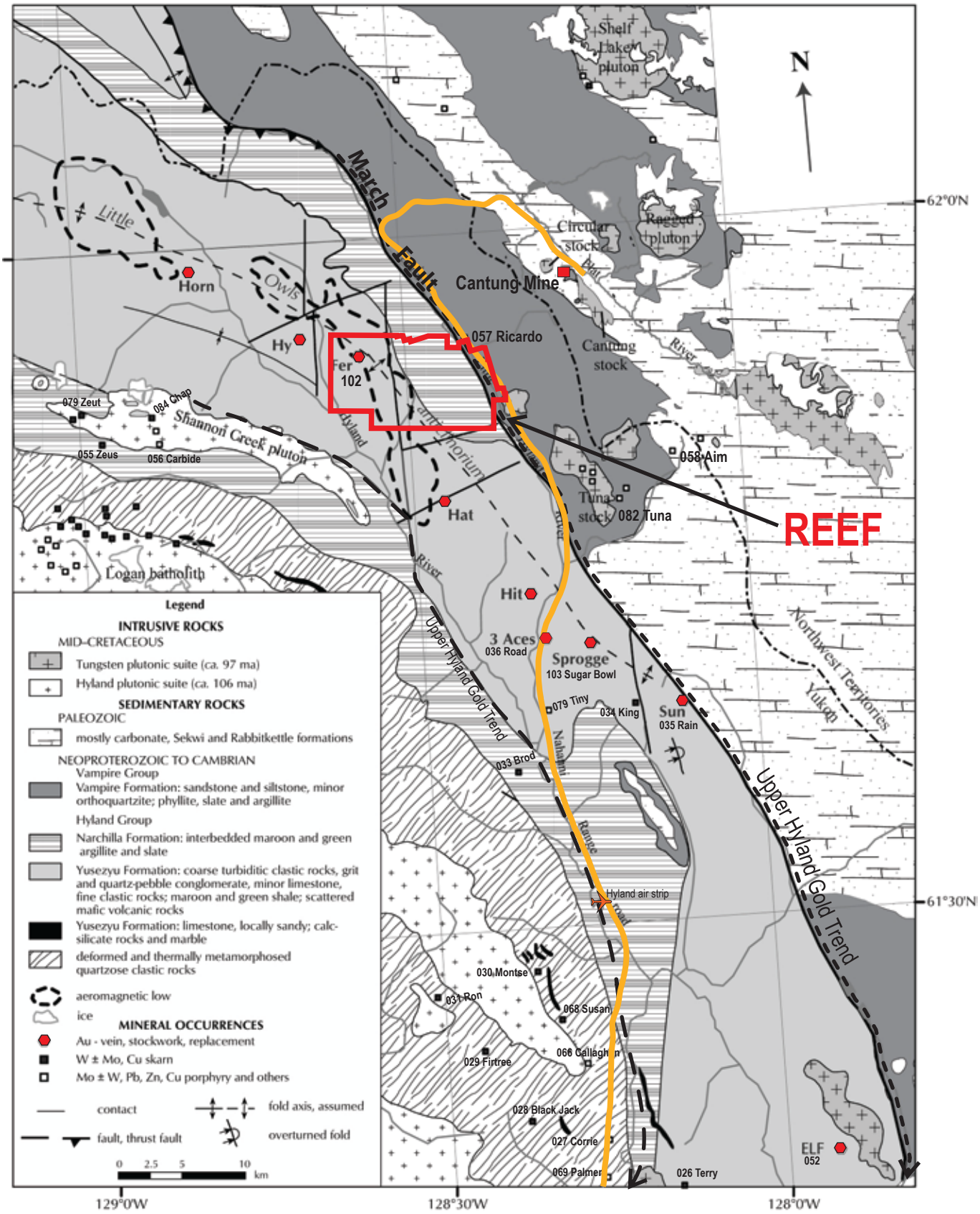
REEF

Southeast Yukon, Canada

Yukon Tectonics

Date: June 2012

FIGURE 3.1 a



Map after Hart &Lewis: Gold mineralization in the upper Hyland River area: A non-magmatic origin; Yukon Exploration and Geology 2005

Yukon Minfile Identification: 105H **XXX**

PRECIPITATE GOLD CORP.

REEF

Southeast Yukon, Canada

REGIONAL GEOLOGY MAP

Date: June2012	FIGURE 3.1 b

3.2 Local Geology & Mineralization

See Appendix A for compilation maps.

In 1996-7, Westmin mapped the northwestern part of the Property (Reef claims) at 1:10,000 scale (Jones 1997 and Gale-Terry 1998). In June 2011, Simon Craggs, contracted by Precipitate and Bearing, completed a lithological and structural study for the Reef and adjacent Hy properties. Craggs conclusions introduced an alternative interpretation of property stratigraphy. He suggests that property rocks are a continuous sequence of marine sediments that appear to represent a section of the regionally mapped Yusezyu Formation and that the sequence was laid down in a continuous pair of recession-transgression cycles and that in general the section is *younging to the west*. The general attitude of the section is a homocline with southwesterly dips and a southeast plunge (see Moore 2012 for more details of Craggs findings). This report author does not subscribe to Craggs's suggested stratigraphical assessment, favouring the generally recognized interpretation that property rock formations young eastward, with the maroon-green shales of the Narchilla Fm overlaying the older grits/conglomerates of the Yusezyu Fm. Nonetheless, Cragg's work does provide very useful insight on the property structures and their association with property mineralization and alteration. Additionally, the reader is directed to the Gibson-Lucas 2012 summary geology-mineralization report in Section 4.2.

The Property is entirely underlain by NeoProterozoic to lower Cambrian aged sedimentary rocks of the Hyland Group; the base of the Selwyn Basin, including quartzite, quartz grit, quartz pebble conglomerate, phyllite, shaley phyllite, dolomite and limestone. The west and central potions of the property are underlain by the Yusezyu Formation; the oldest rocks of the Hyland Group (Murphy 1997). The Yusezyu Formation rocks comprise medium to coarse grained quartzose sandstone and grit to quartz pebble conglomerate with interbedded shale and siltstone. Upper portions of the formation are variably calcareous with local carbonate cement. Discontinuous limestone beds are located throughout the Yusezyu section and form a thin discontinuous member at the top of the Formation. Overlying the Yusezyu, on the eastern part on the property, is the Narchilla Formation. It is composed primarily of recessively weathering green and maroon shale and siltstone with interbedded sandstone and some sections of limestone.

Structural Interpretation
Craggs's 2011 structural mapping indicates a protracted deformation history that progressed from high-level thrusting into what is thought to have been a brittle-ductile to brittle, trans-tensional regime of faulting and associated folding. Sporadic isoclinal folding is found in all units but thrusting rather than folding is thought responsible stratigraphic repetition. Prior to homocline development, the region experienced at least one deformation fabric-forming event, though two fabrics are recorded in the area. In areas where both fabrics can be identified, the lower hemisphere plots show that both are folded around a southeast-plunge similar to that seen for region wide bedding.

The earlier S1 slatey cleavage is associated with sporadic isoclinal folds and regional thrust faults inferred from stratigraphic repetition (particularly calcareous rocks). Reasonably abundant evidence of bedding-parallel slip faulting (slickenside development in phyllitic rocks) suggests top direction to the N–NE. Typically the S1 foliation appears to be sub-axial planar to the isoclinal folds. The uniform low-grade metamorphism across the district indicates that this episode of thrusting took place at a high crustal level.

The *S2 fabric* is a slatey to spaced cleavage that generally intersects bedding at a higher angle than S1 and is *likely the most abundant deformation fabric observed in the area*. The S2 fabric typically strikes sub-parallel to the regional southeast plunging homocline axis, but also shows evidence of folding around this axis. The S2 foliation is commonly observed to be axial planar to typically open, M-shaped, or asymmetric and south-verging folds. The rotation of the S2 fabric around the regional fold hinge trend suggests pre-homocline development; however the overall similarity of S0-2 intersection lineations and S2 strike with the homocline suggests coeval growth. As such, it is thought that the S2 fabric and associated folds represent the earliest phase of regional transpression and associated fault and fold development. The S2 fabric is dominantly associated with south-verging folds, though the presence of sporadic north-verging folds leads to the possibility of rare, local, back-thrusts.

Post-early thrusting faults exhibit an overall geometry and sense of movement indicating that the S2 fabric development, the open SE-plunging and south-verging folding, and the strike-slip fault propagation were kinematically and temporally coeval. For the system as a whole, the horizontal stresses are calculated to be extensional with a maximum horizontal stress oriented NE-SW. Principal compressive stress direction σ1 is calculated to be steeply plunging at around 80°/090° and σ3 is oriented at approximately 10°/290°. While this appears to indicate that the overall stress regime in the region was extensional, mapping indicates several of the larger, particularly N-S-trending faults are dominantly strike-slip. The steeply inclined σ1 direction may indicate a bias towards measurement of the abundant but smaller, subsidiary, dip-slip accommodation faults in the center of the Reef claims area.

Analyzed together, the mapping and principal stress axes suggest that during late-stage fault propagation the region was situated within a transtensional stress regime. XY scatter-plots of fault strike vs. slip trend, and of fault dip azimuth vs. slip trend for the late-stage faults produce highly linear trends that together indicate all faults measured were part of the same stress-system. Local 1st order, N-S trending, E-W dipping faults have typically shallow slip-vectors and are dominantly strike-slip, whereas 2nd and 3rd order faults have a rotated strike and have more steeply inclined slip-vectors. ***This suggests that the 2nd and 3rd order structures are most likely to have experienced fault dilation, and to have focused fluid-flow***.

Airborne magnetic data indicates a major through-going, N-S trending right lateral fault in the Jay claims near their boundary with the Bloom claims ("Connector Fault"), and at a second location west of the Reef claims. These faults may be 2nd order linking structures between the regional scale NW-SE trending March Fault to the east along the Little Hyland River, and a possible second regional scale fault of the same trend to the southeast along the Hyland River Valley.

Displacement along this major late stage fault effectively divides the Project into a west side that has been the focus of historic and detailed exploration and an east side that has no record of prior exploration. This fault and the valleys it occupies are referenced as "Connector Fault".

Shear/Fault Mechanics and Economic Potential (after Craggs 2011)

In the western area of the Reef Project (Fer Zone), thick packages of coarse-grained sandstone and quartz-pebble conglomerate are heavily faulted and fractured by late-stage faults. These faults show a complex geometry and commonly cryptic relative timing relationships. Oxidation, limonite, and goethite mineralization is common in this area. When the fault geometry is overlain with soil

geochemistry data there appears to be a correlation between anomalous Au and As occurrences and the larger, through-going structures. The stress pattern for the Fer Zone appears to be similar to that shown for the regional stress pattern, with the same extensional horizontal stresses calculated, and a steeply inclined maximum principal stress. However, the σ3, minimum principal stress has rotated about 90° to *plunge shallowly NE*.

Airborne magnetic data indicates a major through-going, N-S trending right lateral fault within in the Jay claims near their boundary with the Bloom claims (Connector fault), and at a second location west of the Reef claims. As mentioned above, these may be 2nd order, linking structures between the regional scale NW-SE trending March fault to the east along the Little Hyland River, and a possible second regional scale fault of the same trend to the southeast along the Hyland River Valley. Fault development within the Bloom claims is rare where traversed, however malachite and chalcopyrite mineralization were located near a N-S-trending shear zone in the northwestern side of the Bloom claims. The reason for mineral precipitation at this locality is thought to be due to the shear zone occurring at, or very near to the interface between the calcareous rocks of unit 2 and phyllitic rocks of unit 3. A compositional and mechanical contrast between the two lithologies may have promoted fault propagation, fluid-flow and 'ponding'.

Abundant displacement zones identified within the Fer Zone area of the Reef claims generated abundant brittle fracture of the Unit 4 course sandstone and pebble conglomerate. This unit also contains areas of considerable pyrite +/- arsenopyrite. Lesser amounts of sulphides were noted in Unit 3 exposures in this area, most prominently along fault traces. *These are targets for exploration focus.* The major through-going north-south Connector Fault to the east of this area and shearing along the N-S shear further to the east within the Bloom claims in the area with copper sulphides require further study to place them in an exploration context.

Mineralization

Westmin conducted extensive prospecting during its 1996 and 1997 exploration programs on and around the region surrounding the Reef Property. Rimfire Minerals (now Kiska Metals), in 1998, collected additional detailed soil samples and geological mapping of the Camp Cirque area. In 2010, Strategic Metals performed one day of prospecting on the Fer Zone. In 2011, Precipitate completed additional rock, soil, heliborne geophysics and geological mapping on the whole Reef property, with emphasis on the Fer Zone. Detailed mapping and sampling work in 2012 focused on the Camp Cirque, Northeast Grid and South Grid areas. Additionally, the reader is directed to the Gibson-Lucas 2012 geology-mineralization summary in Section 4.2. <u>Exploration completed to date indicates that the Camp Cirque and Northeast Grid areas are priority for future work.</u>

Gold mineralization is associated with sulphide minerals and their weather oxidation products accompanied by silica (veins and or flooding). The main sulphide mineral associations are pyrite +/- arsenopyrite in variable amounts but generally less than 5%, and with lead (galena) and occasionally trace levels of other base metals. Sulphides occur in quartz veins – as large blebs, fracture coatings and fine grained disseminations. Galena is observed in quartz veins and less commonly as disseminations in the host rocks.

Rock sampling has identified elevated gold values in association with silica flooded siliclastics, gossanous structures and at the contact between siliclastic and phyllite units. Large areas of the Fer Zone have been altered by structurally related silica flooding, commonly marked by significant zones

of quartz stockwork development and surface exposures of gossan & ferricrete. Rock sampling of the sizeable silica flood zones shows that gold concentrations are locally highly variable with highs to 2.3 ppm.

Rock sampling by Westmin in 1996 included a *highlight eight metre chip sample* from the Camp Cirque area that returned 1,970 ppb gold. This sample included massive pods of pyrite that appeared to be replacements within altered quartzite (Jones, 1997). Separate grab samples in this area returned 1,080 and 2,280 ppb gold in strongly silicified quartzite containing 5-10% disseminated pyrite and trace arsenopyrite. There is also extensive ferricrete development in this area (Gale, 1998). *Resampling of this Westmin "8m" showing in 2012 yielded disappointing values* of 0.27 ppm Au, 1.9 ppm Ag and 146ppm As (sample number 148951).

In 2010, Strategic Metals collected rock and select soils samples from mineralized locations in the north and south central parts of the Fer Zone. Eaton (2011a) describes mineralization at the Fer Zone's 'south-central' (South Grid) gold-arsenic rich soil zone as covering a 500m by 400m area within a southwest trending cirque on the south slope of an arcuate ridge. Eaton also describes a second arsenic-rich soil zone extending for an additional + 750 m to the northeast of the 'south-central' zone, into the adjacent cirque (Northeast Grid). Strategic's South Grid rock samples were all taken within locally gossanous quartzite and quartz grit, which have been cut by extensive quartz stockwork zones and north and west trending faults. Of these samples, 12 yielded weakly to very strongly anomalous values for gold (between 0.105 and 1.38 g/t with an average of 0.435 g/t). Three samples returned arsenic values exceeding 10,000 ppm, while twenty others averaged 1,095 ppm arsenic (between 202 and 4,280 ppm). Strategic reported that the mineralization in the Northeast Grid is poorly constrained in comparison to the South Grid. Strategic's Northeast Grid rock samples were collected along or adjacent to a southeasterly trending fault, primarily within limestone and phyllite. Seven samples taken along a 1,500 m strike length from this structure yielded weakly to strongly elevated gold and arsenic values – between 0.180 and 2.28 g/t gold (averaging 1.81 g/t) and between 402 and 12,200 ppm arsenic (averaging 3,574 ppm). The grab sample that returned 2.28 g/t gold was comprised of limonite and strongly silicified quartzite with 10% finely disseminated pyrite and trace arsenopyrite.

Quinton Hennigh P. Geo. conducted a site visit for Precipitate in September 2011 to outline possible deposit models for the project. Hennigh did not observe features typical of an intrusion related mineralizing event. He located a ramp (anticline) fold in conglomerates within the Camp Cirque area that are silicified and contain appreciable sulphide (apy-py) mineralization along its axial plane. A number of rock samples collected along the axial trace including local float returned abundant arsenic results, however only one of these samples returned a significant gold result of 551ppb (sample QKR5) even though historic sampling of various features in the area had returned a number of +1 g/t results. Hennigh concludes that the alteration and mineralization along the axial trace was likely emplaced by orogenic fluids flow during deformation of the rock.

In May 2012, three polished thin sections were made from Hennigh's quartz flooded arsenopyrite enriched quartz breccia rock samples for petrographical studies. The review completed by Colombo (2012) describes all three samples as brecciated quartz, white mica (sericite), arsenopyrite replacement zone, with a trace clay component (kaolinite?). Together, the collective vein mineralogy and common vuggy quartz habit indicate 'high level' source aqueous fluids or vapours of extremely low ph (acidic).

3.3 Deposit Type

The paragenesis of Upper Hyland Gold Trend mineralization is not well understood. Initial modeling of the trend proposed that intrusion of Cretaceous aged magma outcropping in several large bodies to the west of the trend had generated hydrothermal fluids which deposited gold and other metals (Jones and Caulfield 2000). These plutons are part of the south end of the Tombstone belt and related reduced intrusion-related gold systems (RIRGS), as outlined by Craig Hart (Hart 2007) and others, which extends for over 500 km to the northwest. A study of the Upper Hyland Gold Trend by Hart and Laura Lewis (2006) for the Yukon Geological Survey concluded that a number of features typical of the RIRGS model are absent in the Upper Hyland gold trend. They proposed instead that the gold occurrences of the Upper Hyland trend were emplaced by hydrothermal fluids generated by an orogenic system.

Target mineralization on the Reef Property is orogenic gold hosted in quartz veins (Stroshein 2011 and Hennigh 2011). In general terms, orogenic gold deposits are found in structurally focussed quartz veins which crosscut a wide variety of host rocks and are localized along or in proximity to major regional faults and related splays. The systems tend to have low sulphide concentrations. The wall rock is typically altered to silica, pyrite and muscovite within a broader carbonate alteration halo. The deposits can form tabular to large networks of quartz veining in competent brittle host lithologies or volumetrically smaller veinlets and stringer stockworks in ductile lithologies. Typically the deposits occur as a system of en echelon veins on all scales. Lower grade bulk-tonnage styles of mineralization may develop in areas marginal to veins with gold associated with disseminated sulphides. Deposits of this type in the Yukon may include Caribou Creek (Minfile 115I 049), Skukum Creek (Minfile 105D 022) and Hyland Gold (Minfile 095D 011).

Hart and Lewis noted the spatial relationship between the March Fault and the gold occurrences of the Upper Hyland Gold Trend. They also noted that the Hyland Gold deposit some 150 km to the south is in a similar setting, including proximity to the north-south trending Quartz Lake Lineament and being associated with magnetic lows (as indicated by regional airborne surveys). They postulated that the March Fault is a deep seated suture that acted as control for metal bearing fluids generated during regional deformation. They suggest the March Fault and the Quartz Lake Lineament further south are related as their traces are marked by series of similar magnetic lows. The March Fault trace terminates to the north of the Upper Hyland area at the contact of Devonian aged Earn Group rocks, suggesting the fault was largely active prior to the upper Devonian (Hart and Lewis, 2006).

At Reef, the notable gold mineralization and soil anomalies identified to date outline what appear to be a number of sediment hosted, low grade, bulk tonnage disseminated gold exploration targets. These include the priority Northeast and Camp Cirque areas of the Fer Zone.

4.0. Exploration

4.1 Historical Exploration

In 1961, the Geological Survey of Canada (GSC) conducted a regional airborne magnetic survey over NTS map sheet 105H (Geological Survey of Canada, 1961). A regional magnetic low was outlined in the area now covered by the Reef Property.

In 1987, the GSC completed a regional stream sediment sampling survey on NTS map sheet 105H (Hornbrook and Friske, 1988). A sample from a creek draining the north end of the Property returned strongly anomalous values (98th percentile or greater for that survey) for gold (18 ppb), arsenic (250 ppm), zinc (588 ppm) and copper (142 ppm).

In 1994, Westmin Resources Limited performed a regional stream sediment sampling program that covered an approximately 7,000 km^2 area, stretching from the BC-Yukon border to the headwaters of the Hyland River (Jones and Caulfield, 2000). The survey was designed to test for distal (Telfer-style), sediment-hosted gold deposits in the Hyland Group sedimentary rocks. The strongest cluster of gold and arsenic results (greater than 90th percentile) from this survey were obtained from the area of the Reef Property.

In June 1996, Westmin staked the Fer 1-76 claims to cover drainages that produced the anomalous stream sediment samples (Jones and Caulfield, 2000). Westmin conducted geological mapping, prospecting and contour soil sampling, and added the Fer 77-118 claims in July of that year. This work identified very high gold and arsenic values within areas of gossanous siliciclastic rocks. Gold values ranged from background to 1970 ppb in rock and 1870 ppb in soil. Arsenic values were commonly greater than 100 ppm in both rock and soil, and ranged up to greater than 1% in rock and 2330 ppm in soil (Jones and Caulfield, 2000).

In 1997, Westmin carried out additional geological mapping and grid soil sampling on the Fer property (Gale and Terry, 1998). Several samples of silicified quartzite with quartz veining and sulphide mineralization (arsenopyrite and pyrite) yielded between 0.100 and 2.28 g/t gold and 38 and 12200 ppm arsenic. Anomalous gold and arsenic values were also obtained from other rock types. Numerous weakly to very strongly anomalous gold and arsenic values were obtained from two soil sample grids on the Fer property, which corresponds to the South and Northeast grids. Elevated values for these elements tended to cluster and ranged from 50 to 1820 ppb gold and 100 to 5430 ppm arsenic.

In 1998, Rimfire Minerals Corporation optioned the Fer property from Westmin. Rimfire wanted to examine the potential for large tonnage, disseminated gold deposits on the property. It followed up the anomalous gold and arsenic values in soil on Westmin's grids by collecting closely-spaced chip samples. It also completed minor detailed mapping of the anomalous zones in conjunction with the sampling (Jones and Caulfield, 2000). In June, 2009 the Fer claims were allowed to expire.

In July 2010, Strategic Metals re-staked the Reef claims over much of the former Fer claim block and completed one day of prospecting and grid soil sampling (Eaton 2011a). Strategic Metals' exploration program was primarily designed to identify a bedrock source for the very strong gold and arsenic in-soil anomaly on the more southerly of Westmin's South and Northeast soil grids. A total of

33 rock samples were collected by Strategic Metals and many yielded elevated values for gold (up to 2.28 g/t).

In early 2011, Precipitate Gold Corp optioned the Reef claims and the Jay claims from Strategic Metals and Bearing Resources, respectively. Shortly afterward, Precipitate staked the Bloom 1 to 262 claims to the east. In May 2011, Precipitate completed a heliborne magnetic gradiometric and radiometric survey over the western half of the property. The VLF-EM data was not usable due to poor quality data attributed to early season conditions. The results of this airborne geophysical survey are presented in assessment reports by Eaton 2011(b) and Moore 2012.

During the period from July 2011 to May 2012, Precipitate carried out soil (grid and contour/ridge), stream silt and rock sampling, geological mapping/prospecting, rock petrography, 3D inversion modeling of the 2011 airborne magnetics and comprehensive digital data/map compilation (Moore 2012). A total of 144 rock, 841 soil and 113 silt samples were collected and analyzed. A total of $174,111 in expenditures was incurred.

In April 2013, Precipitate announced that it had fulfilled its Strategic Metals option agreement for those Reef (1 to 48) and select Bloom claims, so that Precipitate owns the claims 100% (with a 2% NSR for Strategic).

4.2 Precipitate June to November 2012 Exploration

From June 01 to November 14, 2012, Precipitate carried out soil (grid and contour) and rock sampling, detailed geological mapping/prospecting and YESAB-First Nations permitting & consultations. An independent heritage resource desktop overview assessment was completed in June 2012 and later in July a preliminary field nature-cultural assessment of the three proposed road accessible exploration camp areas was conducted. A total of 57 rock and 231 soil samples were collected and analyzed. A total of $88,748.69 in expenditures was incurred.

Table 4.2 Exploration Expenditures June to November 2012

Geological Consulting: Korpach, C. Kieslinger, McLeod Williams, Cantana, EcoFor	$	36,037.15
Air Support: Alkan + Fireweed	$	22,974.50
Accomdations, Transportation and Shipping	$	2,745.42
Soil-Rock Sampling & Analytical: Acme (231 soil, 57 rock)	$	7,980.92
Field Supplies, Maps, Airphoto Images	$	7,442.64
Report: Moore, Kieslinger, Korpach	$	3,500.00
subtotal	$	80,680.63
Office and General Management @ 10%	$	8,068.06
TOTAL	**$**	**88,748.69**

The following is a summary of the June 01 to November 14, 2012 exploration completed by Precipitate on the Reef Project. Appendix A contains various geochemical and geological compilation maps, Appendix B contains sample descriptions and Appendix C contains sample analytical certificates.

Data Compilation and Maps

A comprehensive review, screening and restructuring of the Reef property geochemical, geophysical, surveying and geological data was completed in 2011. Data gathered during the 2012 season has been added to the project data set. All relevant property data is fully digitized to a Manifold GIS platform, on a NAD 83 topographic base. The data set also includes (i) SPOT 2.5 metre satellite imagery (color digital ortho mosaics of false colour infrared (FCIR) and B543 false colour), (ii) black & white air photo mosaics and (iii) miscellaneous airborne geophysical images + multiple 3D magnetic susceptibility inversion models. Precipitate has generated numerous digital property compilation maps to aid future exploration, many of which are included in the Moore 2012 assessment report. The following is a list of select compilation maps included in Appendix A of this report.

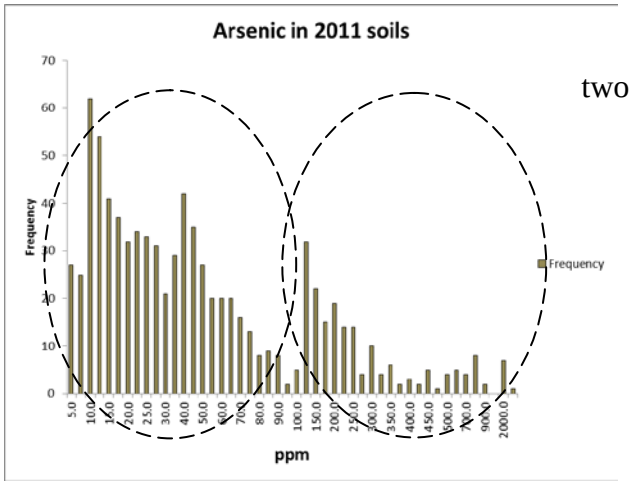
- Reef 2012 Sample Location Map
- Reef Property Geology
- Fer Zone 2012 Mapped Geology
- Fer Zone 2012 Mapped Geology with 2011 Craggs geology
- Fer Zone Gold Soil, Rock, Silt Samples + Geology
- Fer Zone Gold Soil, Rock, Silt Samples
- Fer Zone Antimony Soil, Rock, Silt Samples
- Fer Zone Arsenic Soil, Rock, Silt Samples
- Fer Zone Lead Soil, Rock, Silt Samples
- Fer Zone Zinc Soil, Rock, Silt Samples

Soil Geochemical Survey

As a follow up to the preceding years' soil sampling, Precipitate's 2012 gridded soil samples were collected from select locations on the south (downslope) part of the South Grid area and over much of the Camp Cirque valley. Additionally, a single east-west contour soil line was run on the south slope of the valley which yielded some anomalous gold in silt values in 2011. A total of 231 soil samples were collected. Sample collected within the Fer Zone areas were at 50 metre intervals. Samples collected on the single east-west contour line were at 100 metre intervals.

Statistical analysis of property wide soil sample results indicates a *moderate gold correlation with arsenic* and a weak gold to lead and antimony correlation. The histogram plot of the 2011 soil data suggests two populations of arsenic are present in the data. See also the Moore 2012 report for additional soil-silt statistics.

Arsenic in Soil Sample Histogram; 2011 samples ONLY



two As populations

REEF Sample Statistical Thresholds

Gold (ppb)	Arsenic (ppm)	Antimony (ppm)	Percentile
All Precipitate Soils-Silts + Historical Soils & Silts (n = 2879)			
< 16	< 128	< 1.6	sub-anomalous
16 – 30	128 – 204	1.6 – 2.0	75%
30 – 80	204 – 472	2.0 - 4.0	85%
80 – 237	472 – 993	4.0 – 8.0	95%
> 237	> 993	> 8.0	99%
1,870	5,430	16.5	maximum
Silts 2011 Precipitate (n = 213; includes both + and – 150 mesh fractions)			
<14	< 26	< 0.9	sub-anomalous
14 – 18	26 – 36	0.9 - 1.0	75%
18– 31	36 – 54	1.0 - 1.3	85%
31 – 59	54 - 82	1.3 - 1.6	97%
> 59	> 82	> 1.6	99%
126	174	2.26	maximum
All Rocks: Precipitate + Historical (n = 548)			
< 40	<177	< 2.0	sub-anomalous
40 – 75	177 – 434	2.0 – 2.7	75%
75 – 260	434 – 3077	2.7 – 9.0	85%
260 – 1037	3077 – 10,000	9.0 – 17	95%
> 1037	> 10,000	>17	99%
2,280	12,500	94.0	maximum

Sixteen soil samples were collected on a contour line testing the south slope of the major east-west trending valley that reported elevated gold in-silt samples in 2011. Only two soil samples yielded moderately anomalous values: Samples PS4 and PS 5 (separated by 50m) reported gold–arsenic values of 41.8 – 206.5 and 15.2 – 33.9, respectively. Soil samples collected in 2011 on the ridge top above and south of the 2012 soils reported no anomalous values. Thus sampling indicates that the south slope of this major east-west drainage is a low priority for future exploration.

The Fer Zone soil data set has identified numerous anomalous zones enriched in gold, arsenic and antimony (± base metals). Gold and arsenic particularly illustrate *a dominant NNE to NE trend, which reflects zones of structural dilation* as suggested by Craggs (2011) and the 2012 mapping (see more below). A *second southeastward mineral enrichment trend is related to both stratabound and/or structural dilation within fold structures*. The soil geochemical maps show three anomalous areas within the Fer Zone: Camp Cirque, Northeast Grid and South Grid. Together, the three zones loosely define an anomalous area measuring up to3.8km long by 2.5km wide.

Northeast Grid Zone is underlain by a moderately strong north-northeast trending gold anomaly that measures about 2.2 km long by up to 0.9 km wide. The gold in-soil anomaly coincides relatively well with elevated arsenic, antimony, lead and zinc (see below for more details).

The Camp Cirque Zone gold in-soil anomaly is of modest strength and has an irregular outline being comprised of numerous small clusters of anomalies which collectively have a northwest trend down the centre of the cirque valley; marking the trace of an anticline (see photo on cover page of this report). The multi-element soil anomaly measures about 2.3 km by 0.45km, overlapping with the Northeast Grid soil anomaly on its eastern extent. The gold in-soil anomaly coincides relatively well with elevated arsenic, but only weakly with antimony, lead and zinc (see below for more details).

The South Grid Zone soil anomaly is located on the southwest area of the Fer Zone soil grid, forming a broad lobate shape with a northeastward bias. This multi-element anomaly measures about 1.1 km by 0.8 km. The gold in-soil anomaly is robust and coincides relatively well with elevated arsenic, weakly with antimony & lead and very poorly with zinc. This anomaly area is coincident with the anomalous 'south-central area' rock samples collected by Strategic (2010) and Hennigh et al (2011); an area of locally gossanous quartzite and quartz grit, which have been cut by extensive quartz stockwork zones and north and west trending faults. The size of the South Grid anomaly is likely exaggerated by extensive down slope dispersion in a southward direction (see below for more details).

Mineralization vs. Soil-Silt Sampling (after Gibson & Lucas 2012)
Generally, the known areas of Reef property alteration and mineralization are associated with soil/silt anomalies of variably enriched gold, arsenic, antimony, copper, and lead. Overall, gold appears to moderately correspond with arsenic and weakly with antimony, silver, and lead. The strongest anomaly(s) occur within the South Grid area, followed by the Northeast Grid and Camp Cirque area. However, when reviewing the soil data caution must be taken to assess the soils on an area by area basis. The strong gold anomaly at the South Grid appears to be bracketed by two NNE oriented fault structures. Two factors need to be considered regarding these anomalies: a) the majority of samples from the South Grid are silts or talus fines which will typically be enriched compared to standard soils, and b) the anomalies are dispersing southward downhill from topographic highs where NNE faults are mapped. *Notably, the observed alteration/mineralization in outcrop at the South Grid is restricted to relatively narrow widths (<1m) along NNE oriented structures and given the topographic relief and sampling medium, could lead to a large surficial anomaly that's not representative of the bedrock source. The opposite is likely the case in the Camp Cirque and Northeast Grid areas. The zone(s) of alteration/mineralization outcrop within a cirque valley, and the bulk of soil/silt samples in the area are likely in glacial till which will dilute the geochemical response of gold in the area*. Furthermore, the samples that are enriched in gold typically respond to areas with mapped outcrop and zones of alteration/mineralization; especially for the Northeast and South Grid areas.

Caution also needs to be taken when reviewing the Reef soil/silt database holistically. Not only are there samples with variable media, but the samples were taken by multiple operators and assayed using different techniques. This is typically not a substantial issue for gold, but can be problematic for multi-element geochemistry (2 acid vs 4 acid digestions, variable elemental thresholds, etc.). Ultimately, the data needs to be reviewed, filtered, and levelled (if possible) to ensure consistency and accuracy across the various datasets.

Gibson & Lucas 2012 Geological Mapping

The following is the November 2012 Reef Geology, Mineralization, and Structure report written by J. Gibson P.Geo and K. Lucas P.Geo. See also Appendix A for the Fer Zone geological and geochemical maps.

Introduction

An eight day mapping and reconnaissance program was performed on the Reef Property for Precipitate Gold from August 7 – 14, 2012. The purpose of the program was to geologically map areas of known gold mineralization, specifically the Camp Cirque, Northeast Grid, and South Grid areas, to better understand the structural setting, alteration, and controls on mineralization. Previous work in the area by Westmin Resources (Gale & Terry 1998), Rimfire Minerals Corp. (Jones & Caulfield 2000), and Precipitate Gold (Stroshein 2011, Craggs 2011, and Moore 2012) were utilized to design the program. This report focuses on the work conducted during the 2012 field season. All work for the program was helicopter support and was based out of Aben Resources Justin Camp approximately 25km SE of the project area. All data for the program was collected in UTM coordinates using the NAD 83, Zone – datum.

Geology

Three main lithological units were noted on the Reef property. The most prominent and variable is a massive to foliated quartz conglomerate (unit 'q'). Clast size ranges from mm-scale to 2cm and are typically well sorted. Clast composition is 85% quartz (both white and smoky grey) and 15% shale-sandstone. The unit is often silicified and typically carries quartz veins. In the less silicified showings, the quartz veining is more prominent and shows up to three generations. These larger multi-generational veins are often associated with spotty chlorite alteration along vein edges and within the veins. In the silicified showings the veining is more stringer style, 2-4mm wide. The silicified version of this unit is exposed in the bottom of the Camp Cirque and along all the ridge tops. A brecciated version of the conglomerate (with some black shale included) occurs in the areas of strongest silicification. A more rare version of the conglomerate was noted in three separate outcrops and is finer grained, strongly foliated and shows local sericite alteration (unit 'qo').

Often in contact with the quartz-conglomerate is a thick unit of black to light grey shale (unit 'sh'). This unit is strongly foliated, often carrying evidence of two generations of foliation and a strong, later NW fabric. The most prominent feature of this unit is a well-defined pencil cleavage due to the many fabrics that are preserved (Photo 1). The shales are mainly exposed in the Camp Cirque and along the ridgetops surrounding the South Grid soil anomaly. This unit is very fine grained and only rarely shows evidence of graded bedding where localized sections grade from sand to shale (Photo 2), with one outcrop indicated overturned bedding, proximal to the core of the anticline running through the Camp Cirque area (see cover page). *Very rarely was quartz veining encountered in this shale unit, and was never associated with mineralization*. Locally, in the valley bottom of the Camp Cirque, this unit appears to be a phyllite. There is a very discontinuous exposure of this phyllite in the outcrops and appears to be very localized.

Photo 1 – Pencil cleavage in shales on the Reef property

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Photo 2 – Graded bedding in shale, Southern Grid area.

The third lithological unit that was encountered was a thick sequence of interbedded shales, sandstones and fine grained quartz conglomerate (unit 'in'). Bedding is very prominent in all outcrops, with obvious evidence of two generations of foliation, typically in the more incompetent layers. This unit is mainly exposed in the southeast soil anomaly and in the cirque between the Camp Cirque and the South grid soil anomaly. *This unit is typically very featureless with no veining*, but becomes very broken up by the prominent NNW structures in the area of the southeastern soil anomaly.

Although not associated with any historical mineralization or soil anomalies, it is important to note the presence of the typical green-maroon shales of the Narchilla Fm. These shales were exposed in a creek in the bottom of a cirque east of the main soil anomalies, located at approximately 527520mE and 6863130mN (about 4.2km east of the Fer Zone anomalies; covered by the Bloom 62 & 87 claims). Sitting above these shales in the same cirque are interbedded shale and quartz conglomerate of the Yusezyu Fm. The stratigraphic relationship of these units has been confirmed previously, and it is understood that the Narchilla Fm is the younger of the two formations. No graded bedding was observed in order to determine if the sequence was overturned or not. The observation that either a large (km scale) normal fault exists in this area, or that the entire sequence is overturned may be very important to the overall interpretation of the property geology.

Structure

The structure of the Reef property is comprised of a series of SE plunging anticlines-synclines that are tightly folded and north verging in the Northeast Grid, becoming open and gently rolling in the South Grid. These folds are cut by a series of N-NE, generally sinistral dip slip (SE side down) structures of varying length and displacement. Later NW sinistral dip slip (NE side down) features cross the property. The early anticline-synclines were mapped out using bedding, younging directions and outcrop scale fold plunges. Folded outcrops exposed in the Northeast Grid indicate proximity to the core of a north verging anticline. Meter-scale folds exposed in outcrop across the property show plunges typically less than 20 degrees towards the SE (variable depending on location within the limb, Photo 3). The NNE structures appear as a spaced cleavage within the thick exposures of shale but are clearly defined structures when exposed within the interbedded units. These NNE structures are often associated with meter-scale sinistral quartz tension gashes that have similar timing and orientation with the mineralization in the South Grid (Photo 4).

All graded bedding noted on the property shows a younging upwards direction, with the exception of one outcrop of overturned shale. This outcrop occurs in the Northeast Grid, in the area of strongest folding (approximately 523670mE, 6864363mN). It is possible that this represents a very local overturned fold (note north vergence mentioned above) or is an indication of a regional scale feature (recumbent fold or thrust) that is underlying the Reef property. Further evidence for overturned units can be taken from the exposure of the Narchilla formation below the Yusezyu formation in the eastern portion of the property approximately 527520mE and 6863130mN (noted above).

In the area between Camp Cirque and the South Grid outcrop exposure is 90% interbedded sandstone-shale-conglomerate. These outcrops have well preserved bedding-cleavage relationships. Often two sets of cleavage were observed in outcrops where a strong competency contrasts exists between the interbedded layers. This may be evidence of an earlier event that has yet to be identified. The bedding parallel foliation that is observable is strongly crenulated.

Photo 3 – Meter – scale SE plunging folds in grits and shales, Camp Cirque area.

Photo 4 – Meter scale gouge/alteration zone associated with north-northeast oriented fault in the Southern Grid area.

The quartz conglomerate along the ridges in the south central portion of the mapping area show abundant extensional quartz-carbonate veining. The carbonate has preferentially eroded away, exposing the fibrous quartz that runs perpendicular to the vein walls. The two main generations of quartz-carbonate veining are ESE, parallel to the early fold axes, and NNE parallel to the younger regional fabric. *It is the younger generation of veining {second generation of three ages of veins} that appears to host the mineralization; defined by large areas of pervasive silicification with disseminated to vein controlled pyrite, arsenopyrite, and lesser galena and chalcopyrite.*

Alteration

Four styles of alteration were encountered on the Reef property. The most widespread is silicification within the quartz conglomerate. The *silicification occurs with varying degrees of intensity, with the strongest occurring within the core of the northern most anticline in the Camp Cirque* (Photo 6), *and as narrow (<1m) selvages along NNE oriented structures across the property.*

Photo 6 – Pervasively silicified quartz-conglomerate with disseminated pyrite – arsenopyrite: Camp Cirque area.

Weak silicification occurs throughout much of the other exposures of conglomerate, but is manifested by a stockwork of quartz veining. Three large halos of carbonate alteration were mapped, two along the eastern ridgeline of the Camp Cirque and one in the valley of the Camp Cirque. All three areas of carbonate alteration are proximal to the strongest silicification and mineralization (Photo 7).

The third and least prominent alteration is a dark green, occasionally fibrous chlorite that occurs within and along the edges of the quartz veining in the stockwork hosted in the quartz conglomerate. The chlorite appears to occur along the flanks of the carbonate halos. Sericite alteration occurs very locally along specific horizons and in discreet beds. Very locally there is weak quartz-sericite alteration in the black shales. Sericite was noted in the fine grained quartz grit unit and in the

mineralized sandstone layers along the northern margin of the Camp Cirque. The shales adjacent to the altered sandstone show weak quartz-sericite alteration.

Photo 7 – Carbonate altered quartz git near the Northeast Grid area. Note the distinct weathering pattern.

Mineralization

Sulphide mineralization noted on the Reef property includes pyrite, arsenopyrite, galena, chalcopyrite and malachite. *The quartz conglomerate (with its associated breccia and fine grained foliated version) appears to be the main host for mineralization on the Reef property*. Mineralization does occur within the interbedded shale-sandstone-conglomerate unit, but is hosted along the NNW structures and not disseminated within the rock. Where this interbedded unit is proximal to the silicified quartz grit in the Camp Cirque area, the smaller sandstone beds are preferentially mineralized. The mineralized quartz conglomerate can be traced for over a kilometer E-W along the valley of the Camp Cirque.

The most prominent sulphide is pyrite, occurring as stringers, blebs, cubes and as disseminations. The pyrite content increases with the degree of silicification, particularly within the quartz conglomerate. Where the silicification is strongest the conglomerate carries up to 3% disseminated pyrite, and the unit takes on dark grey colour. Locally pyrite content can be as high as 5% in the conglomerate-shale breccia. Rare stringers of pyrite were found parallel to foliation in some float pieces within the Camp Cirque area.

Fine grained disseminated arsenopyrite occurs with the disseminated pyrite in the silicified areas, as well as 1-3 cm blebs in the quartz veins proximal to the strongest silicification. In the vein occurrences of arsenopyrite there is typically little to no pyrite. Galena was noted in two very

separate environments. The first being in the quartz-carbonate-chlorite veins within the conglomerate, outside of the main areas of silicification, observed along the ridge top of Camp Cirque and the second as millimetre scale blebs in the strongly altered and foliated fine grained version of the quartz conglomerate, where it occurs with disseminated pyrite, arsenopyrite and stockwork quartz veining. The second style of galena mineralization was noted in the strongly folded rocks in the Northeast Grid area. Chalcopyrite and malachite were only noted on two occasions, both within the quartz-carbonate-chlorite veins in the conglomerate along the ridge tops of Camp Cirque and along the mapped ridge to the east of the South Grid. In both showings the chalcopyrite occurred as 1-2cm blebs with malachite along the margins. It is important to note that quartz stockwork veining on the Reef property is not always an indicator for mineralization.

Three generations of veining were noted on the Reef property. The earliest vein sets are sheeted–stockwork quartz veins and stringers and locally vein may be up to 1m wide. These veins are deformed, often forming en-echelon arrays, are rarely mineralized (pyrite) and are cross cut by both later generations (Photo 8). The second set of veins are quartz stockworks and stringers associated

Photo 8 – Early, deformed quartz veins in grit on the Reef property.

with pervasive silicification and disseminated pyrite +/- arsenopyrite +/- galena +/- chalcopyrite and are predominantly observed in the Camp Cirque and Northeast Grid areas. The third generation of veins are quartz-carbonate +/- chlorite. They typically occur with broad areas of carbonate alteration adjacent to zones of pervasive silicification and commonly have pyrite +/- arsenopyrite +/- galena +/- chalcopyrite along vein selvages. Within these veins the carbonate has preferentially weathered away the remaining quartz fibers are perpendicular to the vein walls indicating late extension on the property.

Mineralization vs. Soil-Silt Sampling (after Gibson & Lucas 2012)

Generally, the known areas of Reef property alteration and mineralization are associated with soil/silt anomalies of variably enriched gold, arsenic, antimony, copper, and lead. Overall, the gold appears to moderately correspond with arsenic and weakly with antimony, silver, and lead. The strongest anomaly(s) occur within the South Grid area, followed by the Northeast Grid, and Camp Cirque area. However, when reviewing the soil data caution must be taken to assess the soils on an area by area basis. The strong gold anomaly at the South Grid appears to be bracketed by two NNE oriented fault structures. Two factors need to be considered regarding these anomalies: a) the majority of samples from the South Grid area are silts or talus fines which will typically be enriched compared to standard soils, and b) the anomalies are dispersing southward downhill from topographic highs where NNE faults are mapped. Notably, the observed alteration/mineralization in outcrop at the South Grid is restricted to relatively narrow widths (<1m) along NNE oriented structures and given the topographic relief and sampling medium, could lead to a large surficial anomaly that's not representative of the bedrock source. The opposite is likely the case in the Camp Cirque and Northeast Grid areas. The zone(s) of alteration/mineralization outcrop within a cirque valley, and the bulk of soil/silt samples in the area are likely in glacial till which will dilute the geochemical response of gold in the area. Furthermore, the samples that are enriched in gold typically respond to areas with mapped outcrop and zones of alteration/mineralization.

Caution also needs to be taken when reviewing the Reef soil/silt database holistically. Not only are there samples with variable media, but the samples were taken by multiple operators and assayed using different techniques. This is typically not a substantial issue for gold, but can be problematic for multi-element geochemistry (2 acid vs 4 acid digestions, variable elemental thresholds, etc.). Ultimately, the data needs to be reviewed, filtered, and levelled (if possible) to ensure consistency and accuracy across the various datasets.

Gibson & Lucas 2012 Conclusions and Recommendations
See Section 7.

Ecofor independent heritage resource desktop overview
An independent heritage resource desktop overview assessment was completed in June 2012 and later in July a preliminary field nature-cultural assessment of the three proposed road side exploration camp areas was conducted by Ecofor Consulting. Mooney (2012) reports that potential field camp location options 1 and 3 were assessed and deemed to have low in-field potential, while Option 2 is noted as moderate. If ground disturbing activities are proposed for the field camp option 2, then a Heritage Resources Impact Assessment (HRIA) with subsurface testing along the raised landform archaeological potential zone is recommended. If exploration goes beyond the sites visited, within areas of identified potential, it is recommended to conduct further assessments prior to development. Furthermore, if the project moves beyond exploration it is recommended those proposed areas of development are the subject of a Heritage Resources Impact Assessment. It is recommended, if possible, to construct the proposed field camp on option 1 or 2. This would minimize the disturbance in the area, as well as limit the potential to impact possible heritage resources. If camp location option 1 or 3 are selected then no further heritage impact assessment work is recommended.

5.0 Sampling Methods, Preparation, Analysis and Security

Soil samples were collected using a stainless steel shovel or trowel. Up to 1 pound of fine material was placed in a Kraft paper bag and closed with a piece of flagging tape. All the sample locations were marked with one large piece of pink flagging tape. One aluminium tag with the sample number written on was attached to the flagging tape. At all sample locations, UTM position, colour, texture, moisture contents, sieve size, and comments recorded. All samples were air-dried while in camp and packed in rice bags for shipping to the ACME prep lab in Whitehorse Yukon. No blanks or samples standards were added to the silt or rock sample shipments.

All rock samples were collected using either a geotool or an Estwing hammer. Rock samples were placed in a plastic bag together with an Acme sample tag. Bags were sealed with flagging tape. All field sample locations are marked with flagging tape and sample number. The location of each sample is recorded in UTM coordinates (NAD83 datum), with the aid of a hand-held GPS (Garmin Map60CS; accuracy ±6m). All rock samples were packed in rice bags and shipped Acme's prep laboratory in Whitehorse Yukon.

Soil Preparation and Analysis
At the Acme prep lab, silts were dried at 60º C, sieved with a -80 mesh, before being sent to the Vancouver BC lab where they were analysed for 37 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy. (Preparation code: SS80; Analyses code: 1DX2, Disposal code: DISP2)

Rocks Preparation and Analysis
At the Acme prep lab, rocks were dried, crushed, split and pulverized. A 250 gram split of the crushed sample was sieved to -200 mesh before being sent to the Vancouver BC lab, where a 15 gram sub-split was analyzed for 37 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy. (Preparation code: R200-250; Analyses code: 1F02, Disposal code: DIS-RJT, DIS-PLP)

6.0 Conclusions & Recommendations

Modified after Gibson and Lucas 2012

Property clastic rocks (i.e. quartz conglomerates) are the main host for gold mineralization and related low percentage sulphides (arsenopyrite-pyrite). Mineralization and alteration has a strong structural component, being controlled and localized primarily along late N-NE oriented structures and the hinges of large SE plunging folds. The folding tightens to the north and likely indicates the presence of a NE directed thrust fault in the area north of Camp Cirque. The most robust alteration and sulfide mineralization (i.e. pervasive silicification and disseminated to fracture controlled pyrite and arsenopyrite) is observed within the Camp Cirque and Northeast Grid areas and corresponds to the hinge of a tight, likely isoclinal, SE plunging anticline. Alteration and mineralization are preferentially localized within clastic units due to favorable permeability and is enhanced in areas of structural intersections (i.e. NE faults) and in areas capped with shale. Future drill testing should consider orienting drilling to optimally bisect both favorable lithologic units and structures.

Future work should focus on the Camp Cirque/Northeast Grid corridor, as this a large area of pervasive alteration with numerous gold anomalous rock samples (>0.1 g/t gold); though few rock assays exceed 1.0 g/t gold. Additional field work should be completed in the areas of elevated gold mineralization to gain insight on the most prospective foci of gold mineralization (i.e. structural-lithological controls, sulfide concentrations, alteration, etc). Despite a number of possible impeding geological and topographic factors, a test Induced Polarization geophysical survey is suggested for these two zones as a means to delineate future drill test targets within the structurally disrupted and silicified sandstones and conglomeratic units. A few test line for the South Grid area should also be considered if budget allow. Additional mapping and prospecting should also be completed to the northwest Camp Cirque and southeast Northeast grid areas to determine if there are additional areas of mineralization along trend.

Within the South Grid area, surface mineralization is preferentially located along NE oriented faults. A large part of this area has strong stockwork quartz veining, however these veins appear to be dominantly early-aged and are rarely mineralized despite coinciding with an aerially extensive and strong gold in-soil anomaly. Soil samples from in this area are more accurately described as rock silt/talus samples and the enhanced gold values (relative to those collected elsewhere on the property) are likely due to enrichment from surficial weathering processes. Downslope dispersion to the south is also a factor causing a likely exaggerated surface area.

Statistical review of the soil, silt and rock data confirms that arsenic is the property's best pathfinder for identifying areas of gold enrichment; the correlation can be locally strong but is most often moderate in tenor. Other elements such as antimony, silver and lead have weak to very weak correlation with gold.

The historical geochemical datasets need to be reviewed with respect to sample location. Current coordinates for some historic samples from the Westmin and Rimfire programs were up to 165m off from the actual field location of the samples (likely due to map projection issues).

If possible future property exploration work should be based from either the Northern Tiger or Aben Resources road accessible camp sites, located about 25 km south of Reef, as this will offer significant cost saving. Also company management should continuously monitor potential project impacts of evolving societal and provincial regulatory influences within the Yukon Territory. These matters include the ongoing Kaska First Nation's land claim negotiations and YESAB related mineral exploration regulations.

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8. Author Certificate

MICHAEL MOORE, P. GEO STATEMENT OF QUALIFICATIONS

I, Michael P. Moore, P. Geo., VP Exploration of Precipitate Gold Corp., HEREBY CERTIFY THAT:

1) I am an independent consulting geologist with a business address at 789 West Pender Street, Suite 860, Vancouver, British Columbia V6C 1H2.

2) I am a graduate of Carleton University, Ottawa Ontario, with a B.Sc. (Honours) in Geology (1989).

3) I am a registered Professional Geologist in good standing with the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC) with member number 21586.

4) I have worked as a geologist for a total of 23 years since graduation from university. I have work experience in most parts of Canada, as well as the United States, Cuba, Mexico, Peru and Ghana.

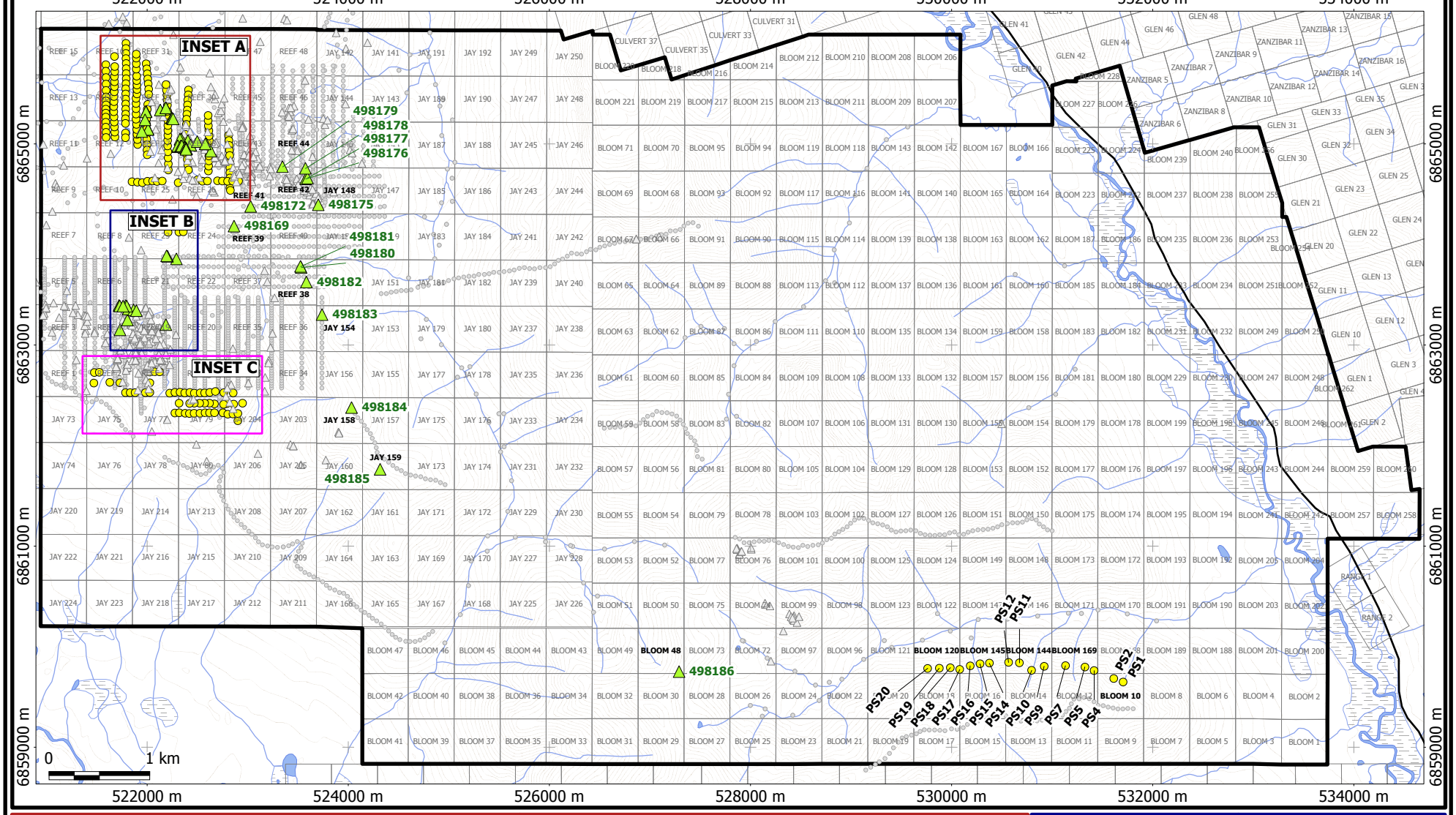
6) I am responsible for the preparation of all sections of the technical report titled "June to November 2012 Exploration Report, REEF Property, Watson Lake Mining District, Yukon, Canada" prepared for Precipitate Gold Corp. dated May 2013.

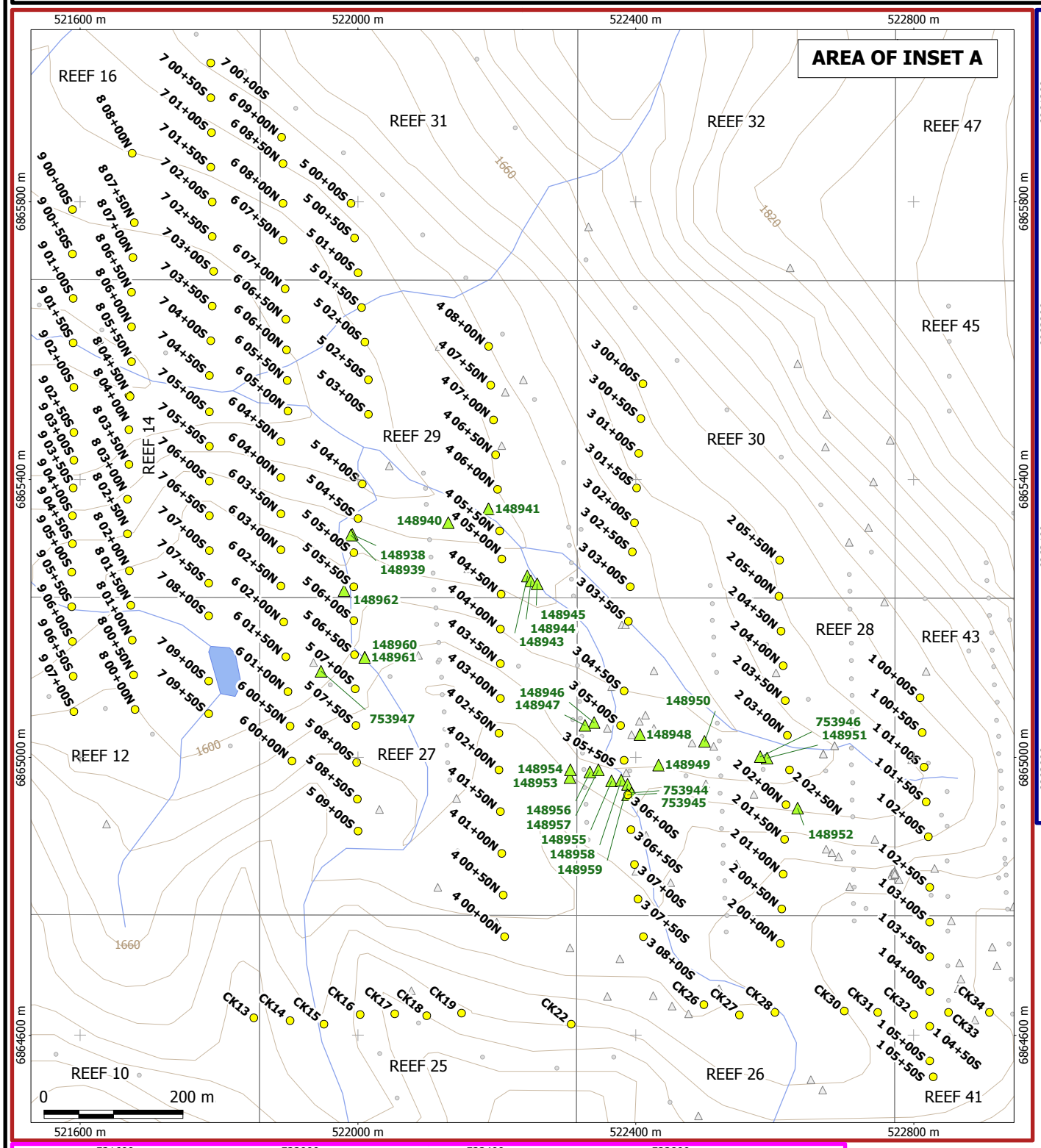
"signed & sealed"
Michael Moore, B.Sc. P. Geo.

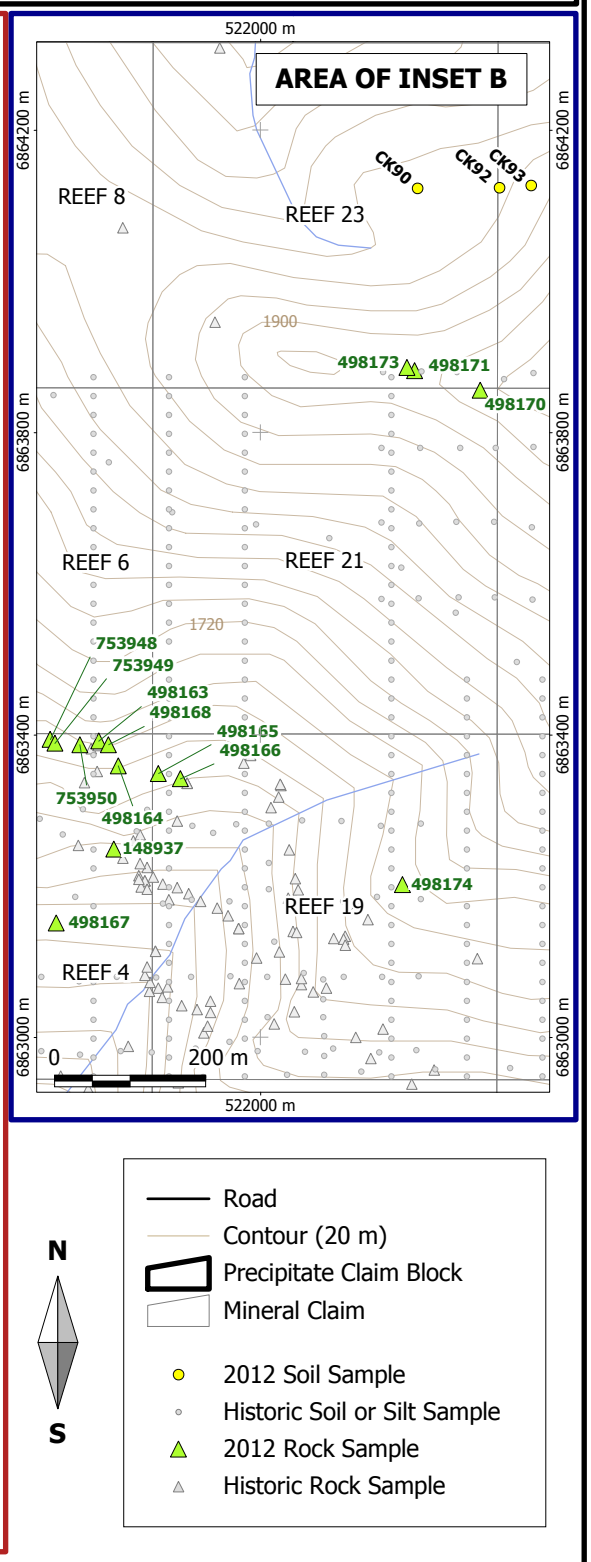
Dated at Vancouver, B.C.
May 03, 2013

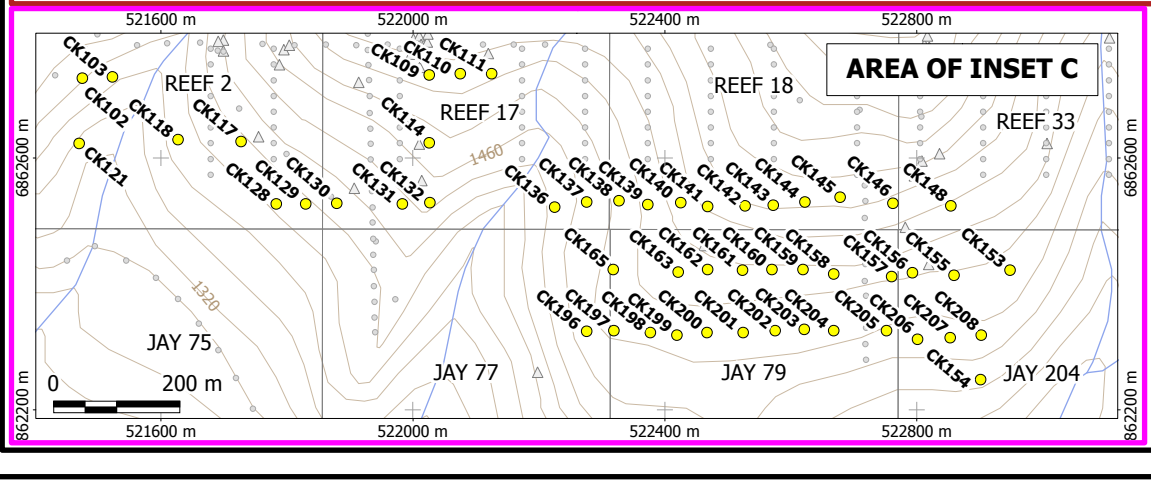
Appendix A: Compilation Maps: Geochemical and Geology

- Reef 2012 Sample Location Map
- Reef Property Geology
- Fer Zone 2012 Mapped Geology
- Fer Zone 2012 Mapped Geology with 2011 Craggs geology
- Fer Zone Gold Soil, Rock, Silt Samples + Geology
- Fer Zone Gold Soil, Rock, Silt Samples
- Fer Zone Antimony Soil, Rock, Silt Samples
- Fer Zone Arsenic Soil, Rock, Silt Samples
- Fer Zone Lead Soil, Rock, Silt Samples
- Fer Zone Zinc Soil, Rock, Silt Samples









PRECIPITATE GOLD CORP.

2012 GEOCHEMISTRY SAMPLE LOCATIONS

REEF PROPERTY

UTM NAD83 ZONE 9

FIGURE

DATE: November 2012

Camp Cirque Area

Fireside Option

Connector Fault

March Fault

Little Hyland River

Heliborne geophysics limit

Bearing Option

property boundary

Fe

Fer

Qtz Vn

10

6866000 mN
6865000 mN
6864000 mN
6863000 mN
6862000 mN
6861000 mN
6860000 mN
6859000 mN

526000 mE
527000 mE
528000 mE
529000 mE
530000 mE
531000 mE
532000 mE
533000 mE

LEGEND

4	Thick-bedded dark grey weathering to green, massive to sporadically foliated, quartz-pebble conglomerate & coarse grained, grey to orange arkosic sandstone with minor polymictic cobble conglomerate debris flows. Rare interbedded thin to very thin dark grey shale and light phyllite.
3	Fine to medium grained, massive to laminated orange to grey, arkosic sandstone and abundant grey to tan phyllite. Minor grey, medium grained quartzite, sericite schist, dark grey shale & slate & green to purple argillite.
2	Grey, non-calcareous, fine to medium grained quartzite with interbedded, fine to medium grained, orange, weak to strongly calcareous sandstone and fine to coarse grained calarenite. Rare light grey laminated limestone, calcareous mudstone and limestone cobble conglomerate. Minor interbedded non-calcareous grey to tan phyllite.
1	Alternating dark green and purple argillite with minor interbedded light grey to tan phyllite and fine to medium grained non-calcareous arkosic sandstone.

Geology modified after Craggs 2011 and Eaton 2011

Outcrop outline

Lithological contact (dashed - inferred)

Fault (dashed - inferred)

Synform axis, plunging in direction of arrow (dashed - inferred)

Bedding orientation

S foliation orientation

Swamp/marsh

Lake/pond

Projection : UTM
Datum : NAD83 Zone 9
Map Sheet: 105H15,16
(contour interval = 20m)

0 2.0
kilometres

PRECIPITATE GOLD CORP.

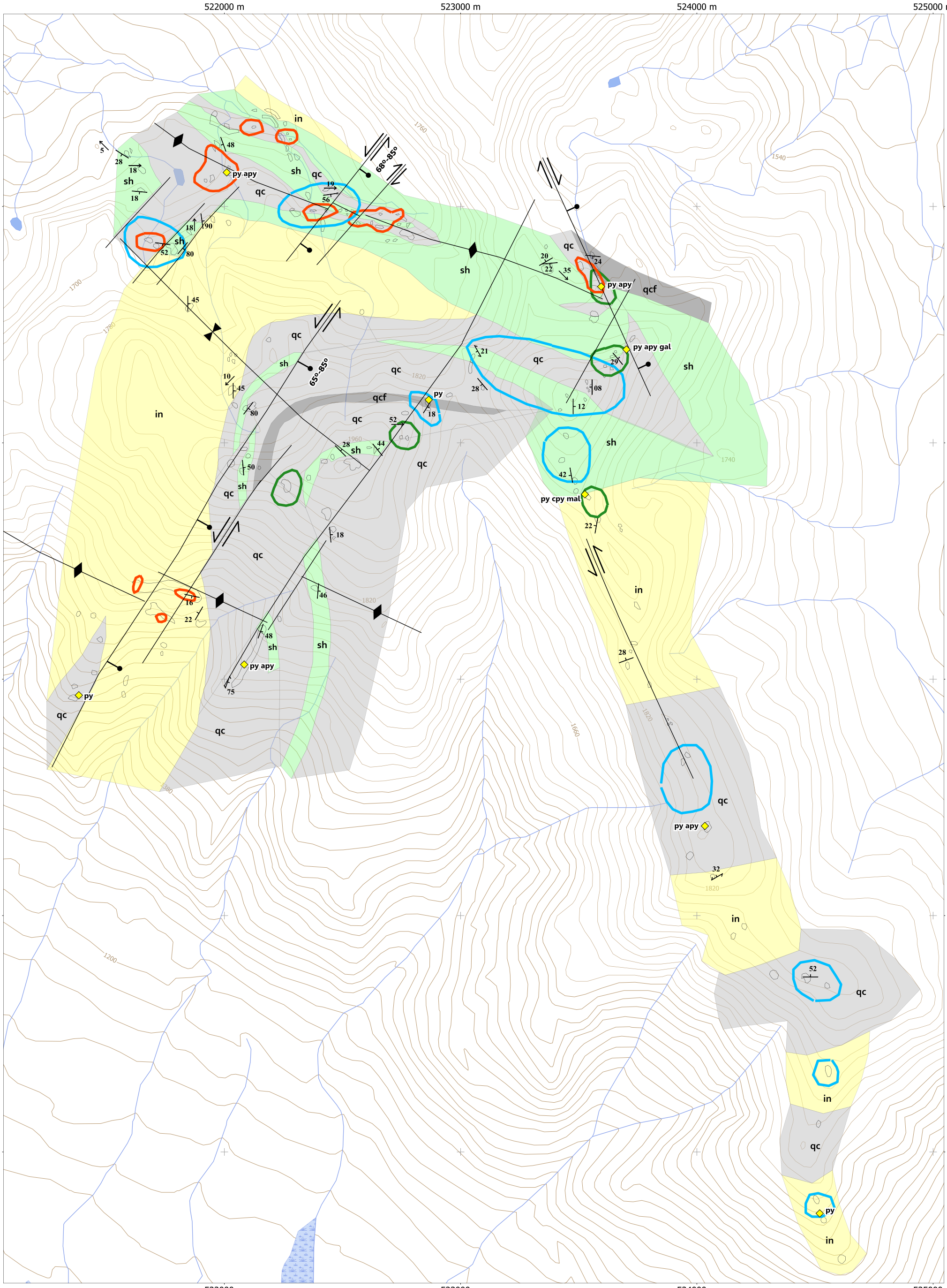
REEF
Southeast Yukon, Canada
PROPERTY GEOLOGY

Date: June 2012

FIGURE 3.2

522000 m 523000 m 524000 m 525000 m

6865000 m 6864000 m 6863000 m 6862000 m 6861000 m



N

0 500 m

Structures
- Bedding
- Schistosity/Cleavage
- Minor Fold Plunge
- Syncline
- Anticline
- Fault (ball on downthrown side, arrows indicate relative displacement)

Alteration
- Carbonate
- Chlorite
- Silica

Mineralization
- apy arsenopyrite
- cpy chalcopyrite
- gal galena
- mal malachite
- py pyrite

Lithology
- qc quartz conglomerate ± grit
- qcf quartz conglomerate (fine grain) ± grit
- sh shale
- in interbedded sandstone, conglomerate, shale
- Outcrop

PRECIPITATE GOLD CORP.

2012 Geology

FER ZONE
REEF PROPERTY

UTM NAD83
ZONE 9

FIGURE

DATE: December 2012

521000 m 522000 m 523000 m 524000 m 525000 m

6866000 m 6865000 m 6864000 m 6863000 m 6862000 m 6861000 m

2012 Geology Legend

Reef_Structure Drawing
- Lines

Reef_Alt Drawing
Lines : Alt
- Carb
- Chlorite
- Silicification

Reef_Outcrop Drawing
Areas : Lith
- grit
- int. bedded sst/cong/sh
- odd grit
- shale

Reef_LithInterp Drawing
Areas : Lith
- grit
- int. bed sst/cong/sh
- odd grit
- shale

- Precipitate Claim Block
- Text
- Mineral Claim
- Road
- Contour (20 m)
- Mineral Occurrence

Rimfire Geology
- Fault
- Contact
- Ferricrete Deposit
- Quartz Vein Stockwork

Cragg Geology
- Fault
- Inferred Fault
- Contact
- Outcrop
- Synform Axis

Note: Larger scale structural measurements are from Rimfire; smaller scale are from Cragg

Rimfire Lithology

qt	quartzite
qg	quartz grit
qc	quartz pebble conglomerate
phy qt	phyllitic quartzite
Ag	argilite
ph	phyllite
dol ph	dolomitic phyllite
shl ph	shaley phyllite
slst	siltstone
ser ph	sericitic phyllite
ls	limestone

Yukon Government Regional Geology
- u Prot Hyland Gp sed

Cragg Lithology

Grey, non-calcareous, fine- to medium-grained quartzite with interbedded, fine- to medium-grained, orange, weak to strongly calcareous sandstone and fine- to coarse-grained calcarenite. Rare, light grey, laminated limestone, calcareous mudstone, and limestone-cobble conglomerate. Minor interbedded non-calcareous, grey to tan phyllite.

Grey to tan, laminated and sporadically cross-bedded phyllite with minor interbedded fine-grained sandstone.

Medium- to coarse-grained, massive to laminated, orange to grey, arkosic sandstone and minor interbedded grey to tan phyllite.

Thick-bedded, dark grey weathering to green, massive to sporadically foliated, quartz-pebble conglomerate and coarse-grained, grey to orange, arkosic sandstone with minor polymictic, cobble-conglomerate debris flows. Rare, interbedded, thin to very thin, dark grey shale and light grey phyllite.

Alternating, dark green and purple argillite with minor, interbedded, light grey to tan phyllite, and fine- to medium-grained non-calcareous arkosic sandstone.

Fine- to medium-grained, massive to laminated, orange to grey, arkosic sandstone and abundant grey to tan phyllite. Minor grey, medium-grained quartzite, sericite schist, dark grey shale and slate, and green to purple argillite.

N

0 400 m

Scale: 1:18,000

PRECIPITATE GOLD CORP.

Geology

FER ZONE
REEF PROPERTY

UTM NAD83
ZONE 9

FIGURE

DATE: November 2012

522000 m 523000 m 524000 m 525000 m

6865000 m 6864000 m 6863000 m 6862000 m 6861000 m

Camp Cirque

Northeast Grid

South Grid

in qc sh py apy py apy gal py cpy mal qcf

N

0 500 m

Structures
- Bedding
- Schistosity/Cleavage
- Minor Fold Plunge
- Syncline
- Anticline
- Fault (ball on downthrown side, arrows indicate relative displacement)

Alteration
- Carbonate
- Chlorite
- Silica

Mineralization
- apy arsenopyrite
- cpy chalcopyrite
- gal galena
- mal malachite
- py pyrite

Lithology
- q quartz conglomerate ± grit
- qc quartz conglomerate (fine grain) ± grit
- sh shale
- in interbedded sandstone, conglomerate, shale
- Outcrop

Soil and Silt Au (ppb) (75th, 85th, 95th percentiles)
- <16
- 16...30
- 30...80
- 80...1871
- 16.00 - 30.00
- 30.00 - 80.00
- > 80.00

PRECIPITATE GOLD CORP.

Gold
with 2012 Geology

FER ZONE
REEF PROPERTY

UTM NAD83
ZONE 9

FIGURE

DATE: December 2012

521000 m 522000 m 523000 m 524000 m

6867000 m
6866000 m
6865000 m
6864000 m
6863000 m
6862000 m

N

0 500 m

Scale: 1:15,000

Precipitate Claim Block
Contour (20 m)
8m Trench

Rock Au (ppb)
(75th, 85th, 95th percentiles)
<40
40...75
75...260
260...2281

Soil and Silt Au (ppb)
(75th, 85th, 95th percentiles)
<16
16...30
30...80
80...1871

Soil and Silt Au Contours (ppb)
(75th, 85th, 95th percentiles)
16.00 - 30.00
30.00 - 80.00
> 80.00

PRECIPITATE GOLD CORP.

Gold in Soil, Silt, Rocks

FER ZONE
REEF PROPERTY

UTM NAD83
ZONE 9

FIGURE

DATE: November 2012

521000 m 522000 m 523000 m 524000 m

6867000 m 6866000 m 6865000 m 6864000 m 6863000 m 6862000 m

N

0 500 m

Scale: 1:15,000

Precipitate Claim Block
Contour (20 m)
8m Trench

Rock As (ppm)
(75th, 85th, 95th percentiles)
<177
177...434
434...3077
3077...12501

Soil and Silt As (ppm)
(75th, 85th, 95th percentiles)
<128
128...204
204...472
472...5431

Soil and Silt As Contours (ppm)
(75th, 85th, 95th percentiles)
128.00 - 204.00
204.00 - 472.00
> 472.00

PRECIPITATE GOLD CORP.

Arsenic in Soil, Silt, Rocks

FER ZONE
REEF PROPERTY

UTM NAD83
ZONE 9

FIGURE

DATE: November 2012

521000 m 522000 m 523000 m 524000 m

6867000 m 6866000 m 6865000 m 6864000 m 6863000 m 6862000 m

N

0 500 m

Scale: 1:15,000

Precipitate Claim Block

Contour (20 m)

8m Trench

Rock Sb (ppm) (75th, 85th, 95th percentiles)	**Soil and Silt Sb (ppm)** (75th, 85th, 95th percentiles)	**Soil and Silt Sb Contours (ppm)** (75th, 85th, 95th percentiles)
<2	<1.6	1.60 - 2.00
2...3	1.6...2	2.00 - 4.00
3...9	2...4	> 4.00
9...95	4...16.6	

PRECIPITATE GOLD CORP.

Antimony in Soil, Silt, Rocks

FER ZONE
REEF PROPERTY

UTM NAD83
ZONE 9

FIGURE

DATE: November 2012

521000 m 522000 m 523000 m 524000 m

6867000 m 6866000 m 6865000 m 6864000 m 6863000 m 6862000 m

N

0 500 m

Scale: 1:15,000

Precipitate Claim Block

Contour (20 m)

8m Trench

Rock Pb (ppm) (75th, 85th, 95th percentiles)	**Soil and Silt Pb (ppm)** (75th, 85th, 95th percentiles)	**Soil and Silt Pb Contours (ppm)** (75th, 85th, 95th percentiles)
<16	<43.2	
16...24	43.2...51.4	43.20 - 51.40
24...61	51.4...74	51.40 - 74.00
61...5110	74...1310.1	> 74.00

PRECIPITATE GOLD CORP.

Lead in Soil, Silt, Rocks

FER ZONE
REEF PROPERTY

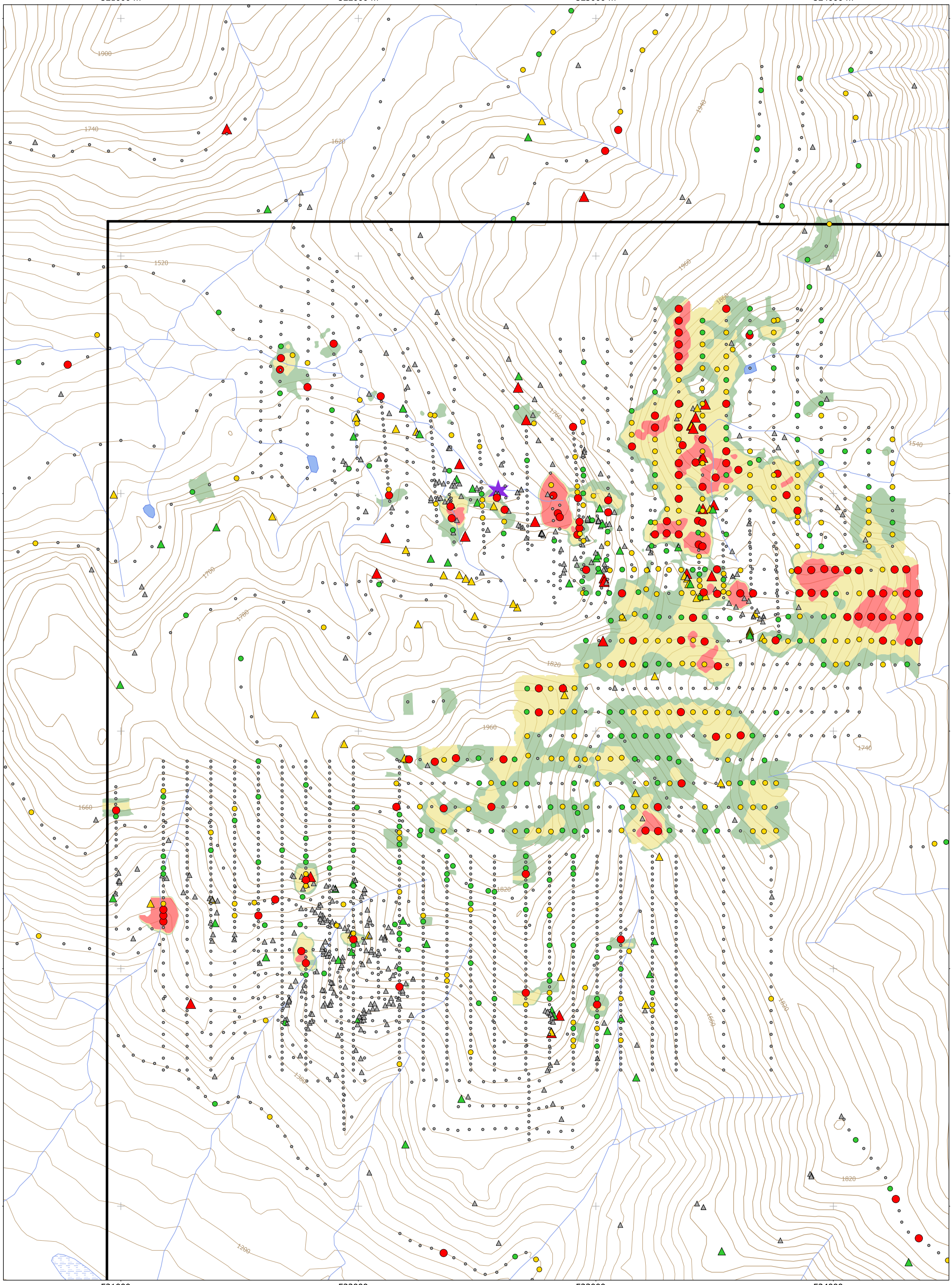
UTM NAD83
ZONE 9

FIGURE

DATE: November 2012

521000 m 522000 m 523000 m 524000 m

6867000 m 6866000 m 6865000 m 6864000 m 6863000 m 6862000 m



N

0 500 m

Scale: 1:15,000

Precipitate Claim Block

Contour (20 m)

8m Trench

Rock Zn (ppm) (75th, 85th, 95th percentiles)	**Soil and Silt Zn (ppm)** (75th, 85th, 95th percentiles)	**Soil and Silt Zn Contours (ppm)** (75th, 85th, 95th percentiles)
<21	<106	
21...40	106...120	106.00 - 120.00
40...74	120...147	120.00 - 147.00
74...3368	147...1371	> 147.00

PRECIPITATE GOLD CORP.

Zinc in Soil, Silt, Rocks

FER ZONE
REEF PROPERTY

UTM NAD83
ZONE 9

FIGURE

DATE: November 2012

Appendix B: Sample Descriptions

Sample ID	UTM E	UTM N	Coord Sys	Sample Type	Sampler	Rock Type	Mineralization	Description
148937	521806	6863249	NAD83 Zone 9	Grab	JG	quartz cong	pyrite 1%	Silicified coarse grained cong with up to 1% diss py from base of str gossanous cliff
148938	521992	6865321	NAD83 Zone 9	Grab	JG	quartz cong	pyrite 0.5%	Grab of QSP altered cong/grit with up to 0.5 diss py. Str quartz veining in O.C.
148939	521990	6865320	NAD83 Zone 9	Grab	KL	siltstone	pyrite trace	Dark grey, fine grained siltstone. Very strongly foliated. Sample taken rom the core of a parasitic fold. Trace disseminnated pyrite throughout, outside of rock is coated in fine yellow sulphur.
148940	522130	6865338	NAD83 Zone 9	Grab	KL	wacke	pyrite 0.5%	Light grey, medium grained wacke. Very strongly silicified and vey hard. Silicification destroys most of the original features. Quartz veins up to 3mm present. Blebby pyrite with oxidixed surfaces and fresh centers. 0.5-1%.
148941	522188	6865358	NAD83 Zone 9	Grab	KL	quartz cong	pyrite 0.5%	Light grey quartz grit/conglomerate from core of parasitic fold. Interbedded with light grey siltstone. Clasts of white and smoky quartz, and sericite latered feldspars (?). Weak pervasive silicification. 0.5% 1-2mm blebby pyrite.
148942	522188	6865358	NAD83 Zone 9	Grab	JG	siltstone	pyrite 2%	20cm band of QSP altered siltstone to sandstone interbedded with shales that runs parallel to SE plunging fold hinge
148943	522244	6865261	NAD83 Zone 9	Grab	JG	siltstone	pyrite 0.5%	Grab of stongly gossanous shale with x-cut qtz stringers with halos of QSP alteration
148944	522249	6865254	NAD83 Zone 9	Grab	KL	quartz cong	pyrite 0.5%	Light grey quartz grit/conglomerate. Moderatly silicified. 2-4mm quartz stringers throughout. Sericite alteration in some clastts. 0.5% 4-7mm blebs of pyrite.
148945	522258	6865250	NAD83 Zone 9	Grab	JG	quartz cong	pyrite 1.5%	Str silicifed qtz grit with x-cut QV's and up to 1.5% diss py
148946	522340	6865050	NAD83 Zone 9	Grab	KL	quartz cong	pyrite 1%	Dark grey, coarse grained quartz grit/conglomerate. Very strongly silicified, difficult to see the clasts, very very hard. 0.5-1.5% 2-3mm blebys of fresh pyrite throughout.
148947	522327	6865046	NAD83 Zone 9	Chip	JG	quartz cong	pyrite 1%	0.5m chip of str silicified cong. With diss cubic py and sooty py in fractures. Fractures x-cut bull qvs in outcrop
148948	522406	6865033	NAD83 Zone 9	Grab	KL	quartz cong	pyrite trace	Dark grey, coarse grained quartz grit/conglomerate. Very strongly silicified. 5% 2-3mm quartz strongers throughout.. 3-5mm blebs of pyrite in the quartz stringers. Trace disseminated pyrite in the conglomerate.
148949	522433	6864989	NAD83 Zone 9	Grab	JG	quartz cong	pyrite 3%	Float grab from base of cliff of str silicifed/brecciated qtz grit with up to 3% pyrite + trace aspy
148950	522499	6865023	NAD83 Zone 9	Grab	JG	quartz cong	pyrite 2%	Grab of silicified qtz grit with up to 2% diss sulfides. Acidic FeO water drains from spring at base of cliff
148951	522589	6864999	NAD83 Zone 9	Grab	JG	breccia	pyrite 3%	Grab of silicified, stongly sulfidic brx with up to 3% diss and frac controlled py + aspy. Taken from same location as Westmin sample 550365 (1.97 ppm Au over 8m) **Dupilcate of historical trench.**
148952	522633	6864927	NAD83 Zone 9	Grab	KL	quartz cong	pyrite 1.5%	Light grey quartz grit, moderatly silicified. 2-3% quartz stringers throughout. Orange oxidation on all exposed surfaces. 1-2% fine pyrite on all fracture surfaces.
148953	522305	6864971	NAD83 Zone 9	Chip	JG	quartz cong	pyrite 0.5%	30cm chip of strongly silicified qtz grit w/ 0.5 - 1% diss-frac controlled sulfides. Alt in outcrop appears to inc to the N towards the valley. Potentially two generations of sulfides noted 1.) diss cubic py, 2.) sooty fracture controlled py +/- aspy
148954	522306	6864982	NAD83 Zone 9	Grab	KL	quartz cong	pyrite 1%	Light grey quartz grit, weak sericite and moderate silicification. Silicification overprints most of the original features. 1-2% quartz stringers. 0.5-1% cube pyrite scattered throughout, some fresh some oxidized.
148955	522365	6864966	NAD83 Zone 9	Chip	JG	quartz cong	pyrite 0.5%	0.5m chip of str silicified cong. With 0.5 - 1.% diss-frac controlled sulfides
148956	522334	6864979	NAD83 Zone 9	Chip	JG	quartz cong	pyrite 1%	1.0 m chip of str silicified cong. With 0.5 - 1 % diss-frac controlled
148957	522346	6864982	NAD83 Zone 9	Chip	KL	quartz cong	pyrtie 1%	8m chip sample: light grey, strongly silicified quartz grit/conglomerate from cliff face. 1% disseminated to blebby (1-3mm) pyrite throughout. Occasional cube pyrite. Local sercitie alteration localized to clasts.
148958	522379	6864967	NAD83 Zone 9	Chip	JG	quartz cong	pyrite 1.5%	1m chip of str silicified cong. With up to 1.5% diss-frac controlled sulfides
148959	522388	6864961	NAD83 Zone 9	Chip	KL	quartz cong	pyrite 1.5%	3m chip sample of light grey very strongly silicified quartz grit/conglomerate from cliff face. Sericite alteration localized to feldspar clasts. Yellow-orange stain on outside (jericite and/or skordite??). 2-3% quartz stringers throughout. 1-1.5% pyrite as blebs and cubes in veins and blebs-disseminated in conglomerate.
148960	522010	6865144	NAD83 Zone 9	Grab	KL	quartz cong	pyrite 1.5%	Light grey, hard, very strongly silicified quartz grit/conglomerate. 1-2% 1-2mm quartz stringers. 1-2% pyrite along fractures and disseminated. Trace fine disseminated arsenotpyrite (?).
148961	522010	6865144	NAD83 Zone 9	Grab	KL	quartz cong	pyrite 1%	Light grey very strongly silicified quartz grit/conglomerate. Silicification has destroyed moost of the original features. 1% pyrite along fractures and as 5-7mm blebs that are weathering out on surface with a yellow (sulphur?) halo.
148962	521980	6865240	NAD83 Zone 9	Grab	KL	quartz cong	pyrite 0.5%	Dark grey, moderatly silicified, quartz grit/conglomerate with a gossanous surface, from contact with shale. Strong foliation present. 2-5cm bull quartz veins in outcrop, some quartz material in sample. Trace to 0.5% belbby oxidized pyrite.
498163	521786	6863392	NAD83 Zone 9	Grab	KL	quartz cong	pyrite trace	Resample of 2011 Precipitate sample 1.1 g/t. Light grey, moderatly silicified quartz grit/conglomerate. Clasts visible, up to 2cm. 3-6mm limontie pods throughout. No fresh pyrite present, abundant relic pyrite. 2-3mm quartz str throughout.
498164	521812	6863359	NAD83 Zone 9	Grab	KL	quartz cong	pyrite trace	Sample of fault face in quartz grit/conglomerate. Very strongly silicified and gossanous. 2% quartz veining and some breccia included in sample. No fresh pyrite, abundant relic pyrite.
498165	521865	6863349	NAD83 Zone 9	Grab	KL	fault gouge	pyrite trace	Gouge from fault in quartz conglomerate. Mix of quartz vein, foliated grit, sandstone and clays. Very gossanus, no fresh sulphides, trace relic sulphides.
498166	521894	6863342	NAD83 Zone 9	Grab	KL	sst/cong	pyrite trace	Very strongly silicified interbedded sandstone and conglomerate. 1% quartz stringers included in sample. Surface is very gossanous. No fresh sulphide, trace relic pyrite.
498167	521730	6863151	NAD83 Zone 9	Grab	KL	sst/cong	pyrite trace	Very fine grained, silicified quartz grit/sandstone. Very fine dissemianted pyrite. Very gossanous surface. 1% quartz stringer inclided in sample.
498168	521799	6863387	NAD83 Zone 9	Grab	JG	quartz cong	aspy 1%	Str silicified qtz cong with up to 3% sulfides (aspy, py, gal, +/- sph?)Weathered surface is str gossanous, when broken has abundant scorodite staining
498169	522865	6864182	NAD83 Zone 9	Grab	KL	quartz sst	pyrite 1.5%	Green-grey, fine grey, strongly sericite altered, strongly foliated quartz rich sandstone. May be a phase of the quartz conglomerate. 1-2% visible quartz grains. Dark grey-blue specks throughout. 1.5% disseminated to blebby pyrite. (does have an intrusive appearance...).
498170	522291	6863856	NAD83 Zone 9	Grab	KL	qv/quartz cong	py+galena 1.5-1%	Quartz veining in silicified, coarse graned, foliated quartz grit/conglomerate. Sample is 75% milky white quartz with blebby py (1-2mm) and blebby galena (3-5mm). Combined sulphides in vein 0.5-1%. Trace belbby pyrite in host conglomerate. Abundant relic pyrite.
498171	522204	6863882	NAD83 Zone 9	Grab	KL	quartz sst	pyrite 1.5%	Green-grey, fine grey, strongly sericite altered, strongly foliated quartz rich sandstone. May be a phase of the quartz conglomerate. 1-2% visible quartz grains. Dark grey-blue specks throughout. 1.5% disseminated to blebby pyrite. (does have an intrusive appearance...).
498172	523030	6864379	NAD83 Zone 9	Grab	JG	quartz cong	pyrite 0.5%	Str-mod qtz-ser alt qtz grit w/ up to 0.5% diss relict sulfides from saddle
498173	522194	6863886	NAD83 Zone 9	Grab	JG	sandstone	pyrite 0.5%	Green qtz-ser alt sandstone/grit x-cut by sheeted QV's w/ pyrite halos @ exposed fault surface
498174	522188	6863202	NAD83 Zone 9	Chip	JG	quartz cong	pyrite 2%	Mod silicified qtz grit w/ 030, 85NW sheeted QV's & up to 2% vein-frac controlled and diss relict sulfides. Rare fresh py
498175	523702	6864395	NAD83 Zone 9	Float	KL	quartz vein	gal/aspy/py 0.5%	Float sample of quartz vein ,material with patchy chlorite alteration. Locally gossanous. Blebby pyrite and arsenopyrite (2-3mm) and galena (3-5mm) scattered throughout. Vein material hosted in moderately silicified quartz grit.
498176	523576	6864652	NAD83 Zone 9	Grab	JG	quartz cong	aspy 3%	Pervasively qtz veined and QSP altered qtz cong with up to 5% vein controlled and diss sulfide (aspy<py)
498177	523595	6864661	NAD83 Zone 9	Grab	KL	quartz cong	py+aspy 0.5%	Light grey, coarse grained, moderatly silicified quartz grit/conglomerate with 2-3% quartz veining. Sample is 60% quartz vein material. Weak pervasive carbonate alteration. Cube pyrite and tetrahedral arsenopyrite. 0.5%.
498178	523574	6864757	NAD83 Zone 9	Grab	KL	fg quartz cong	py+aspy+gal 1%	Light grey-green, fine grained quartz grit/sandstone, weak pervaisive carboante alteration, quartz grains 2-3mm. Fine dissemanted py+aspy+gal with py being the dominant sulphide. Looks like sample 498169 and 498171.
498179	523347	6864774	NAD83 Zone 9	Grab	JG	quartz vein	aspy 5%	Resample of historic sample 709626. 20cm wide sulfide enriched QV at shale-cong contact, up to 10% sulfides mainly along contacts (aspy<py)
498180	523533	6863771	NAD83 Zone 9	Float	JG	quartz vein	aspy 1%	QV float w/ chlorite-quartz alt sandstone. Gossanous w/ up to 1% diss sulfide (aspy>py)
498181	523526	6863782	NAD83 Zone 9	Float	KL	quartz vein	py+cpy+mal 1%	Quartz vein float sample. Veining hosted in sandy shales. Vein has chlorite alteration halos and patchy chlorite within. Blebby pyrite+chalcopyrite with malachite staining combined 1% mineralization.
498182	523585	6863626	NAD83 Zone 9	Grab	JG	quartz breccia		+/-1 meter wide zone of qtz breccia float w/ multi-generational vuggy qvs w/ relict sulfides and str gossan
498183	523741	6863303	NAD83 Zone 9	Grab	JG	quartz breccia	pyrite 1%	Qtz breccia with up to 1% diss relict sulfides (py?) from fault surface @ 340, 49
498184	524034	6862379	NAD83 Zone 9	Grab	KL	quartz cong	pyrite+ aspy 1%	Light grey, medium grained, moderately silicified quartz conglomerate. Gossanous fracture surfaces. 2-3% quartz strongers 1-2mm included in sample. Veins carry cuby pyrite and blocky arsenopyrite. Fine disseminated pyrite in conglomerate. Total sulphides 0.5-1%.
498185	524317	6861764	NAD83 Zone 9	Grab	JG	quartz vein	chalco 1%	Qtz vein float from base of large outcrop of qtz cong w/ up to 1% diss chalcopyrite (+pyrite) and malachite staining .
498186	527291	6859753	NAD83 Zone 9	Grab	KL	quartz vein	pyrite trace	Quartz vein sample. Veining hosted in coarse grained conglomerate. Chlorite alteration along vein edges. Very trace fine pyrite, abundant relict pyrite.
753944	522394	6864949	NAD83 Zone 9	Grab	JG	quartz cong	pyrite 2%	Silicified grit/cong with QV's & up to 2% diss-frac controlled pyrite + trace aspy. Approx. same location as QKR22
753945	522388	6864946	NAD83 Zone 9	Grab	JG	quartz cong	pyrite 1.5%	Grab of silicified material with shale brx frags and up to 1.5% diss py from core of antiform in creek
753946	522579	6865001	NAD83 Zone 9	Grab	JG	quartz cong	pyrite 1.0%	Grab of silicified grit with up to 1% diss py + trace aspy
753947	521947	6865124	NAD83 Zone 9	Chip	JG	quartz cong	pyrite trace	1m chip of strongly gossnaous, silicified qtz grit. O.C. leaching acidic FeO water, ferricrete in area.
753948	521722	6863394	NAD83 Zone 9	Grab	JG/KL	quartz cong	py 1% aspy 0.5%	Dark grey, very fine, very strongly silicified quartz grit from the edges of a fault. Silcification runs approx. 2cm into wall rock on either side of the fault. 1-2% blebby pyrite, trace fine disseminated aspy.
753949	521728	6863389	NAD83 Zone 9	Grab	JG	quartz cong	pyrite trace	Float grab of mod-str qtz-ser alt grit. Str gossanous with relict py + mm scale gossanous frac & qtz veinlets
753950	521761	6863387	NAD83 Zone 9	Grab	JG	breccia	pyrite trace	Silicified qtz cong brx @ contact with thin shale bed. Str gossanous with trace relict pyrite

Sample ID	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	PPM	PPM	PPM	PPM	PPM	PPB	PPM	PPM	PPM	%	PPM	PPM	PPB	PPM	PPM	PPM	PPM	PPM	PPM	%	%
	0.005	0.01	0.01	0.01	0.1	2.0	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.00
148937	<0.005	0.12	2.20	8.81	1.6	44.0	1.3	0.4	24	0.68	60.0	0.5	2.5	3.5	17.9	<0.01	0.38	<0.02	<2	<0.01	0.04
148938	0.011	0.15	11.07	5.54	36.6	20.0	8.6	2.7	353	1.96	107.8	1.2	8.5	5.6	1.8	0.02	0.22	0.03	6	0.03	0.01
148939	0.017	0.48	41.54	45.63	50.6	201.0	17.2	5.6	183	5.06	74.4	0.7	6.9	8.0	7.6	<0.01	1.00	0.41	13	0.02	0.02
148940	<0.005	0.16	3.99	4.22	16.8	13.0	4.7	1.6	129	0.93	18.7	0.2	0.7	2.9	2.9	<0.01	0.09	<0.02	3	0.03	0.00
148941	<0.005	0.17	6.02	14.68	49.3	44.0	9.5	4.1	247	2.98	3.3	0.3	<0.2	5.5	2.8	<0.01	0.15	0.03	11	<0.01	0.01
148942	<0.005	0.13	5.91	11.02	36.1	35.0	8.5	2.6	183	2.20	5.3	0.4	2.2	6.2	1.6	<0.01	0.22	<0.02	7	0.02	0.01
148943	<0.005	0.55	14.69	16.36	50.2	81.0	8.6	5.4	247	4.24	13.5	0.7	<0.2	6.8	5.6	<0.01	0.44	0.31	15	<0.01	0.02
148944	0.006	0.25	4.34	18.01	5.9	152.0	2.1	0.5	44	0.79	56.2	0.5	3.7	3.8	3.1	<0.01	1.22	0.06	2	0.04	0.03
148945	0.006	0.25	11.54	19.53	27.1	95.0	8.8	2.6	98	1.78	13.0	0.4	3.0	3.4	2.0	0.04	0.32	0.08	4	0.01	0.01
148946	0.017	0.12	1.55	5.51	2.2	331.0	1.5	0.3	31	0.54	9.3	0.1	14.6	1.4	1.4	<0.01	4.21	<0.02	<2	<0.01	0.01
148947	0.013	0.13	2.79	9.03	3.2	207.0	3.0	0.8	27	0.64	9.7	0.8	11.2	2.8	1.8	<0.01	3.05	<0.02	<2	<0.01	0.01
148948	0.011	0.12	2.00	10.07	2.8	243.0	1.1	0.4	31	0.51	12.5	0.2	435.2	1.9	3.2	<0.01	2.19	<0.02	2	<0.01	0.00
148949	0.182	0.13	1.97	6.98	0.9	1449.0	1.5	0.2	25	1.04	63.0	<0.1	173.0	0.5	1.5	<0.01	9.14	<0.02	<2	<0.01	0.00
148950	0.080	0.15	3.02	6.49	0.9	310.0	2.5	0.3	38	1.18	70.5	<0.1	89.1	0.4	1.5	<0.01	5.83	<0.02	<2	0.01	0.00
148951	0.274	0.17	3.15	17.63	1.4	1985.0	4.6	1.2	22	1.82	146.4	0.1	243.0	1.2	1.6	<0.01	25.03	0.16	2	<0.01	0.00
148952	0.011	0.14	5.78	12.93	12.5	66.0	3.8	1.5	241	0.92	9.1	0.6	2.2	3.7	1.4	<0.01	0.18	0.03	2	<0.01	0.01
148953	0.020	0.31	3.86	24.81	3.9	358.0	1.8	0.5	30	0.70	27.0	0.3	13.2	2.4	1.6	<0.01	3.42	0.11	<2	<0.01	0.01
148954	0.013	0.26	3.18	8.30	4.0	183.0	1.0	0.3	25	0.41	10.5	0.4	10.2	1.7	2.3	<0.01	2.40	<0.02	<2	<0.01	0.00
148955	0.031	0.12	1.76	6.74	1.9	550.0	1.5	0.5	32	0.79	27.6	0.1	41.9	1.5	1.0	<0.01	5.28	<0.02	<2	<0.01	0.00
148956	0.049	0.39	3.29	4.83	2.6	505.0	2.0	0.5	36	1.06	23.1	0.2	72.7	1.6	1.7	<0.01	8.16	<0.02	<2	<0.01	0.00
148957	0.034	0.35	7.68	7.87	6.6	223.0	3.7	0.9	43	1.30	1744.2	0.6	40.9	5.3	2.8	<0.01	3.74	<0.02	2	0.01	0.01
148958	0.018	0.15	4.40	10.88	1.6	189.0	2.1	1.3	38	0.89	499.5	0.5	22.9	2.5	7.9	<0.01	4.22	<0.02	<2	0.22	0.12
148959	0.011	0.20	5.00	7.01	16.3	179.0	4.8	1.0	73	1.21	55.8	0.3	11.5	2.8	1.7	<0.01	1.82	<0.02	4	0.01	0.01
148960	0.037	0.28	5.46	5.97	2.1	925.0	7.3	2.0	33	2.27	14.9	0.5	35.0	2.8	1.3	<0.01	9.43	<0.02	2	<0.01	0.00
148961	0.012	0.42	5.58	7.60	11.0	240.0	3.2	1.0	47	1.25	7.0	0.3	9.6	3.4	1.9	<0.01	3.49	<0.02	3	<0.01	0.01
148962	0.007	0.16	13.66	2.85	24.1	25.0	3.9	1.5	137	1.79	1.0	0.6	0.9	8.0	2.9	<0.01	0.57	<0.02	4	0.01	0.01
498163	0.097	0.09	2.93	53.73	3.0	325.0	0.8	0.3	31	0.42	339.0	0.2	122.9	2.3	22.4	0.08	1.36	<0.02	<2	0.01	0.01
498164	0.041	0.54	4.72	8.89	8.3	465.0	2.6	1.6	61	1.85	233.5	0.6	48.6	3.1	5.2	0.02	9.22	<0.02	<2	0.02	0.02
498165	0.217	2.95	8.51	59.52	16.5	2399.0	4.0	2.4	81	2.06	144.4	0.8	252.5	6.8	49.9	0.02	47.40	0.05	2	0.02	0.03
498166	0.068	0.17	2.09	10.68	2.2	151.0	0.8	0.4	25	0.67	164.1	0.3	60.5	3.0	5.7	<0.01	2.37	<0.02	<2	<0.01	0.01
498167	0.015	0.14	2.14	12.77	2.1	112.0	1.3	0.3	27	0.83	158.1	0.3	7.1	2.3	9.0	<0.01	3.23	<0.02	2	<0.01	0.02
498168	0.586	0.21	15.87	2380.23	3367.5	2986.0	4.0	5.8	36	1.67	>10000.0	0.6	602.6	3.4	29.5	33.11	11.72	1.77	<2	0.03	0.01
498169	0.010	0.01	18.62	7.82	55.7	61.0	68.0	22.3	686	3.81	74.9	0.5	4.6	4.0	69.7	<0.01	0.18	0.25	72	2.59	0.04
498170	0.013	0.14	2.64	51.96	16.8	61.0	6.0	2.2	271	1.01	15.5	0.3	2.2	3.1	4.9	0.05	0.12	0.12	2	0.14	0.01
498171	0.006	0.18	14.50	6.31	49.5	19.0	71.8	25.2	725	3.94	1.1	0.5	1.0	5.5	100.9	0.09	0.07	<0.02	100	3.39	0.04
498172	0.043	0.17	80.13	1245.62	134.1	9213.0	5.2	1.1	76	0.77	209.0	0.6	44.0	3.2	1.7	0.25	0.93	10.24	<2	0.04	0.01
498173	0.011	0.12	11.71	116.21	62.9	145.0	21.4	12.0	1148	3.58	7.7	0.6	1.6	8.9	3.2	0.03	0.27	0.29	7	0.20	0.01
498174	0.127	0.23	7.82	11.52	28.9	105.0	9.9	5.8	868	1.75	1140.7	0.3	122.0	5.2	3.4	0.06	0.83	0.07	<2	0.01	0.01
498175	<0.005	0.10	2.57	4.43	61.3	13.0	27.0	6.4	241	3.91	6.1	0.3	<0.2	0.7	4.0	0.03	0.05	<0.02	10	0.13	0.02
498176	0.069	0.18	5.52	25.63	0.7	146.0	1.4	0.6	26	0.94	7416.0	0.1	64.1	2.1	1.6	<0.01	2.98	0.20	<2	<0.01	0.01
498177	0.083	0.19	1.40	12.77	0.4	270.0	0.6	0.2	23	0.30	91.1	<0.1	100.8	1.4	2.6	<0.01	1.41	0.08	<2	<0.01	0.00
498178	0.007	0.16	5.88	8.19	5.5	47.0	6.4	3.2	679	0.90	25.5	0.5	3.7	6.4	190.1	0.03	0.31	0.05	<2	5.51	0.01
498179	0.374	0.18	186.04	93.34	34.6	1639.0	4.5	1.9	44	3.71	9751.5	0.2	1437.2	2.4	<0.5	0.10	3.87	1.17	<2	<0.01	0.01
498180	0.142	0.24	3.09	21.08	10.7	231.0	8.3	4.5	210	1.70	>10000.0	0.5	147.5	3.6	20.7	0.05	2.64	0.79	<2	0.04	0.01
498181	0.007	0.09	442.81	4.70	55.3	1652.0	16.4	3.7	522	2.87	31.2	0.2	2.3	3.7	5.1	0.04	0.06	<0.02	9	0.12	0.02
498182	0.106	0.21	24.22	5.19	19.7	218.0	5.3	2.1	84	1.72	320.2	0.7	99.0	3.8	3.2	0.01	3.83	<0.02	<2	<0.01	0.01
498183	0.039	0.17	32.35	6.80	9.5	139.0	9.0	3.8	454	1.51	103.7	0.3	35.5	3.2	7.6	<0.01	1.61	0.10	<2	1.27	0.01
498184	0.006	0.11	17.20	6.37	12.1	29.0	7.0	3.4	107	1.32	7.2	0.4	2.8	7.5	29.5	0.02	0.35	<0.02	<2	0.56	0.01
498185	0.024	0.14	2655.63	1.76	25.8	2775.0	5.8	2.1	107	1.43	29.9	0.4	17.6	4.5	5.1	0.08	0.18	0.03	<2	0.09	0.01
498186	<0.005	0.10	4.30	0.56	46.9	24.0	20.6	5.6	289	3.30	2.3	0.2	0.9	1.2	3.0	<0.01	0.03	<0.02	7	0.06	0.01
753944	0.036	0.19	8.21	22.47	7.4	584.0	2.4	0.9	35	0.84	95.4	0.5	28.6	3.8	1.3	0.02	5.24	0.19	<2	0.01	0.01
753945	0.142	0.49	7.35	20.36	4.4	1507.0	6.5	1.5	26	2.76	147.9	1.2	98.0	4.7	12.1	0.02	11.31	0.16	4	0.28	0.14
753946	0.008	0.25	4.50	12.24	4.6	148.0	3.1	1.0	48	0.90	9.2	0.4	6.2	4.4	2.0	<0.01	2.11	0.06	<2	<0.01	0.01
753947	<0.005	0.06	3.23	5.55	16.3	20.0	6.3	2.5	777	2.66	5.9	0.2	<0.2	3.8	52.4	0.04	0.20	<0.02	6	5.44	0.01
753948	0.590	0.30	6.37	6.32	1.2	398.0	2.5	1.3	40	0.66	2077.9	0.7	363.1	2.8	11.1	0.03	3.64	0.07	<2	0.01	0.01
753949	0.027	0.26	4.59	8.62	3.2	177.0	0.9	0.4	32	0.78	48.4	0.4	23.3	3.1	8.0	<0.01	2.37	<0.02	<2	0.01	0.01
753950	0.040	0.18	5.88	4.93	6.4	325.0	2.3	0.9	48	1.18	196.8	0.7	42.3	3.7	4.5	0.05	4.73	<0.02	3	<0.01	0.02

Sample ID	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	PPM	%	PPB	PPM	PPM	PPM
	0.5	0.5	0.01	0.5	0.001	1	0.0	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
148937	4.4	15.6	<0.01	19.6	<0.001	1	0.2	0.003	0.06	<0.1	0.4	0.25	0.13	14	0.1	<0.02	0.5
148938	8.8	23.6	0.32	8.6	<0.001	<1	0.8	0.028	0.02	<0.1	1.2	0.02	0.04	15	0.2	<0.02	2.3
148939	14.9	21.0	0.64	40.9	<0.001	1	1.8	0.019	0.24	<0.1	1.6	0.06	0.48	<5	0.5	0.06	5.2
148940	7.5	21.3	0.16	10.5	<0.001	<1	0.4	0.009	0.04	<0.1	0.5	<0.02	<0.02	<5	<0.1	<0.02	1.4
148941	16.5	20.8	0.61	14.7	0.001	<1	1.5	0.008	0.07	<0.1	1.4	0.03	<0.02	<5	<0.1	<0.02	4.6
148942	8.6	15.5	0.39	11.2	<0.001	<1	1.1	0.003	0.04	<0.1	1.2	<0.02	0.13	<5	<0.1	<0.02	3.1
148943	19.8	24.8	0.72	48.3	0.001	2	2.0	0.018	0.26	0.1	1.8	0.09	0.30	13	0.1	0.04	5.8
148944	7.0	18.9	0.06	15.6	<0.001	<1	0.3	0.003	0.06	0.1	0.3	0.03	0.11	6	0.3	<0.02	0.9
148945	5.2	18.7	0.29	12.1	<0.001	<1	0.7	0.004	0.07	<0.1	0.8	0.04	0.40	<5	<0.1	<0.02	2.4
148946	8.6	14.7	0.01	11.9	<0.001	<1	0.3	0.003	0.06	<0.1	0.2	0.12	0.10	9	0.3	<0.02	0.6
148947	6.3	18.5	<0.01	11.4	<0.001	<1	0.2	0.003	0.05	<0.1	0.3	0.21	0.25	30	0.1	<0.02	0.7
148948	12.5	12.7	<0.01	21.0	<0.001	2	0.3	0.003	0.09	0.1	0.3	0.24	0.11	51	0.2	<0.02	1.1
148949	2.6	29.3	<0.01	7.9	<0.001	<1	0.1	0.002	0.04	<0.1	0.2	0.18	0.42	31	0.7	<0.02	0.2
148950	2.1	19.6	<0.01	9.6	<0.001	<1	0.2	0.001	0.04	<0.1	0.2	0.17	0.76	14	0.2	<0.02	0.5
148951	4.8	9.9	<0.01	15.6	<0.001	1	0.4	0.004	0.09	0.1	0.4	0.31	1.60	22	4.2	<0.02	0.9
148952	9.4	16.1	0.08	9.8	<0.001	2	0.4	0.003	0.05	0.1	0.5	0.07	0.04	13	<0.1	<0.02	1.4
148953	6.1	16.2	<0.01	5.3	<0.001	2	0.2	<0.001	0.02	<0.1	0.3	0.15	0.17	15	0.2	<0.02	0.5
148954	12.1	11.3	<0.01	13.8	<0.001	2	0.3	0.004	0.06	<0.1	0.2	0.12	<0.02	52	0.2	<0.02	0.8
148955	7.6	18.0	<0.01	12.5	<0.001	<1	0.2	0.002	0.04	<0.1	0.2	0.14	0.35	<5	0.3	<0.02	0.4
148956	8.0	14.2	<0.01	12.9	<0.001	<1	0.3	0.005	0.08	<0.1	0.4	0.17	0.35	23	0.6	<0.02	0.8
148957	9.2	12.4	0.06	16.9	<0.001	2	0.4	0.006	0.10	0.1	0.5	0.15	0.24	8	0.3	0.16	1.3
148958	5.2	17.2	<0.01	10.8	<0.001	<1	0.3	0.004	0.06	<0.1	0.2	0.29	0.41	9	0.3	0.03	0.7
148959	6.2	15.0	0.13	10.6	<0.001	<1	0.5	0.004	0.06	<0.1	0.5	0.37	0.12	11	0.2	<0.02	1.5
148960	4.5	14.6	<0.01	9.9	<0.001	<1	0.2	0.002	0.05	<0.1	0.4	1.07	2.24	119	0.4	<0.02	0.8
148961	7.9	12.1	0.07	16.1	<0.001	<1	0.4	0.005	0.11	<0.1	0.5	0.19	0.33	11	0.5	<0.02	1.6
148962	9.8	12.4	0.13	17.9	<0.001	<1	0.5	0.012	0.07	0.2	1.2	0.05	0.06	<5	0.1	<0.02	1.2
498163	9.1	11.8	<0.01	17.7	<0.001	<1	0.2	0.003	0.06	<0.1	0.3	0.27	0.02	50	0.1	<0.02	0.6
498164	7.6	19.9	<0.01	14.4	<0.001	<1	0.2	0.002	0.05	<0.1	0.3	0.36	<0.02	269	0.1	<0.02	0.6
498165	8.8	14.6	0.02	70.9	<0.001	<1	0.3	0.003	0.06	0.5	0.4	2.50	0.04	418	0.7	0.03	1.2
498166	11.3	15.9	<0.01	13.6	<0.001	<1	0.2	0.003	0.06	<0.1	0.3	0.28	<0.02	97	<0.1	<0.02	0.6
498167	10.9	14.0	<0.01	24.9	<0.001	<1	0.3	0.003	0.10	<0.1	0.3	0.25	<0.02	74	0.2	<0.02	0.9
498168	3.4	19.2	<0.01	6.7	<0.001	7	0.1	0.002	0.02	<0.1	0.3	0.42	1.03	140	1.8	0.28	0.4
498169	9.4	230.3	3.36	36.3	0.002	<1	2.9	0.048	0.13	<0.1	10.5	0.03	0.08	26	<0.1	<0.02	7.4
498170	4.3	6.9	0.10	9.9	<0.001	<1	0.3	0.007	0.02	<0.1	0.5	<0.02	<0.02	<5	0.1	0.05	0.7
498171	12.0	278.4	3.74	41.5	0.004	<1	3.4	0.035	0.07	<0.1	10.4	<0.02	0.06	15	<0.1	0.02	9.6
498172	10.0	8.9	0.08	11.8	<0.001	4	0.3	0.003	0.06	<0.1	0.7	<0.02	0.05	58	2.7	0.87	0.9
498173	8.7	11.8	0.63	17.0	0.002	<1	1.5	0.001	0.02	<0.1	1.9	<0.02	0.06	<5	<0.1	0.04	4.6
498174	8.0	5.4	0.14	6.1	<0.001	<1	0.4	0.003	0.04	<0.1	0.7	<0.02	0.06	<5	0.1	<0.02	0.7
498175	1.3	7.5	0.77	10.6	0.003	2	1.6	<0.001	0.03	<0.1	1.3	<0.02	<0.02	9	0.2	0.02	4.5
498176	3.6	5.5	<0.01	10.7	<0.001	<1	0.1	0.002	0.04	<0.1	0.5	0.14	0.36	13	0.6	0.49	0.4
498177	6.4	6.7	<0.01	10.2	<0.001	2	0.2	0.003	0.05	<0.1	0.2	0.17	<0.02	<5	<0.1	0.07	0.6
498178	6.9	2.6	0.07	18.1	<0.001	<1	0.3	0.005	0.07	<0.1	1.0	<0.02	0.14	24	<0.1	<0.02	0.5
498179	3.7	5.3	<0.01	3.1	<0.001	13	0.1	0.002	0.02	<0.1	0.3	<0.02	1.58	8	1.3	1.62	0.3
498180	8.1	7.6	0.06	59.1	<0.001	4	0.3	0.004	0.09	<0.1	0.8	0.02	0.42	8	0.9	0.69	0.7
498181	8.2	11.1	0.61	12.7	0.002	2	1.3	0.004	0.04	<0.1	2.0	<0.02	0.05	<5	<0.1	<0.02	4.1
498182	5.8	5.4	<0.01	7.3	<0.001	<1	0.3	0.001	0.04	<0.1	0.9	0.04	<0.02	17	0.4	<0.02	0.9
498183	7.6	4.4	0.03	23.0	<0.001	1	0.2	0.002	0.12	<0.1	1.4	0.06	0.07	<5	0.6	0.06	0.6
498184	10.1	5.2	0.09	42.3	<0.001	<1	0.4	0.018	0.09	<0.1	0.8	0.04	0.09	7	<0.1	0.02	0.8
498185	5.5	5.0	0.13	14.8	<0.001	<1	0.4	0.009	0.07	<0.1	0.4	0.02	0.24	<5	0.7	0.03	1.0
498186	1.6	6.2	0.59	4.7	0.002	<1	1.4	0.002	0.02	<0.1	1.3	<0.02	<0.02	<5	<0.1	<0.02	4.6
753944	6.8	4.8	0.01	10.6	<0.001	<1	0.3	0.004	0.06	<0.1	0.3	0.24	0.56	6	0.4	0.02	0.7
753945	5.8	6.7	0.01	23.0	<0.001	<1	0.4	0.013	0.16	0.2	1.1	0.47	2.70	16	2.0	0.03	1.3
753946	8.8	7.8	0.04	12.3	<0.001	3	0.3	0.003	0.06	<0.1	0.6	0.17	0.41	13	0.5	0.02	1.1
753947	7.0	6.0	0.90	19.8	<0.001	<1	0.2	0.002	0.04	<0.1	1.3	<0.02	<0.02	9	0.1	0.04	0.5
753948	4.8	10.9	<0.01	8.9	<0.001	<1	0.2	0.001	0.03	0.1	0.5	0.60	0.21	74	0.5	0.04	0.5
753949	11.1	4.8	<0.01	14.6	<0.001	<1	0.2	0.002	0.06	<0.1	0.4	0.58	<0.02	139	0.4	<0.02	0.7
753950	13.0	5.5	<0.01	18.2	<0.001	<1	0.3	0.004	0.09	<0.1	0.7	0.35	<0.02	210	0.3	<0.02	0.9

REEF Correlation Matrix for all Property ROCK samples (Historical + Precipitate to 2012)																																						
	Au ppb	*Ag_ppm*	*Al_%*	*As_ppm*	*B_ppm*	*Ba_ppm*	*Be_ppm*	*Bi_ppm*	*Ca_%*	*Cd_ppm*	*Co_ppm*	*Cr_ppm*	*Cu_ppm*	*Fe_%*	*Ga_ppm*	*Hg_ppm*	*K_%*	*La_ppm*	*Mg_%*	*Mn_ppm*	*Mo_ppm*	*Na_%*	*Ni_ppm*	*P_ppm*	*Pb_ppm*	*S_%*	*Sb_ppm*	*Sc_ppm*	*Se_ppm*	*Sr_ppm*	*Te_ppm*	*Th_ppm*	*Ti_%*	*Tl_ppm*	*U_ppm*	*V_ppm*	*W_ppm*	*Zn_ppm*	*Zr_ppm*
Au ppb	1.000																																					
Ag_ppm	0.337	1.000																																				
Al_%	-0.074	-0.004	1.000																																			
As_ppm	0.522	0.066	-0.089	1.000																																		
B_ppm	0.490	0.349	-0.113	0.696	1.000																																	
Ba_ppm	-0.022	0.012	0.850	-0.049	-0.090	1.000																																
Be_ppm	0.040	-0.039	-0.531	0.055	#DIV/0!	-0.546	1.000																															
Bi_ppm	0.037	0.286	0.105	0.040	0.350	-0.051	0.282	1.000																														
Ca_%	-0.061	-0.025	0.122	-0.044	-0.113	0.065	-0.078	-0.024	1.000																													
Cd_ppm	0.112	0.077	-0.060	0.288	0.396	-0.056	0.574	0.059	-0.014	1.000																												
Co_ppm	-0.029	0.004	0.403	0.022	-0.019	0.127	0.115	0.452	0.117	0.038	1.000																											
Cr_ppm	-0.039	-0.066	0.004	-0.049	-0.091	-0.024	0.206	0.109	-0.080	-0.022	0.016	1.000																										
Cu_ppm	0.013	0.142	0.043	0.041	0.015	0.012	-0.021	0.079	-0.007	-0.002	0.089	-0.092	1.000																									
Fe_%	0.177	0.207	0.409	0.179	0.178	0.185	0.135	0.403	0.057	0.011	0.628	-0.104	0.110	1.000																								
Ga_ppm	0.027	-0.060	-0.423	0.001	-0.114	-0.481	0.973	0.336	-0.067	0.025	0.125	0.323	-0.046	0.157	1.000																							
Hg_ppm	0.073	-0.032	-0.154	0.096	-0.020	-0.111	0.598	0.264	-0.024	0.020	0.134	0.320	-0.055	0.268	0.600	1.000																						
K_%	-0.033	0.014	0.881	-0.061	-0.114	0.958	-0.578	-0.026	0.042	-0.057	0.153	-0.007	0.018	0.189	-0.507	-0.157	1.000																					
La_ppm	-0.099	-0.028	0.709	-0.119	-0.119	0.649	-0.162	0.006	0.041	-0.047	0.281	-0.059	0.007	0.239	-0.138	0.003	0.675	1.000																				
Mg_%	-0.075	-0.028	0.537	-0.067	-0.098	0.265	0.019	0.244	0.301	-0.019	0.604	0.072	0.064	0.551	0.093	0.063	0.225	0.302	1.000																			
Mn_ppm	-0.062	-0.018	0.333	-0.046	-0.129	0.147	-0.073	0.229	0.452	-0.018	0.527	-0.059	0.046	0.400	-0.047	0.035	0.162	0.183	0.445	1.000																		
Mo_ppm	0.005	-0.037	-0.098	0.097	-0.043	-0.101	0.265	0.087	-0.073	-0.003	-0.016	0.327	-0.033	0.078	0.261	0.240	-0.101	-0.016	-0.049	-0.033	1.000																	
Na_%	-0.042	-0.019	0.415	-0.019	-0.132	0.286	-0.306	-0.086	0.276	-0.027	0.057	-0.063	-0.001	0.052	-0.272	-0.146	0.313	0.332	0.081	0.253	-0.073	1.000																
Ni_ppm	-0.063	-0.018	0.525	-0.027	-0.068	0.252	0.082	0.297	0.169	-0.012	0.850	0.065	0.094	0.647	0.106	0.123	0.248	0.381	0.826	0.553	-0.007	0.080	1.000															
P_ppm	-0.035	-0.016	0.353	0.000	-0.106	0.223	0.106	0.261	0.109	-0.009	0.518	-0.103	0.049	0.590	0.054	0.164	0.217	0.293	0.393	0.303	0.145	0.090	0.533	1.000														
Pb_ppm	0.177	0.352	0.023	0.105	0.460	0.024	-0.046	0.295	-0.018	0.313	0.024	-0.048	0.018	0.018	-0.058	-0.024	0.037	-0.016	-0.004	0.004	-0.027	-0.008	0.002	0.005	1.000													
S_%	0.381	0.198	-0.148	0.274	0.308	-0.073	#DIV/0!	0.015	-0.114	0.182	-0.097	-0.089	-0.008	0.197	-0.154	-0.016	0.166	-0.306	-0.154	-0.250	0.030	-0.036	-0.093	0.363	0.142	1.000												
Sb_ppm	0.357	0.367	-0.008	0.156	0.008	0.056	-0.009	-0.032	-0.063	0.067	-0.040	-0.153	-0.023	0.293	-0.058	0.108	0.022	-0.008	-0.070	-0.061	0.048	-0.050	-0.071	0.165	0.063	0.331	1.000											
Sc_ppm	-0.038	0.013	0.875	-0.059	-0.096	0.803	-0.396	0.087	0.229	-0.042	0.393	0.062	0.041	0.391	-0.315	-0.053	0.819	0.610	0.652	0.355	-0.102	0.289	0.574	0.350	0.017	-0.110	0.013	1.000										
Se_ppm	0.492	0.660	-0.196	0.292	0.342	-0.006	#DIV/0!	0.496	-0.135	0.259	-0.124	-0.124	0.058	0.014	-0.207	0.083	0.104	-0.195	-0.181	-0.247	0.085	-0.104	-0.132	0.129	0.432	0.576	0.465	-0.136	1.000									
Sr_ppm	-0.037	-0.010	0.186	-0.017	-0.073	0.173	-0.129	-0.026	0.895	-0.002	0.078	-0.102	-0.005	0.068	-0.109	-0.028	0.152	0.119	0.203	0.323	-0.060	0.297	0.112	0.143	0.006	-0.094	-0.027	0.266	-0.101	1.000								
Te_ppm	0.372	0.460	-0.145	0.689	0.847	-0.014	#DIV/0!	0.526	-0.075	0.104	-0.034	-0.085	0.027	0.144	-0.152	-0.045	-0.110	-0.141	-0.093	-0.102	-0.032	-0.108	-0.061	-0.072	0.303	0.270	-0.017	-0.075	0.386	-0.064	1.000						
Th_ppm	-0.156	-0.067	0.370	-0.083	-0.110	0.482	#DIV/0!	-0.017	0.205	-0.016	0.343	0.113	0.064	0.431	0.372	0.047	0.361	0.511	0.228	0.463	0.264	0.400	0.226	0.136	-0.010	-0.114	-0.029	0.253	-0.174	0.300	-0.089	1.000					
Ti_%	-0.016	0.002	0.809	-0.056	-0.045	0.829	-0.518	0.048	0.155	-0.053	0.217	0.043	-0.003	0.213	-0.431	-0.069	0.844	0.568	0.320	0.260	-0.099	0.378	0.285	0.221	0.024	-0.165	0.021	0.830	-0.177	0.216	-0.093	0.090	1.000				
Tl_ppm	0.046	-0.052	-0.427	0.011	-0.094	-0.423	0.976	0.304	-0.087	0.033	0.046	0.379	-0.072	0.074	0.939	0.668	-0.441	-0.104	-0.055	-0.095	0.296	-0.250	0.011	0.027	-0.044	0.217	-0.028	-0.334	0.138	-0.104	-0.108	0.049	-0.368	1.000			
U_ppm	0.041	-0.058	-0.458	0.016	-0.057	-0.459	0.978	0.304	-0.084	0.036	0.046	0.366	-0.067	0.073	0.950	0.661	-0.480	-0.130	-0.052	-0.091	0.289	-0.259	0.010	0.024	-0.054	0.168	-0.047	-0.360	0.063	-0.109	-0.060	0.566	-0.397	0.997	1.000		
V_ppm	-0.056	0.000	0.896	-0.068	-0.089	0.801	-0.444	0.082	0.206	-0.048	0.378	0.069	0.030	0.404	-0.350	-0.074	0.803	0.597	0.663	0.319	-0.071	0.302	0.543	0.376	0.015	-0.098	0.017	0.957	-0.137	0.234	-0.083	0.201	0.859	-0.372	-0.397	1.000		
W_ppm	0.045	-0.058	-0.385	0.006	-0.072	-0.389	0.969	0.307	-0.080	0.023	0.053	0.405	-0.075	0.082	0.926	0.674	-0.404	-0.078	-0.047	-0.085	0.294	-0.245	0.019	0.035	-0.050	0.114	-0.036	-0.300	0.160	-0.099	-0.067	0.309	-0.320	0.992	0.989	-0.335	1.000	
Zn_ppm	0.087	0.092	0.059	0.261	0.404	0.014	0.083	0.109	0.005	0.968	0.189	-0.041	0.033	0.122	-0.024	-0.008	0.016	0.031	0.091	0.068	-0.021	0.012	0.123	0.075	0.310	0.173	0.058	0.054	0.263	0.016	0.116	0.002	0.011	-0.032	-0.030	0.052	-0.041	1.000
Zr_ppm	0.004	-0.023	0.878	-0.119	#DIV/0!	0.793	#DIV/0!	0.168	-0.014	0.246	0.355	0.121	0.082	0.470	#DIV/0!	0.137	0.840	0.865	0.449	0.111	-0.060	0.300	0.473	0.496	0.027	#DIV/0!	0.141	0.732	#DIV/0!	0.088	#DIV/0!	#DIV/0!	0.777	0.501	#DIV/0!	0.738	0.481	0.494	1.000

Compay	Year	SampleNo.	Easting	Northing	Au ppb	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Ratio Ba/Sr	Ratio K/Tl	Ratio Ti/Sr
Precipitate	2012	CR102	521475	6867227	44.7	0.122	1.49	337.4	10.0	47.6	0.40	0.010	0.086	5.95	21.4	23.27	3.56	4.65	0.01	0.09	10.3	0.43	293.0	0.58	0.001	25.0	630.0	21.5	0.01	0.6	1.2	0.20	5.3	0.04	1.25	0.007	0.06	1.2	16.0	0.30	62.0		680.00	0.33	0.01
Precipitate	2012	CR103	521523	6867259	17.8	0.182	1.53	98.0	10.0	19.7	0.20	0.010	0.037	1.90	7.8	10.39	1.77	4.58	0.01	0.05	16.7	0.08	58.0	0.43	0.001	6.0	520.0	21.9	0.01	0.2	0.2	0.05	5.6	0.06	0.40	0.005	0.05	0.5	11.0	0.05	17.0		197.00	0.20	0.02
Precipitate	2012	CR104	521508	6867232	18.2	0.174	1.51	98.0	10.0	19.7	0.20	0.010	0.037	1.90	7.8	10.39	1.77	4.58	0.01	0.05	16.7	0.08	58.0	0.43	0.001	6.0	520.0	21.9	0.01	0.2	0.2	0.05	5.6	0.06	0.40	0.005	0.05	0.5	11.0	0.05	17.0		197.00	0.20	0.02
Precipitate	2012	CR105	521475	6867244	34.9	0.118	0.98	212.7	10.0	24.3	0.25	0.005	0.120	5.32	13.2	28.61	3.07	2.90	0.01	0.02	29.0	0.26	178.0	0.62	0.001	18.8	380.0	61.7	0.01	1.6	1.2	0.05	4.8	0.06	1.65	0.003	0.06	1.1	9.0	0.20	97.3		855.00	0.33	0.01
Precipitate	2012	CR111	521525	6867214	104.4	0.122	0.65	168.2	10.0	12.0	0.20	0.010	0.023	1.90	4.2	6.49	1.77	2.03	0.01	0.03	24.2	0.08	58.0	0.32	0.001	5.0	300.0	26.5	0.01	0.1	0.2	0.20	3.8	0.03	0.60	0.005	0.05	0.5	7.0	0.05	17.0		152.00	0.13	0.04
Precipitate	2012	CR114	520608	6862624	0.1	0.031	1.92	10.4	10.0	10.8	0.21	0.005	0.030	1.95	3.6	3.95	0.45	3.55	0.01	0.02	2.0	0.05	24.0	0.24	0.015	3.1	1610.0	32.4	0.01	0.1	1.2	0.20	3.4	0.01	0.05	0.08	0.1	8.0	0.05	6.6		135.00	0.25	0.02
Precipitate	2012	CR117	521527	6862624	2.3	0.178	1.73	10.4	10.0	10.8	0.21	0.005	0.030	1.95	3.6	3.95	0.45	3.55	0.01	0.02	2.0	0.05	24.0	0.24	0.015	3.1	1610.0	32.4	0.01	0.1	1.2	0.20	3.4	0.01	0.05	0.08	0.1	8.0	0.05	6.6		135.00	0.25	0.02
Precipitate	2012	CR118	521627	6862629	0.6	0.101	0.96	33.3	10.0	15.1	0.45	0.010	0.045	5.18	17.4	32.57	3.84	7.26	0.04	0.09	23.1	0.21	305.0	0.77	0.001	11.5	1610.0	32.4	0.01	0.1	1.1	0.05	4.6	0.03	1.85	0.017	0.05	0.7	33.0	0.10	43.6		686.00	0.60	0.01
Precipitate	2012	CR121	521470	6862623	825.1	2.072	1.66	2630.6	10.0	164.5	1.55	0.020	0.230	2.80	13.7	33.91	5.37	6.20	0.02	0.05	17.8	0.50	326.0	0.83	0.001	25.2	750.0	1310.1	0.01	2.0	1.7	0.30	7.4	0.01	6.80	0.010	0.05	1.0	20.0	0.10	97.3		2741.67	0.33	0.01
Precipitate	2012	CR128	521475	6862623	3.2	0.092	1.30	10.4	10.0	10.8	0.21	0.005	0.030	1.95	3.6	3.95	0.45	3.55	0.01	0.02	2.0	0.05	24.0	0.24	0.015	3.1	1610.0	32.4	0.01	0.1	1.2	0.20	3.4	0.01	0.05	0.08	0.1	8.0	0.05	6.6		135.00	0.25	0.02
Precipitate	2012	CR129	521830	6862527	2.6	0.729	0.51	10.4	10.0	25.5	0.01	0.005	0.100	1.90	6.6	14.69	1.10	2.80	0.01	0.02	5.7	0.03	40.0	0.37	0.009	5.7	760.0	9.5	0.01	0.2	0.2	0.05	4.3	0.01	0.05	0.002	0.02	0.6	11.0	0.10	15.7		1275.00	1.00	0.00
Precipitate	2012	CR143	521525	6862527	4.6	0.160	1.40	10.4	10.0	10.8	0.21	0.005	0.030	1.95	3.6	3.95	0.45	3.55	0.01	0.02	2.0	0.05	24.0	0.24	0.015	3.1	1610.0	32.4	0.01	0.1	1.2	0.20	3.4	0.01	0.05	0.08	0.1	8.0	0.05	6.6		135.00	0.25	0.02
Precipitate	2012	CR130	521879	6862528	2.2	0.244	1.69	108.8	10.0	21.7	0.22	0.005	0.050	6.95	18.6	29.55	4.68	5.20	0.02	0.02	23.6	0.25	187.0	0.67	0.001	16.7	1950.0	23.7	0.01	0.4	1.1	0.20	6.1	0.03	1.50	0.006	0.06	1.0	17.0	0.20	49.5		361.67	0.33	0.01
Precipitate	2012	CR131	521863	6862523	6.0	0.091	0.86	10.4	10.0	10.8	0.21	0.005	0.030	1.95	3.6	3.95	0.45	3.55	0.01	0.02	2.0	0.05	24.0	0.24	0.015	3.1	1610.0	32.4	0.01	0.1	1.2	0.20	3.4	0.01	0.05	0.08	0.1	8.0	0.05	6.6		135.00	0.25	0.02
Precipitate	2012	CR132	521927	6862529	16.1	0.151	1.72	162.3	10.0	18.1	0.24	0.005	0.080	7.95	17.6	31.86	3.55	4.46	0.01	0.02	10.1	0.31	253.0	0.71	0.001	22.0	600.0	33.3	0.01	0.4	1.0	0.05	5.0	0.10	1.90	0.007	0.18	1.0	16.0	0.10	57.5		709.33	0.11	0.04
Precipitate	2012	CR135	522725	6862722	10.5	0.412	0.57	92.3	10.0	16.7	0.21	0.005	0.090	5.60	9.6	17.95	1.98	3.60	0.02	0.02	6.2	0.12	350.0	0.57	0.007	12.9	680.0	34.0	0.01	0.8	0.3	0.30	3.5	0.06	0.60	0.002	0.03	0.5	11.0	0.05	52.5		556.67	0.67	0.01
Precipitate	2012	CR137	522726	6862528	8.5	0.326	1.32	92.3	10.0	16.7	0.21	0.005	0.090	5.60	9.6	17.95	1.98	3.60	0.02	0.02	6.2	0.12	350.0	0.57	0.007	12.9	680.0	34.0	0.01	0.8	0.3	0.30	3.5	0.06	0.60	0.002	0.03	0.5	11.0	0.05	52.5		556.67	0.67	0.01
Precipitate	2012	CR138	522727	6862524	5.6	0.355	0.43	65.4	10.0	18.1	0.26	0.005	0.040	4.49	7.6	12.48	1.96	4.30	0.01	0.02	5.5	0.07	284.0	0.42	0.006	7.0	720.0	14.0	0.01	0.2	0.05	3.7	0.02	0.05	0.001	0.04	0.3	16.0	0.05	25.5		452.50	0.50	0.01
Precipitate	2012	CR139	522729	6862529	1.9	0.088	1.00	126.7	10.0	19.1	0.34	0.005	0.060	3.10	17.6	34.05	3.43	4.65	0.01	0.02	14.0	0.18	372.0	0.71	0.001	17.3	1190.0	27.4	0.01	0.5	1.0	0.05	5.0	0.08	0.65	0.004	0.08	0.8	19.0	0.05	53.8		1190.00	0.25	0.02
Precipitate	2012	CR141	522468	6862523	13.4	0.274	1.97	98.7	10.0	34.4	0.34	0.005	0.040	8.35	11.8	25.46	2.65	3.76	0.01	0.02	8.7	0.21	768.0	0.49	0.007	17.7	680.0	18.8	0.02	1.1	0.5	0.10	3.2	0.04	0.90	0.005	0.05	0.7	12.0	0.05	45.7		688.00	0.20	0.02
Precipitate	2012	CR142	522527	6862524	7.5	0.094	0.90	112.8	10.0	10.4	0.43	0.005	0.060	10.90	15.5	28.93	4.57	6.10	0.04	0.02	7.0	0.13	920.0	0.84	0.005	16.2	1910.0	23.8	0.01	1.0	0.4	0.20	5.1	0.12	0.90	0.001	0.05	0.6	22.0	0.05	48.4		638.00	0.40	0.02
Precipitate	2012	CR144	522624	6862528	4.2	0.232	0.46	65.4	10.0	23.1	0.18	0.005	0.020	4.99	5.8	15.96	1.73	3.90	0.01	0.02	6.2	0.04	235.0	0.66	0.008	10.7	580.0	11.4	0.02	1.0	0.2	0.05	3.0	0.05	0.05	0.001	0.04	0.5	15.0	0.05	30.6		462.00	0.40	0.02
Precipitate	2012	CR145	522624	6862527	2.6	0.165	1.66	10.4	10.0	10.8	0.21	0.005	0.030	1.95	3.6	3.95	0.45	3.55	0.01	0.02	2.0	0.05	24.0	0.24	0.015	3.1	1610.0	32.4	0.01	0.1	1.2	0.20	3.4	0.01	0.05	0.08	0.1	8.0	0.05	6.6		135.00	0.25	0.02
Precipitate	2012	CR146	522762	6862528	4.6	0.187	1.20	110.8	10.0	19.5	0.41	0.005	0.110	14.90	17.6	33.19	3.48	5.60	0.04	0.02	7.5	0.25	1542.0	1.04	0.006	22.8	940.0	16.0	0.01	0.4	0.8	0.10	4.2	0.03	0.80	0.001	0.05	0.8	20.0	0.05	62.8		779.17	0.17	0.02
Precipitate	2012	CR148	522764	6862527	1.4	0.257	0.29	59.0	10.0	10.4	0.21	0.005	0.030	1.95	3.6	3.95	0.45	3.55	0.01	0.02	2.0	0.05	24.0	0.24	0.015	3.1	1610.0	32.4	0.01	0.1	1.2	0.20	3.4	0.01	0.05	0.08	0.1	8.0	0.05	6.6		135.00	0.25	0.02
Precipitate	2012	CR150	521951	6864616	8.2	0.092	1.72	59.3	10.0	50.0	0.44	0.190	0.090	28.05	21.6	69.46	3.24	4.76	0.01	0.02	6.1	0.58	858.0	1.26	0.006	28.7	720.0	48.1	0.06	0.3	1.3	0.10	17.0	0.02	1.30	0.009	0.06	4.6	12.0	0.05	56.5		833.33	0.50	0.00
Precipitate	2012	CR153	522948	6862622	0.1	0.516	0.75	41.6	10.0	24.7	0.35	0.005	0.100	9.00	12.5	28.12	4.14	5.10	0.04	0.03	11.6	0.14	685.0	0.83	0.005	21.3	1090.0	23.6	0.02	0.8	0.6	0.30	4.5	0.07	0.30	0.001	0.08	0.6	18.0	0.05	52.0		928.75	0.25	0.02
Precipitate	2012	CR154	522948	6862624	0.1	0.182	1.04	41.6	10.0	24.7	0.35	0.005	0.100	9.00	12.5	28.12	4.14	5.10	0.04	0.03	11.6	0.14	685.0	0.83	0.005	21.3	1090.0	23.6	0.02	0.8	0.6	0.30	4.5	0.07	0.30	0.001	0.08	0.6	18.0	0.05	52.0		928.75	0.25	0.02
Precipitate	2012	CR155	522859	6862614	0.6	0.206	0.43	4.3	10.0	14.6	0.06	0.005	0.070	1.50	5.5	7.05	0.97	2.80	0.02	0.02	2.1	0.01	258.0	0.35	0.016	2.9	590.0	4.2	0.03	0.1	0.1	0.05	2.6	0.04	0.05	0.001	0.01	0.3	10.0	0.05	7.1		1460.00	2.00	0.00
Precipitate	2012	CR156	522733	6862623	1.7	0.207	1.70	84.6	10.0	19.1	0.34	0.005	0.060	3.10	17.6	34.05	3.43	4.65	0.01	0.02	14.0	0.18	372.0	0.71	0.001	17.3	1190.0	27.4	0.01	0.5	1.0	0.05	5.0	0.08	0.65	0.004	0.08	0.8	19.0	0.05	53.8		1190.00	0.25	0.02
Precipitate	2012	CR157	522760	6862622	2.2	0.308	1.38	49.8	10.0	16.8	0.16	0.005	0.110	14.30	26.5	27.28	5.05	7.50	0.04	0.02	6.7	0.25	1966.0	0.95	0.004	15.7	1660.0	27.6	0.07	0.6	0.5	0.20	3.5	0.08	0.50	0.003	0.03	0.8	24.0	0.05	61.6		1236.67	0.67	0.01
Precipitate	2012	CR158	522761	6862623	0.4	0.214	1.01	49.8	10.0	16.8	0.16	0.005	0.110	14.30	26.5	27.28	5.05	7.50	0.04	0.02	6.7	0.25	1966.0	0.95	0.004	15.7	1660.0	27.6	0.07	0.6	0.5	0.20	3.5	0.08	0.50	0.003	0.03	0.8	24.0	0.05	61.6		1236.67	0.67	0.01
Precipitate	2012	CR159	522619	6862623	5.1	0.093	0.82	8.6	10.0	29.1	0.06	0.005	0.030	2.85	9.1	12.14	1.51	4.20	0.01	0.02	5.0	0.07	216.0	0.28	0.013	4.3	540.0	7.2	0.03	0.2	0.4	0.20	4.3	0.02	0.05	0.004	0.04	0.2	12.0	0.05	10.7		832.50	0.50	0.01
Precipitate	2012	CR160	522663	6862630	1.2	0.200	1.03	71.3	10.0	84.6	0.51	0.005	0.240	21.60	14.7	48.58	2.58	4.40	0.12	0.04	4.0	0.33	1603.0	0.62	0.006	11.4	560.0	54.1	0.15	0.2	0.7	0.10	4.1	0.08	0.40	0.001	0.06	0.6	13.0	0.05	37.4		1610.00	0.67	0.01
Precipitate	2012	CR161	522670	6862630	0.2	0.082	0.26	8.6	10.0	29.1	0.06	0.005	0.030	2.85	9.1	12.14	1.51	4.20	0.01	0.02	5.0	0.07	216.0	0.28	0.013	4.3	540.0	7.2	0.03	0.2	0.4	0.20	4.3	0.02	0.05	0.004	0.04	0.2	12.0	0.05	10.7		832.50	0.50	0.01
Precipitate	2012	CR163	522421	6862619	7.5	0.066	1.33	158.4	10.0	24.4	0.32	0.010	0.040	3.70	20.6	28.58	4.69	5.50	0.03	0.03	13.0	0.25	419.0	1.01	0.004	21.3	600.0	24.2	0.03	0.9	1.4	0.30	4.2	0.08	1.10	0.012	0.13	0.9	26.0	0.05	61.7		187.69	0.23	0.03
Precipitate	2012	CR165	521118	6862623	2.4	0.155	1.03	10.4	10.0	10.8	0.21	0.005	0.030	1.95	3.6	3.95	0.45	3.55	0.01	0.02	2.0	0.05	24.0	0.24	0.015	3.1	1610.0	32.4	0.01	0.1	1.2	0.20	3.4	0.01	0.05	0.08	0.1	8.0	0.05	6.6		135.00	0.25	0.02
Precipitate	2012	CR167	521953	6864616	8.2	0.092	1.72	59.3	10.0	50.0	0.44	0.190	0.090	28.05	21.6	69.46	3.24	4.76	0.01	0.02	6.1	0.58	858.0	1.26	0.006	28.7	720.0	48.1	0.06	0.3	1.3	0.10	17.0	0.02	1.30	0.009	0.06	4.6	12.0	0.05	56.5		833.33	0.50	0.00
Precipitate	2012	CR168	522669	6864622	8.0	0.172	1.91	20.5	10.0	16.9	1.13	0.070	0.030	28.00	23.6	152.88	5.27	4.60	0.01	0.03	14.2	0.83	1845.0	1.14	0.001	50.9	470.0	84.0	0.01	0.2	1.0	0.05	7.7	0.30	6.90	0.001	0.01	1.5	17.0	0.05	93.0		1690.00	3.00	0.00
Precipitate	2012	CR195	521149	6862623	1.4	0.202	1.50	10.4	10.0	10.8	0.21	0.005	0.030	1.95	3.6	3.95	0.45	3.55	0.01	0.02	2.0	0.05	24.0	0.24	0.015	3.1	1610.0	32.4	0.01	0.1	1.2	0.20	3.4	0.01	0.05	0.08	0.1	8.0	0.05	6.6		135.00	0.25	0.02
Precipitate	2012	CR196	522276	6862325	30.4	0.088	0.69	961.7	10.0	67.0	0.21	0.005	0.030	3.80	11.9	18.21	3.04	4.50	0.02	0.02	16.7	0.12	185.0	0.85	0.003	11.0	620.0	10.8	0.03	1.0	0.7	0.20	51.5	0.37	1.80	0.007	0.03	1.9	19.0	0.20	31.0		145.65	0.07	0.01
Precipitate	2012	CR197	522276	6862324	10.4	0.068	0.69	961.7	10.0	67.0	0.21	0.005	0.030	3.80	11.9	18.21	3.04	4.50	0.02	0.02	16.7	0.12	185.0	0.85	0.003	11.0	620.0	10.8	0.03	1.0	0.7	0.20	51.5	0.37	1.80	0.007	0.03	1.9	19.0	0.20	31.0		145.65	0.07	0.01
Precipitate	2012	CR198	522377	6862323	3.4	0.088	1.23	431.6	10.0	29.4	0.25	0.010	0.040	3.80	17.2	15.38	3.20	5.90	0.01	0.02	15.6	0.22	155.0	0.83	0.002	11.8	460.0	19.4	0.02	0.4	0.8	0.20	15.5	0.07	0.70	0.006	0.03	1.1	24.0	0.10	35.8		91.88	0.06	0.02
Precipitate	2012	CR199	522378	6862323	12.8	0.071	1.38	431.6	10.0	29.4	0.25	0.010	0.040	3.80	17.2	15.38	3.20	5.90	0.01	0.02	15.6	0.22	155.0	0.83	0.002	11.8	460.0	19.4	0.02	0.4	0.8	0.20	15.5	0.07	0.70	0.006	0.03	1.1	24.0	0.10	35.8		91.88	0.06	0.02
Precipitate	2012	CR200	522467	6862323	3.2	0.111	1.36	73.3	10.0	20.1	0.09	0.005	0.030	3.85	6.0	10.37	0.61	2.55	0.01	0.02	13.3	0.01	147.0	0.27	0.003	9.4	340.0	4.2	0.01	0.2	0.2	0.05	2.1	0.04	0.05	0.007	0.01	0.3	6.0	0.10	22.5		294.29	0.29	0.03
Precipitate	2012	CR201	522524	6862323	2.8	0.078	0.97	76.6	10.0	10.6	0.32	0.010	0.080	9.90	19.3	29.48	3.67	7.80	0.01	0.03	11.3	0.14	1384.0	1.02	0.005	14.4	960.0	21.9	0.04	0.6	0.4	0.20	4.7	0.05	0.65	0.001	0.05	0.6	11.0	0.05	51.8		843.33	0.50	0.01
Precipitate	2012	CR202	522524	6862324	3.6	0.081	0.86	76.6	10.0	10.6	0.32	0.010	0.080	9.90	19.3	29.48	3.67	7.80	0.01	0.03	11.3	0.14	1384.0	1.02	0.005	14.4	960.0	21.9	0.04	0.6	0.4	0.20	4.7	0.05	0.65	0.001	0.05	0.6	11.0	0.05	51.8		843.33	0.50	0.01
Precipitate	2012	CR203	522621	6862328	7.1	0.121	1.86	67.6	10.0	20.5	0.34	0.020	0.130	11.20	34.3	39.45	5.51	6.50	0.06	0.03	8.7	0.47	583.0	0.86	0.003	25.9	990.0	42.5	0.05	0.8	0.6	0.30	4.3	0.14	0.80	0.004	0.06	1.1	22.0	0.10	67.9		341.67	0.50	0.01
Precipitate	2012	CR204	522621	6862328	2.4	0.080	1.42	67.6	10.0	20.5	0.34	0.020	0.130	11.20	34.3	39.45	5.51	6.50	0.06	0.03	8.7	0.47	583.0	0.86	0.003	25.9	990.0	42.5	0.05	0.8	0.6	0.30	4.3	0.14	0.80	0.004	0.06	1.1	22.0	0.10	67.9		341.67	0.50	0.01
Precipitate	2012	CR205	522752	6862328	15.5	0.054	1.98	117.7	10.0	19.3	0.34	0.030	0.110	20.60	26.5	33.35	4.99	4.80	0.01	0.03	11.1	0.84	1215.0	0.73	0.002	34.0	660.0	43.2	0.02	1.0	1.4	0.05	4.9	0.07	1.50	0.008	0.04	0.7	17.0	0.05	80.7		416.25	0.38	0.02
Precipitate	2012	CR206	522801	6862328	4.7	0.156	1.99	38.1	10.0	52.0	0.45	0.010	0.070	15.70	29.5	31.55	5.71	8.50	0.05	0.03	6.2	0.16	3451.0	0.77	0.005	13.4	2390.0	18.4	0.04	0.5	0.5	0.30	4.7	0.04	0.70	0.005	0.04	0.8	31.0	0.05	44.0		866.67	0.50	0.01
Precipitate	2012	CR207	522802	6862328	2.3	0.195	1.19	54.1	10.0	43.6	0.29	0.005	0.060	6.60	19.0	26.75	3.13	5.20	0.02	0.02	9.9	0.30	1551.0	0.57	0.004	16.6	940.0	21.5	0.03	0.6	0.3	0.20	4.3	0.07	0.40	0.001	0.07	0.8	18.0	0.05	49.3		622.86	0.29	0.02
Precipitate	2012	CR208	522802	6862328	2.8	0.207	1.45	54.1	10.0	43.6	0.29	0.005	0.060	6.60	19.0	26.75	3.13	5.20	0.02	0.02	9.9	0.30	1551.0	0.57	0.004	16.6	940.0	21.5	0.03	0.6	0.3	0.20	4.3	0.07	0.40	0.001	0.07	0.8	18.0	0.05	49.3		622.86	0.29	0.02
Precipitate	2012	CR209	522807	6864644	3.8	0.224	1.87	49.8	10.0	16.8	0.16	0.005	0.110	14.30	26.5	27.28	5.05	7.50	0.04	0.02	6.7	0.25	1966.0	0.95	0.004	15.7	1660.0	27.6	0.07	0.6	0.5	0.20	3.5	0.08	0.50	0.003	0.03	0.8	24.0	0.05	61.6		1236.67	0.67	0.01
Precipitate	2012	CR210	522808	6864644	2.8	0.219	1.87	49.8	10.0	16.8	0.16	0.005	0.110	14.30	26.5	27.28	5.05	7.50	0.04	0.02	6.7	0.25	1966.0	0.95	0.004	15.7	1660.0	27.6	0.07	0.6	0.5	0.20	3.5	0.08	0.50	0.003	0.03	0.8	24.0	0.05	61.6		1236.67	0.67	0.01
Precipitate	2012	CR211	522468	6864644	1.9	0.083	1.48	49.8	10.0	16.8	0.16	0.005	0.110	14.30	26.5	27.28	5.05	7.50	0.04	0.02	6.7	0.25	1966.0	0.95	0.004	15.7	1660.0	27.6	0.07	0.6	0.5	0.20	3.5	0.08	0.50	0.003	0.03	0.8	24.0	0.05	61.6		1236.67	0.67	0.01
Precipitate	2012	CR212	522469	6864644	1.9	0.083	1.48	49.8	10.0	16.8	0.16	0.005	0.110	14.30	26.5	27.28	5.05	7.50	0.04	0.02	6.7	0.25	1966.0	0.95	0.004	15.7	1660.0	27.6	0.07	0.6	0.5	0.20	3.5	0.08	0.50	0.003	0.03	0.8	24.0	0.05	61.6		1236.67	0.67	0.01
Precipitate	2012	CR213	522470	6864644	3.8	0.224	1.87	49.8	10.0	16.8	0.16	0.005	0.110	14.30	26.5	27.28	5.05	7.50	0.04	0.02	6.7	0.25	1966.0	0.95	0.004	15.7

SAMP_NUM	DSAMP_COLOUR1	DSAMP_COLOUR2	DSAMP_SLOPE	DSAMP_DEPTH_CM	DSAMP_HORIZON	DSAMP_QUAL	DSAMP_NOTE	DSAMP_NOTE2
PGL001 00+00	dark	brown	0 - 20	25	B	2	Start of line	
PGL001 00+50S	dark	brown	0 - 20	25	B	3	Rocky	
PGL001 01+00S	grey		0 -20	25	C	2		
PGL001 01+50S	grey	brown	0 - 20	25	B	3		
PGL001 02+00S	grey		30 - 40	25	B	2		
PGL001 02+50S	golden	brown	30 - 40	25	B	4		
PGL001 03+00S	golden	brown	30 - 40	25	B	5		
PGL001 03+50S	grey	brown	20 - 30	25	B	3	Rocky	
PGL001 04+00S	golden	brown	20 - 30	25	B	4		
PGL001 04+50S	grey		0-10	25	A	1	Organic	
PGL001 05+00S	grey		0 - 10	25	B	1	Rocky	
PGL001 05+50S	grey		20 - 30	25	A	1	Rocky	
PGL002 00+00	golden	brown	0 - 20	25	B	5		
PGL002 00+50N	grey	brown	0 - 20	25	B	2	Rocky	
PGL002 01+00N	grey	brown	0 - 20	25	A	2		
PGL002 01+50N	grey		0 - 20	25	A	1	Rocky	
PGL002 02+00N	grey	grey	0 - 20	25	A	2		
PGL002 02+50S		brown	0 - 20	25	A	1	Rocky	Organic
PGL002 03+00N		brown	0 - 20	25	B	3	Rocky	
PGL002 03+50N	brown	grey	0 - 20	25	B	1	Rocky	
PGL002 04+00N	grey	brown	0 - 20	25	A	1	Rocky	
PGL002 04+50N	rusty	brown	0 - 20	25	B	4		
PGL002 05+00N	grey	brown	0 - 20	25	B	3		
PGL002 05+50N	rusty	brown	0 - 20	25	A	1		
PGL003 00+00	grey		0 - 20	25	A	2	Rocky	
PGL003 00+50S	rusty	brown	0 - 20	25	B	3		
PGL003 01+00S	brown		0 - 20	25	A	3		
PGL003 01+50S	light	brown	0 - 20	25	B	3	Rocky	
PGL003 02+00S	light	brown	0 - 20	25	B	2	Rocky	
PGL003 02+50S	grey	brown	0 - 20	25	B	3	Organic	
PGL003 03+00S	grey	brown	0 - 20	25	B	3		
PGL003 03+50S	rusty	brown	0 - 20	25	B	4		
PGL003 04+00S			0 - 20	25			No sample	
PGL003 04+50S	grey		0 - 20	25	A	1	Rocky	
PGL003 05+00S	grey		0 - 20	25	A	1		
PGL003 05+50S	rusty	brown	0 - 20	25	B	4		
PGL003 06+00S	grey	brown	0 - 20	25	B	4		
PGL003 06+50S	grey		0 - 20	25	A	2	Rocky	
PGL003 07+00S	light	brown	0 - 20	25	B	4		
PGL003 07+50S	light	brown	0 - 20	25	B	3		
PGL003 08+00S	rusty	brown	0 - 20	25	B	4	Rocky	
PGL004 00+00	golden	brown	0 - 20	25	B	5	Line Start	
PGL004 00+50N	grey		0 - 20	25	A	2	Organic	
PGL004 01+00N	grey		0 - 20	25	B	3		
PGL004 01+50N	grey		0 - 20	25	B	3		
PGL004 02+00N	grey		0 - 20	25	B	2	Rocky	
PGL004 02+50N	grey		0 - 20	25	B	3		
PGL004 03+00N	grey		0 - 20	25	B	3		
PGL004 03+50N	grey		0 - 20	25	B	3		
PGL004 04+00N	grey		0 - 20	25	B	3		
PGL004 04+50N	grey		0 - 20	25	B	2		
PGL004 05+00N	grey		0 - 20	25	B	3		
PGL004 05+50N	brown		0 - 20	25	B	3	10m before	
PGL004 06+00N	brown		0 - 20	25	B	4	Rocky	
PGL004 06+50N	red	grey	0 - 20	25	B	4		
PGL004 07+00N	golden	brown	0 - 20	25	B	5		
PGL004 07+50N	grey		0 - 20	25	B	3		
PGL004 08+00N	rusty	brown	0 - 20	25	B	4		
PGL005 00+00	brown		0 - 20	25	B	2	Organic	
PGL005 00+50S	light	brown	0 - 20	25	B	3		
PGL005 01+00S	grey		0 - 20	25	B	3	Organic	
PGL005 01+50S	grey		0 - 20	25	B	4	Near Creek	
PGL005 02+00S	grey		0 - 20	25	B	2	Rocky	
PGL005 02+50S	brown		0 - 20	25	B	3	Rocky	
PGL005 03+00S	grey		0 - 20	25	A	3		
PGL005 03+50S							No sample	
PGL005 04+00S	grey		0 - 20	25	B	1	Rocky	
PGL005 04+50S	brown		0 - 20	25	B	5	Rocky	
PGL005 05+00S	grey	brown	0 - 20	25	B	3	Cliff	
PGL005 05+50S	brown		0 - 20	25	B	2	Rocky	Organic
PGL005 06+00S	brown		0 - 20	25	B	3	Rocky	
PGL005 06+50S	grey		0 - 20	25	A	2	Rocky	
PGL005 07+00S	brown		0 - 20	25	B	2	Rocky	
PGL005 07+50S	brown		0 - 20	25	B	3	Sandy	
PGL005 08+00S	brown		0 - 20	25	B	2	Rocky	Organic
PGL005 08+50S	brown		0 - 20	25	B	3	Shale	
PGL005 09+00S	grey		0 - 20	25	B	3	End of line	
PGL006 00+00	grey		0 - 20	15	B	2	Rocky	
PGL006 00+50N	brown		0 - 20	25	B	3		
PGL006 01+00N	brown		0 - 20	35	B	4		
PGL006 01+50N	black		0 - 20	25	A	2		
PGL006 02+00N	grey		0	25	A	2	organic	
PGL006 02+50N	light	brown	0 - 20	25	B	4		
PGL006 03+00N	brown		0 - 20	25	B	4		
PGL006 03+50N	brown		0 - 20	25	B	3	Organic	
PGL006 04+00N	light	brown	0 - 20	15	B	4		
PGL006 04+50N	grey	brown	0 - 20	25	B	2	Organic	
PGL006 05+00N	light	brown	0 - 20	25	B	4		
PGL006 05+50N	light	brown	0 - 20	15	B	3		
PGL006 06+00N	brown		0 - 20	25	B	4	Organic	
PGL006 06+50N	dark	brown	0 - 20	25	B	4	rocky	
PGL006 07+00N	grey		0 - 20	15	A	1	rocky	

SAMP_NUM	DSAMP_COLOUR1	DSAMP_COLOUR2	DSAMP_SLOPE	DSAMP_DEPTH_CM	DSAMP_HORIZON	DSAMP_QUAL	DSAMP_NOTE	DSAMP_NOTE2
PGL006 07+50N	brown		0 - 20	25	B	3		
PGL006 08+00N	brown		0 - 20	15	B	4		
PGL006 08+50N	brown		0 - 20	25	B	3	rocky	
PGL006 09+00N	brown		0 - 20	25	B	4		
PGL007 00+00	light	brown	0 - 20	25	B	5		
PGL007 00+50S	brown		0 - 20	25	B	4		
PGL007 01+00S	brown		0 - 20	15	B	4		
PGL007 01+50S	grey		0 - 20	25	A	2	rocky	
PGL007 02+00S	light	brown	0 - 20	25	B	3	ash	
PGL007 02+50S	light	brown	0 - 20	25	B	3	Organic	
PGL007 03+00S	brown		0 - 20	15	A	1	rocky	
PGL007 03+50S	red	brown	0 - 20	15	B	4	rocky	
PGL007 04+00S	light	brown	0 - 20	35	B	3		
PGL007 04+50S	black		0 - 20	35	A	1	rocky	Organic
PGL007 05+00S	black		0 - 20	15	A	1	Organic	
PGL007 05+50S	grey		0 - 20	25	B	3		
PGL006 06+00S	dark	brown	0 - 20	35	B	4		
PGL007 06+50S	brown		40 - 50	15	B	2	rocky	
PGL007 07+00S	light	brown	0 - 20	25	B	4		
PGL007 07+50S	grey	brown	0 - 20	25	B	3		
PGL007 08+00S	light	brown	0 - 20	35	B	3		
PGL007 08+50S			0 - 20	25	No Sample		No sample	
PGL007 09+00S	brown		0 - 20	25	B	4		
PGL007 09+50S	red	brown	0 - 20	35	B	3	rocky	
PGL007 10+00S							No sample	
PGL008 00+00	light	brown	0 - 20	25	B	3		
PGL008 00+50N	light	brown	0 - 20	25	B	3		
PGL008 01+00N	light	brown	0 - 20	25	B	4		
PGL008 01+50N	light	brown	0 - 20	15	B	3	rocky	
PGL008 02+00N	grey	brown	0 - 20	25	B	4	rocky	
PGL008 02+50N	light	brown	30 - 40	25	B	3		
PGL008 03+00N	red	brown	30 - 40	25	B	4	rocky	
PGL008 03+50N	brown		0 - 20	25	B	2	Organic	
PGL008 04+00N	black		0 - 20	25	A	1		
PGL008 04+50N	black		0 - 20	25	A	1	rocky	
PGL008 05+00N	black		0 - 20	25	B	2	beside creek	
PGL008 05+50N	red		0 - 20	35	B	2	gravel	
PGL008 06+00N	red		0 - 20	25	B	2	gravel	
PGL008 06+50N	black		0 - 20	35	B	4		
PGL008 07+00N	dark	brown	0 - 20	25	B	3		
PGL008 07+50N	dark	brown	0 - 20	25	B	4		
PGL008 08+00N	light	brown	0 - 20	25	B	4	End of line	
PGL009 00+00	light	brown	0 - 20	35	B	4		
PGL009 00+50S	light	brown	0 - 20	25	B	5		
PGL009 01+00S	brown		0 - 20	25	B	4		
PGL009 01+50S	brown		0 - 20	25	B	4		
PGL009 02+00S	brown	grey	0 - 20	25	B	3		
PGL009 02+50S	brown		0 - 20	15	B	4		
PGL009 03+00S	brown		0 - 20	25	B	3		
PGL009 03+50S	brown		0 - 20	35	B	3		
PGL009 04+00S	brom		0 - 20	25	B	4		
PGL009 04+50S	brown		20 - 30	25	B	3		
PGL009 05+00S	brown		0 - 20	35	B	4		
PGL009 05+50S	brown		0 - 20	25	B	4		
PGL009 06+00S	brown		20 - 30	25	B	3		
PGL009 06+50S	brown		0 - 20	25	B	2		
PGL009 07+00S	light	brown	0 - 20	25	B	2	organic	

Number	ID	UTM E	UTM N	mineralization	alteration	cleavage	bedding	lineation	fault	fault downside direction	fold plunge (dip + direction)					
1	6323580	521990	6865320	py	oxidized											
2	6323581	522130	6865338	py	silicification											
3	6323582	522188	6865358	py	silicification											
4	6323583	522249	6865254	py	silicification											
5	6323584	522340	6865050	py	silicification											
6	6323585	522406	6865033	py	silicification											
7	6323586	522633	6864927	py		308/72	90/42	145/44								
8	6323587	522306	6864982	py	silicification											
9	6323588	522346	6864982	py	silicification											
10	6323589	522388	6864961	py	silicification	230/78	338/22		170/85 sinistral			down side dip range 68-85 degrees; sinistral flts				
11	6323590	522382	6864958				65/12									
12	6323591	522380	6864945				22/38		128/68 sinistral							
13	6323592	522450	6865051				82/56				19 east					
14	6323593	521567	6865221				122/28				25 to south east					
15	6323594	521560	6865215			195/90	292/15				5 to north west					
16	6323595	521622	6865173			132/68	92/23				18 east					
17	6323596	521641	6865062				95/18									
18	6323597	521628	6864986			340/68	202/68									
19	6323598	521739	6864842			224/46	98/52									
20	6323599	521969	6865132	py	silicification											
21	6323600	522010	6865144	py apy	silicification											
22	6323601	521995	6865263				160/48									
23	6323602	521980	6865240	py	oxidized											
24	6323603	521384	6862932	py		010/60										
25	6323604	521378	6862950						348/58 sinistral							
26	6323605	521448	6863022			020/80										
27	6323606	521468	6863170			000/52										
28	6323607	521479	6863263			190/80	020/26									
29	6323608	521722	6863394	py					020/68 right side down	right down						
30	6323609	521735	6863384				130/24									
31	6323610	521757	6863396			120/62	50/08					down side dip range 65-85 degrees; sinistral flts				
32	6323611	521769	6863390						5/85 right side down	right down						
33	6323612	521786	6863392	py					18/85 dextral							
34	6323613	521795	6863384			204/58	004/45		152/76 sinistral							
35	6323614	521812	6863359						82/65 right side down	right down						
36	6323615	523065	6864803								anticline hinge					
37	6323616	521863	6863352			38/62	102/16		356/72							
38	6323617	521894	6863342		oxidized											
39	6323618	521892	6863279		oxidized		210/22									
40	6323619	521730	6863151						182/90 sinistral							
41	6323620	523489	6864201				72/22									
42	6323621	523477	6864154		carbonate		000/12									
43	6323622	523092	6864248			20/80	140/28									
44	6323623	523051	6864307			190/24										
45	6323624	523072	6864388	py	carbonate	150/21										
46	6323625	522865	6864182	py	carbonate											
47	6323626	522860	6864153				32/18									
48	6323627	522734	6864078								52 east					
49	6323628	522626	6863987			200/90	298/38									
50	6323629	522649	6863971			214/80	321/44									
51	6323630	522518	6863935			212/74										
52	6323631	522492	6863966				315/28									
53	6323632	522291	6863856	py												
54	6323633	522204	6863882	py												
55	6323634	522167	6863888			60/22										
56	6323635	522108	6863981				58/11		28/32 dextral							
57	6323636	522060	6863903		oxidized				005/36 dextral							
58	6323637	522080	6863895				355/50									
59	6323638	522422	6863715						55 deg dextral							
60	6323639	522445	6863639		carbonate											
61	6323640	522449	6863611			18/61	355/18									
62	6323641	522397	6863373			342/90	005/46				fold hinge					
63	6323642	522154	6863203			125/33	20/48									
64	6323643	523559	6864221		carbonate	112/48										
65	6323644	523556	6864236				180/08				18 west					
66	6323645	523635	6864337			190/20										
67	6323646	523658	6864328			20/69										
68	6323647	523666	6864356			254/74	320/29									
69	6323648	523679	6864370				335/52									
70	6323649	523702	6864395	py apy gal												
71	6323650	523574	6864552			140/44										
72	6323651	523564	6864644			145/72										
73	6323652	523576	6864657	py apy												
74	6323653	523596	6864663	py apy												
75	6323654	523595	6864661	py apy	silicification											
76	6323655	523609	6864662						154/46 dextral							
77	6323656	523574	6864757		carbonate											
78	6323657	523560	6864790			060/75	96/24									
79	6323658	523378	6864759			294/75	85/22				35 south east					
80	6323659	523361	6864767				240/20									
81	6323660	522102	6864146			315/85	38/80									
82	6323661	522038	6864220				000/45									
83	6323662	522052	6864222			328/68	010/45									
84	6323663	522030	6864255								10 south west					
85	6323664	521846	6864589			230/80	000/45									
86	6323665	521824	6864823				040/80									
87	6323666	521864	6864866			272/005										
88	6323667	521906	6864938				352/90				18 north					
89	6323668	522084	6863062	py apy												
90	6323669	522014	6862988			020/75										
91	6323670	523456	6864039			190/18										
92	6323671	523468	6863863			260/18	170/42									
93	6323672	523531	6866377	py apy		100/18										
94	6323673	523526	6863782	py cpy mal												
95	6323674	523574	6863649				190/22									
96	6323675	523737	6863305						340/49 sinistral							
97	6323676	523701	6863081			272/35	250/28									
98	6323677	523793	6862944						320/52 sinistral							
99	6323678	524034	6862379	py apy												
100	6323679	524085	6862164			240/32										
101	6323680	524481	6861741				270/52									
102	6323681	524520	6860740	py												
103	6323682	527291	6859753								fold hinge					
104	6323683	527354	6859890		carbonate											

Appendix C: Sample Analytical Certificates

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **Precipitate Gold Corp.**
860 - 789 West Pender St.
Vancouver BC V6C 1H2 Canada

Submitted By: Michael Moore
Receiving Lab: Canada-Whitehorse
Received: August 16, 2012
Report Date: August 31, 2012
Page: 1 of 3

CERTIFICATE OF ANALYSIS WHI12000698.1

CLIENT JOB INFORMATION

Project: Reef
Shipment ID: REEF1
P.O. Number
Number of Samples: 57

SAMPLE DISPOSAL

RTRN-PLP Return
DISP-RJT Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	57	Crush, split and pulverize 250 g rock to 200 mesh			WHI
1F02	57	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
G601	57	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Precipitate Gold Corp.
860 - 789 West Pender St.
Vancouver BC V6C 1H2
Canada

CC: Jodie Gibson
Katie Lucas

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Precipitate Gold Corp.**
860 - 789 West Pender St.
Vancouver BC V6C 1H2 Canada

Project: Reef
Report Date: August 31, 2012

CERTIFICATE OF ANALYSIS WHI12000698.1

	Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
148937	Rock	2.15	0.12	2.20	8.81	1.6	44	1.3	0.4	24	0.68	60.0	0.5	2.5	3.5	17.9	<0.01	0.38	<0.02	<2	<0.01
148938	Rock	1.78	0.15	11.07	5.54	36.6	20	8.6	2.7	353	1.96	107.8	1.2	8.5	5.6	1.8	0.02	0.22	0.03	6	0.03
148939	Rock	1.47	0.48	41.54	45.63	50.6	201	17.2	5.6	183	5.06	74.4	0.7	6.9	8.0	7.6	<0.01	1.00	0.41	13	0.02
148940	Rock	1.96	0.16	3.99	4.22	16.8	13	4.7	1.6	129	0.93	18.7	0.2	0.7	2.9	2.9	<0.01	0.09	<0.02	3	0.03
148941	Rock	1.18	0.17	6.02	14.68	49.3	44	9.5	4.1	247	2.98	3.3	0.3	<0.2	5.5	2.8	<0.01	0.15	0.03	11	<0.01
148942	Rock	1.92	0.13	5.91	11.02	36.1	35	8.5	2.6	183	2.20	5.3	0.4	2.2	6.2	1.6	<0.01	0.22	<0.02	7	0.02
148943	Rock	2.47	0.55	14.69	16.36	50.2	81	8.6	5.4	247	4.24	13.5	0.7	<0.2	6.8	5.6	<0.01	0.44	0.31	15	<0.01
148944	Rock	1.96	0.25	4.34	18.01	5.9	152	2.1	0.5	44	0.79	56.2	0.5	3.7	3.8	3.1	<0.01	1.22	0.06	2	0.04
148945	Rock	2.31	0.25	11.54	19.53	27.1	95	8.8	2.6	98	1.78	13.0	0.4	3.0	3.4	2.0	0.04	0.32	0.08	4	0.01
148946	Rock	2.48	0.12	1.55	5.51	2.2	331	1.5	0.3	31	0.54	9.3	0.1	14.6	1.4	1.4	<0.01	4.21	<0.02	<2	<0.01
148947	Rock	1.79	0.13	2.79	9.03	3.2	207	3.0	0.8	27	0.64	9.7	0.8	11.2	2.8	1.8	<0.01	3.05	<0.02	<2	<0.01
148948	Rock	1.62	0.12	2.00	10.07	2.8	243	1.1	0.4	31	0.51	12.5	0.2	435.2	1.9	3.2	<0.01	2.19	<0.02	2	<0.01
148949	Rock	2.22	0.13	1.97	6.98	0.9	1449	1.5	0.2	25	1.04	63.0	<0.1	173.0	0.5	1.5	<0.01	9.14	<0.02	<2	<0.01
148950	Rock	2.55	0.15	3.02	6.49	0.9	310	2.5	0.3	38	1.18	70.5	<0.1	89.1	0.4	1.5	<0.01	5.83	<0.02	<2	0.01
148951	Rock	2.63	0.17	3.15	17.63	1.4	1985	4.6	1.2	22	1.82	146.4	0.1	243.0	1.2	1.6	<0.01	25.03	0.16	2	<0.01
148952	Rock	1.50	0.14	5.78	12.93	12.5	66	3.8	1.5	241	0.92	9.1	0.6	2.2	3.7	1.4	<0.01	0.18	0.03	2	<0.01
148953	Rock	1.72	0.31	3.86	24.81	3.9	358	1.8	0.5	30	0.70	27.0	0.3	13.2	2.4	1.6	<0.01	3.42	0.11	<2	<0.01
148954	Rock	2.01	0.26	3.18	8.30	4.0	183	1.0	0.3	25	0.41	10.5	0.4	10.2	1.7	2.3	<0.01	2.40	<0.02	<2	<0.01
148955	Rock	1.55	0.12	1.76	6.74	1.9	550	1.5	0.5	32	0.79	27.6	0.1	41.9	1.5	1.0	<0.01	5.28	<0.02	<2	<0.01
148956	Rock	2.28	0.39	3.29	4.83	2.6	505	2.0	0.5	36	1.06	23.1	0.2	72.7	1.6	1.7	<0.01	8.16	<0.02	<2	<0.01
148957	Rock	1.87	0.35	7.68	7.87	6.6	223	3.7	0.9	43	1.30	1744	0.6	40.9	5.3	2.8	<0.01	3.74	<0.02	2	0.01
148958	Rock	2.23	0.15	4.40	10.88	1.6	189	2.1	1.3	38	0.89	499.5	0.5	22.9	2.5	7.9	<0.01	4.22	<0.02	<2	0.22
148959	Rock	2.87	0.20	5.00	7.01	16.3	179	4.8	1.0	73	1.21	55.8	0.3	11.5	2.8	1.7	<0.01	1.82	<0.02	4	0.01
148960	Rock	2.30	0.28	5.46	5.97	2.1	925	7.3	2.0	33	2.27	14.9	0.5	35.0	2.8	1.3	<0.01	9.43	<0.02	2	<0.01
148961	Rock	2.92	0.42	5.58	7.60	11.0	240	3.2	1.0	47	1.25	7.0	0.3	9.6	3.4	1.9	<0.01	3.49	<0.02	3	<0.01
148962	Rock	2.08	0.16	13.66	2.85	24.1	25	3.9	1.5	137	1.79	1.0	0.6	0.9	8.0	2.9	<0.01	0.57	<0.02	4	0.01
498163	Rock	1.94	0.09	2.93	53.73	3.0	325	0.8	0.3	31	0.42	339.0	0.2	122.9	2.3	22.4	0.08	1.36	<0.02	<2	0.01
498164	Rock	2.31	0.54	4.72	8.89	8.3	465	2.6	1.6	61	1.85	233.5	0.6	48.6	3.1	5.2	0.02	9.22	<0.02	<2	0.02
498165	Rock	2.15	2.95	8.51	59.52	16.5	2399	4.0	2.4	81	2.06	144.4	0.8	252.5	6.8	49.9	0.02	47.40	0.05	2	0.02
498166	Rock	2.02	0.17	2.09	10.68	2.2	151	0.8	0.4	25	0.67	164.1	0.3	60.5	3.0	5.7	<0.01	2.37	<0.02	<2	<0.01

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.

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Precipitate Gold Corp.**
860 - 789 West Pender St.
Vancouver BC V6C 1H2 Canada

Project: Reef
Report Date: August 31, 2012

CERTIFICATE OF ANALYSIS WHI12000698.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	G6
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Au
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.005
148937	Rock	0.042	4.4	15.6	<0.01	19.6	<0.001	1	0.20	0.003	0.06	<0.1	0.4	0.25	0.13	14	0.1	<0.02	0.5	<0.005
148938	Rock	0.006	8.8	23.6	0.32	8.6	<0.001	<1	0.79	0.028	0.02	<0.1	1.2	0.02	0.04	15	0.2	<0.02	2.3	0.011
148939	Rock	0.022	14.9	21.0	0.64	40.9	<0.001	1	1.75	0.019	0.24	<0.1	1.6	0.06	0.48	<5	0.5	0.06	5.2	0.017
148940	Rock	0.003	7.5	21.3	0.16	10.5	<0.001	<1	0.41	0.009	0.04	<0.1	0.5	<0.02	<0.02	<5	<0.1	<0.02	1.4	<0.005
148941	Rock	0.012	16.5	20.8	0.61	14.7	0.001	<1	1.54	0.008	0.07	<0.1	1.4	0.03	<0.02	<5	<0.1	<0.02	4.6	<0.005
148942	Rock	0.009	8.6	15.5	0.39	11.2	<0.001	<1	1.09	0.003	0.04	<0.1	1.2	<0.02	0.13	<5	<0.1	<0.02	3.1	<0.005
148943	Rock	0.015	19.8	24.8	0.72	48.3	0.001	2	2.01	0.018	0.26	0.1	1.8	0.09	0.30	13	0.1	0.04	5.8	<0.005
148944	Rock	0.027	7.0	18.9	0.06	15.6	<0.001	<1	0.29	0.003	0.06	0.1	0.3	0.03	0.11	6	0.3	<0.02	0.9	0.006
148945	Rock	0.008	5.2	18.7	0.29	12.1	<0.001	<1	0.73	0.004	0.07	<0.1	0.8	0.04	0.40	<5	<0.1	<0.02	2.4	0.006
148946	Rock	0.005	8.6	14.7	0.01	11.9	<0.001	<1	0.25	0.003	0.06	<0.1	0.2	0.12	0.10	9	0.3	<0.02	0.6	0.017
148947	Rock	0.010	6.3	18.5	<0.01	11.4	<0.001	<1	0.23	0.003	0.05	<0.1	0.3	0.21	0.25	30	0.1	<0.02	0.7	0.013
148948	Rock	0.003	12.5	12.7	<0.01	21.0	<0.001	2	0.34	0.003	0.09	0.1	0.3	0.24	0.11	51	0.2	<0.02	1.1	0.011
148949	Rock	0.002	2.6	29.3	<0.01	7.9	<0.001	<1	0.08	0.002	0.04	<0.1	0.2	0.18	0.42	31	0.7	<0.02	0.2	0.182
148950	Rock	0.002	2.1	19.6	<0.01	9.6	<0.001	<1	0.20	0.001	0.04	<0.1	0.2	0.17	0.76	14	0.2	<0.02	0.5	0.080
148951	Rock	0.003	4.8	9.9	<0.01	15.6	<0.001	1	0.37	0.004	0.09	0.1	0.4	0.31	1.60	22	4.2	<0.02	0.9	0.274
148952	Rock	0.008	9.4	16.1	0.08	9.8	<0.001	2	0.40	0.003	0.05	0.1	0.5	0.07	0.04	13	<0.1	<0.02	1.4	0.011
148953	Rock	0.006	6.1	16.2	<0.01	5.3	<0.001	2	0.23	<0.001	0.02	<0.1	0.3	0.15	0.17	15	0.2	<0.02	0.5	0.020
148954	Rock	0.004	12.1	11.3	<0.01	13.8	<0.001	2	0.26	0.004	0.06	<0.1	0.2	0.12	<0.02	52	0.2	<0.02	0.8	0.013
148955	Rock	0.002	7.6	18.0	<0.01	12.5	<0.001	<1	0.21	0.002	0.04	<0.1	0.2	0.14	0.35	<5	0.3	<0.02	0.4	0.031
148956	Rock	0.002	8.0	14.2	<0.01	12.9	<0.001	<1	0.30	0.005	0.08	<0.1	0.4	0.17	0.35	23	0.6	<0.02	0.8	0.049
148957	Rock	0.013	9.2	12.4	0.06	16.9	<0.001	2	0.42	0.006	0.10	0.1	0.5	0.15	0.24	8	0.3	0.16	1.3	0.034
148958	Rock	0.122	5.2	17.2	<0.01	10.8	<0.001	<1	0.28	0.004	0.06	<0.1	0.2	0.29	0.41	9	0.3	0.03	0.7	0.018
148959	Rock	0.007	6.2	15.0	0.13	10.6	<0.001	<1	0.48	0.004	0.06	<0.1	0.5	0.37	0.12	11	0.2	<0.02	1.5	0.011
148960	Rock	0.004	4.5	14.6	<0.01	9.9	<0.001	<1	0.24	0.002	0.05	<0.1	0.4	1.07	2.24	119	0.4	<0.02	0.8	0.037
148961	Rock	0.008	7.9	12.1	0.07	16.1	<0.001	<1	0.44	0.005	0.11	<0.1	0.5	0.19	0.33	11	0.5	<0.02	1.6	0.012
148962	Rock	0.013	9.8	12.4	0.13	17.9	<0.001	<1	0.49	0.012	0.07	0.2	1.2	0.05	0.06	<5	0.1	<0.02	1.2	0.007
498163	Rock	0.005	9.1	11.8	<0.01	17.7	<0.001	<1	0.18	0.003	0.06	<0.1	0.3	0.27	0.02	50	0.1	<0.02	0.6	0.097
498164	Rock	0.019	7.6	19.9	<0.01	14.4	<0.001	<1	0.17	0.002	0.05	<0.1	0.3	0.36	<0.02	269	0.1	<0.02	0.6	0.041
498165	Rock	0.033	8.8	14.6	0.02	70.9	<0.001	<1	0.25	0.003	0.06	0.5	0.4	2.50	0.04	418	0.7	0.03	1.2	0.217
498166	Rock	0.008	11.3	15.9	<0.01	13.6	<0.001	<1	0.16	0.003	0.06	<0.1	0.3	0.28	<0.02	97	<0.1	<0.02	0.6	0.068

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Client: **Precipitate Gold Corp.**
860 - 789 West Pender St.
Vancouver BC V6C 1H2 Canada

Project: Reef
Report Date: August 31, 2012

CERTIFICATE OF ANALYSIS WHI12000698.1

	Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
498167	Rock	1.38	0.14	2.14	12.77	2.1	112	1.3	0.3	27	0.83	158.1	0.3	7.1	2.3	9.0	<0.01	3.23	<0.02	2	<0.01
498168	Rock	2.24	0.21	15.87	2380	3368	2986	4.0	5.8	36	1.67	>10000	0.6	602.6	3.4	29.5	33.11	11.72	1.77	<2	0.03
498169	Rock	1.76	0.01	18.62	7.82	55.7	61	68.0	22.3	686	3.81	74.9	0.5	4.6	4.0	69.7	<0.01	0.18	0.25	72	2.59
498170	Rock	2.12	0.14	2.64	51.96	16.8	61	6.0	2.2	271	1.01	15.5	0.3	2.2	3.1	4.9	0.05	0.12	0.12	2	0.14
498171	Rock	1.66	0.18	14.50	6.31	49.5	19	71.8	25.2	725	3.94	1.1	0.5	1.0	5.5	100.9	0.09	0.07	<0.02	100	3.39
498172	Rock	1.73	0.17	80.13	1246	134.1	9213	5.2	1.1	76	0.77	209.0	0.6	44.0	3.2	1.7	0.25	0.93	10.24	<2	0.04
498173	Rock	2.08	0.12	11.71	116.2	62.9	145	21.4	12.0	1148	3.58	7.7	0.6	1.6	8.9	3.2	0.03	0.27	0.29	7	0.20
498174	Rock	2.41	0.23	7.82	11.52	28.9	105	9.9	5.8	868	1.75	1141	0.3	122.0	5.2	3.4	0.06	0.83	0.07	<2	0.01
498175	Rock	2.39	0.10	2.57	4.43	61.3	13	27.0	6.4	241	3.91	6.1	0.3	<0.2	0.7	4.0	0.03	0.05	<0.02	10	0.13
498176	Rock	1.86	0.18	5.52	25.63	0.7	146	1.4	0.6	26	0.94	7416	0.1	64.1	2.1	1.6	<0.01	2.98	0.20	<2	<0.01
498177	Rock	2.21	0.19	1.40	12.77	0.4	270	0.6	0.2	23	0.30	91.1	<0.1	100.8	1.4	2.6	<0.01	1.41	0.08	<2	<0.01
498178	Rock	1.85	0.16	5.88	8.19	5.5	47	6.4	3.2	679	0.90	25.5	0.5	3.7	6.4	190.1	0.03	0.31	0.05	<2	5.51
498179	Rock	2.35	0.18	186.0	93.34	34.6	1639	4.5	1.9	44	3.71	9751	0.2	1437	2.4	<0.5	0.10	3.87	1.17	<2	<0.01
498180	Rock	1.43	0.24	3.09	21.08	10.7	231	8.3	4.5	210	1.70	>10000	0.5	147.5	3.6	20.7	0.05	2.64	0.79	<2	0.04
498181	Rock	1.78	0.09	442.8	4.70	55.3	1652	16.4	3.7	522	2.87	31.2	0.2	2.3	3.7	5.1	0.04	0.06	<0.02	9	0.12
498182	Rock	1.52	0.21	24.22	5.19	19.7	218	5.3	2.1	84	1.72	320.2	0.7	99.0	3.8	3.2	0.01	3.83	<0.02	<2	<0.01
498183	Rock	2.19	0.17	32.35	6.80	9.5	139	9.0	3.8	454	1.51	103.7	0.3	35.5	3.2	7.6	<0.01	1.61	0.10	<2	1.27
498184	Rock	2.00	0.11	17.20	6.37	12.1	29	7.0	3.4	107	1.32	7.2	0.4	2.8	7.5	29.5	0.02	0.35	<0.02	<2	0.56
498185	Rock	1.99	0.14	2656	1.76	25.8	2775	5.8	2.1	107	1.43	29.9	0.4	17.6	4.5	5.1	0.08	0.18	0.03	<2	0.09
498186	Rock	2.02	0.10	4.30	0.56	46.9	24	20.6	5.6	289	3.30	2.3	0.2	0.9	1.2	3.0	<0.01	0.03	<0.02	7	0.06
753944	Rock	2.29	0.19	8.21	22.47	7.4	584	2.4	0.9	35	0.84	95.4	0.5	28.6	3.8	1.3	0.02	5.24	0.19	<2	0.01
753945	Rock	1.50	0.49	7.35	20.36	4.4	1507	6.5	1.5	26	2.76	147.9	1.2	98.0	4.7	12.1	0.02	11.31	0.16	4	0.28
753946	Rock	1.54	0.25	4.50	12.24	4.6	148	3.1	1.0	48	0.90	9.2	0.4	6.2	4.4	2.0	<0.01	2.11	0.06	<2	<0.01
753947	Rock	2.02	0.06	3.23	5.55	16.3	20	6.3	2.5	777	2.66	5.9	0.2	<0.2	3.8	52.4	0.04	0.20	<0.02	6	5.44
753948	Rock	2.12	0.30	6.37	6.32	1.2	398	2.5	1.3	40	0.66	2078	0.7	363.1	2.8	11.1	0.03	3.64	0.07	<2	0.01
753949	Rock	1.97	0.26	4.59	8.62	3.2	177	0.9	0.4	32	0.78	48.4	0.4	23.3	3.1	8.0	<0.01	2.37	<0.02	<2	0.01
753950	Rock	1.48	0.18	5.88	4.93	6.4	325	2.3	0.9	48	1.18	196.8	0.7	42.3	3.7	4.5	0.05	4.73	<0.02	3	<0.01

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Project: Reef
Report Date: August 31, 2012

CERTIFICATE OF ANALYSIS WHI12000698.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	G6
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Au
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.005
498167	Rock	0.015	10.9	14.0	<0.01	24.9	<0.001	<1	0.26	0.003	0.10	<0.1	0.3	0.25	<0.02	74	0.2	<0.02	0.9	0.015
498168	Rock	0.008	3.4	19.2	<0.01	6.7	<0.001	7	0.14	0.002	0.02	<0.1	0.3	0.42	1.03	140	1.8	0.28	0.4	0.586
498169	Rock	0.039	9.4	230.3	3.36	36.3	0.002	<1	2.92	0.048	0.13	<0.1	10.5	0.03	0.08	26	<0.1	<0.02	7.4	0.010
498170	Rock	0.013	4.3	6.9	0.10	9.9	<0.001	<1	0.28	0.007	0.02	<0.1	0.5	<0.02	<0.02	<5	0.1	0.05	0.7	0.013
498171	Rock	0.036	12.0	278.4	3.74	41.5	0.004	<1	3.44	0.035	0.07	<0.1	10.4	<0.02	0.06	15	<0.1	0.02	9.6	0.006
498172	Rock	0.011	10.0	8.9	0.08	11.8	<0.001	4	0.32	0.003	0.06	<0.1	0.7	<0.02	0.05	58	2.7	0.87	0.9	0.043
498173	Rock	0.010	8.7	11.8	0.63	17.0	0.002	<1	1.50	0.001	0.02	<0.1	1.9	<0.02	0.06	<5	<0.1	0.04	4.6	0.011
498174	Rock	0.009	8.0	5.4	0.14	6.1	<0.001	<1	0.39	0.003	0.04	<0.1	0.7	<0.02	0.06	<5	0.1	<0.02	0.7	0.127
498175	Rock	0.024	1.3	7.5	0.77	10.6	0.003	2	1.62	<0.001	0.03	<0.1	1.3	<0.02	<0.02	9	0.2	0.02	4.5	<0.005
498176	Rock	0.008	3.6	5.5	<0.01	10.7	<0.001	<1	0.14	0.002	0.04	<0.1	0.5	0.14	0.36	13	0.6	0.49	0.4	0.069
498177	Rock	0.002	6.4	6.7	<0.01	10.2	<0.001	2	0.17	0.003	0.05	<0.1	0.2	0.17	<0.02	<5	<0.1	0.07	0.6	0.083
498178	Rock	0.010	6.9	2.6	0.07	18.1	<0.001	<1	0.25	0.005	0.07	<0.1	1.0	<0.02	0.14	24	<0.1	<0.02	0.5	0.007
498179	Rock	0.008	3.7	5.3	<0.01	3.1	<0.001	13	0.11	0.002	0.02	<0.1	0.3	<0.02	1.58	8	1.3	1.62	0.3	0.374
498180	Rock	0.006	8.1	7.6	0.06	59.1	<0.001	4	0.27	0.004	0.09	<0.1	0.8	0.02	0.42	8	0.9	0.69	0.7	0.142
498181	Rock	0.018	8.2	11.1	0.61	12.7	0.002	2	1.33	0.004	0.04	<0.1	2.0	<0.02	0.05	<5	<0.1	<0.02	4.1	0.007
498182	Rock	0.008	5.8	5.4	<0.01	7.3	<0.001	<1	0.30	0.001	0.04	<0.1	0.9	0.04	<0.02	17	0.4	<0.02	0.9	0.106
498183	Rock	0.010	7.6	4.4	0.03	23.0	<0.001	1	0.19	0.002	0.12	<0.1	1.4	0.06	0.07	<5	0.6	0.06	0.6	0.039
498184	Rock	0.013	10.1	5.2	0.09	42.3	<0.001	<1	0.42	0.018	0.09	<0.1	0.8	0.04	0.09	7	<0.1	0.02	0.8	0.006
498185	Rock	0.008	5.5	5.0	0.13	14.8	<0.001	<1	0.40	0.009	0.07	<0.1	0.4	0.02	0.24	<5	0.7	0.03	1.0	0.024
498186	Rock	0.010	1.6	6.2	0.59	4.7	0.002	<1	1.37	0.002	0.02	<0.1	1.3	<0.02	<0.02	<5	<0.1	<0.02	4.6	<0.005
753944	Rock	0.007	6.8	4.8	0.01	10.6	<0.001	<1	0.26	0.004	0.06	<0.1	0.3	0.24	0.56	6	0.4	0.02	0.7	0.036
753945	Rock	0.139	5.8	6.7	0.01	23.0	<0.001	<1	0.43	0.013	0.16	0.2	1.1	0.47	2.70	16	2.0	0.03	1.3	0.142
753946	Rock	0.005	8.8	7.8	0.04	12.3	<0.001	3	0.34	0.003	0.06	<0.1	0.6	0.17	0.41	13	0.5	0.02	1.1	0.008
753947	Rock	0.008	7.0	6.0	0.90	19.8	<0.001	<1	0.16	0.002	0.04	<0.1	1.3	<0.02	<0.02	9	0.1	0.04	0.5	<0.005
753948	Rock	0.006	4.8	10.9	<0.01	8.9	<0.001	<1	0.18	0.001	0.03	0.1	0.5	0.60	0.21	74	0.5	0.04	0.5	0.590
753949	Rock	0.011	11.1	4.8	<0.01	14.6	<0.001	<1	0.21	0.002	0.06	<0.1	0.4	0.58	<0.02	139	0.4	<0.02	0.7	0.027
753950	Rock	0.020	13.0	5.5	<0.01	18.2	<0.001	<1	0.30	0.004	0.09	<0.1	0.7	0.35	<0.02	210	0.3	<0.02	0.9	0.040

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Client: **Precipitate Gold Corp.**
860 - 789 West Pender St.
Vancouver BC V6C 1H2 Canada

Project: Reef
Report Date: August 31, 2012

QUALITY CONTROL REPORT WHI12000698.1

		Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
Pulp Duplicates																						
REP G1	QC																					
REP G1	QC			0.06	2.56	2.82	46.8	5	2.2	4.0	565	1.91	12.1	1.3	1.4	4.2	62.3	0.03	<0.02	<0.02	35	0.49
148941	Rock		1.18	0.17	6.02	14.68	49.3	44	9.5	4.1	247	2.98	3.3	0.3	<0.2	5.5	2.8	<0.01	0.15	0.03	11	<0.01
REP 148941	QC			0.18	5.74	14.44	47.6	41	9.0	4.0	235	2.94	2.6	0.3	2.0	5.2	2.9	<0.01	0.18	0.03	11	0.01
498169	Rock		1.76	0.01	18.62	7.82	55.7	61	68.0	22.3	686	3.81	74.9	0.5	4.6	4.0	69.7	<0.01	0.18	0.25	72	2.59
REP 498169	QC																					
498171	Rock		1.66	0.18	14.50	6.31	49.5	19	71.8	25.2	725	3.94	1.1	0.5	1.0	5.5	100.9	0.09	0.07	<0.02	100	3.39
REP 498171	QC			0.18	14.94	6.18	47.8	17	70.8	26.0	731	3.97	1.0	0.5	<0.2	5.3	94.0	0.10	0.07	<0.02	101	3.42
498176	Rock		1.86	0.18	5.52	25.63	0.7	146	1.4	0.6	26	0.94	7416	0.1	64.1	2.1	1.6	<0.01	2.98	0.20	<2	<0.01
REP 498176	QC			0.18	5.87	26.34	0.4	155	1.1	0.7	27	0.94	7463	0.1	67.0	2.2	1.7	<0.01	3.00	0.19	<2	<0.01
Core Reject Duplicates																						
498165	Rock		2.15	2.95	8.51	59.52	16.5	2399	4.0	2.4	81	2.06	144.4	0.8	252.5	6.8	49.9	0.02	47.40	0.05	2	0.02
DUP 498165	QC			2.97	8.91	61.55	17.6	2564	4.4	2.4	86	2.15	157.3	0.8	289.2	7.8	51.3	0.03	53.23	0.08	2	0.02
Reference Materials																						
STD DS9	Standard			13.50	106.6	126.2	332.7	1855	41.4	7.3	584	2.39	27.9	2.8	134.4	5.7	72.8	2.32	5.70	5.49	39	0.72
STD DS9	Standard			13.78	112.7	113.8	316.1	1692	41.3	8.0	592	2.38	24.8	2.6	110.1	6.3	71.9	2.24	5.37	5.57	39	0.76
STD OXG99	Standard																					
STD OXG99	Standard																					
STD OXG99	Standard																					
STD OXK94	Standard																					
STD OXK94	Standard																					
STD DS9 Expected				12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OXK94 Expected																						
STD OXG99 Expected																						
BLK	Blank																					
BLK	Blank																					
BLK	Blank			<0.01	<0.01	<0.01	<0.1	5	0.1	<0.1	<1	<0.01	0.4	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank																					

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Vancouver BC V6C 1H2 Canada

Project: Reef
Report Date: August 31, 2012

QUALITY CONTROL REPORT WHI12000698.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	G6
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Au
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.005
Pulp Duplicates																				
REP G1	QC																			<0.005
REP G1	QC	0.073	11.9	10.2	0.51	167.8	0.099	1	0.93	0.098	0.49	<0.1	2.3	0.31	<0.02	<5	<0.1	<0.02	4.8	
148941	Rock	0.012	16.5	20.8	0.61	14.7	0.001	<1	1.54	0.008	0.07	<0.1	1.4	0.03	<0.02	<5	<0.1	<0.02	4.6	<0.005
REP 148941	QC	0.011	16.6	21.0	0.60	15.4	0.001	1	1.55	0.008	0.08	<0.1	1.6	0.03	<0.02	<5	0.2	<0.02	4.3	
498169	Rock	0.039	9.4	230.3	3.36	36.3	0.002	<1	2.92	0.048	0.13	<0.1	10.5	0.03	0.08	26	<0.1	<0.02	7.4	0.010
REP 498169	QC																			0.009
498171	Rock	0.036	12.0	278.4	3.74	41.5	0.004	<1	3.44	0.035	0.07	<0.1	10.4	<0.02	0.06	15	<0.1	0.02	9.6	0.006
REP 498171	QC	0.036	12.6	276.2	3.72	42.8	0.005	<1	3.40	0.036	0.07	<0.1	10.9	<0.02	0.06	<5	<0.1	0.02	9.2	
498176	Rock	0.008	3.6	5.5	<0.01	10.7	<0.001	<1	0.14	0.002	0.04	<0.1	0.5	0.14	0.36	13	0.6	0.49	0.4	0.069
REP 498176	QC	0.008	3.8	5.3	<0.01	10.3	<0.001	<1	0.15	0.002	0.04	<0.1	0.5	0.16	0.36	8	0.1	0.24	0.3	
Core Reject Duplicates																				
498165	Rock	0.033	8.8	14.6	0.02	70.9	<0.001	<1	0.25	0.003	0.06	0.5	0.4	2.50	0.04	418	0.7	0.03	1.2	0.217
DUP 498165	QC	0.032	8.9	14.1	0.02	74.0	<0.001	<1	0.25	0.004	0.07	0.6	0.5	2.53	0.04	495	0.8	<0.02	1.2	0.224
Reference Materials																				
STD DS9	Standard	0.088	13.7	120.8	0.63	315.6	0.111	3	1.00	0.088	0.41	3.1	2.8	5.69	0.16	218	5.7	5.29	5.1	
STD DS9	Standard	0.080	14.3	119.8	0.63	292.4	0.126	5	0.99	0.085	0.40	2.7	2.6	5.19	0.17	192	5.3	5.01	4.8	
STD OXG99	Standard																			0.952
STD OXG99	Standard																			0.942
STD OXG99	Standard																			0.943
STD OXK94	Standard																			3.688
STD OXK94	Standard																			3.676
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59	
STD OXK94 Expected																				3.562
STD OXG99 Expected																				0.932
BLK	Blank																			<0.005
BLK	Blank																			<0.005
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	6	<0.1	<0.02	<0.1	
BLK	Blank																			<0.005

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Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Precipitate Gold Corp.**
860 - 789 West Pender St.
Vancouver BC V6C 1H2 Canada

Project: Reef
Report Date: August 31, 2012

QUALITY CONTROL REPORT WHI12000698.1

		WGHT Wgt kg 0.01	1F15 Mo ppm 0.01	1F15 Cu ppm 0.01	1F15 Pb ppm 0.01	1F15 Zn ppm 0.1	1F15 Ag ppb 2	1F15 Ni ppm 0.1	1F15 Co ppm 0.1	1F15 Mn ppm 1	1F15 Fe % 0.01	1F15 As ppm 0.1	1F15 U ppm 0.1	1F15 Au ppb 0.2	1F15 Th ppm 0.1	1F15 Sr ppm 0.5	1F15 Cd ppm 0.01	1F15 Sb ppm 0.02	1F15 Bi ppm 0.02	1F15 V ppm 2	1F15 Ca % 0.01
BLK	Blank																				
BLK	Blank		<0.01	<0.01	<0.01	<0.1	5	<0.1	<0.1	<1	<0.01	0.4	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank		0.11	2.48	3.24	48.9	6	3.8	4.0	557	1.94	3.9	1.4	2.1	3.8	57.3	0.03	0.09	0.19	35	0.48
G1	Prep Blank																				
G1	Prep Blank																				
G1	Prep Blank		0.05	2.56	2.74	43.0	8	2.6	4.1	545	1.90	11.8	1.3	1.2	4.2	60.8	<0.01	<0.02	<0.02	35	0.47

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		1F15 P % 0.001	1F15 La ppm 0.5	1F15 Cr ppm 0.5	1F15 Mg % 0.01	1F15 Ba ppm 0.5	1F15 Ti % 0.001	1F15 B ppm 1	1F15 Al % 0.01	1F15 Na % 0.001	1F15 K % 0.01	1F15 W ppm 0.1	1F15 Sc ppm 0.1	1F15 Tl ppm 0.02	1F15 S % 0.02	1F15 Hg ppb 5	1F15 Se ppm 0.1	1F15 Te ppm 0.02	1F15 Ga ppm 0.1	G6 Au ppm 0.005
BLK	Blank																			<0.005
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	10	<0.1	<0.02	<0.1	
BLK	Blank																			<0.005
BLK	Blank																			<0.005
Prep Wash																				
G1	Prep Blank	0.074	10.2	11.5	0.55	170.9	0.101	2	0.92	0.082	0.48	<0.1	2.1	0.32	<0.02	<5	<0.1	<0.02	4.7	
G1	Prep Blank																			0.005
G1	Prep Blank																			<0.005
G1	Prep Blank	0.073	11.7	9.6	0.51	163.7	0.096	2	0.92	0.097	0.49	<0.1	2.0	0.32	<0.02	<5	<0.1	<0.02	4.9	

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Client: **Precipitate Gold Corp.**
860 - 789 West Pender St.
Vancouver BC V6C 1H2 Canada

Submitted By: Michael Moore
Receiving Lab: Canada-Whitehorse
Received: August 16, 2012
Report Date: August 30, 2012
Page: 1 of 4

CERTIFICATE OF ANALYSIS WHI12000697.1

CLIENT JOB INFORMATION

Project: Reef
Shipment ID: REEF2
P.O. Number
Number of Samples: 89

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	88	Dry at 60C			WHI
SS80	88	Dry at 60C sieve 100g to -80 mesh			WHI
1F01	88	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Precipitate Gold Corp.
860 - 789 West Pender St.
Vancouver BC V6C 1H2
Canada

CC: Jodie Gibson
Katie Lucas

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" 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: **Precipitate Gold Corp.**
860 - 789 West Pender St.
Vancouver BC V6C 1H2 Canada

Project: Reef
Report Date: August 30, 2012

CERTIFICATE OF ANALYSIS WHI12000697.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
CK13	Soil		1.58	14.08	19.79	40.3	29	36.5	18.1	753	4.24	65.1	0.4	4.8	2.1	10.4	0.10	0.22	0.46	52	0.12	0.055
CK14	Soil		0.79	8.30	9.40	61.9	32	35.2	9.3	706	3.41	12.3	0.4	1.1	1.3	3.6	0.02	0.11	0.34	17	0.04	0.060
CK15	Soil		1.26	69.46	48.05	56.5	92	28.7	28.0	858	3.24	91.2	4.6	8.2	2.3	17.0	0.03	0.31	0.44	12	0.19	0.072
CK16	Soil		0.62	48.56	54.11	37.4	200	11.6	21.4	3669	2.56	7.8	0.6	1.2	0.4	4.5	0.24	0.16	0.51	13	0.05	0.156
CK17	Soil		0.53	57.31	22.05	54.1	93	16.2	10.8	1262	3.17	3.6	0.6	0.2	0.7	6.0	0.27	0.15	0.61	13	0.13	0.128
CK18	Soil		1.14	152.9	83.98	93.6	172	50.8	28.0	1845	5.27	20.5	1.5	8.0	6.9	7.7	0.02	0.22	1.13	17	0.07	0.037
CK19	Soil		1.82	55.88	70.78	81.2	200	46.4	28.4	3977	5.87	110.2	1.0	32.3	4.4	5.2	0.18	0.52	0.36	24	0.04	0.065
CK22	Soil		0.56	38.58	21.02	44.3	40	35.8	18.5	1952	2.37	41.5	0.7	4.5	1.0	5.3	0.07	0.22	0.21	11	0.06	0.063
CK26	Soil		1.27	73.79	43.85	80.9	97	38.7	18.7	595	3.73	158.0	2.7	18.7	3.5	12.2	0.03	0.29	0.44	14	0.16	0.056
CK27	Soil		0.39	48.14	25.96	83.7	82	38.8	17.2	662	3.75	96.0	1.9	22.6	4.0	5.6	0.03	0.19	0.26	15	0.06	0.050
CK28	Soil		0.48	53.69	35.42	101.7	70	45.7	27.6	952	4.53	141.2	1.7	22.5	7.7	5.2	0.05	0.39	0.26	16	0.09	0.043
CK30	Soil		0.47	19.73	20.48	76.0	22	37.9	16.6	778	4.85	102.4	0.3	4.3	1.9	1.8	0.03	0.25	0.32	19	0.01	0.060
CK31	Soil		1.01	21.61	19.20	51.6	37	24.2	8.3	369	3.19	44.2	0.6	2.0	0.5	4.7	0.05	0.29	0.33	25	0.02	0.054
CK32	Soil		0.62	17.84	6.23	15.8	100	8.8	2.9	92	1.00	17.3	1.6	2.4	0.2	9.6	0.02	0.14	0.19	8	0.17	0.068
CK33	Soil		0.92	30.49	16.86	83.6	61	39.1	12.4	481	4.11	84.1	2.6	3.4	3.3	8.9	0.02	0.34	0.69	19	0.18	0.044
CK34	Soil		0.38	38.46	17.76	77.3	24	37.4	15.2	657	3.91	44.7	0.7	6.7	3.1	3.8	0.03	0.45	0.39	15	0.06	0.044
CK90	Soil		0.52	45.02	30.96	88.9	48	39.3	19.0	766	4.07	58.2	1.1	5.0	4.7	4.8	0.10	0.38	0.33	18	0.05	0.045
CK92	Soil		0.42	48.27	29.47	88.9	57	37.0	18.0	612	3.90	52.9	2.2	6.0	4.4	4.4	0.06	0.97	0.28	12	0.02	0.041
CK93	Soil		0.48	54.40	48.33	105.3	81	56.6	40.7	1076	4.86	69.8	1.7	11.4	8.1	4.8	0.05	0.45	0.19	23	0.08	0.053
CK102	Soil		0.58	23.27	21.85	62.0	122	25.0	9.9	293	3.96	337.4	1.2	44.7	4.2	5.3	0.08	0.61	0.20	16	0.01	0.063
CK103	Soil		0.46	10.99	21.89	17.6	182	6.6	1.9	58	1.37	98.0	0.5	17.8	0.4	5.8	0.03	0.23	0.19	11	<0.01	0.052
CK109	Soil		0.82	23.29	29.67	65.8	435	23.9	6.4	521	4.71	373.6	0.9	108.3	1.6	5.1	0.10	0.84	0.27	23	0.03	0.145
CK110	Soil		0.62	28.63	61.72	57.3	118	18.8	5.2	178	3.07	212.7	1.1	34.9	3.6	4.8	0.12	1.64	0.25	9	<0.01	0.038
CK111	Soil		0.52	18.24	26.94	23.9	123	8.7	3.3	81	1.79	158.2	0.5	124.4	1.4	3.8	0.04	0.52	0.23	17	<0.01	0.030
CK114	Soil		0.24	3.90	5.10	6.6	31	3.1	1.0	26	0.45	39.4	0.1	<0.2	<0.1	3.6	0.03	0.13	<0.02	6	0.02	0.025
CK117	Soil		0.63	23.63	17.62	52.0	229	17.5	6.9	261	4.29	78.4	0.8	2.3	1.2	4.1	0.04	0.27	0.22	22	0.01	0.083
CK118	Soil		0.77	32.57	32.43	43.6	101	13.5	5.1	305	3.84	33.3	0.7	0.6	3.8	4.6	0.04	0.27	0.35	33	0.01	0.161
CK121	Soil		0.83	34.05	1310	97.3	2573	25.2	7.3	326	5.25	2631	1.0	825.1	6.8	7.8	0.27	1.96	1.55	20	0.02	0.073
CK126	Soil																					
CK127	Soil																					

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Client: **Precipitate Gold Corp.**
860 - 789 West Pender St.
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Project: Reef
Report Date: August 30, 2012

CERTIFICATE OF ANALYSIS WHI12000697.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
CK13	Soil		10.6	60.8	0.94	42.5	0.004	<20	2.10	<0.001	0.02	<0.1	2.8	0.05	0.04	23	<0.1	<0.02	6.6
CK14	Soil		7.6	35.0	0.78	25.7	0.002	<20	1.84	<0.001	0.02	<0.1	1.0	0.03	0.04	<5	0.3	<0.02	5.9
CK15	Soil		6.6	21.6	0.58	50.0	0.002	<20	1.72	0.006	0.03	<0.1	1.3	0.06	0.06	18	0.1	0.02	4.7
CK16	Soil		4.6	14.7	0.35	84.6	0.003	<20	1.03	0.006	0.04	<0.1	0.7	0.06	0.15	115	0.1	0.08	4.4
CK17	Soil		4.3	17.3	0.31	30.7	0.003	<20	0.97	0.002	0.05	<0.1	0.7	0.03	0.11	138	0.3	0.03	4.2
CK18	Soil		14.2	23.6	0.83	16.9	0.001	<20	1.93	<0.001	0.03	<0.1	3.0	<0.02	<0.02	10	<0.1	0.30	4.6
CK19	Soil		13.5	23.6	0.50	31.5	0.005	<20	1.59	0.005	0.03	0.1	3.8	0.04	<0.02	25	0.2	0.04	4.2
CK22	Soil		7.7	13.6	0.46	21.9	0.008	<20	1.25	0.015	0.02	<0.1	1.2	<0.02	0.03	10	0.2	0.12	3.5
CK26	Soil		6.4	28.1	0.80	34.5	0.001	<20	2.00	0.004	0.03	<0.1	2.0	0.05	0.03	29	0.2	0.07	5.7
CK27	Soil		10.2	30.8	0.93	24.4	0.001	<20	2.16	0.001	0.02	<0.1	1.7	<0.02	<0.02	19	0.1	0.03	6.1
CK28	Soil		15.6	34.7	1.12	12.5	<0.001	<20	2.35	<0.001	0.02	<0.1	2.2	<0.02	<0.02	<5	<0.1	0.10	6.6
CK30	Soil		11.8	29.4	1.11	25.9	0.002	<20	2.41	<0.001	0.02	<0.1	1.0	0.04	0.02	5	<0.1	<0.02	6.3
CK31	Soil		17.5	27.9	0.57	32.1	0.008	<20	1.60	<0.001	0.03	0.1	0.9	0.10	0.02	6	<0.1	0.04	6.3
CK32	Soil		5.5	11.7	0.22	19.2	0.003	<20	0.90	0.015	0.03	0.1	0.3	0.03	0.05	21	0.1	<0.02	3.4
CK33	Soil		12.8	32.2	0.95	51.8	0.003	<20	2.22	<0.001	0.04	<0.1	1.4	0.02	0.02	9	<0.1	<0.02	6.3
CK34	Soil		11.9	28.6	0.93	30.9	0.002	<20	2.09	0.002	0.03	<0.1	1.4	0.04	0.02	24	<0.1	0.06	6.2
CK90	Soil		19.6	29.7	0.97	41.6	0.005	<20	2.16	<0.001	0.03	<0.1	1.6	0.03	<0.02	6	0.2	0.06	6.1
CK92	Soil		14.3	21.7	0.48	20.8	<0.001	<20	1.35	<0.001	0.02	<0.1	1.7	0.02	<0.02	<5	<0.1	<0.02	4.1
CK93	Soil		16.1	61.1	1.27	21.4	0.002	<20	2.66	<0.001	0.02	<0.1	2.9	0.03	<0.02	24	<0.1	0.06	7.5
CK102	Soil		19.3	21.4	0.42	27.6	0.007	<20	1.49	<0.001	0.02	0.3	1.2	0.06	<0.02	27	0.2	0.04	4.6
CK103	Soil		16.5	7.8	0.06	19.7	0.003	<20	0.53	0.003	0.02	<0.1	0.2	0.10	<0.02	19	<0.1	0.09	4.5
CK109	Soil		14.1	23.3	0.40	17.5	0.006	<20	1.22	<0.001	0.02	0.1	0.9	0.18	0.03	28	<0.1	0.11	5.6
CK110	Soil		29.0	13.2	0.28	24.3	0.003	<20	0.98	<0.001	0.02	0.2	1.2	0.06	<0.02	41	<0.1	0.09	2.9
CK111	Soil		24.8	10.9	0.08	22.9	0.007	<20	0.65	0.003	0.02	0.2	0.6	0.15	<0.02	17	0.2	<0.02	5.7
CK114	Soil		2.9	3.9	0.01	10.8	0.004	<20	0.10	0.015	0.02	<0.1	0.2	0.08	<0.02	5	<0.1	<0.02	1.1
CK117	Soil		19.1	22.8	0.33	26.2	0.009	<20	1.38	<0.001	0.02	0.2	0.8	0.06	0.02	21	0.2	0.05	6.0
CK118	Soil		23.6	17.2	0.22	33.3	0.017	<20	0.94	0.001	0.03	0.1	1.1	0.05	<0.02	35	<0.1	0.03	7.2
CK121	Soil		17.8	31.1	0.59	164.5	0.010	<20	1.66	<0.001	0.02	0.1	1.7	0.06	0.03	30	0.3	0.03	6.2
CK126	Soil																		
CK127	Soil																		

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Client: **Precipitate Gold Corp.**
860 - 789 West Pender St.
Vancouver BC V6C 1H2 Canada

Project: Reef
Report Date: August 30, 2012

CERTIFICATE OF ANALYSIS WHI12000697.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
CK128	Soil	0.15	2.82	2.49	3.2	92	1.5	0.4	10	0.38	1.3	0.3	1.4	<0.1	4.1	0.04	0.03	0.04	4	0.02	0.025
CK129	Soil	0.37	14.89	9.45	15.7	779	5.7	1.9	40	1.10	19.4	0.6	2.6	<0.1	4.3	0.10	0.24	0.15	11	<0.01	0.074
CK130	Soil	0.67	29.55	23.66	49.9	244	16.7	6.3	187	4.08	109.8	1.0	2.0	5.1	4.1	0.02	0.35	0.22	17	<0.01	0.105
CK131	Soil	0.50	21.05	16.43	44.8	81	16.9	6.3	172	2.43	91.0	0.7	6.0	0.3	3.4	0.08	0.27	0.12	11	0.01	0.050
CK132	Soil	0.71	31.30	31.25	57.7	151	22.0	7.9	253	3.95	162.3	1.0	16.1	3.9	5.0	0.03	0.42	0.24	16	0.01	0.060
CK136	Soil	0.57	17.90	33.96	52.5	412	12.9	5.6	350	1.98	92.3	0.5	10.5	0.1	3.5	0.07	0.81	0.21	11	<0.01	0.068
CK137	Soil	0.78	27.10	26.68	54.6	295	16.0	7.8	289	3.91	151.7	0.7	8.5	0.3	5.5	0.06	0.61	0.52	24	0.01	0.077
CK138	Soil	0.42	12.48	13.98	25.5	355	7.0	4.4	284	1.96	65.4	0.3	5.6	<0.1	3.7	0.04	0.31	0.28	16	<0.01	0.072
CK139	Soil	0.79	33.25	37.63	53.8	89	17.3	10.1	530	3.84	126.7	0.9	8.7	0.4	5.0	0.03	0.95	0.53	19	<0.01	0.134
CK140	Soil	0.86	24.01	23.13	51.5	265	10.8	9.6	1913	2.98	89.2	0.7	3.9	0.1	5.9	0.12	0.63	0.51	29	<0.01	0.107
CK141	Soil	0.49	25.40	18.81	45.7	274	17.7	8.3	768	2.60	88.7	0.7	11.4	0.3	3.2	0.04	1.08	0.34	12	<0.01	0.068
CK142	Soil	0.84	28.90	25.57	48.4	94	16.2	10.9	920	4.51	112.8	0.6	7.5	0.3	2.5	0.03	1.11	0.43	22	<0.01	0.101
CK143	Soil	0.24	9.13	10.02	16.2	105	4.4	3.7	370	0.77	122.3	0.3	7.3	<0.1	2.6	0.03	0.53	0.11	5	0.01	0.030
CK144	Soil	0.66	15.96	11.37	30.6	232	10.7	4.9	235	1.73	61.4	0.4	4.2	<0.1	3.0	0.02	0.99	0.18	15	<0.01	0.058
CK145	Soil	1.11	39.99	37.00	56.3	165	19.6	18.1	1827	7.17	39.3	1.1	2.6	0.7	4.3	0.17	0.91	0.51	23	0.02	0.134
CK146	Soil	1.04	33.19	36.02	62.8	187	22.8	14.7	2542	3.48	110.9	0.8	4.6	0.2	6.8	0.11	0.95	0.41	20	0.04	0.094
CK147	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
CK148	Soil	0.29	5.08	5.34	8.0	57	2.2	1.2	58	0.55	49.9	0.3	3.4	<0.1	5.0	0.05	0.15	0.16	9	0.02	0.041
CK153	Soil	0.86	28.52	23.58	52.0	516	21.3	9.0	685	4.14	41.6	0.6	0.5	0.3	4.0	0.10	0.83	0.35	18	<0.01	0.109
CK154	Soil	0.60	22.20	28.56	44.6	182	16.1	10.4	1773	5.04	32.5	0.7	2.2	0.2	3.3	0.17	0.78	0.31	29	0.02	0.182
CK155	Soil	0.35	7.05	4.16	7.1	206	2.9	1.5	258	0.97	4.3	0.3	0.6	<0.1	2.6	0.07	0.11	0.06	10	0.02	0.059
CK156	Soil	0.71	30.99	25.89	60.9	73	26.4	12.1	743	4.48	55.6	0.8	5.3	0.7	2.9	0.10	0.66	0.33	18	0.01	0.101
CK157	Soil	0.90	27.26	27.61	41.6	309	15.7	14.3	1966	5.05	40.9	0.8	2.2	0.5	3.5	0.11	0.62	0.36	24	0.01	0.164
CK158	Soil	0.02	0.96	2.41	2.9	48	1.0	0.3	61	0.11	0.7	<0.1	0.4	<0.1	3.7	0.04	<0.02	<0.02	3	0.02	0.033
CK159	Soil	0.28	12.14	7.18	10.7	59	4.3	2.2	216	1.51	8.6	0.4	1.1	<0.1	4.3	0.01	0.15	0.06	12	0.02	0.054
CK160	Soil	0.45	3.74	12.89	8.7	82	2.5	2.9	1191	0.46	4.8	0.2	0.5	<0.1	4.1	0.09	0.08	<0.02	7	0.03	0.068
CK161	Soil	0.26	3.44	3.90	12.1	225	3.3	1.2	78	0.87	5.3	0.2	<0.2	<0.1	2.3	0.05	0.08	<0.02	8	0.01	0.039
CK162	Soil	0.99	23.03	44.05	64.5	254	22.5	10.7	468	3.80	302.7	0.9	18.1	0.4	7.0	0.10	0.91	0.25	22	0.05	0.069
CK163	Soil	1.01	28.58	24.17	61.7	66	21.3	9.7	419	4.63	158.4	0.9	7.5	1.1	4.2	0.04	0.91	0.32	26	0.01	0.060
CK165	Soil	1.02	16.07	22.04	24.4	105	10.1	4.1	140	1.70	191.9	0.6	2.4	<0.1	10.1	0.04	0.60	0.19	25	<0.01	0.045

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Project: Reef
Report Date: August 30, 2012

CERTIFICATE OF ANALYSIS WHI12000697.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
CK128	Soil		1.1	3.1	0.01	14.2	0.007	<20	0.39	0.019	0.02	<0.1	0.1	<0.02	0.02	46	<0.1	<0.02	2.6
CK129	Soil		5.7	6.6	0.03	25.5	0.002	<20	0.51	0.009	0.02	0.1	0.2	0.02	0.03	38	<0.1	0.03	2.8
CK130	Soil		23.6	18.0	0.25	21.7	0.005	<20	1.03	<0.001	0.02	0.2	1.1	0.06	<0.02	15	0.2	0.03	5.2
CK131	Soil		13.2	12.8	0.26	23.1	0.005	<20	0.88	0.006	0.02	<0.1	0.5	0.05	<0.02	28	0.2	<0.02	4.5
CK132	Soil		19.3	17.9	0.33	18.5	0.007	<20	1.22	<0.001	0.02	0.1	1.0	0.18	<0.02	34	<0.1	0.10	4.4
CK136	Soil		6.2	9.6	0.13	16.7	0.002	<20	0.57	0.007	0.02	<0.1	0.3	0.03	0.03	20	0.3	0.06	3.6
CK137	Soil		9.0	16.5	0.22	28.3	0.005	<20	1.12	0.001	0.02	0.2	0.4	0.06	0.03	29	0.2	0.10	6.0
CK138	Soil		5.5	7.8	0.07	18.1	0.003	<20	0.43	0.006	0.02	<0.1	0.2	0.04	<0.02	25	<0.1	0.02	4.3
CK139	Soil		8.3	17.0	0.20	28.1	0.002	<20	1.05	0.001	0.02	<0.1	0.4	0.08	0.03	21	0.3	0.09	5.0
CK140	Soil		8.9	13.3	0.05	76.2	0.003	<20	0.81	0.002	0.03	<0.1	0.3	0.13	0.04	23	0.2	0.05	6.1
CK141	Soil		6.7	11.8	0.22	34.4	0.003	<20	1.07	0.007	0.01	<0.1	0.5	0.05	0.02	19	0.1	0.04	3.7
CK142	Soil		7.9	15.5	0.15	30.4	0.003	<20	0.90	0.005	0.02	<0.1	0.4	0.05	0.03	44	0.3	0.12	6.1
CK143	Soil		1.5	1.8	0.01	19.1	0.001	<20	0.16	0.017	0.01	<0.1	0.1	0.03	<0.02	23	0.2	<0.02	1.0
CK144	Soil		6.2	5.8	0.04	23.1	0.001	<20	0.46	0.008	0.02	<0.1	0.2	0.05	0.02	<5	<0.1	0.05	3.9
CK145	Soil		5.7	29.5	0.27	44.7	0.006	<20	1.66	0.004	0.02	<0.1	0.8	0.05	0.08	87	0.5	0.04	8.1
CK146	Soil		7.5	17.9	0.25	93.5	0.003	<20	1.10	0.006	0.02	<0.1	0.4	0.12	0.04	41	<0.1	0.11	5.6
CK147	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
CK148	Soil		2.3	3.0	0.03	13.0	0.006	<20	0.29	0.013	0.02	<0.1	0.2	0.04	0.04	24	<0.1	<0.02	2.0
CK153	Soil		11.6	12.5	0.14	24.7	0.003	<20	0.75	0.005	0.02	<0.1	0.6	0.08	0.02	38	0.3	0.17	5.1
CK154	Soil		5.6	23.9	0.19	40.1	0.003	<20	1.14	0.008	0.03	<0.1	0.4	0.05	0.04	34	<0.1	0.10	7.2
CK155	Soil		2.1	5.5	0.03	14.6	0.001	<20	0.43	0.016	0.02	<0.1	0.1	<0.02	0.03	21	<0.1	0.04	2.8
CK156	Soil		8.3	25.4	0.47	29.3	0.003	<20	1.70	0.004	0.02	0.1	0.6	0.03	0.04	9	<0.1	0.06	6.1
CK157	Soil		6.7	26.5	0.25	36.8	0.003	<20	1.39	0.004	0.02	<0.1	0.5	0.03	0.07	40	0.2	0.08	7.5
CK158	Soil		<0.5	1.5	<0.01	10.7	0.002	<20	0.10	0.018	0.02	<0.1	0.1	0.03	<0.02	12	<0.1	<0.02	0.6
CK159	Soil		5.4	8.0	0.07	25.3	0.005	<20	0.82	0.013	0.02	<0.1	0.4	0.04	0.03	36	0.2	0.02	4.2
CK160	Soil		1.0	4.7	0.02	43.4	0.002	<20	0.24	0.014	0.02	<0.1	0.1	0.05	0.06	40	<0.1	<0.02	1.8
CK161	Soil		1.3	5.0	0.06	8.1	0.002	<20	0.33	0.016	0.02	<0.1	0.2	<0.02	0.03	32	<0.1	<0.02	2.7
CK162	Soil		12.0	19.9	0.36	28.9	0.010	<20	1.14	0.004	0.03	0.1	0.6	0.09	0.05	29	0.5	0.09	5.3
CK163	Soil		13.5	20.9	0.29	24.4	0.012	<20	1.33	0.004	0.03	<0.1	1.4	0.13	0.03	27	0.3	0.08	5.5
CK165	Soil		12.5	8.6	0.03	20.8	0.007	<20	0.48	0.009	0.02	<0.1	0.3	0.23	0.02	<5	<0.1	0.09	5.2

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Project: Reef
Report Date: August 30, 2012

CERTIFICATE OF ANALYSIS WHI12000697.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
CK196	Soil		0.85	18.21	30.83	31.0	88	11.0	3.8	185	3.04	961.7	1.5	30.4	1.8	51.5	0.03	1.01	0.23	19	<0.01	0.062
CK197	Soil		0.65	10.66	12.92	12.9	129	5.1	2.0	56	0.97	90.0	0.5	9.4	<0.1	9.0	0.03	0.26	0.15	17	<0.01	0.029
CK198	Soil		0.87	15.39	19.35	35.8	81	11.8	3.8	155	3.20	421.6	1.1	31.4	0.7	15.5	0.04	0.44	0.25	24	0.01	0.046
CK199	Soil		0.85	24.20	26.94	64.2	29	24.5	9.6	382	3.99	362.5	1.0	12.8	2.5	12.7	0.04	0.67	0.26	23	0.01	0.038
CK200	Soil		0.27	10.37	4.18	22.5	111	9.4	3.3	147	0.82	21.2	0.3	1.2	<0.1	2.1	0.01	0.04	0.09	6	<0.01	0.034
CK201	Soil		1.02	29.48	21.93	51.8	78	14.4	9.9	1384	3.65	76.8	0.6	2.8	0.1	4.7	0.08	0.64	0.32	31	0.01	0.096
CK202	Soil		0.68	21.36	12.88	27.7	256	7.9	4.0	529	2.02	19.8	0.6	1.4	<0.1	6.2	0.08	0.39	0.22	18	0.01	0.114
CK203	Soil		0.86	39.45	42.50	67.9	121	25.9	11.2	589	5.51	67.6	1.1	7.1	0.8	4.3	0.13	0.75	0.34	22	0.02	0.099
CK204	Soil		0.64	24.66	20.34	29.9	280	10.2	7.2	1274	5.37	16.1	0.8	1.2	<0.1	4.9	0.08	0.37	0.29	32	0.01	0.206
CK205	Soil		0.73	33.35	43.18	80.7	54	34.0	20.6	1235	4.96	117.7	0.9	11.5	1.5	4.9	0.11	1.04	0.34	17	0.03	0.066
CK206	Soil		0.86	33.49	24.88	60.5	105	18.9	8.9	505	3.72	71.5	0.8	4.1	0.2	5.4	0.12	0.54	0.38	25	0.01	0.092
CK207	Soil		0.77	31.19	38.41	44.0	356	13.4	15.7	2451	5.33	38.1	0.8	2.7	0.1	4.7	0.17	0.52	0.35	31	0.02	0.239
CK208	Soil		0.57	26.75	21.53	49.8	195	16.6	6.6	355	3.13	54.1	0.8	2.8	0.4	4.6	0.08	0.57	0.29	18	<0.01	0.094
PS1	Soil		0.40	34.22	47.17	102.2	147	34.4	23.7	719	3.92	9.3	1.9	2.5	5.5	12.9	0.02	0.24	0.46	7	0.21	0.052
PS2	Soil		0.33	37.50	48.70	102.5	88	36.9	23.6	820	4.31	16.7	1.5	3.9	13.3	13.2	0.05	0.47	0.46	7	0.24	0.050
PS4	Soil		0.33	35.43	44.49	83.3	155	32.2	23.1	1048	3.50	206.5	1.1	41.8	16.1	18.2	0.04	1.17	0.44	4	0.27	0.054
PS5	Soil		0.34	32.44	34.37	51.2	158	28.4	16.5	612	3.50	33.9	1.8	15.2	8.0	18.4	0.02	1.02	0.41	4	0.40	0.059
PS7	Soil		0.42	62.29	44.87	101.5	67	35.2	19.4	1137	3.99	2.3	1.6	2.4	7.7	4.6	0.02	0.09	0.74	8	0.08	0.042
PS9	Soil		0.23	44.76	15.89	90.1	64	34.5	18.0	1288	3.27	2.3	1.6	2.3	7.0	6.7	0.03	0.17	0.54	9	0.05	0.046
PS10	Soil		0.13	2.54	7.36	4.6	40	2.2	2.1	138	0.33	0.5	0.3	<0.2	<0.1	12.3	<0.01	<0.02	0.07	4	0.21	0.031
PS11	Soil		0.43	42.45	53.98	115.7	120	47.2	27.6	999	4.46	11.7	1.6	2.0	14.2	24.7	0.03	0.36	0.40	7	0.26	0.060
PS12	Soil		0.34	25.42	45.36	69.5	124	29.4	16.3	553	2.69	10.2	1.7	2.3	6.1	20.4	0.05	0.27	0.26	6	0.33	0.053
PS14	Soil		0.43	43.28	42.67	105.9	103	43.6	28.1	486	3.83	31.6	1.5	5.8	14.6	17.4	0.04	0.40	0.39	8	0.40	0.052
PS15	Soil		0.28	31.99	31.22	67.7	125	25.5	20.6	654	2.62	8.5	1.2	2.8	5.2	35.2	0.06	0.40	0.29	7	0.63	0.072
PS16	Soil		0.42	19.50	33.86	41.9	59	27.0	19.2	558	2.41	19.3	1.0	6.0	18.7	15.2	<0.01	0.32	0.22	5	0.24	0.046
PS17	Soil		0.33	28.40	43.37	109.7	124	39.3	41.2	1650	2.71	8.0	1.1	1.0	16.8	20.7	0.12	0.21	0.24	6	0.20	0.024
PS18	Soil		0.40	22.50	36.45	68.7	100	26.4	12.4	301	2.76	16.0	1.2	1.3	4.6	17.5	0.02	0.47	0.32	8	0.20	0.050
PS19	Soil		0.31	39.56	49.33	89.4	55	34.8	22.1	729	4.10	31.1	1.8	4.5	8.6	7.8	0.03	0.45	0.54	8	0.07	0.039
PS20	Soil		0.35	46.52	29.75	73.6	61	32.7	23.1	823	3.37	9.4	1.3	1.7	15.9	14.3	<0.01	0.21	0.54	7	0.21	0.047

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Client: **Precipitate Gold Corp.**
860 - 789 West Pender St.
Vancouver BC V6C 1H2 Canada

Project: Reef
Report Date: August 30, 2012

CERTIFICATE OF ANALYSIS WHI12000697.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
CK196	Soil		16.7	11.9	0.12	67.0	0.007	<20	0.69	0.003	0.03	0.3	0.7	0.46	0.03	18	0.2	0.37	4.1
CK197	Soil		13.7	6.3	0.04	28.5	0.006	<20	0.52	0.007	0.02	<0.1	0.3	0.09	<0.02	<5	0.3	<0.02	3.8
CK198	Soil		15.6	17.2	0.22	29.4	0.006	<20	1.23	0.003	0.02	0.1	0.8	0.32	0.02	52	0.2	0.07	5.9
CK199	Soil		17.2	23.2	0.46	28.5	0.008	<20	1.53	0.003	0.02	<0.1	1.5	0.31	<0.02	29	0.5	0.04	5.9
CK200	Soil		13.3	4.0	<0.01	20.6	0.001	<20	0.36	0.003	0.02	0.1	0.2	0.07	<0.02	12	<0.1	0.04	2.1
CK201	Soil		11.1	18.3	0.14	50.6	0.005	<20	0.97	0.005	0.03	<0.1	0.4	0.06	0.04	11	0.2	0.05	7.8
CK202	Soil		6.0	13.6	0.07	36.2	0.001	<20	0.83	0.008	0.02	<0.1	0.3	0.06	0.05	34	0.2	0.09	4.6
CK203	Soil		8.7	34.3	0.47	20.5	0.004	<20	1.86	0.003	0.03	0.1	0.6	0.06	0.05	58	0.3	0.14	6.1
CK204	Soil		4.1	30.8	0.13	44.5	0.002	<20	1.19	0.006	0.03	<0.1	0.4	0.04	0.10	59	0.4	0.04	8.6
CK205	Soil		11.1	26.5	0.64	33.3	0.005	<20	1.96	0.002	0.03	<0.1	1.4	0.08	0.02	19	<0.1	0.07	4.8
CK206	Soil		10.5	19.4	0.27	32.2	0.003	<20	1.21	0.004	0.03	<0.1	0.3	0.13	0.03	12	0.1	0.11	6.8
CK207	Soil		6.2	26.3	0.16	52.0	0.002	<20	1.39	0.005	0.03	<0.1	0.5	0.06	0.04	49	0.3	0.04	8.3
CK208	Soil		9.9	19.0	0.30	43.6	0.003	<20	1.19	0.004	0.02	<0.1	0.5	0.07	0.03	23	0.3	0.07	5.2
PS1	Soil		10.0	20.3	0.58	36.3	0.002	<20	1.81	0.006	0.03	<0.1	2.1	0.04	0.02	20	<0.1	<0.02	5.5
PS2	Soil		20.6	22.3	0.69	22.4	<0.001	<20	1.84	0.003	0.04	<0.1	2.7	0.03	<0.02	20	<0.1	<0.02	5.2
PS4	Soil		12.2	9.1	0.24	52.0	0.004	<20	1.04	0.017	0.03	<0.1	3.5	0.04	<0.02	20	<0.1	0.03	2.5
PS5	Soil		8.6	10.4	0.27	30.3	0.002	<20	1.13	0.006	0.02	<0.1	2.6	0.03	0.05	52	0.1	<0.02	2.9
PS7	Soil		12.7	25.4	0.84	58.2	<0.001	<20	1.98	0.002	0.02	<0.1	1.9	<0.02	0.02	21	<0.1	0.03	6.3
PS9	Soil		13.0	19.1	0.67	62.0	0.003	<20	1.57	0.004	0.03	<0.1	1.5	0.03	<0.02	42	<0.1	0.04	4.7
PS10	Soil		1.7	2.2	0.03	22.2	0.010	<20	0.49	0.024	0.02	<0.1	0.2	<0.02	0.04	11	<0.1	<0.02	1.8
PS11	Soil		28.8	21.1	0.75	28.5	0.002	<20	1.75	0.005	0.03	<0.1	2.3	0.03	0.03	42	<0.1	0.02	5.1
PS12	Soil		16.7	9.4	0.29	53.1	0.005	<20	0.92	0.008	0.06	<0.1	2.1	0.06	0.03	24	<0.1	0.03	2.6
PS14	Soil		15.6	19.2	0.60	37.2	0.002	<20	1.52	0.001	0.05	<0.1	2.2	0.04	<0.02	14	<0.1	0.03	4.1
PS15	Soil		11.6	11.8	0.37	41.1	0.006	<20	1.07	0.012	0.04	<0.1	2.9	0.03	0.04	39	0.2	0.03	2.7
PS16	Soil		13.7	12.5	0.31	29.6	0.001	<20	0.86	0.002	0.03	<0.1	1.8	0.02	<0.02	8	<0.1	0.02	2.7
PS17	Soil		8.2	14.4	0.37	28.4	<0.001	<20	1.08	0.001	0.03	<0.1	2.8	0.03	<0.02	48	<0.1	0.03	3.5
PS18	Soil		7.8	16.6	0.40	26.1	0.002	<20	1.12	0.005	0.03	<0.1	1.3	0.03	0.04	25	0.1	0.02	3.9
PS19	Soil		16.5	20.8	0.64	23.3	<0.001	<20	1.74	<0.001	0.02	<0.1	1.5	0.02	<0.02	14	<0.1	<0.02	4.9
PS20	Soil		17.2	18.1	0.61	32.6	<0.001	<20	1.43	<0.001	0.03	<0.1	1.8	<0.02	<0.02	12	<0.1	0.03	4.3

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860 - 789 West Pender St.
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Project: Reef
Report Date: August 30, 2012

QUALITY CONTROL REPORT WHI12000697.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
CK28	Soil	0.48	53.69	35.42	101.7	70	45.7	27.6	952	4.53	141.2	1.7	22.5	7.7	5.2	0.05	0.39	0.26	16	0.09	0.043
REP CK28	QC	0.50	52.65	37.08	98.7	75	48.1	28.5	974	4.59	144.4	1.8	43.3	8.3	5.2	0.06	0.44	0.27	16	0.08	0.042
CK141	Soil	0.49	25.40	18.81	45.7	274	17.7	8.3	768	2.60	88.7	0.7	11.4	0.3	3.2	0.04	1.08	0.34	12	<0.01	0.068
REP CK141	QC	0.49	25.80	17.92	44.5	280	17.4	8.6	699	2.54	89.5	0.7	10.8	0.3	3.2	0.03	1.09	0.34	12	<0.01	0.070
CK148	Soil	0.29	5.08	5.34	8.0	57	2.2	1.2	58	0.55	49.9	0.3	3.4	<0.1	5.0	0.05	0.15	0.16	9	0.02	0.041
REP CK148	QC	0.32	4.87	5.52	9.7	60	2.6	0.8	48	0.55	58.1	0.3	2.8	<0.1	5.0	0.05	0.20	0.12	9	0.02	0.043
PS11	Soil	0.43	42.45	53.98	115.7	120	47.2	27.6	999	4.46	11.7	1.6	2.0	14.2	24.7	0.03	0.36	0.40	7	0.26	0.060
REP PS11	QC	0.41	42.50	53.20	115.4	126	46.2	26.4	992	4.40	11.6	1.6	1.4	14.5	24.7	0.05	0.38	0.40	7	0.26	0.062
PS15	Soil	0.28	31.99	31.22	67.7	125	25.5	20.6	654	2.62	8.5	1.2	2.8	5.2	35.2	0.06	0.40	0.29	7	0.63	0.072
REP PS15	QC	0.27	32.37	31.55	67.3	120	25.3	20.9	676	2.65	8.4	1.2	1.3	5.0	35.2	0.05	0.39	0.30	7	0.64	0.069
Reference Materials																					
STD DS9	Standard	12.62	110.2	126.1	322.9	1794	41.6	7.9	570	2.31	24.5	3.1	122.1	5.8	65.6	2.16	4.62	4.70	37	0.71	0.080
STD DS9	Standard	13.05	112.1	128.2	315.2	2021	41.6	7.9	595	2.34	25.6	2.7	119.6	6.5	68.5	2.32	3.74	6.37	38	0.72	0.084
STD DS9	Standard	12.78	114.2	134.5	318.9	2191	41.1	7.9	561	2.34	25.7	2.8	106.6	6.3	69.8	2.31	3.73	6.37	38	0.69	0.082
STD DS9	Standard	11.56	106.9	121.9	302.7	1690	40.9	7.4	547	2.19	24.3	2.4	103.6	5.4	60.8	2.28	4.82	6.34	36	0.66	0.078
STD OREAS45CA	Standard	0.82	482.7	17.82	51.5	209	242.2	87.8	866	15.17	4.4	1.1	43.6	6.7	13.2	0.10	0.11	0.08	211	0.38	0.035
STD OREAS45CA	Standard	0.91	473.4	19.37	55.3	266	235.1	88.4	940	15.21	4.0	1.2	48.2	8.0	14.4	0.10	0.11	0.05	214	0.40	0.035
STD OREAS45CA	Standard	0.86	488.9	21.61	62.6	274	242.3	93.4	920	15.97	2.8	1.3	41.7	7.7	14.6	0.09	0.05	0.17	206	0.44	0.040
STD OREAS45CA	Standard	0.85	484.0	21.65	58.3	291	235.7	99.4	945	16.16	2.9	1.3	41.4	7.4	14.2	0.08	0.08	0.23	211	0.44	0.038
STD OREAS45CA	Standard	0.96	459.7	20.14	52.4	244	225.6	87.9	901	14.39	3.7	1.2	40.1	7.0	13.7	0.08	0.23	0.17	209	0.38	0.037
STD OREAS45CA Expected		1	494	20	60	275	240	92	943	15.69	3.8	1.2	43	7	15	0.1	0.13	0.19	215	0.4265	0.0385
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.01	0.08	0.02	<0.1	8	0.3	<0.1	1	<0.01	0.3	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.03	<0.01	<0.1	9	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.03	<0.01	<0.1	5	<0.1	<0.1	<1	0.04	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	0.04	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	0.4	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	0.04	<0.01	<0.01	<0.1	4	<0.1	<0.1	1	<0.01	0.4	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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Project: Reef
Report Date: August 30, 2012

QUALITY CONTROL REPORT WHI12000697.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
CK28	Soil	15.6	34.7	1.12	12.5	<0.001	<20	2.35	<0.001	0.02	<0.1	2.2	<0.02	<0.02	<5	<0.1	0.10	6.6
REP CK28	QC	17.0	34.7	1.14	12.7	<0.001	<20	2.39	<0.001	0.02	<0.1	2.3	<0.02	<0.02	<5	<0.1	<0.02	6.8
CK141	Soil	6.7	11.8	0.22	34.4	0.003	<20	1.07	0.007	0.01	<0.1	0.5	0.05	0.02	19	0.1	0.04	3.7
REP CK141	QC	6.9	11.7	0.22	32.6	0.003	<20	1.04	0.006	0.01	<0.1	0.6	0.05	0.02	25	0.1	0.06	3.7
CK148	Soil	2.3	3.0	0.03	13.0	0.006	<20	0.29	0.013	0.02	<0.1	0.2	0.04	0.04	24	<0.1	<0.02	2.0
REP CK148	QC	2.3	3.7	0.03	14.8	0.007	<20	0.30	0.014	0.03	<0.1	0.3	0.03	0.04	16	0.2	<0.02	1.9
PS11	Soil	28.8	21.1	0.75	28.5	0.002	<20	1.75	0.005	0.03	<0.1	2.3	0.03	0.03	42	<0.1	0.02	5.1
REP PS11	QC	28.5	20.3	0.74	28.9	0.002	<20	1.72	0.005	0.03	<0.1	2.3	0.03	0.03	40	0.2	0.03	4.7
PS15	Soil	11.6	11.8	0.37	41.1	0.006	<20	1.07	0.012	0.04	<0.1	2.9	0.03	0.04	39	0.2	0.03	2.7
REP PS15	QC	11.0	12.7	0.37	41.2	0.007	<20	1.08	0.012	0.04	<0.1	2.9	0.03	0.04	33	0.1	0.03	2.7
Reference Materials																		
STD DS9	Standard	12.3	114.0	0.62	318.4	0.108	<20	0.93	0.080	0.40	3.0	2.1	5.76	0.17	265	4.5	4.43	4.3
STD DS9	Standard	12.9	118.5	0.63	314.5	0.107	<20	0.95	0.084	0.40	2.9	2.4	5.78	0.17	226	5.4	5.02	4.6
STD DS9	Standard	12.2	113.4	0.62	320.9	0.106	<20	0.92	0.078	0.40	3.0	2.4	5.82	0.17	231	5.7	4.88	4.6
STD DS9	Standard	10.9	110.5	0.60	302.9	0.092	<20	0.87	0.071	0.37	3.1	2.0	5.58	0.15	219	5.2	4.86	4.1
STD OREAS45CA	Standard	14.9	636.9	0.13	145.2	0.124	<20	3.47	0.008	0.07	<0.1	43.2	0.08	0.02	35	0.1	<0.02	16.5
STD OREAS45CA	Standard	15.7	682.6	0.13	163.3	0.126	<20	3.40	0.015	0.07	<0.1	50.6	0.12	0.03	23	0.1	0.02	17.1
STD OREAS45CA	Standard	17.0	702.9	0.15	171.0	0.129	<20	3.44	0.015	0.07	<0.1	43.0	0.12	0.03	30	0.2	0.04	19.5
STD OREAS45CA	Standard	16.5	690.7	0.14	167.7	0.128	<20	3.26	0.010	0.07	<0.1	43.9	0.11	0.03	35	0.1	0.07	18.8
STD OREAS45CA	Standard	15.3	643.3	0.13	159.3	0.108	<20	3.21	0.007	0.06	<0.1	40.0	0.10	<0.02	30	0.1	0.04	17.8
STD OREAS45CA Expected		15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		39.7	0.07	0.021	30	0.5	0.06	18.4
STD DS9 Expected		13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **Precipitate Gold Corp.**
860 - 789 West Pender St.
Vancouver BC V6C 1H2 Canada

Submitted By: Michael Moore
Receiving Lab: Canada-Whitehorse
Received: September 06, 2012
Report Date: September 27, 2012
Page: 1 of 6

CERTIFICATE OF ANALYSIS WHI12000838.1

CLIENT JOB INFORMATION

Project: Reef
Shipment ID: PG12-001
P.O. Number PRG
Number of Samples: 149

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	145	Dry at 60C			WHI
SS80	145	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	145	Saving all or part of Soil Reject			WHI
1F01	145	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Precipitate Gold Corp.
860 - 789 West Pender St.
Vancouver BC V6C 1H2
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Precipitate Gold Corp.**
860 - 789 West Pender St.
Vancouver BC V6C 1H2 Canada

Project: Reef
Report Date: September 27, 2012

CERTIFICATE OF ANALYSIS WHI12000838.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
PGL001 00+00S	Soil		1.13	43.38	44.35	52.9	173	22.6	7.7	234	3.60	93.8	2.6	8.2	2.0	7.3	0.02	0.51	0.54	16	0.02	0.072
PGL001 00+50S	Soil		1.23	51.84	30.13	126.8	203	35.7	28.9	1113	8.34	168.7	19.9	12.2	8.3	7.4	0.07	0.35	0.51	22	0.03	0.092
PGL001 01+00S	Soil		0.72	58.16	37.86	102.5	167	44.9	19.1	778	4.45	112.5	4.1	9.6	5.5	11.2	0.12	0.42	0.67	15	0.28	0.062
PGL001 01+50S	Soil		0.93	58.00	45.25	96.6	87	46.7	28.0	1907	4.99	74.8	2.2	9.3	6.0	3.6	0.09	0.85	0.72	17	0.05	0.066
PGL001 02+00S	Soil		0.55	29.35	33.00	61.0	289	24.6	14.7	849	3.41	40.2	0.8	14.7	2.8	2.8	0.06	1.48	0.61	13	0.01	0.052
PGL001 02+50S	Soil		0.24	29.40	17.00	71.4	41	41.5	17.1	662	4.04	72.0	0.5	10.1	6.0	4.4	0.02	0.04	0.32	18	0.05	0.049
PGL001 03+00S	Soil		0.37	33.54	14.84	68.4	32	41.7	14.4	582	4.15	31.6	0.5	3.7	1.6	2.6	0.04	0.03	0.32	18	0.01	0.068
PGL001 03+50S	Soil		0.28	42.20	21.84	96.4	27	62.9	23.2	1150	5.16	227.9	0.5	15.6	6.5	3.9	0.06	0.06	0.39	22	0.03	0.051
PGL001 04+00S	Soil		0.65	24.66	22.50	59.7	37	25.7	12.1	885	4.36	321.8	0.6	4.5	1.5	2.6	0.06	0.34	0.49	21	0.01	0.080
PGL001 04+50S	Soil		0.64	63.06	39.87	98.7	154	48.6	23.3	836	4.61	129.6	2.4	33.6	7.6	10.0	0.06	0.12	0.42	18	0.18	0.049
PGL001 05+00S	Soil		1.49	70.50	44.49	97.9	172	56.4	30.5	1207	4.83	165.1	2.3	30.3	8.9	8.7	0.06	0.14	0.45	19	0.12	0.045
PGL001 05+50S	Soil		0.52	64.31	38.80	97.2	111	50.6	30.8	1105	4.84	140.6	2.0	30.9	11.0	6.7	0.06	0.10	0.48	19	0.11	0.048
PGL002 00+00N	Soil		0.57	26.93	20.55	56.7	37	28.6	14.7	1100	3.93	76.3	0.5	2.5	0.8	3.4	0.06	0.32	0.58	22	0.02	0.070
PGL002 00+50N	Soil		1.79	21.32	25.57	49.4	50	18.6	9.1	755	4.94	105.1	1.0	2.9	0.4	6.3	0.12	0.26	0.62	44	0.03	0.125
PGL002 01+00N	Soil		0.79	71.43	51.87	109.9	142	61.8	27.8	1664	5.41	196.2	1.5	6.1	9.4	12.2	0.14	0.60	0.59	14	0.35	0.064
PGL002 01+50N	Soil		1.41	81.18	57.72	122.1	121	71.1	33.6	1240	6.03	102.6	1.1	4.0	13.1	17.9	0.11	0.66	0.73	13	0.61	0.051
PGL002 02+00N	Soil		2.01	175.6	188.2	152.8	258	79.1	93.0	3337	7.60	160.0	2.6	4.9	12.2	8.3	0.29	0.47	2.88	22	0.22	0.066
PGL002 02+50N	Soil		0.69	56.38	57.98	83.1	99	35.1	28.0	2836	3.97	28.4	2.4	2.3	2.6	17.2	0.22	0.65	0.62	12	0.52	0.103
PGL002 03+00N	Soil		0.70	22.33	24.46	28.5	56	11.3	3.9	156	2.55	62.9	1.3	2.1	0.2	6.1	0.06	0.35	0.32	14	0.01	0.080
PGL002 03+50N	Soil		0.53	15.11	25.91	32.6	69	15.0	4.4	229	2.19	8.4	0.6	0.6	0.2	3.9	0.04	0.17	0.24	13	0.02	0.054
PGL002 04+00N	Soil		0.90	37.62	34.53	68.6	49	29.3	9.9	443	3.98	943.9	1.6	54.3	2.0	5.2	0.04	0.36	0.56	21	0.03	0.072
PGL002 04+50N	Soil		0.83	38.68	32.12	71.9	54	26.7	14.8	759	6.22	56.8	1.5	3.0	0.9	4.6	0.11	0.44	0.61	31	0.02	0.089
PGL002 05+00N	Soil		0.61	23.53	20.25	63.2	34	29.2	7.4	299	3.52	22.8	1.3	1.0	3.9	5.7	0.04	0.15	0.34	17	0.04	0.057
PGL002 05+50N	Soil		1.01	48.27	31.04	92.8	77	102.8	32.1	1283	6.38	119.0	2.1	2.0	3.0	5.3	0.09	0.36	0.42	105	0.03	0.109
PGL003 00+00S	Soil		0.47	47.45	29.60	66.9	123	27.1	12.3	430	3.08	22.2	2.2	2.8	7.5	6.6	0.04	0.48	0.33	13	0.07	0.061
PGL003 00+50S	Soil		0.80	46.88	31.98	73.2	111	27.9	11.6	454	3.37	62.6	2.6	3.8	2.5	5.5	0.11	0.40	0.45	16	0.05	0.066
PGL003 01+00S	Soil		0.91	38.84	27.49	51.7	149	18.2	6.7	258	4.55	92.1	2.2	5.9	1.7	5.3	0.10	0.68	0.41	18	0.02	0.104
PGL003 01+50S	Soil		0.96	69.00	51.57	98.8	232	34.5	12.1	383	4.51	259.7	4.1	14.1	4.3	8.9	0.10	0.50	0.60	17	0.04	0.076
PGL003 02+00S	Soil		1.02	132.9	60.33	93.1	310	35.1	27.3	778	4.36	68.5	4.3	17.1	3.6	9.5	0.11	1.02	0.60	13	0.04	0.102
PGL003 02+50S	Soil		1.40	60.21	52.21	71.6	460	28.1	8.7	263	4.30	85.9	5.1	7.0	2.9	7.4	0.05	0.29	0.67	19	0.06	0.105

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Client: **Precipitate Gold Corp.**
860 - 789 West Pender St.
Vancouver BC V6C 1H2 Canada

Project: Reef
Report Date: September 27, 2012

CERTIFICATE OF ANALYSIS WHI12000838.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
PGL001 00+00S	Soil		11.0	20.1	0.43	32.2	0.005	<20	1.35	0.007	0.03	0.1	1.0	0.37	0.03	35	0.5	0.06	4.9
PGL001 00+50S	Soil		10.7	25.4	0.58	38.6	0.009	<20	2.42	<0.001	0.03	0.2	2.3	0.52	0.05	64	0.9	0.05	5.3
PGL001 01+00S	Soil		12.2	21.5	0.71	40.4	0.002	<20	2.04	0.003	0.04	<0.1	3.4	0.09	0.05	31	0.5	0.09	4.8
PGL001 01+50S	Soil		12.3	24.6	0.95	32.1	0.003	<20	2.29	<0.001	0.03	<0.1	2.7	0.22	<0.02	43	0.2	0.15	5.9
PGL001 02+00S	Soil		13.4	16.6	0.63	23.7	0.003	<20	1.60	0.005	0.03	<0.1	1.5	0.54	0.03	28	0.3	0.07	4.4
PGL001 02+50S	Soil		19.9	28.2	1.15	28.6	0.002	<20	2.35	<0.001	0.05	<0.1	1.7	0.02	<0.02	9	<0.1	0.04	6.1
PGL001 03+00S	Soil		13.3	26.6	1.18	35.0	0.001	<20	2.60	<0.001	0.05	<0.1	1.0	0.04	0.03	12	0.3	0.07	6.5
PGL001 03+50S	Soil		22.9	34.7	1.54	36.7	0.001	<20	3.04	<0.001	0.06	<0.1	2.2	<0.02	<0.02	12	<0.1	0.11	7.4
PGL001 04+00S	Soil		11.3	25.8	0.75	24.2	0.005	<20	1.86	<0.001	0.02	<0.1	0.9	0.04	0.04	25	0.6	0.12	6.1
PGL001 04+50S	Soil		14.4	34.9	1.18	16.5	<0.001	<20	2.50	<0.001	0.02	<0.1	2.3	<0.02	<0.02	14	0.2	0.06	6.4
PGL001 05+00S	Soil		15.2	45.4	1.15	18.1	<0.001	<20	2.47	<0.001	0.03	<0.1	2.4	0.02	<0.02	26	0.2	0.12	6.5
PGL001 05+50S	Soil		21.5	37.9	1.23	14.4	<0.001	<20	2.60	<0.001	0.02	<0.1	2.3	<0.02	<0.02	7	<0.1	0.08	6.9
PGL002 00+00N	Soil		11.9	25.4	0.78	22.4	0.006	<20	1.82	<0.001	0.02	<0.1	0.8	0.05	0.03	28	0.3	0.04	6.2
PGL002 00+50N	Soil		12.9	32.9	0.34	29.6	0.014	<20	1.47	0.002	0.04	<0.1	0.7	0.07	0.07	41	0.6	0.04	9.5
PGL002 01+00N	Soil		21.4	18.1	0.50	28.9	0.001	<20	1.48	0.002	0.03	<0.1	5.6	0.05	<0.02	35	0.4	0.13	3.5
PGL002 01+50N	Soil		18.8	18.2	0.69	20.2	<0.001	<20	1.52	0.002	0.04	<0.1	5.2	0.07	0.03	45	0.3	0.10	4.3
PGL002 02+00N	Soil		21.7	33.7	1.32	33.3	0.002	<20	2.92	<0.001	0.03	<0.1	6.1	0.09	<0.02	34	0.3	0.65	7.4
PGL002 02+50N	Soil		11.7	13.9	0.58	63.6	0.011	<20	2.01	0.015	0.02	<0.1	4.7	0.06	0.08	43	0.2	0.04	4.8
PGL002 03+00N	Soil		6.8	13.1	0.20	27.1	0.005	<20	0.90	0.008	0.02	0.1	0.5	0.12	0.06	44	0.2	0.04	4.5
PGL002 03+50N	Soil		4.7	15.0	0.30	15.4	0.008	<20	1.02	0.010	0.02	<0.1	0.6	0.05	0.04	32	0.2	0.03	4.4
PGL002 04+00N	Soil		14.0	25.4	0.62	40.8	0.009	<20	1.80	0.003	0.03	<0.1	1.3	0.09	0.04	32	0.6	0.07	6.3
PGL002 04+50N	Soil		12.5	34.4	0.50	32.3	0.007	<20	2.07	<0.001	0.02	<0.1	0.9	0.08	0.06	51	0.3	0.06	8.6
PGL002 05+00N	Soil		14.7	24.2	0.72	26.4	0.008	<20	1.82	0.007	0.03	0.1	1.5	0.05	<0.02	13	0.2	0.02	5.3
PGL002 05+50N	Soil		15.4	269.0	3.16	31.1	0.010	<20	3.78	<0.001	0.02	0.1	8.1	0.11	0.03	27	0.4	0.08	9.7
PGL003 00+00S	Soil		24.6	19.6	0.57	22.3	0.008	<20	1.52	0.011	0.03	<0.1	1.8	0.08	<0.02	14	0.3	0.03	4.3
PGL003 00+50S	Soil		17.5	19.6	0.51	22.4	0.010	<20	1.65	0.006	0.03	0.1	1.2	0.09	0.02	34	0.3	0.05	4.7
PGL003 01+00S	Soil		11.8	22.3	0.34	17.1	0.004	<20	1.25	<0.001	0.02	0.2	1.0	0.14	0.08	72	0.4	0.12	5.2
PGL003 01+50S	Soil		25.3	24.5	0.73	22.9	0.004	<20	1.93	<0.001	0.02	0.2	1.6	0.10	<0.02	26	0.4	0.12	5.5
PGL003 02+00S	Soil		15.5	18.4	0.50	21.5	0.005	<20	1.69	0.005	0.03	0.3	1.8	0.14	0.04	59	0.2	0.16	4.5
PGL003 02+50S	Soil		10.4	29.7	0.65	41.9	0.004	<20	2.16	0.002	0.04	0.2	1.4	0.34	0.06	38	0.6	0.06	6.0

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Client: **Precipitate Gold Corp.**
860 - 789 West Pender St.
Vancouver BC V6C 1H2 Canada

Project: Reef
Report Date: September 27, 2012

CERTIFICATE OF ANALYSIS WHI12000838.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
PGL003 03+00S	Soil		0.70	64.78	28.88	125.1	143	53.5	21.9	621	4.29	45.4	3.7	6.8	3.8	8.7	0.11	0.16	0.56	19	0.14	0.061
PGL003 03+50S	Soil		0.83	62.20	42.40	83.3	214	44.8	27.2	909	5.39	102.2	1.6	17.5	6.3	4.0	0.05	0.62	0.53	22	0.01	0.089
PGL003 04+00S	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
PGL003 04+50S	Soil		0.90	62.20	44.35	107.4	178	51.1	29.7	1305	5.14	175.1	2.2	32.3	6.9	8.8	0.09	0.41	0.58	18	0.20	0.062
PGL003 05+00S	Soil		1.11	54.90	45.67	95.7	186	41.5	28.5	1308	4.39	191.9	2.1	11.5	2.8	10.0	0.12	0.63	0.60	16	0.23	0.097
PGL003 05+50S	Soil		1.13	44.93	41.99	62.7	126	28.0	18.3	937	4.20	323.0	1.6	12.7	2.7	4.7	0.04	0.52	0.41	17	0.02	0.086
PGL003 06+00S	Soil		3.70	296.6	179.5	246.2	526	75.3	94.5	2810	7.27	429.6	8.4	145.8	14.8	3.6	0.21	1.40	1.03	18	0.06	0.082
PGL003 06+50S	Soil		1.07	111.3	122.0	177.9	107	67.9	43.0	5248	6.50	571.5	3.8	3.4	6.7	20.0	0.46	0.93	1.48	18	0.62	0.157
PGL003 07+00S	Soil		0.92	95.51	46.57	112.4	46	57.7	32.4	1654	4.70	251.2	1.6	17.9	8.7	5.7	0.16	0.57	0.59	18	0.08	0.068
PGL003 07+50S	Soil		1.82	70.60	60.59	93.3	221	53.0	40.2	1633	5.10	254.4	2.3	20.7	5.6	8.8	0.13	1.64	0.86	16	0.15	0.077
PGL003 08+00S	Soil		0.82	19.70	23.68	61.6	86	21.9	13.9	1187	5.31	154.4	0.8	6.8	0.9	4.9	0.09	0.50	0.51	30	0.02	0.097
PGL004 00+00N	Soil		0.27	37.07	16.36	76.4	30	47.6	18.9	897	4.71	18.1	0.4	1.9	1.8	2.5	0.06	0.06	0.39	20	0.02	0.059
PGL004 00+50N	Soil		1.36	36.11	34.55	61.2	99	37.0	17.1	1372	2.97	59.1	2.1	4.6	0.9	14.1	0.06	0.14	0.46	13	0.20	0.079
PGL004 01+00N	Soil		0.30	45.81	24.97	94.4	36	63.9	27.3	1488	4.79	54.9	0.4	13.1	4.8	4.9	0.06	0.17	0.38	22	0.03	0.048
PGL004 01+50N	Soil		0.39	31.88	17.51	76.9	45	43.4	15.7	897	4.29	126.1	0.6	16.3	2.4	2.4	0.04	0.17	0.38	18	0.01	0.062
PGL004 02+00N	Soil		0.34	72.20	25.21	101.7	65	68.1	32.7	1727	4.95	99.2	0.5	13.0	8.5	10.6	0.03	0.13	0.50	19	0.10	0.063
PGL004 02+50N	Soil		0.33	58.36	18.72	81.5	44	51.0	19.9	1119	4.73	108.2	0.5	12.6	3.0	4.0	0.05	0.13	0.39	19	0.02	0.053
PGL004 03+00N	Soil		0.28	46.36	19.07	87.7	44	54.1	18.3	1035	4.52	128.8	0.6	16.0	5.1	3.8	0.04	0.17	0.38	17	0.01	0.043
PGL004 03+50N	Soil		0.28	41.77	18.89	84.7	38	51.9	20.3	1182	4.52	164.7	0.5	17.9	4.9	2.9	0.04	0.13	0.40	18	0.01	0.049
PGL004 04+00N	Soil		0.36	28.11	15.99	59.7	43	31.0	11.6	731	3.32	105.7	0.8	10.2	2.1	2.8	0.04	0.24	0.27	13	0.01	0.053
PGL004 04+50N	Soil		0.44	37.15	24.35	77.3	33	41.1	18.3	1019	3.98	125.8	0.9	18.4	3.9	3.2	0.05	0.32	0.37	15	0.02	0.050
PGL004 05+00N	Soil		0.62	41.16	29.81	76.2	76	36.5	10.3	597	4.55	168.2	0.9	15.1	4.9	3.7	0.04	0.87	0.42	16	<0.01	0.067
PGL004 05+50N	Soil		1.07	42.47	31.70	93.6	133	51.1	36.0	1337	4.73	270.0	1.3	12.6	4.8	3.7	0.10	0.64	0.44	16	0.02	0.075
PGL004 06+00N	Soil		0.86	59.86	44.82	77.4	232	26.0	40.8	1148	4.63	75.6	2.0	4.1	3.9	6.5	0.11	0.89	0.55	16	0.01	0.109
PGL004 06+50N	Soil		0.49	15.94	13.48	26.1	105	10.8	2.7	121	2.29	13.7	0.8	2.2	0.9	4.2	0.01	0.24	0.25	14	<0.01	0.060
PGL004 07+00N	Soil		0.77	24.77	17.63	29.8	338	12.0	3.9	140	2.97	37.8	1.4	2.4	0.5	4.1	0.06	0.61	0.34	15	0.01	0.083
PGL004 07+50N	Soil		0.49	22.46	12.29	55.5	78	22.8	5.4	271	4.48	42.7	0.7	1.0	6.8	1.9	0.02	0.45	0.33	16	<0.01	0.050
PGL004 08+00N	Soil		0.68	14.15	12.75	29.9	229	10.7	2.6	136	3.83	32.3	0.5	2.9	1.8	3.2	0.06	0.42	0.35	22	<0.01	0.049
PGL005 00+00S	Soil		0.89	16.34	16.58	22.9	295	8.0	2.9	70	1.67	20.1	0.8	2.4	<0.1	4.8	0.08	0.61	0.29	15	0.01	0.058
PGL005 00+50S	Soil		0.41	19.04	13.85	17.8	1164	7.6	1.9	78	1.69	12.9	0.9	2.9	0.2	3.0	0.04	0.29	0.18	11	<0.01	0.065

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Vancouver BC V6C 1H2 Canada

Project: Reef
Report Date: September 27, 2012

CERTIFICATE OF ANALYSIS WHI12000838.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
PGL003 03+00S	Soil		17.6	31.8	0.81	42.2	0.004	<20	2.38	0.001	0.05	<0.1	1.8	0.13	0.02	21	0.5	0.06	6.8
PGL003 03+50S	Soil		20.9	33.2	0.91	26.7	0.002	<20	2.23	<0.001	0.04	<0.1	2.3	0.38	<0.02	31	0.4	0.13	6.2
PGL003 04+00S	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
PGL003 04+50S	Soil		13.8	29.9	1.18	15.7	<0.001	<20	2.41	<0.001	0.02	<0.1	3.0	0.05	0.03	18	0.3	0.12	6.4
PGL003 05+00S	Soil		7.3	27.4	0.86	25.7	0.002	<20	2.03	0.001	0.04	<0.1	1.8	0.07	0.07	20	0.3	0.09	5.7
PGL003 05+50S	Soil		10.7	21.1	0.57	23.1	0.006	<20	1.66	0.004	0.03	<0.1	1.0	0.17	0.04	33	0.2	0.11	5.7
PGL003 06+00S	Soil		15.5	21.7	0.61	24.9	0.005	<20	1.68	0.001	0.03	0.2	4.5	0.30	<0.02	51	0.7	0.13	5.0
PGL003 06+50S	Soil		13.5	28.2	1.15	77.1	0.003	<20	2.91	<0.001	0.04	<0.1	7.1	0.07	0.04	48	0.3	0.24	7.6
PGL003 07+00S	Soil		24.5	31.8	1.17	23.3	<0.001	<20	2.39	<0.001	0.03	<0.1	2.3	0.03	<0.02	16	<0.1	0.14	6.2
PGL003 07+50S	Soil		10.7	34.9	1.14	19.3	0.001	<20	2.19	<0.001	0.03	<0.1	2.5	0.04	0.04	12	0.3	0.21	5.7
PGL003 08+00S	Soil		12.0	36.3	0.48	35.7	0.011	<20	1.83	<0.001	0.03	<0.1	0.9	0.08	0.06	27	0.5	0.10	6.6
PGL004 00+00N	Soil		14.2	33.2	1.28	32.3	<0.001	<20	2.63	<0.001	0.03	<0.1	1.3	0.02	<0.02	19	<0.1	0.10	7.2
PGL004 00+50N	Soil		7.3	24.9	0.79	56.7	0.002	<20	2.00	0.005	0.04	<0.1	1.2	0.03	0.07	50	<0.1	0.07	5.4
PGL004 01+00N	Soil		18.0	49.5	1.43	44.2	<0.001	<20	2.80	<0.001	0.05	<0.1	2.3	<0.02	<0.02	10	<0.1	0.11	7.5
PGL004 01+50N	Soil		16.5	34.6	1.04	41.9	0.001	<20	2.34	<0.001	0.05	<0.1	1.3	0.03	0.02	16	<0.1	0.07	6.6
PGL004 02+00N	Soil		27.7	38.2	1.51	30.0	<0.001	<20	2.85	<0.001	0.06	<0.1	2.5	<0.02	<0.02	7	<0.1	0.14	7.4
PGL004 02+50N	Soil		15.3	35.9	1.32	45.3	<0.001	<20	2.69	<0.001	0.06	<0.1	1.9	0.02	<0.02	<5	<0.1	0.17	7.1
PGL004 03+00N	Soil		23.8	34.3	1.22	47.9	0.001	<20	2.56	<0.001	0.05	<0.1	1.8	0.02	<0.02	16	<0.1	0.06	6.9
PGL004 03+50N	Soil		21.8	32.7	1.28	36.4	0.001	<20	2.54	<0.001	0.05	<0.1	1.7	<0.02	<0.02	11	<0.1	0.10	7.2
PGL004 04+00N	Soil		13.3	23.4	0.75	26.8	0.003	<20	1.86	0.006	0.04	<0.1	1.1	0.03	<0.02	22	<0.1	0.09	5.2
PGL004 04+50N	Soil		14.7	29.6	0.84	36.2	0.002	<20	2.07	0.004	0.04	<0.1	1.4	0.04	0.02	13	<0.1	0.09	5.9
PGL004 05+00N	Soil		16.3	26.6	0.85	28.9	0.001	<20	1.97	0.002	0.04	<0.1	1.5	0.11	0.03	23	0.1	0.08	6.1
PGL004 05+50N	Soil		15.4	29.6	0.80	28.6	0.002	<20	2.02	<0.001	0.04	<0.1	1.2	0.13	0.03	23	0.3	0.10	6.0
PGL004 06+00N	Soil		11.3	27.7	0.46	50.0	0.002	<20	1.85	0.004	0.05	0.1	1.2	0.34	0.07	27	0.2	0.12	5.8
PGL004 06+50N	Soil		16.2	16.8	0.29	37.6	0.002	<20	1.08	0.004	0.04	<0.1	0.5	0.09	0.02	37	<0.1	<0.02	5.5
PGL004 07+00N	Soil		9.8	18.1	0.25	32.0	0.005	<20	1.12	0.009	0.04	0.1	0.4	0.10	0.05	42	<0.1	0.06	4.6
PGL004 07+50N	Soil		27.3	27.1	0.63	26.3	0.001	<20	1.58	0.002	0.03	<0.1	1.4	0.06	<0.02	6	<0.1	0.10	6.2
PGL004 08+00N	Soil		23.1	21.1	0.32	27.7	0.005	<20	1.09	0.002	0.03	<0.1	0.9	0.08	0.02	16	0.1	0.11	6.1
PGL005 00+00S	Soil		20.5	9.9	0.07	27.1	0.003	<20	0.46	0.008	0.03	0.1	0.2	0.11	0.03	33	<0.1	0.06	4.4
PGL005 00+50S	Soil		10.5	9.9	0.20	19.5	0.006	<20	1.30	0.010	0.02	<0.1	0.4	0.10	0.04	50	0.2	0.05	4.5

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Project: Reef
Report Date: September 27, 2012

CERTIFICATE OF ANALYSIS WHI12000838.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
PGL005 01+00S	Soil		0.45	29.60	16.74	25.7	983	11.7	3.0	113	2.19	22.2	1.9	2.6	0.3	2.8	0.03	0.22	0.27	12	0.01	0.068
PGL005 01+50S	Soil		0.44	19.53	20.71	55.3	153	23.9	9.2	311	3.41	36.3	0.8	5.7	4.0	3.5	0.17	0.65	0.26	14	0.02	0.051
PGL005 02+00S	Soil		0.36	3.48	4.64	6.2	277	3.0	0.9	22	0.60	6.4	0.3	8.8	<0.1	2.5	0.04	0.14	0.07	7	<0.01	0.023
PGL005 02+50S	Soil		0.62	9.49	7.77	14.5	82	5.2	1.5	51	1.49	12.4	0.5	0.6	0.2	2.6	0.02	0.23	0.23	20	<0.01	0.035
PGL005 03+00S	Soil		0.57	19.82	30.41	49.7	1047	21.7	4.9	198	3.00	17.3	1.7	6.4	2.0	3.9	0.05	0.20	0.37	14	0.01	0.050
PGL005 03+50S	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
PGL005 04+00S	Soil		1.06	84.12	50.25	124.2	101	47.6	30.0	807	4.82	79.2	2.6	7.4	6.2	4.6	0.08	0.53	0.66	16	0.06	0.067
PGL005 04+50S	Soil		1.16	55.55	35.06	53.8	122	14.1	6.5	215	3.97	89.7	2.2	3.8	4.8	3.8	0.03	0.45	0.37	13	0.03	0.089
PGL005 05+00S	Soil		0.72	140.9	41.11	128.8	83	98.7	47.5	1144	5.55	103.9	2.1	7.8	13.6	5.8	0.06	0.44	0.47	18	0.02	0.070
PGL005 05+50S	Soil		1.26	30.10	18.65	38.9	54	12.4	3.8	174	5.41	145.4	0.6	7.2	2.4	2.3	0.04	4.79	0.50	20	<0.01	0.084
PGL005 06+00S	Soil		1.19	60.49	71.87	65.8	130	23.1	8.7	432	8.96	131.4	1.1	39.7	7.6	2.4	0.06	3.24	0.53	16	<0.01	0.135
PGL005 06+50S	Soil		1.14	46.37	45.97	82.3	922	37.2	17.9	960	4.14	62.7	5.0	46.9	5.2	6.8	0.07	2.70	0.70	15	0.07	0.065
PGL005 07+00S	Soil		0.67	31.88	24.72	58.2	35	22.9	12.1	626	3.27	81.3	0.8	5.9	2.1	4.1	0.04	0.55	0.37	22	0.03	0.055
PGL005 07+50S	Soil		0.89	44.93	43.12	65.2	122	27.0	15.6	691	4.22	36.5	0.9	1.5	3.4	7.0	0.02	0.35	0.50	19	0.03	0.093
PGL005 08+00S	Soil		0.77	36.50	31.04	79.6	80	39.1	21.1	2905	4.48	35.7	0.5	5.2	2.8	2.6	0.11	0.56	0.53	17	0.03	0.056
PGL005 08+50S	Soil		0.61	60.55	34.41	68.1	95	30.9	16.4	727	3.03	62.5	2.0	6.8	2.5	8.8	0.05	0.17	0.34	13	0.10	0.066
PGL005 09+00S	Soil		0.63	76.60	45.35	100.3	116	46.8	30.0	1374	4.29	63.8	10.1	12.7	6.0	22.9	0.11	0.22	0.48	16	0.26	0.060
PGL006 00+00N	Soil		0.81	127.7	74.81	94.1	78	49.8	43.5	2560	4.85	17.5	1.7	1.4	7.2	9.8	0.10	0.12	0.78	20	0.13	0.058
PGL006 00+50N	Soil		0.65	57.22	69.38	98.6	224	32.9	32.1	1551	4.92	763.2	1.4	68.4	2.2	3.5	0.17	0.91	0.63	16	0.04	0.114
PGL006 01+00N	Soil		0.66	56.24	72.05	100.8	268	33.7	31.7	1554	4.90	778.5	1.4	42.7	2.1	4.2	0.18	0.92	0.62	16	0.04	0.122
PGL006 01+50N	Soil		0.57	26.97	18.11	52.7	155	18.6	6.9	390	2.94	59.1	1.1	2.1	0.8	3.3	0.06	0.40	0.23	13	0.02	0.079
PGL006 02+00N	Soil		0.65	51.70	16.40	68.6	210	31.8	10.9	582	3.53	96.5	8.8	5.0	2.4	26.3	0.05	0.39	0.48	20	0.74	0.177
PGL006 02+50N	Soil		0.69	28.60	17.11	58.5	122	29.5	10.2	473	3.63	23.1	0.7	2.2	0.9	2.8	0.05	0.19	0.27	17	0.02	0.099
PGL006 03+00N	Soil		0.38	25.37	11.00	47.5	35	24.0	8.9	530	2.64	14.4	0.5	2.1	1.4	3.5	0.02	0.19	0.15	12	0.03	0.052
PGL006 03+50N	Soil		0.64	62.53	23.45	111.4	36	69.0	27.8	2536	4.57	34.8	1.7	3.9	3.1	3.7	0.07	0.19	0.29	19	0.01	0.066
PGL006 04+00N	Soil		0.43	21.93	16.94	32.3	368	13.9	9.3	347	1.63	38.9	1.3	15.3	0.2	2.9	0.04	0.40	0.07	7	0.02	0.052
PGL006 04+50N	Soil		0.48	24.60	26.38	23.0	841	9.8	3.9	120	1.44	18.8	3.7	3.0	0.4	3.3	0.03	0.53	0.13	7	0.04	0.084
PGL006 05+00N	Soil		0.64	26.70	24.25	44.5	443	20.2	19.8	709	2.20	54.4	1.8	7.0	0.6	3.1	0.05	0.57	0.13	9	0.02	0.067
PGL006 05+50N	Soil		0.72	24.74	22.43	67.3	263	19.6	38.5	3044	4.24	26.4	1.7	3.1	0.9	4.9	0.62	0.41	0.19	12	0.02	0.074
PGL006 06+00N	Soil		0.89	43.61	41.47	62.8	159	22.8	7.2	237	6.17	31.0	0.9	5.6	9.1	2.4	0.02	0.51	0.41	16	<0.01	0.073

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		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
PGL005 01+00S	Soil		10.8	15.2	0.31	16.5	0.003	<20	0.92	0.009	0.03	<0.1	0.3	0.72	0.04	51	0.2	<0.02	4.3
PGL005 01+50S	Soil		16.3	27.0	0.58	37.0	0.002	<20	1.46	0.004	0.04	0.1	1.2	0.15	0.03	20	<0.1	0.08	5.2
PGL005 02+00S	Soil		7.4	3.6	0.04	14.2	0.004	<20	0.38	0.014	0.02	<0.1	0.2	0.07	0.02	11	<0.1	<0.02	2.6
PGL005 02+50S	Soil		22.2	7.4	0.08	24.0	0.006	<20	0.63	0.004	0.02	<0.1	0.3	0.10	0.02	17	<0.1	0.04	6.7
PGL005 03+00S	Soil		16.1	26.5	0.59	43.2	0.004	<20	1.91	0.004	0.05	<0.1	1.1	0.16	0.04	53	0.4	<0.02	6.2
PGL005 03+50S	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
PGL005 04+00S	Soil		15.6	29.5	0.97	32.9	0.001	<20	2.38	<0.001	0.02	<0.1	2.3	0.08	0.03	23	0.2	0.11	6.1
PGL005 04+50S	Soil		11.1	18.7	0.36	21.2	0.006	<20	1.30	0.010	0.04	0.1	1.2	0.05	0.04	23	0.4	0.06	4.7
PGL005 05+00S	Soil		20.0	38.5	1.11	39.9	0.001	<20	2.69	<0.001	0.06	<0.1	3.0	0.06	0.02	30	0.3	0.12	6.8
PGL005 05+50S	Soil		18.6	19.2	0.24	20.6	0.006	<20	0.95	0.001	0.02	0.2	0.7	0.35	0.03	37	0.6	0.15	5.8
PGL005 06+00S	Soil		12.2	24.5	0.37	20.2	0.005	<20	1.38	0.004	0.03	0.1	1.5	0.66	0.04	39	0.5	0.15	6.4
PGL005 06+50S	Soil		20.0	18.9	0.50	34.9	<0.001	<20	1.69	0.003	0.04	<0.1	4.0	1.26	0.03	63	0.3	0.13	5.3
PGL005 07+00S	Soil		13.7	20.2	0.54	21.2	0.012	<20	1.55	0.006	0.03	<0.1	1.5	0.06	0.02	18	0.1	0.06	5.4
PGL005 07+50S	Soil		10.5	26.3	0.60	30.5	0.004	<20	1.78	0.004	0.03	<0.1	1.1	0.04	0.02	18	<0.1	0.03	7.2
PGL005 08+00S	Soil		10.8	28.1	1.38	17.0	<0.001	<20	2.59	<0.001	0.02	<0.1	1.6	0.03	<0.02	34	<0.1	0.13	5.9
PGL005 08+50S	Soil		9.8	21.5	0.71	30.6	0.003	<20	1.89	0.010	0.03	<0.1	1.6	0.03	0.02	18	0.2	0.09	4.7
PGL005 09+00S	Soil		12.0	29.6	1.28	29.2	0.001	<20	2.44	<0.001	0.03	<0.1	2.3	0.02	0.04	12	0.5	0.10	6.1
PGL006 00+00N	Soil		13.6	33.3	1.67	44.5	0.001	<20	3.05	0.001	0.02	<0.1	2.5	0.03	<0.02	25	<0.1	0.12	7.7
PGL006 00+50N	Soil		10.3	23.0	0.63	29.0	0.002	<20	1.91	0.004	0.03	<0.1	1.1	0.08	0.07	37	0.1	0.09	5.5
PGL006 01+00N	Soil		9.9	24.5	0.63	30.5	0.002	<20	1.88	0.003	0.04	<0.1	1.2	0.08	0.07	52	0.2	0.10	5.4
PGL006 01+50N	Soil		8.5	17.4	0.45	26.2	0.004	<20	1.59	0.011	0.03	0.2	0.7	0.04	0.05	17	0.2	0.02	4.3
PGL006 02+00N	Soil		11.2	26.1	0.80	71.9	0.006	<20	2.48	0.006	0.05	<0.1	2.6	0.06	0.14	21	0.4	0.13	6.4
PGL006 02+50N	Soil		13.5	26.3	0.79	36.5	0.002	<20	2.14	0.005	0.05	<0.1	0.8	0.05	0.05	29	0.3	0.06	6.2
PGL006 03+00N	Soil		12.3	16.9	0.54	24.3	0.006	<20	1.56	0.013	0.04	<0.1	1.2	0.03	<0.02	9	<0.1	0.07	4.4
PGL006 03+50N	Soil		16.2	32.0	1.21	47.2	0.002	<20	2.65	0.001	0.05	<0.1	2.1	0.04	0.03	16	<0.1	0.06	6.8
PGL006 04+00N	Soil		6.3	10.2	0.32	10.4	0.005	<20	0.93	0.018	0.02	<0.1	0.5	0.28	0.04	14	0.1	0.03	3.3
PGL006 04+50N	Soil		5.8	8.7	0.19	10.6	0.007	<20	1.15	0.016	0.03	<0.1	0.6	0.25	0.07	49	0.3	<0.02	2.6
PGL006 05+00N	Soil		7.7	15.4	0.41	12.4	0.004	<20	1.24	0.017	0.03	<0.1	0.5	0.41	0.05	20	0.2	0.03	3.8
PGL006 05+50N	Soil		9.9	13.8	0.21	58.4	0.006	<20	1.31	0.016	0.05	0.1	0.7	0.21	0.07	51	0.2	0.05	3.8
PGL006 06+00N	Soil		20.7	28.5	0.47	19.8	0.001	<20	1.52	0.003	0.05	0.2	1.5	0.11	0.04	34	0.4	0.06	5.5

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Project: Reef
Report Date: September 27, 2012

CERTIFICATE OF ANALYSIS WHI12000838.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
PGL006 06+50N	Soil		0.74	24.95	16.53	248.9	192	10.0	95.7	2996	31.75	159.3	4.9	7.3	4.0	2.5	0.03	0.56	0.10	11	<0.01	0.049
PGL006 07+00N	Soil		0.58	62.02	27.33	49.8	1974	19.8	4.6	191	4.19	47.0	4.0	7.6	3.8	2.8	<0.01	0.56	0.19	14	0.01	0.057
PGL006 07+50N	Soil		0.86	62.70	28.60	38.5	2060	17.2	4.1	163	3.86	37.7	3.1	7.5	1.8	3.9	0.03	0.81	0.43	16	0.01	0.111
PGL006 08+00N	Soil		0.91	23.70	30.34	41.5	429	16.0	4.3	179	4.31	30.7	0.7	2.6	0.7	4.5	0.03	0.54	0.33	22	<0.01	0.072
PGL006 08+50N	Soil		0.57	8.80	13.31	10.5	456	5.6	1.1	48	1.29	8.5	0.4	1.8	0.2	4.1	0.01	0.20	0.13	11	<0.01	0.043
PGL006 09+00N	Soil		0.70	16.32	24.44	33.8	317	14.8	4.0	169	3.04	23.1	0.8	2.3	1.6	3.2	0.05	0.59	0.27	18	<0.01	0.058
PGL007 00+00S	Soil		0.99	28.47	28.57	66.6	88	24.7	6.0	393	5.44	42.4	1.1	1.6	10.1	4.4	0.03	0.38	0.37	23	0.01	0.047
PGL007 00+50S	Soil		0.66	23.59	24.40	46.4	147	17.9	5.3	232	3.06	31.5	1.0	3.3	0.9	6.4	0.05	0.27	0.25	16	0.01	0.049
PGL007 01+00S	Soil		1.04	19.34	23.74	35.4	78	10.7	3.0	140	4.23	34.2	0.7	2.4	2.8	3.1	0.03	0.53	0.34	19	<0.01	0.063
PGL007 01+50S	Soil		0.74	9.25	15.06	12.0	252	3.8	1.1	33	1.00	13.3	0.4	1.2	<0.1	3.6	0.03	0.27	0.15	10	<0.01	0.045
PGL007 02+00S	Soil		0.48	15.25	12.78	8.1	521	2.8	0.8	24	1.28	10.7	1.1	2.4	<0.1	2.9	0.04	0.25	0.07	6	0.01	0.036
PGL007 02+50S	Soil		0.83	38.62	27.81	34.2	1295	9.8	2.7	105	4.51	30.6	1.6	4.1	1.2	3.2	0.02	0.53	0.31	15	0.01	0.075
PGL007 03+00S	Soil		0.68	39.94	10.91	94.2	659	5.8	1.8	61	17.49	58.6	0.8	2.5	1.7	2.4	0.04	0.37	0.04	10	0.02	0.062
PGL007 03+50S	Soil		0.66	24.24	18.77	43.9	1742	12.4	2.6	105	6.87	62.7	0.9	2.3	2.0	2.7	0.01	0.40	0.21	15	<0.01	0.058
PGL007 04+00S	Soil		0.67	29.42	25.02	64.2	267	19.4	10.8	451	4.94	44.4	1.2	6.5	4.5	2.5	0.01	0.62	0.25	14	<0.01	0.054
PGL007 04+50S	Soil		1.06	55.20	55.00	129.3	254	60.1	39.6	1842	4.45	140.9	3.3	13.5	3.2	10.2	0.29	1.03	0.36	14	0.14	0.085
PGL007 05+00S	Soil		0.68	30.20	57.16	70.3	67	23.4	10.6	349	2.91	175.8	0.8	16.5	0.8	4.0	0.07	0.47	0.36	15	0.03	0.058
PGL007 05+50S	Soil		0.87	90.53	72.37	158.9	92	49.9	42.3	1181	4.96	131.6	1.7	5.8	10.6	9.2	0.11	0.39	0.77	17	0.28	0.053
PGL007 06+00S	Soil		0.50	72.95	84.96	74.0	418	42.9	67.1	2678	4.07	2456	2.3	585.2	15.3	18.6	0.19	0.33	0.35	13	0.48	0.066
PGL007 06+50S	Soil		0.71	49.21	37.15	90.7	228	49.2	23.3	936	5.10	37.7	1.2	3.4	4.3	3.4	0.07	0.20	0.45	21	0.02	0.061
PGL007 07+00S	Soil		0.46	51.96	26.09	82.6	62	42.0	16.7	1225	4.52	47.5	0.6	7.8	2.8	2.6	0.05	0.80	0.52	17	0.02	0.074
PGL007 07+50S	Soil		0.34	40.01	17.44	82.4	19	45.7	17.7	843	4.35	25.8	0.5	2.9	6.1	2.8	0.03	0.25	0.34	18	0.03	0.036
PGL007 08+00S	Soil		0.45	26.26	13.08	44.7	41	22.4	7.3	388	2.32	37.7	0.5	4.6	0.9	3.7	0.02	0.24	0.24	11	0.04	0.053
PGL007 08+50S	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
PGL007 09+00S	Soil		0.96	31.92	26.80	79.0	76	39.9	22.3	1685	4.14	23.9	0.6	1.5	1.6	9.2	0.07	0.20	0.51	17	0.10	0.107
PGL007 09+50S	Soil		0.80	43.74	39.84	74.6	43	38.4	33.1	2524	4.69	34.5	0.8	1.9	1.9	2.7	0.06	0.14	0.60	19	0.02	0.099
PGL007 10+00S	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
PGL008 00+00N	Soil		0.78	77.53	21.51	81.6	22	52.4	17.6	1134	4.14	39.5	1.1	7.0	6.1	4.0	0.02	0.15	0.32	16	0.03	0.023
PGL008 00+50N	Soil		1.24	54.22	11.64	23.8	110	10.1	4.8	512	1.37	12.3	1.2	0.6	0.1	7.9	0.02	0.11	0.19	10	0.09	0.121
PGL008 01+00N	Soil		0.39	19.75	9.61	43.3	31	25.8	9.2	523	2.92	14.1	0.4	0.6	1.2	2.1	0.02	0.12	0.23	14	0.01	0.055

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Project: Reef
Report Date: September 27, 2012

CERTIFICATE OF ANALYSIS WHI12000838.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
PGL006 06+50N	Soil	4.9	12.0	0.06	16.1	0.010	<20	0.94	0.010	0.03	<0.1	1.4	0.54	0.19	44	0.7	<0.02	2.6
PGL006 07+00N	Soil	18.8	22.5	0.48	12.5	0.003	<20	1.59	0.005	0.03	0.1	1.3	0.56	0.05	72	0.3	0.03	4.8
PGL006 07+50N	Soil	11.6	26.7	0.37	18.2	0.003	<20	1.69	0.008	0.05	0.1	0.8	0.45	0.08	87	0.3	0.13	5.1
PGL006 08+00N	Soil	16.6	23.1	0.36	24.5	0.006	<20	1.24	0.005	0.03	0.1	0.5	0.07	0.03	34	0.2	0.05	6.2
PGL006 08+50N	Soil	17.5	8.4	0.08	26.5	0.003	<20	0.62	0.010	0.02	<0.1	0.3	0.09	0.02	35	0.2	0.02	4.9
PGL006 09+00N	Soil	25.4	18.8	0.35	16.4	0.003	<20	1.04	0.002	0.02	0.1	0.6	0.09	0.02	55	0.1	0.07	6.1
PGL007 00+00S	Soil	37.4	33.2	0.79	21.7	0.007	<20	2.16	<0.001	0.02	0.1	1.6	0.07	<0.02	10	0.2	0.09	7.2
PGL007 00+50S	Soil	20.4	19.6	0.43	25.4	0.004	<20	1.40	0.005	0.03	<0.1	0.5	0.09	0.02	31	0.2	0.03	4.9
PGL007 01+00S	Soil	23.3	18.4	0.25	23.6	0.005	<20	1.19	0.005	0.03	0.1	0.8	0.07	<0.02	27	0.3	0.12	5.5
PGL007 01+50S	Soil	13.1	7.0	0.04	15.5	0.002	<20	0.34	0.013	0.03	0.1	0.2	0.12	0.03	27	0.1	0.09	2.9
PGL007 02+00S	Soil	3.9	5.1	0.04	12.3	0.005	<20	0.39	0.021	0.02	<0.1	0.2	0.16	0.03	30	0.2	<0.02	2.8
PGL007 02+50S	Soil	12.8	18.1	0.23	26.0	0.005	<20	1.21	0.009	0.04	0.1	0.8	0.27	0.05	56	0.2	0.06	5.0
PGL007 03+00S	Soil	3.3	10.5	0.01	10.8	0.009	<20	0.41	0.012	0.03	0.1	0.4	0.13	0.13	35	0.3	<0.02	2.4
PGL007 03+50S	Soil	13.7	17.8	0.23	13.7	0.004	<20	0.84	0.008	0.04	0.2	0.7	0.62	0.05	63	0.3	0.03	4.8
PGL007 04+00S	Soil	18.6	23.6	0.55	18.1	0.002	<20	1.52	0.004	0.04	0.1	1.0	0.28	0.03	27	0.2	0.05	4.6
PGL007 04+50S	Soil	11.5	29.1	0.79	26.0	0.002	<20	1.86	0.002	0.04	0.1	1.6	0.18	0.07	34	0.2	0.09	5.0
PGL007 05+00S	Soil	9.5	21.1	0.49	17.0	0.002	<20	1.26	0.006	0.02	<0.1	0.6	0.03	0.04	24	<0.1	0.02	5.1
PGL007 05+50S	Soil	18.3	32.1	1.24	36.1	<0.001	<20	2.58	0.002	0.03	<0.1	2.8	0.04	<0.02	13	<0.1	0.06	7.2
PGL007 06+00S	Soil	10.2	28.8	0.79	43.7	<0.001	<20	2.09	<0.001	0.02	<0.1	2.2	0.05	0.03	41	<0.1	0.11	5.3
PGL007 06+50S	Soil	18.8	35.1	1.12	33.7	0.001	<20	2.64	<0.001	0.04	<0.1	1.4	0.04	0.02	23	0.1	0.13	7.8
PGL007 07+00S	Soil	10.7	31.1	0.97	38.4	0.001	<20	2.22	<0.001	0.03	<0.1	1.6	0.02	0.02	21	0.1	0.12	6.0
PGL007 07+50S	Soil	20.1	31.5	1.24	19.8	0.001	<20	2.42	<0.001	0.02	<0.1	1.7	<0.02	<0.02	<5	<0.1	0.04	6.7
PGL007 08+00S	Soil	5.9	17.1	0.57	26.4	0.004	<20	1.46	0.008	0.02	<0.1	0.8	0.02	0.02	11	<0.1	0.02	4.4
PGL007 08+50S	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
PGL007 09+00S	Soil	7.9	32.9	0.99	21.7	0.002	<20	2.24	<0.001	0.03	<0.1	1.0	0.02	0.04	24	0.1	0.11	6.3
PGL007 09+50S	Soil	6.5	28.6	0.66	22.4	0.003	<20	1.93	0.001	0.03	<0.1	1.5	<0.02	0.05	23	0.1	0.09	4.9
PGL007 10+00S	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
PGL008 00+00N	Soil	13.5	33.3	1.04	27.5	<0.001	<20	2.25	<0.001	0.03	<0.1	1.9	<0.02	<0.02	9	<0.1	0.04	5.7
PGL008 00+50N	Soil	4.0	14.6	0.23	49.8	0.004	<20	0.83	0.013	0.02	<0.1	0.5	0.02	0.06	14	0.1	0.04	3.1
PGL008 01+00N	Soil	6.3	22.9	0.61	22.8	0.003	<20	1.61	0.005	0.02	<0.1	1.0	0.02	0.03	31	0.1	0.09	4.9

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Client: **Precipitate Gold Corp.**
860 - 789 West Pender St.
Vancouver BC V6C 1H2 Canada

Project: Reef
Report Date: September 27, 2012

CERTIFICATE OF ANALYSIS WHI12000838.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
PGL008 01+50N	Soil		0.54	70.22	32.46	86.5	59	48.0	23.2	1155	4.25	31.7	0.7	1.8	6.4	4.5	0.01	0.30	0.54	17	0.04	0.037
PGL008 02+00N	Soil		0.41	62.93	27.40	88.8	25	50.2	22.2	955	4.47	35.1	0.9	4.9	8.7	4.2	0.03	0.30	0.41	17	0.04	0.035
PGL008 02+50N	Soil		0.46	52.98	26.36	84.6	62	44.4	25.1	1225	4.17	31.7	0.6	3.5	3.9	3.7	0.04	0.39	0.44	17	0.04	0.057
PGL008 03+00N	Soil		0.96	48.31	40.98	72.3	109	44.0	18.6	1189	3.67	31.0	1.1	2.4	3.7	14.1	0.11	1.76	0.37	7	0.39	0.079
PGL008 03+50N	Soil		1.29	66.75	59.55	112.0	141	76.6	30.9	2606	6.07	52.4	1.5	2.7	9.6	22.9	0.20	2.38	0.56	7	0.83	0.097
PGL008 04+00N	Soil		2.06	85.62	86.48	103.9	84	63.4	55.7	3988	6.73	195.6	2.3	6.7	7.0	11.3	0.25	1.82	1.44	16	0.21	0.070
PGL008 04+50N	Soil		1.42	75.19	51.93	155.5	356	72.1	31.6	1174	4.60	108.5	11.8	10.8	6.5	20.5	0.15	1.04	0.50	14	0.39	0.063
PGL008 05+00N	Soil		1.21	82.92	46.32	94.9	473	44.8	88.3	2599	4.33	117.4	3.8	11.6	4.5	3.7	0.10	0.98	0.39	13	0.04	0.098
PGL008 05+50N	Soil		0.12	3.76	8.54	152.1	70	2.7	2.9	70	>40	7.5	0.5	<0.2	0.3	<0.5	<0.01	0.05	<0.02	<2	<0.01	0.007
PGL008 06+00N	Soil		0.20	12.36	12.26	106.0	182	2.2	1.6	44	39.67	5.6	3.0	2.2	1.4	0.7	<0.01	0.13	<0.02	3	<0.01	0.021
PGL008 06+50N	Soil		0.49	16.29	12.09	104.4	121	3.6	1.6	37	20.36	48.8	2.3	5.0	4.2	0.9	<0.01	0.71	0.19	10	<0.01	0.037
PGL008 07+00N	Soil		0.71	14.43	17.55	31.4	489	9.9	1.9	86	3.70	26.3	0.8	3.9	1.5	1.8	0.03	0.54	0.23	12	<0.01	0.057
PGL008 07+50N	Soil		0.50	9.00	11.76	9.5	97	2.9	1.1	44	1.17	15.5	0.4	0.6	<0.1	3.7	0.01	0.25	0.18	12	<0.01	0.043
PGL008 08+00N	Soil		0.58	15.41	20.85	45.4	118	19.6	4.6	251	3.88	32.6	0.5	1.7	2.6	3.3	0.02	0.40	0.25	15	<0.01	0.049
PGL009 00+00S	Soil		1.14	32.69	18.35	30.4	260	11.5	2.6	138	4.42	76.8	0.6	3.1	4.6	1.4	0.02	1.36	0.53	17	<0.01	0.062
PGL009 00+50S	Soil		0.79	50.30	34.50	58.0	175	24.8	6.0	260	4.85	81.5	0.9	8.3	5.5	3.0	<0.01	0.89	0.48	15	<0.01	0.066
PGL009 01+00S	Soil		0.91	32.37	15.99	40.1	251	14.0	3.6	153	5.18	52.2	0.5	2.6	2.2	2.5	0.02	0.71	0.46	23	<0.01	0.057
PGL009 01+50S	Soil		1.00	54.55	35.50	50.3	722	14.6	3.4	123	5.42	62.4	1.2	5.8	1.3	5.6	0.07	1.52	0.51	19	0.02	0.098
PGL009 02+00S	Soil		0.56	21.88	13.70	62.3	82	26.3	6.4	304	3.91	66.1	0.6	113.8	4.5	1.7	0.03	0.48	0.22	13	<0.01	0.046
PGL009 02+50S	Soil		0.67	27.38	21.28	64.9	72	27.1	7.8	387	3.20	70.6	0.9	8.7	1.6	3.4	0.07	0.53	0.21	13	0.02	0.081
PGL009 03+00S	Soil		0.44	39.22	18.43	88.4	31	43.2	15.0	645	4.02	46.7	1.1	7.4	6.9	5.7	0.06	0.39	0.26	15	0.08	0.026
PGL009 03+50S	Soil		0.62	46.96	40.94	95.1	31	48.5	26.0	2004	5.60	42.0	1.2	2.0	6.5	6.4	0.10	0.65	0.55	17	0.09	0.058
PGL009 04+00S	Soil		0.74	37.35	19.14	47.1	99	23.6	9.5	396	2.37	19.3	0.8	2.2	0.8	6.7	0.05	0.45	0.26	12	0.07	0.064
PGL009 04+50S	Soil		0.90	65.19	41.10	91.1	27	52.4	29.1	1010	4.80	50.1	0.9	1.4	4.2	3.0	0.06	0.65	0.69	20	0.03	0.056
PGL009 05+00S	Soil		0.32	35.66	16.15	80.1	23	44.6	17.1	901	4.44	23.9	0.5	1.1	3.2	2.4	0.07	0.17	0.36	19	0.01	0.052
PGL009 05+50S	Soil		0.92	17.54	21.52	37.7	168	13.3	7.2	838	2.48	11.7	0.7	5.6	0.3	5.6	0.08	0.19	0.21	15	0.02	0.119
PGL009 06+00S	Soil		1.07	36.58	28.64	51.2	58	23.2	13.4	1227	3.09	14.3	0.7	0.2	0.5	4.1	0.06	0.23	0.38	25	0.02	0.079
PGL009 06+50S	Soil		0.47	10.08	7.73	13.1	47	5.6	3.1	491	0.79	6.4	0.4	0.3	<0.1	8.1	0.02	0.09	0.09	7	0.09	0.049
PGL009 07+00S	Soil		1.04	21.06	27.31	30.8	42	9.8	6.3	498	1.54	57.1	9.0	2.9	0.5	16.6	0.05	0.27	0.35	13	0.13	0.091

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Project: Reef
Report Date: September 27, 2012

CERTIFICATE OF ANALYSIS WHI12000838.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
PGL008 01+50N	Soil		15.5	32.8	1.11	25.8	<0.001	<20	2.21	<0.001	0.03	<0.1	2.4	<0.02	<0.02	9	<0.1	0.10	6.0
PGL008 02+00N	Soil		22.7	33.3	1.25	27.3	0.001	<20	2.54	<0.001	0.04	<0.1	2.1	<0.02	<0.02	<5	<0.1	0.08	6.7
PGL008 02+50N	Soil		14.2	28.8	1.15	24.8	0.001	<20	2.35	0.003	0.03	<0.1	1.8	<0.02	<0.02	13	<0.1	0.08	6.2
PGL008 03+00N	Soil		12.0	11.3	0.36	29.1	0.005	<20	1.19	0.009	0.02	<0.1	3.3	0.05	0.04	38	0.2	<0.02	2.9
PGL008 03+50N	Soil		22.8	17.0	0.48	37.7	0.001	<20	1.46	0.002	0.02	<0.1	7.8	0.05	0.03	46	0.4	0.10	2.7
PGL008 04+00N	Soil		17.8	27.6	0.86	52.3	0.001	<20	2.25	0.002	0.03	<0.1	6.2	0.08	0.02	32	0.3	0.42	6.0
PGL008 04+50N	Soil		9.4	30.5	0.87	20.2	0.001	<20	2.01	0.001	0.03	<0.1	2.4	0.07	0.06	25	0.8	0.08	5.4
PGL008 05+00N	Soil		14.1	28.3	0.67	22.4	0.002	<20	2.18	0.003	0.03	<0.1	1.8	0.45	0.08	30	0.3	0.07	4.4
PGL008 05+50N	Soil		<0.5	3.4	<0.01	0.7	0.002	<20	0.15	0.003	<0.01	<0.1	0.4	0.06	1.07	<5	0.1	<0.02	0.3
PGL008 06+00N	Soil		0.8	2.9	0.01	1.5	0.004	<20	0.30	0.003	<0.01	<0.1	0.5	0.10	0.77	30	0.5	<0.02	0.8
PGL008 06+50N	Soil		5.6	11.3	<0.01	2.7	0.004	<20	0.38	0.004	0.02	<0.1	0.5	0.13	0.25	10	0.5	0.02	3.2
PGL008 07+00N	Soil		11.9	17.6	0.22	12.1	0.003	<20	0.83	0.007	0.03	0.1	0.6	0.16	0.04	37	0.1	0.06	4.0
PGL008 07+50N	Soil		16.5	6.2	0.03	21.8	0.003	<20	0.42	0.008	0.02	<0.1	0.2	0.07	<0.02	10	<0.1	0.03	3.9
PGL008 08+00N	Soil		21.0	22.7	0.55	20.0	0.003	<20	1.48	0.003	0.03	0.1	1.0	0.05	<0.02	11	<0.1	0.03	5.6
PGL009 00+00S	Soil		21.7	21.6	0.32	18.3	0.003	<20	0.94	0.003	0.03	0.1	1.0	0.09	<0.02	10	0.4	0.15	6.1
PGL009 00+50S	Soil		18.9	23.7	0.61	20.6	0.002	<20	1.65	0.002	0.04	<0.1	1.3	0.13	0.03	16	0.3	0.15	5.5
PGL009 01+00S	Soil		16.6	25.3	0.34	26.0	0.006	<20	1.28	0.002	0.03	0.1	0.9	0.08	0.02	32	0.2	0.06	6.7
PGL009 01+50S	Soil		10.1	21.7	0.21	35.3	0.004	<20	1.16	0.007	0.05	0.2	0.6	0.21	0.06	26	0.3	0.11	5.5
PGL009 02+00S	Soil		16.2	25.9	0.73	30.4	0.002	<20	1.84	0.001	0.03	<0.1	1.2	0.06	<0.02	9	0.1	0.06	5.2
PGL009 02+50S	Soil		11.4	25.0	0.61	36.8	0.002	<20	1.56	0.004	0.04	<0.1	0.7	0.09	0.04	24	<0.1	0.07	5.1
PGL009 03+00S	Soil		22.2	30.5	0.94	36.9	0.001	<20	2.14	0.001	0.03	<0.1	2.0	0.03	<0.02	<5	0.1	0.11	5.7
PGL009 03+50S	Soil		12.5	29.5	0.92	44.3	0.003	<20	2.42	0.002	0.02	<0.1	3.6	0.03	0.02	26	0.1	0.14	6.5
PGL009 04+00S	Soil		7.4	18.4	0.52	31.7	0.006	<20	1.44	0.012	0.03	<0.1	1.0	0.03	0.03	17	<0.1	<0.02	4.2
PGL009 04+50S	Soil		15.2	41.1	1.22	27.4	0.001	<20	2.59	0.002	0.03	<0.1	1.9	0.03	0.02	8	<0.1	0.11	7.2
PGL009 05+00S	Soil		13.2	36.3	1.04	30.8	0.001	<20	2.34	<0.001	0.03	<0.1	1.6	0.02	0.02	20	<0.1	0.08	6.9
PGL009 05+50S	Soil		6.7	16.0	0.25	36.6	0.003	<20	1.20	0.006	0.02	<0.1	0.4	0.04	0.07	30	0.1	0.06	5.6
PGL009 06+00S	Soil		11.0	28.9	0.49	25.0	0.011	<20	1.46	0.007	0.03	0.1	1.0	0.05	0.04	27	0.2	0.05	5.5
PGL009 06+50S	Soil		2.9	6.5	0.12	14.2	0.006	<20	0.57	0.018	0.02	<0.1	0.3	0.02	0.04	11	0.2	0.02	2.3
PGL009 07+00S	Soil		5.9	13.0	0.19	34.7	0.007	<20	0.96	0.015	0.03	<0.1	0.4	0.06	0.07	37	0.2	0.03	4.3

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Project: Reef
Report Date: September 27, 2012

QUALITY CONTROL REPORT WHI12000838.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																						
PGL002 00+00N	Soil		0.57	26.93	20.55	56.7	37	28.6	14.7	1100	3.93	76.3	0.5	2.5	0.8	3.4	0.06	0.32	0.58	22	0.02	0.070
REP PGL002 00+00N	QC		0.55	26.87	20.74	56.5	35	28.1	15.3	1102	3.91	77.8	0.5	1.9	1.0	3.3	0.06	0.36	0.59	21	0.02	0.069
PGL004 04+00N	Soil		0.36	28.11	15.99	59.7	43	31.0	11.6	731	3.32	105.7	0.8	10.2	2.1	2.8	0.04	0.24	0.27	13	0.01	0.053
REP PGL004 04+00N	QC		0.35	30.05	16.34	64.9	41	32.0	12.2	760	3.31	109.4	0.8	11.5	2.0	2.9	0.04	0.25	0.28	13	0.01	0.057
PGL006 04+50N	Soil		0.48	24.60	26.38	23.0	841	9.8	3.9	120	1.44	18.8	3.7	3.0	0.4	3.3	0.03	0.53	0.13	7	0.04	0.084
REP PGL006 04+50N	QC		0.50	25.28	28.52	23.7	828	10.9	4.2	130	1.51	19.8	3.9	6.1	0.4	3.9	0.04	0.57	0.10	7	0.04	0.086
PGL008 03+50N	Soil		1.29	66.75	59.55	112.0	141	76.6	30.9	2606	6.07	52.4	1.5	2.7	9.6	22.9	0.20	2.38	0.56	7	0.83	0.097
REP PGL008 03+50N	QC		1.30	66.57	60.25	113.7	138	76.7	31.2	2576	6.02	51.9	1.5	2.8	9.5	23.2	0.19	2.33	0.54	8	0.82	0.099
Reference Materials																						
STD DS9	Standard		13.66	115.6	131.0	325.9	1876	44.1	8.0	609	2.40	27.2	3.0	128.0	6.3	74.6	2.48	4.88	6.80	40	0.74	0.084
STD DS9	Standard		12.69	114.0	129.3	315.3	1796	42.1	7.6	576	2.34	25.6	2.6	123.1	6.4	70.8	2.36	4.74	6.37	40	0.72	0.081
STD DS9	Standard		13.51	115.8	119.4	329.4	2004	43.2	8.4	629	2.46	28.5	2.6	119.0	6.1	77.5	2.55	5.01	6.34	42	0.79	0.094
STD DS9	Standard		13.01	117.0	126.8	326.6	1938	42.5	7.9	567	2.35	26.3	2.7	161.9	6.7	72.1	2.38	4.58	6.18	39	0.73	0.083
STD DS9	Standard		14.57	124.1	137.0	340.3	1998	46.8	8.4	642	2.52	26.5	3.2	107.8	7.2	80.3	2.39	3.67	6.78	42	0.78	0.093
STD OREAS45CA	Standard		0.91	468.4	19.09	53.5	267	237.2	85.4	893	14.89	3.9	1.1	38.9	6.8	14.3	0.11	0.12	0.13	202	0.38	0.034
STD OREAS45CA	Standard		0.94	559.4	19.89	57.7	250	281.5	95.9	912	15.96	3.3	1.2	36.7	7.4	14.9	0.09	0.11	0.07	238	0.40	0.033
STD OREAS45CA	Standard		0.82	495.8	22.38	58.9	273	256.2	89.6	904	14.78	3.4	1.2	39.6	7.0	15.7	0.09	0.09	0.07	222	0.40	0.035
STD OREAS45CA	Standard		0.88	482.2	18.00	57.4	234	241.2	85.8	852	14.42	3.4	1.0	33.6	6.4	14.1	0.10	0.10	0.10	210	0.39	0.033
STD OREAS45CA	Standard		0.71	550.9	20.46	59.6	246	272.8	94.9	960	16.50	2.8	1.3	39.5	7.5	15.1	0.08	0.06	0.15	238	0.43	0.039
STD DS9 Expected			12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
STD OREAS45CA Expected			1	494	20	60	275	240	92	943	15.69	3.8	1.2	43	7	15	0.1	0.13	0.19	215	0.4265	0.0385
BLK	Blank		<0.01	0.01	<0.01	<0.1	5	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank		<0.01	0.03	0.02	<0.1	10	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank		<0.01	0.04	0.05	<0.1	8	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank		<0.01	0.05	0.03	<0.1	4	0.2	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank		<0.01	0.12	0.11	<0.1	8	<0.1	<0.1	1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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Project: Reef
Report Date: September 27, 2012

QUALITY CONTROL REPORT WHI12000838.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
PGL002 00+00N	Soil	11.9	25.4	0.78	22.4	0.006	<20	1.82	<0.001	0.02	<0.1	0.8	0.05	0.03	28	0.3	0.04	6.2
REP PGL002 00+00N	QC	12.9	24.6	0.80	24.2	0.005	<20	1.86	<0.001	0.02	<0.1	0.8	0.05	0.03	22	<0.1	0.02	6.0
PGL004 04+00N	Soil	13.3	23.4	0.75	26.8	0.003	<20	1.86	0.006	0.04	<0.1	1.1	0.03	<0.02	22	<0.1	0.09	5.2
REP PGL004 04+00N	QC	13.7	24.5	0.75	27.0	0.003	<20	1.84	0.005	0.04	<0.1	1.1	0.03	<0.02	13	<0.1	0.08	5.3
PGL006 04+50N	Soil	5.8	8.7	0.19	10.6	0.007	<20	1.15	0.016	0.03	<0.1	0.6	0.25	0.07	49	0.3	<0.02	2.6
REP PGL006 04+50N	QC	6.1	9.0	0.20	11.3	0.008	<20	1.15	0.016	0.03	0.1	0.6	0.31	0.07	51	0.3	0.03	2.6
PGL008 03+50N	Soil	22.8	17.0	0.48	37.7	0.001	<20	1.46	0.002	0.02	<0.1	7.8	0.05	0.03	46	0.4	0.10	2.7
REP PGL008 03+50N	QC	22.2	17.2	0.49	36.3	0.001	<20	1.46	<0.001	0.02	<0.1	7.8	0.05	0.03	51	0.3	0.09	2.7
Reference Materials																		
STD DS9	Standard	13.4	117.4	0.63	338.0	0.116	<20	0.96	0.083	0.41	2.7	2.6	5.67	0.17	229	5.7	4.75	4.6
STD DS9	Standard	12.9	113.1	0.62	327.4	0.117	<20	0.95	0.081	0.39	3.1	2.3	5.64	0.17	229	5.2	5.60	4.5
STD DS9	Standard	13.7	124.6	0.67	338.3	0.125	<20	1.04	0.091	0.43	2.4	2.6	5.73	0.18	218	5.8	5.13	4.7
STD DS9	Standard	12.4	115.4	0.63	323.5	0.116	<20	0.94	0.082	0.39	2.6	2.3	5.67	0.17	223	5.1	5.23	4.6
STD DS9	Standard	15.6	125.6	0.67	344.7	0.126	<20	1.03	0.086	0.42	2.7	2.6	6.07	0.17	234	6.7	5.45	5.3
STD OREAS45CA	Standard	14.5	672.9	0.12	156.2	0.128	<20	3.40	0.009	0.07	<0.1	40.8	0.07	0.03	33	0.4	0.05	16.3
STD OREAS45CA	Standard	17.7	692.8	0.15	159.1	0.157	<20	4.33	0.008	0.08	<0.1	43.2	0.07	0.02	29	0.5	<0.02	18.3
STD OREAS45CA	Standard	16.6	650.2	0.14	160.3	0.138	<20	3.88	0.012	0.08	<0.1	44.0	0.07	0.03	36	0.4	0.05	18.3
STD OREAS45CA	Standard	15.0	624.8	0.13	145.4	0.125	<20	3.41	0.011	0.07	<0.1	40.9	0.06	0.03	25	0.2	0.04	17.1
STD OREAS45CA	Standard	16.9	695.7	0.15	157.5	0.151	<20	3.91	0.004	0.07	<0.1	45.3	0.07	<0.02	38	0.4	<0.02	18.7
STD DS9 Expected		13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59
STD OREAS45CA Expected		15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		39.7	0.07	0.021	30	0.5	0.06	18.4
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

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