DIAMOND DRILLING AND ROCK SAMPLING REPORT

ON THE

STEWART PROPERTY

Assessment Report, for Event Filing number 20026204

NELSON MINING DIVISION, BC
TRIM MAPSHEETS: 082F024 and 82F034
UTM COORDINATES 5459000N ; 480700E

(Work Completed on Tenure Numbers 232632 and 393593)

for

EMGOLD MINING CORPORATION
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1) **SUMMARY**

The Stewart Property contains several gold, molybdenum, zinc and tungsten prospects located near the town of Salmo, in southeastern British Columbia. The property lies predominantly within lower Jurassic Elise Formation (Rossland Group) mafic volcanics and associated mid Jurassic and younger intrusive rocks.

The Stewart Property was worked by a number of operators from 1974 to 1998. Emgold Mining Corporation acquired the Stewart Property in 2001. Previous work on the property included geology, geochemistry, geophysics, trenching and drilling. The drilling was concentrated on the Stewart Moly Zone, with smaller programs carried out on the North and South Craigtown Grids (formerly known as the Minnova north and south grids). Emgold originally optioned the property in order to evaluate and expand the known gold mineralization and to test additional areas for gold. In more recent years, Emgold expanded exploration to test for molybdenum and tungsten.

In 1980-81 Shell Canada Resources Ltd. carried out a detailed evaluation of the property that included diamond drilling. The results of their work indicated that the property was host to ore grade concentrations of molybdenum within the Phase I and Phase II breccias. The most extensive zone of molybdenite mineralization is within the Phase II breccia and forms a podiform, vertically dipping zone. It is within this Phase II breccia zone that Shell Resources reported drill results outlining 204,125 tonnes grading 0.370% MoS_2. In 2005, the significant increase in molybdenum prices created renewed interest in the molybdenum potential of the property.

During October 2005, Emgold completed 404.47 metres of diamond drilling in five holes within a zone of molybdenum mineralization previously outlined by Shell Canada. This drill program was designed to verify the results of drilling by Shell, and to obtain further knowledge of the breccia body that hosts this mineralization.

In 2007, Emgold undertook a trenching and drilling program to provide further information on the molybdenum bearing breccia zone, as well as testing other areas of the property. Other areas included the Free Silver Ag-Pb-Zn zone, and the Arrow Tungsten zone. Trenching on the Free Silver zone uncovered shear-hosted veins containing elevated values of silver, lead and zinc. Trenching over the Arrow Tungsten zone uncovered significant tungsten-bearing (scheelite) metasedimentary rocks along a north-south zone extending outward from the Stewart Molybdenum breccia body. Diamond drilling along the 500 metre long tungsten trend returned significant tungsten values over widths of 1 to 6 metres. More work is required to assess the potential of this zone.

Trenching on the Stewart Molybdenum zone did not extend the previously outlined molybdenum-bearing breccia body. Diamond drilling through the breccia body intersected molybdenum grades over widths similar to those intersected in previous drilling.

In 2011, Emgold Mining Corporation conducted a 19 hole diamond drill program on the Moly Breccia zone. As well, 16 rock samples were collected along a new forestry road cut constructed on the claims.

The main objective of the 2011 work was to obtain drill intercept density within the Moly Breccia Zone that would allow modeling of the mineralized zone, and possibly extend the zone within and surrounding the molybdenum-bearing breccia. Highlights of the 2011 diamond drill program include: drill hole 11SM06 that returned 58.65 metres averaging 0.198% MoS_2, with 0.58% MoS_2 over 0.9 metres; drill hole 11SM07 that returned 4.92 metres averaging 0.233% MoS_2 with 0.98% MoS_2 over 0.6 metres; hole 11SM12 that returned 9.25 metres averaging 1.94% MoS_2; hole 11SM17 that returned 1.03 metres of 0.98% MoS_2; and hole 11SM18 that returned 1.87 metres of 0.56% MoS_2.

To date, exploration of the molybdenum-bearing zone has outlined a somewhat elliptical shaped breccia body hosting mineralization. The molybdenum content within the mineralized body is considered to be highly variable, with little consistency in geometry of the higher grade zones.

Further modeling of the molybdenum-bearing breccia body is recommended, along with continued data compilation for the property. Other areas of the property that are prospective for gold and silver mineralization should be further investigated.

2) INTRODUCTION

The Stewart Property contains a number of gold, molybdenum, tungsten and silver-lead-zinc prospects, located near Salmo in southeastern British Columbia. Emgold Mining Corporation acquired the property from vendors Jack and Eric Denny in mid 2001. Emgold originally optioned the property for its gold potential.

The Stewart Property was worked by a number of operators from 1974 to 1998. Previous work on the property was concentrated on the Stewart Moly Zone and defined a zone of significant molybdenum. In 2005 Emgold completed a 5-hole diamond drill program totaling 404.47 metres, and in 2007 Emgold completed a total of 28 trenches and 30 diamond drill holes (totaling 3,338 metres) on the property. The results of those programs indicated that further work on the property was warranted. As well, other areas of the property were deemed to have potential for tungsten, gold, and silver-lead-zinc mineralization.

This report documents the results of a rock sampling and drilling program undertaken by Emgold in 2011, work that was designed primarily to further define the molybdenum potential within the granite-hosted breccia body that has been tested intermittently since 1980.

3) LOCATION AND ACCESS

The Stewart Property is located 7 kilometres north of Salmo, and directly west of Ymir, in the Nelson Mining Division of southeastern British Columbia (Figure 1). The claims are centered at latitude 49°16'N and longitude 117°18'E within mapsheets 82F/3 and 82F/6.

Access to the Stewart Property is either via the Erie Creek Road, 4 kilometres west of Salmo on Highway 3, or by the Stewart Creek Road, 4 kilometres north of Ymir on Highway 6. A number of logging and old mining roads provide access throughout the claims. These roads are in various conditions, some being maintained and others being overgrown with brush and alder.

4) CLAIM INFORMATION

The Stewart Property is located within the Nelson Mining Division and consists of nine modified grid and six two post claims to total 127 units (Figure 2). Claim information is listed in Table I.

Table 1 - CLAIM INFORMATION

CLAIM	TENURE	HA	ISSUED
PORPH	384362	375.000	20010307
PORPH 2	387884	375.000	20010706
PORPH 3	387885	300.000	20010704
PORPH 4	387886	25.000	20010703
PORPH 5	387887	25.000	20010703
PORPH 6	387888	25.000	20010710
PORPH 7	393592	500.000	20020528
PORPH 8	393593	500.000	20020528
PORPH 9	393594	25.000	20020524
PORPH 10	393595	25.000	20020523
PORPH 11	393596	25.000	20020523
FAIRVIEW L2903	234612	25.000	19900315
FREE SILVER L2902	232633	25.000	19780418
ROYAL L5322	232634	25.000	19780418
STEWART 1	232635	500.000	19780428
STEWART 2	232636	500.000	19780428
STEWART 3	232637	200.000	19780508
	508384	210.634	20050309
	508596	652.929	20050310
STEWART 7	232699	300.000	19781128
STEWART 8	393590	500.000	20020531
STEWART 9	393591	500.000	20020531

(Table 1 continued)

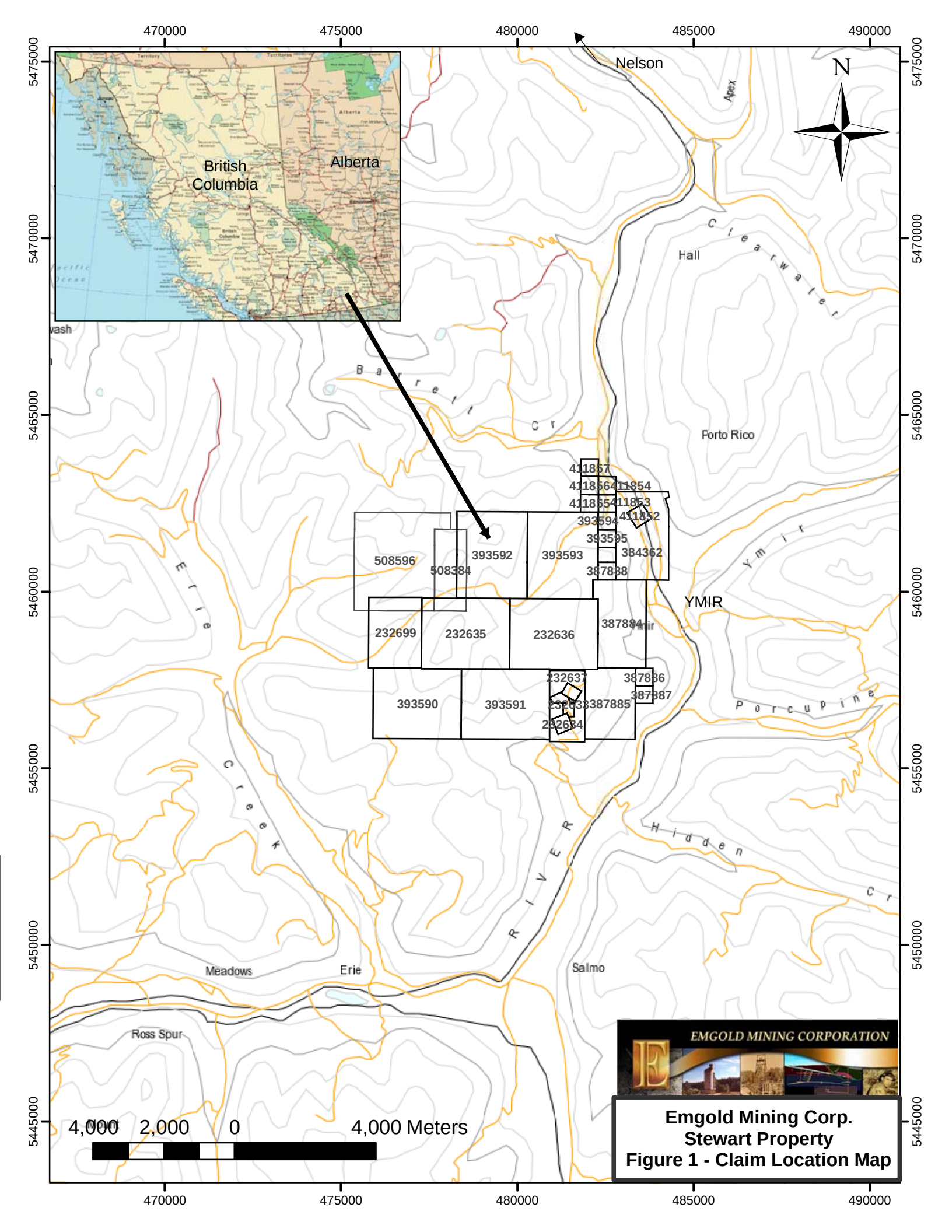
PO 1	411852	25.000	20040630
PO 2	411853	25.000	20040630
PO 3	411854	25.000	20040630
PO 4	411855	25.000	20040630
PO 5	411856	25.000	20040630
PO 6	411857	25.000	20040630

5) PHYSIOGRAPHY

The Stewart Property is located in an area of rugged terrain. Topography on the property is steep with elevations ranging from 750 metres to 1,950 metres. Outcrop exposure is generally limited, but ridge crest outcrops are fairly common. The lower slopes and valley bottoms have extensive deposits of till.

Several portions of the claim area have been recently logged, with the remainder being covered with first and second growth forest consisting dominantly of conifer stands, but also some deciduous stands and minor brush fields.

The climate is moderate. Precipitation can occur throughout the year, but is lightest during the summer months. Most of the property is snow covered during December to April, with the highest regions not melting off until June or July. Temperatures typically range from -15^{o} to 20^{o} C annually.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Alberta
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EMGOLD MINING CORPORATION
Emgold Mining Corp.
Stewart Property
Figure 1 - Claim Location Map

6) HISTORY

The Stewart Property is located in an area of much early mining activity, with the Ymir, Erie, Sheep Creek and Nelson districts being sites of extensive exploration and production for over 100 years.

Recorded work on the Stewart Property began with surface exploration and development of the Arrow Tungsten showing by Premier Gold Mining Co. in 1942. Tungsten mineralization was identified over a 1000 foot (300 metre) strike length, with samples up to a few feet wide of over 1% WO_3. In the late 1960s and early 1970s, the property was explored for copper by Quintana and Copper Horn. Prospectors Eric and Jack Denny staked the property in 1978, and Shell Canada, followed by Selco, explored the property for molybdenum. Most of this work (including extensive drilling) was focused on the Stewart Moly and Breccia Summit areas. Large areas of the property were also soil sampled on a wide grid, and covered by airborne magnetic and impulse EM surveys.

In 1980-81 Shell Canada Resources Ltd. carried out a detailed evaluation of the property that included diamond drilling. The results of their work indicated that the property was host to ore grade concentrations of molybdenum. Shell reported a resource of 204,125 tonnes grading 0.370% MoS_2 calculated from results of their drilling on the property.

From the mid 1980s to the mid 1990s, several groups explored the property for gold. US Borax and Lacana conducted geochemical surveys, concentrating in the Rest Creek area. Minnova, followed by Cameco, explored the Craigtown Creek area with geochemistry and geophysics (induced polarization and magnetics). Cameco drilled four core holes into one of the targets identified by this work. They found extensive anomalous gold in altered andesite, diorite and feldspar porphyry (values in the low 10s to 100s of ppb, maximum 24,854 ppb over 1 metre in a quartz-sulphide vein). In 1996, Orvana Minerals conducted geologic mapping, rock, soil and moss mat sampling, and a ground magnetic and VLF-EM survey.

The most recent work done on the property, prior to Emgold's option, was in 1997 by Orvana Minerals. The Craigtown Creek grid area was extended and covered by soil geochemistry and geological mapping. Also road construction to the ridge between the south and main forks of Craigtown creek was completed in order to access drill target areas defined by previous work.

Emgold Work 2001-2007

Emgold has conducted work on the Property since 2001, including airborne geophysical surveys, geological mapping, geochemical sampling, geophysics, trenching, and diamond drilling. This work has identified four key exploration targets. The targets include:

1. The Stewart Moly Zone
2. The Arrow Tungsten Zone
3. The Craigtown Creek Gold Zone
4. The Free Silver Zone

Diamond drilling in the Stewart Moly Zone to date has included 47 holes totaling 6115 metres, most of which tested the high grade central zone (breccia), but also included several holes to test peripheral low grade potential. Significant molybdenum results include:

- Hole 8003 that returned 0.504% MoS_2 over 10 metres (5-15m) and 0.524% MoS_2 over 8 metres (19-27m)
- Hole 8103 that returned 0.492% MoS_2 over 2 metres (5.6-7.6m)
- Hole 8109 that returned 0.588% MoS_2 over 2 metres (76-78m)
- Hole SM0505 that returned 0.554% MoS_2 over 1.9 metres (46.1-48m), and 0.605% MoS_2 over 2.65 metres (50.6-53.25m), and 0.829% MoS_2 over 1.6 metres (68.8-70.4m)

Diamond drilling in the Arrow Tungsten Zone to date has included 30 holes totaling 3338.5 metres. Significant tungsten results include:

- Hole STW0715 that returned 0.509% WO_3 over 1.29 metres (44.73-46.02m)
- Hole STW0716 that returned 0.759% WO_3 over 1.58 metres (41.09-42.67)
- Hole STW0730 that returned 1.00% WO_3 over 1 metre (10.66-11.66m)

Diamond drilling in the Craigtown Creek Gold Zone included 10 holes totaling 923.8 metres. Several intercepts returned elevated gold values (0.12 to 0.35 g/t). Historic drill hole DEN-93-4 returned 24.8 g/t Au over a 1.0 metre width that included a 0.3 metre wide quartz-calcite-pyrite vein. This vein intercept has not been reproduced in any further work in that area.

No drilling has been done in the Free Silver Zone to date.

One of the main objectives of exploration by Emgold on the property was to investigate the molybdenum-bearing breccia area to verify, and possibly expand, the molybdenum resource originally drilled by Shell Canada Resources Ltd, and further tested by Emgold in 2005. A total of 3 trenches and 6 diamond drill holes were completed in this area. A second target of interest was the Arrow tungsten zone that was historically trenched but never drilled. Emgold re-opened and expanded the trenching on the Arrow zone with a total of 17 trenches. As well, a total of 24 drill holes were designed to test deeper into the tungsten bearing zone. The molybdenum bearing zone and the tungsten bearing zone are in close proximity to each other so that some drill holes intersected both types of mineralization. All of the trenching and drilling for molybdenum and tungsten took place within the Stewart 2 (#232636) and Porph 8 (#393593) claims.

In 2007, Emgold tested the Free Silver zone. This zone is within a different part of the property some distance from the molybdenum and tungsten zones listed above. The Free Silver zone had been historically trenched. Emgold re-opened some of the old trenches in order to verify historic widths and grades, and to test the limits of mineralization. A total of 8 trenches were completed by Emgold in 2007. Results on the Free Silver Zone indicated that narrow veins contain elevated silver, lead and zinc. The highest silver value of 46.027 grams per tonne was collected from trench 07FS-05. This was a grab

sample taken from a section of broken bedrock within the trench. This sample also contained the highest lead and zinc values. The results also indicate narrow zones of elevated lead (to 0.69%) and zinc (to 1.09%) within the sheared host rocks located along the top of the ridge located in that area.

In the Stewart Moly Breccia zone the results of trenching by Emgold did not uncover significant grades of molybdenum similar to that encountered by diamond drilling. Values returned from sampling ranged up to 100.44 ppm molybdenum over a 3 metre sample width (07ST-01 from 0 to 3m). Elevated tungsten values were also returned.

7) WORK DONE BY EMGOLD MINING CORPORATION IN 2011

In 2011, Emgold Mining Corporation conducted a diamond drill program on the Moly Breccia zone. This program consisted of 19 drill holes totaling 2,526 metres (8,273 feet). The drilling was carried out by Critchlow Drilling of Salmo, BC, extracting NQ size core. As well, 16 rock samples were collected along a new logging road cut constructed on the claims. The general areas of work are shown on Figure 2. Rock samples were obtained within claim Porph 8 (393593), and the drilling took place within the Stewart 2 (232636) claim.

The main objective of this work was to obtain drill intercept density within the Moly Breccia which would allow modeling of the mineralized zone, and possibly extend the zone within and surrounding the molybdenum-bearing breccia.

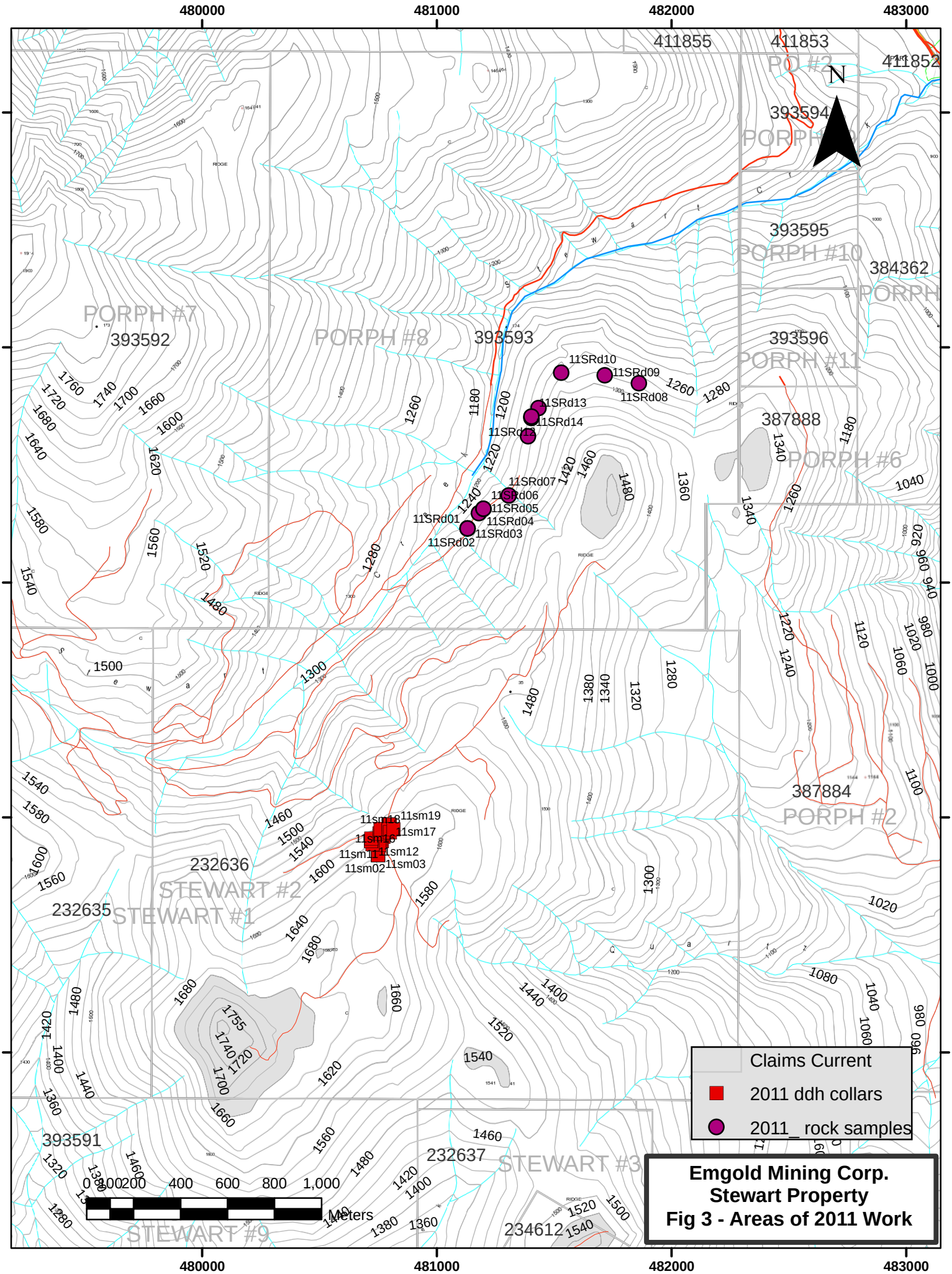
Work was carried out by a seven person crew working out of the town of Salmo. The author supervised all fieldwork.

8) GEOLOGY

Geology and mineralization of the Stewart Property is well described by Fredericks and Thomson (1998), and is summarized below. Figure 3 contains general geology as provided from geospatial download from the BCGS website “Map Place”.

REGIONAL GEOLOGY

The immediate region is underlain in the east by Paleozoic clastic and carbonate sedimentary rocks of the Kootenay Terrane, and in the west by Mesozoic volcanic rocks of the Quesnel Terrane. In this region, the stratigraphy of both the Kootenay and Quesnel Terranes have been folded and faulted along an east-west compressional axis. They are intruded by felsic volcanic rocks that range in age from Jurassic to Tertiary. Coeval dioritic intrusions are common in the mafic andesitic volcanic rocks of the Jurassic Rossland Group. These tend to be relatively small bodies. Extensive late Mesozoic intrusive activity produced the widely distributed Nelson Group of intrusives of granitic to dioritic compositions. Eocene age, typically potassic (monzonite) intrusive rocks of the Coryell Group are also widely distributed in the region. Young (Tertiary) dykes and sills of rhyolite and felsite are common, and some small, more mafic intrusives are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Claims Current
2011 ddh collars
2011_ rock samples
Emgold Mining Corp.
Stewart Property
Fig 3 - Areas of 2011 Work

present. Much older clastic sedimentary rocks of the Proterozoic Aldridge (Belt) Supergroup outcrop extensively to the east.

PROPERTY GEOLOGY

The Stewart Property is underlain by sedimentary and volcanic rocks of the Jurassic Rossland Group, and by intrusive rocks of various younger ages (Figure 3). The oldest rocks are of the Elise Formation, the volcanic component of the Rossland Group. The Archibald Formation, which is the basal unit of the Rossland Group and composed of fine clastic sediments, outcrops west of the Stewart Property. The volcanic rocks of the Elise Formation are basaltic to andesitic in composition, tend to porphyritic flows, breccias, pyroclastics and subvolcanic intrusives. A fairly significant component of this formation includes fine-grained, equigranular to porphyritic/aphanitic diorite/andesite. Phenocrysts of feldspar, augite and hornblende are common in some of the units.

Overlying the Elise Formation is the Hall Formation (also Jurassic Rossland Group). These rocks are mostly argillite, siltstone, fine-grained sandstone and minor conglomerate. They are rarely limy, but are commonly siliceous. Compositionally, the rocks are very heterolithic, with a variety of clasts, including a high percentage of volcanic fragments. The Elise and Hall Formations are folded into a broad north-south trending syncline (Hall Creek Syncline) that runs through the property and extends both north and south over a 20 kilometre strike length. This north-south structural feature is the strongest one on the property.

A variety of intrusive rock types and ages have intruded the older rocks. These belong to three major groups. The older group consists of coeval diorite intrusives in the andesite pile of the Elise Formation. These tend to be fine to medium-grained, equigranular and weakly porphyritic. They range from very weakly to moderately magnetic. They probably are not very large, occurring as dykes or sills a few metres thick. Flow lineation in feldspar or hornblende phenocrysts is seen near the intrusive contacts in drill core.
The next set of intrusive rocks is the Cretaceous Nelson intrusive suite, mostly quartz monzonite on the property, but also monzonite, granite and diorite. These tend to be large, in places composite, intrusive masses outcropping most extensively in the northern portion of the property, in the Stewart and Craigtown Creek drainages. Smaller stocks occur in the western portion of the property. Rocks of these intrusives are generally medium-grained, equigranular to porphyritic. They seem to range from weakly to fairly strongly magnetic. Porphyry molybdenum mineralization on the property is thought to be related to these intrusives.

Younger intrusives of the Coryell Suite (Eocene or later?) are also monzonitic, but tend to be a little more quartz-poor and alkaline than the Nelson rocks. They are typically biotitic. They may be equigranular or porphyritic. They occur in both the east central and west central portions of the property. What are probably the youngest intrusives are rhyolite, latite and minor basalt sills/dykes that intrude the older Rossland rocks and both Nelson and Coryell intrusives. These cross-cutting intrusives are aphanitic to weakly porphyritic (rhyolite and latite may have quartz eyes), generally strike north-south and

are widely scattered on the property. The rhyolite intrusives commonly have distinct flow banding near their contacts with the country rock.

The dominant structural grain on the property is north-south. The Rossland Group stratigraphy generally strikes north-south, as does the Hall Creek Syncline. Northwest and northeast faults and shear zones are known on the property; they appear to be significant controls to mineralization. The common young rhyolite dykes and sills also strike north-south and dip steeply. All of these features indicate that the deformation occurred within a stress regime with an east-west compressional axis that was probably long lasting and contemporaneous with accretion onto the North American continent.

CRAIGTOWN CREEK AREA GEOLOGY

Orvana conducted mapping in 1996 and 1997 along road cuts and stream drainages in the Craigtown Creek area. The following geological summary is from Fredericks and Thomson, 1998, and is reproduced below. This area is considered a target for gold potential.

The Elise (Jurassic age Rossland Group) Formation volcanics underlie a large portion of the Craigtown Creek area, and hosts a significant part of the known mineralization. They strike generally north-south and dip moderately to steeply east. Lithologies of the Elise Formation are texturally highly variable. The rocks constitute essentially an andesitic volcanic pile, but include flows, clastics and intrusives. Colour varies from light to dark grey, green or almost black. Most of the rocks are either porphyritic/aphanitic andesite flows or tuffs. Feldspar, hornblende and augite phenocrysts are common. The tuffs vary from ashes to lapilli or even cobble tuffs. Rarely, bedding is visible in ashy beds. Dioritic, porphyritic coeval dykes and/or sills are also common. These commonly have flow lineations preserved in the phenocrysts, near the contacts with the country rock. Compositionally, rocks of the Elise Formation are seen to vary from andesite to gabbro. Some of the rocks are basalt, containing up to 25% dark green to black augite phenocrysts. In the western portion of the area, a narrow belt of fine-grained tuffaceous volcanics is exposed in road cuts. These rocks lie between the granite and diorite intrusives, and are hornfelsed. They possibly represent a small sliver of the Archibald Formation (rather than the Elise Formation), otherwise not represented in the area, caught between two intrusives. Alteration in the Elise Formation is widespread and commonly consists of a propylitic assemblage, with less common potassic, carbonate and silicification.

Overlying the Elise Formation on the east are argillite, siltstone and tuffaceous rocks of the Hall Formation. These rocks also strike north-south and dip steeply. They are dark grey, tan to black and thinly bedded. They have not been identified as calcareous in the Craigtown Creek area although they are in other areas of the property. They are often graphitic. Mineralization of these rocks in the study area seems to be restricted to the contact aureole around the “West Moly Intrusion”, which is mostly further east. This mineralization is limited to disseminated pyrite/pyrrhotite and minor small quartz-sulphide veins. Alteration in this aureole includes silicification and hornfels (possible potassium metasomatism or silica flooding).

In the western portion of the area a variety of intrusive rocks occur. These probably represent in part a lobe of Nelson (Cretaceous) granite, quartz monzonite and diorite and extend eastward from the Bonnington pluton up Craigtown Creek. The granite is light speckled grey, pink and tan, medium to coarse-grained and unaltered. The diorite is medium to dark grey, medium to fine-grained, and tends to be more mafic in the west. It is generally unaltered to weakly propylitic altered. The monzonite and quartz monzonite outcrop extensively in the western portion of the grid area. This rock is medium to dark grey, medium-grained and generally equigranular to weakly porphyritic. It tends to be more quartz-rich in the southern portion of its distribution. It is generally unaltered or only weakly propylitic altered, except near its contact with the country rocks, where propylitic alteration is stronger. This rock intrudes the volcanic rocks of the Elise Formation.

Small monzonitic feldspar porphyry intrusive plugs occur in the Craigtown Creek area. These rocks were originally thought to belong to the Nelson intrusive group (Cretaceous). However, Hoy and Dunne (1988) suggest that rocks similar to these, including the Silver King porphyry, may be synvolcanic. One of these porphyries outcrops east of the 1996 grid on Anomaly Ridge, where Cameco drilled four holes. Other bodies are certain to underlie other areas, and the float is very common. These rocks are porphyritic, with 10-30% feldspar phenocrysts ¼ to 1 cm long, set in fine-grained, tan-grey groundmass. In places, anhedral quartz eyes constitute a few modal percent. Petrographic study indicates that the feldspar crystals are plagioclase. They are cream coloured and euhedral. In places they demonstrate a flow lineation. Mafics are mostly hornblende and minor biotite, and constitute a minor portion of the mode. The rocks often contain disseminated pyrite and in places are cut by stockwork quartz veinlets.

Fine-grained, felsic monzonitic intrusives occur in several portions of the Craigtown Creek area. These rocks may be from the same magmatic event as the feldspar porphyry intrusive described above, as they are compositionally similar. These rocks are light tan or grey, with pinkish hue in places, and contain only minor mafic minerals (generally 5% biotite). In places, especially near the ridge crest, brecciation is strong in these rocks. These appear to be intrusive breccias and show several cross-cutting relations. They are altered and mineralized, and are associated with anomalous Au and Cu geochemistry in both soils and rocks. Several percent magnetite is a common component, both as fine to medium-grained disseminations and as stockwork veinlets, with or without quartz. Potassium feldspar and quartz veining and flooding are present in places. These rocks probably represent elongate intrusives, perhaps 100 metres wide by 400 metres long, which were emplaced along the contact between the Elise Formation and the body of medium-grained monzonite. The strong northwest elongation implies structural control.

Latite and quartz latite dykes and small plugs occur in the Craigtown Creek area. They are probably Tertiary in age; they intrude the Rossland Group and the diorite and mozonite intrusives. The dykes are only a few metres in width and have strikes that range from northwest to northeast with steep dips. They are usually not altered or mineralized. However, a small plug of a trachytic latite and quartz latite porphyry with

quartz veinlet stockwork and anomalous Au (>1 g/t) outcrops in the area. This plug was intruded along the same northwest striking zone of weakness that parallels the contact between the monzonite intrusives and the volcanics.

Rhyolite dykes are common on the Stewart Property, and a few of these traverse the Craigtown Creek area. They are also probably Tertiary, as they intrude the Rossland Group and the diorite and monzonite intrusives. They generally strike north-south and dip near vertically. They are a few metres in thickness. Texturally, the rhyolite is aphanitic, with minor quartz eyes in places. They have been mapped and logged as tuffs, flows or intrusives by other workers. Based on flow lineation, and chilled lower and upper contacts as seen in core, we believe that they are later intrusives. They are little altered except for some minor late quartz-carbonate veinlets. Some of them contain disseminated pyrite; in fact some earlier workers concluded that they are the source of the Au soil geochemical anomalies at Craigtown Creek. In our experience, they contain very little Au except where accompanied by quartz veinlet stockwork and pyrite.

Minor lamprophyre or porphyritic basaltic dykes, sills, and small plugs are present in the area. They are dark grayish brown, unaltered, not magnetic, and aphanitic, with minor biotite phenocrysts in places. They have distinct chill margins along both contacts in core. They also intrude the Rossland Group and the diorite and monzonite intrusives. They are probably late and unrelated to mineralization.

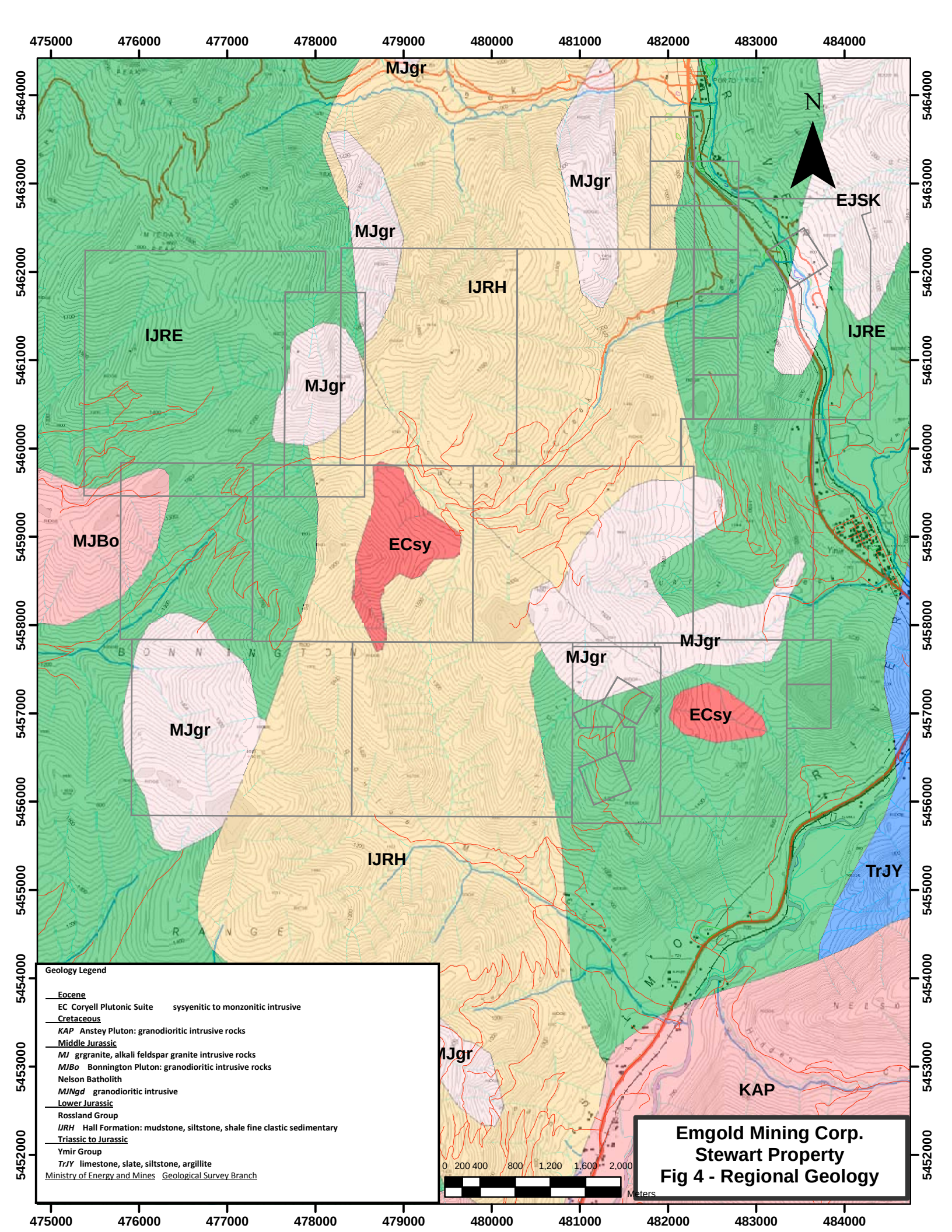
MINERALIZATION

The following mineralization summaries are extracted from Fredericks and Thomson (1998) and Turner (1981).

Mineralization in the property area is widespread and varied. Included are porphyry Mo within intrusive breccia (Stewart Moly), contact/skarn related Mo and W (Arrow Tungsten), porphyry stockwork Au/Cu (Craigtown Creek), stratabound sediment hosted Au-rich sulphide (replacement manto or exhalative, i.e. Arlington Mine, Gold Hill?), quartz-pyrite-arsenopyrite stockwork in sediments (Trixi V), sediment hosted Ag-Zn-Pb (Free Silver), and quartz-pyrite veins with gold (Craigtown Creek). Additionally, disseminated pyrite is common in several rock types, including andesite, argillite rhyolite and diorite/monzonite intrusives.

Molybdenum

Two intrusive breccia types are represented on the property. These have been named Phase I and Phase II breccias. The most extensive zone of molybdenite mineralization found to date is within the Phase II breccia and forms a podiform, vertically dipping zone. Mineralization is primarily fine grained disseminations of molybdenite within the matrix but also occurs as selvages associated with quartz veinlets transecting fragments, and as fracture fillings within hornfelsed and skarnified fragments. It is within this Phase II breccia zone that Shell Resources reported drill results outlining 204,125 tonnes grading 0.370% $MoS_{2,}$ and Emgold drilled 5 holes in 2005.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IJRH
IJRE
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ECsy
TrJY
KAP
0 200 400 800 1,200 1,600 2,000
Meters
Geology Legend
Eocene
EC Coryell Plutonic Suite sysyenitic to monzonitic intrusive
Cretaceous
KAP Anstey Pluton: granodioritic intrusive rocks
Middle Jurassic
MJ grgranite, alkali feldspar granite intrusive rocks
MJBo Bonnington Pluton: granodioritic intrusive rocks
Nelson Batholith
MJNgd granodioritic intrusive
Lower Jurassic
Rossland Group
IJRH Hall Formation: mudstone, siltstone, shale fine clastic sedimentary
Triassic to Jurassic
Ymir Group
TrJY limestone, slate, siltstone, argillite
Ministry of Energy and Mines Geological Survey Branch
Emgold Mining Corp.
Stewart Property
Fig 4 - Regional Geology

Thin Section Analysis

In order to better define the nature of mineralization, alteration, and host rock characteristics of the molybdenum mineralized breccia zone, samples were submitted to Vancouver Petrographics for thin section analysis. A copy of the thin section reporting is provided in the appendices of this report.

Textures in many samples suggest that the rocks were slightly metamorphosed.

Hand specimen visual observations done during various work programs on the property have determined molybdenite content in specimens that are generally higher than what is reported from a laboratory analysis of the same sample. The Vancouver Petrographics study indicates that this might be due to the fine grained disseminated nature of the molybdenite mineralization through a siliceous host, with other dark fine grained mineral grains, amounting to a massive-looking dark grained texture. This massive dark texture has been interpreted by field workers as constituting high grade molybdenite in the range of 5-10%, whereas laboratories might return values under 1%.

An example description from drill hole 11SM06 is typical of the mineralized breccia. Sample 11SM06 - 14.2m contains fragments up to 2.5 cm in size of medium to finer grained granodiorite dominated by plagioclase (altered moderately to sericite and calcite) and quartz, with much less abundant K-feldspar and minor biotite (altered completely to pseudomorphic muscovite), sphene (altered completely to Ti-oxide), and pyrite. These are contained in a groundmass of aplite dominated by K-feldspar with lesser quartz, much less abundant ankerite and muscovite, minor patches of pyrite and pyrrhotite, and wispy disseminated flakes and clusters of flakes of molybdenite. The molybdenite content in this sample was estimated from thin section at approximately 0.3%. The drill log indicates molybdenite content up to 5%. The assay for the interval that contains this segment returned an analysis of 0.18%.

As mentioned, a possible reason for the high molybdenite estimation in the core relative to assays is that molybdenite commonly occurs in clusters of wispy flakes that are intergrown with other minerals, which, in the core, might appear to be mainly molybdenite. An overestimation might occur due to small amounts of dark minerals in a light matrix. As well, in brecciated samples, the molybdenite content varies widely from fragment to fragment and between fragments and matrix; those areas with high molybdenite contents may be overestimated relative to those of low molybdenite content.

Gold, Copper

In the Craigtown Creek area, six types of mineralization are known. These include: 1) disseminated and fracture filling pyrite and/or pyrrhotite, +/- chalcopyrite, 2) quartz-magnetite veinlets, 3) quartz veinlet stockwork, 4) pyrite veinlets, 5) quartz-carbonate veins, and 6) quartz-sulphide veins. The first four types are associated with potentially

economic, bulk tonnage style gold and copper mineralization. The last type could be associated with the same system that produced the former mineralization types, but is a distinctly different target type that also has economic potential.

Pyrite and pyrrhotite as disseminated grains and fracture fillings is common in the Craigtown Creek area. This type of mineralization is observed in all of the rock types mapped in the area, with the exception of the granite intrusive and basalt dykes. Traces of chalcopyrite are present in places with mineralization, where it occurs in intrusive or volcanic rocks, usually in association with shearing, brecciation or quartz veinlets. Propylitically altered quartz monzonite and diorite generally has only 0.5 to 2% sulphide. Andesite typically has more sulphide; 2-3% in propylitic rocks and 5-10% in silicified rocks, in relative proportion to the amount of alteration. Potassically altered intrusive and volcanic rocks have less sulphide, generally in the 0.5 to 4% range. This type of sulphide is also very common in feldspar porphyry. In one area of the grid, disseminated and fracture-filling pyrite and pyrrhotite in andesite tuff consistently yield 1-2 g/t gold in rock samples.

Quartz-magnetite veinlets are common in the north-northwest trending contact zone between the felsic monzonite intrusives and the Elise volcanics. This zone has strongly anomalous Au and Cu in soils. The host rocks are usually the intrusives and less commonly the volcanics. They are very rarely exposed in outcrop, mostly being seen in float or talus. The veinlets range from <1mm to 5mm in thickness, constitute 2-20% of the rocks and in places constitute a stockwork. Two or three stages of veining are visible in some hand samples; at least one stage is quartz only. Malachite stains are present in places, though the rocks rarely contain sulphide. Where sampled on the surface, rocks containing this type of mineralization contain anomalous Au (100 to 300 ppb range) and Cu (200 to 500ppm range).

Quartz and quartz-pyrite veinlet stockwork was observed in feldspar porphyry float in several places, and in the small latite plug mapped in the southern portion of the northwest striking zone of alteration and anomalous geochemistry that bisects the central portion of the grid. The rocks hosting this stockwork generally are moderately silicified, and contain several percent disseminated pyrite. Pyrite may also have been a component of the veinlets in some samples, but has been oxidized to limonite. This mineralization represents the potential for discovery of a large tonnage Au deposit, as several samples have returned Au values >1 g/t. This mineralization may represent more than one stage, as some rock samples contain high Au and low Cu; others have high Cu with high Au.

Pyrite veinlets in mafic andesite-basalt contain highly anomalous Au values in the central portion of Minnova's southern grid, east of Craigtown Creek. Dark green to black augite porphyritic mafic andesite or basalt is exposed in a few small outcrops, subcrop and float. Petrographic study indicates that this rock is propylitically altered and fragmental. It typically contains a few percent disseminated pyrite. In a couple of small outcrops, vague pyrite veinlets and clots are present. These vague veinlets have northeast orientations. Samples of this material have run in the 8 to10 g/t Au range.

Quartz-carbonate veinlets are present in both the Bonnington Pluton monzonite-diorite intrusive rocks and the Elise volcanics. They seem to occur in sheared, weakly altered (propylitic) outcrops. Shear directions are either northeast or north-south, with near vertical dips. Minor amounts of pyrite and or magnetite are present in the host rocks. Samples of these rocks have weakly anomalous Au and Cu.

Quartz-calcite-sulphide veins occurring in Elise volcanic rocks were intersected in one of the 1994 Cameco drill holes. They range from 10-30 cm wide and contain mostly white quartz and calcite, with 10-30% sulphide (pyrite, pyrrhotite and minor chalcopyrite). One of these veins contains 24,854 ppb Au. They appear to have high enough grade potential to be considered as targets, even in an underground mining situation. They are not known to outcrop anywhere. It is possible that the northeast striking Au in soil anomalies located on the grid north of Craigtown Creek are related to this type of mineralization. These anomalies are fairly narrow and linear appearing to be derived of relatively narrow veins or structures. Veins like this have been demonstrated to occur around porphyry type mineral systems in other important mining camps in British Columbia.

ALTERATION

The following alteration summary is taken from Fredericks and Thomson (1998).

Various types of alteration are known on the Stewart Property. In the area of the porphyry molybdenum occurrences phyllic and potassic alterations are reported by earlier workers. Silicification is common in various rock types. Propylitic alteration of intrusive and volcanic rocks is widespread on the property. In the Craigtown Creek area, the focus of work in 1996 and 1997, alteration types observed include propylitic, silicification, carbonate, potassic and skarn.

In the Craigtown Creek area propylitic alteration is common in andesitic volcanic rocks of the Elise Formation. Patchy, pervasive epidote and chlorite tint the rocks green. Fractures in the Elise volcanics have fillings, coatings or selvages of these minerals. Intrusive rocks, including monzonite and diorite, also commonly display pervasive to fracture-controlled propylitic alteration, where mafic crystals have altered to chlorite and/or epidote. This alteration is not as ubiquitous in the intrusive as it is in the volcanic rocks. The propylitic alteration may be related to the margins of the Bonnington intrusive rocks that invade from the west, and the later fine-grained monzonite plugs that intrude the Elise/Bonnington contacts.

Silicification is intense within the Elise Formation andesite near Craigtown Creek. These rocks typically have a mottled, bleached coloration. Silicification is pervasive, and mafic minerals are entirely chloritized. The silicification is usually accompanied by disseminated pyrite or pyrrhotite. It is also coincident with anomalous soil and rock geochemistry (Au, Cu, As) in places, and therefore is assumed to be a function of the mineralization system. On the surface, these silicified rocks tend for form small, iron-stained ridges and knobs with sparse vegetation. They appear to be associated primarily

with northwest structures, also possibly intrusive contacts and northeast structures. On the ridge crest, silicified rocks appear to extend 100 metres east of the saddle where several northwest structures are mapped. This is also within 100 metres of an intrusive contact where potassic alteration is present.

Carbonate alteration is present in places in the andesite of the Elise Formation. This alteration can be either pervasive or veinlet/fracture controlled. Where pervasive, it tends to be apparent only when the rocks are subjected to HCl acid, or with petrography. Petrographic study indicates that most of the carbonate is ferroan dolomite and is generally a late alteration product. A few outcrops were located containing small veinlets of calcite, commonly associated with north-south or northeast shearing. In the north Minnova grid area, a northeast trending zone of carbonate alteration, bleaching and pervasive hematite/limonite traverses the hillside just downhill and east of the Cameco drill holes. This zone is approximately 20 metres wide.

Potassic alteration is present in places in brecciated and veined fine-grained felsic monzonite intrusive rocks along the Bonnington Pluton – Elise Formation contact. This alteration is fairly weak, and consists of pinkish to grayish flooding and veinlets of potassium feldspar. Quartz +/- magnetite veinlets are commonly associated with this alteration.

Skarn alteration was observed in two locations in the Craigtown Creek area. A small outcrop of green calc-silicate skarn was found just off the western end of the 1996 grid. This rock contains green pyroxene, brownish garnet, and black amphibole (+/- chlorite). Similar skarn was found in float near the east end of the old road running up the north side of the North Fork of Craigtown Creek. The protolith is probably andesitic fragmental volcanic rock.

9) ROCK SAMPLING

2011 rock sample locations are show on Figure 4. All samples were taken from a recently excavated road cut that extends along the east side of Stewart Creek. A majority of the cut slope has exposed bedrock for the length of the new excavation.

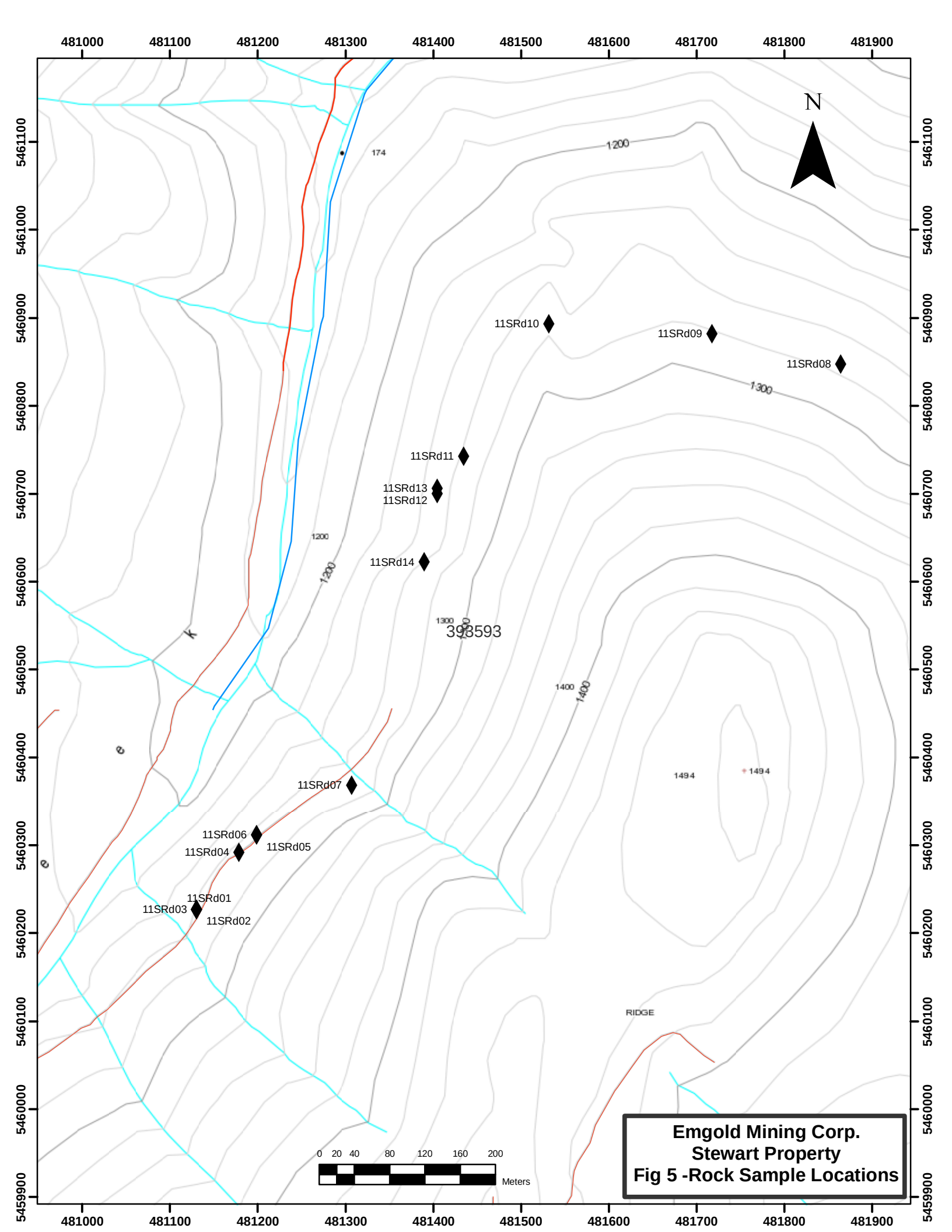
Sample location and description is summarized in Table 2.

Table 2 – Rock Sample Location and Description

Sample id	E	N	elev	Description
11SRd01	481131	5460229	1281	grab, qc vein with py and sp
11SRd02	481131	5460229	1281	chip across rock oc, 5metres, altered py cb seric mariposite volc
11SRd03	481131	5460229	1281	clayey shear, 0.5m, some QFP showing in places
11SRd04	481179	5460294	1281	section of road cut with narrow qc veins, py ep sp po cp
11SRd05	481199	5460313	1281	quartz vein/pod, parallel banding, 0.5m ea vein about 4m apart, po, py, cp, mo
11SRd06	481199	5460313	1281	wall rock around veins, chip over 5m width, carb stringers, py on fracts, seric alt'd
11SRd07	481307	5460370	1281	end of oc, qc stringers, alt'd py volc, contact to arg shear
11SRd08	481862	5460847	1281	2cm qv with crs py, vuggy in massive fg volc brxx
11SRd09	481716	5460881	1284	2cm qtz, rusty, pocky, in fg massive volc
11SRd10	481531	5460892	1275	fspar porph diorite sub volc 1-2 cm qv with py and po possible aspy
11SRd11	481434	5460742	1312	grey fg massive volc, with carbonate open crystalline 5cm vn, black powdery sections
11SRd12	481404	5460700	1308	quartz rusty, sidecast along road other side from oc
11SRd13	481404	5460706	1308	open veining crystalline carbonate 20cm flat lying and xc steep, with green flourite
11SRd14	481389	5460622	1289	10cm qv rusty with 15% py, vertical
11SRd15	428350	5762928	1382	rusty 30cm oxidized sulphide vein, remnant py, massive su vn
11SRd16	428350	5762923	1382	10cm siliceous sulphide band 10cm similar to sample 15

Figures 5 and 6 show the results for Mo/ W, and for Au/Ag respectively, from the 2011 rock sampling. The sample results indicate that there is elevated molybdenum and tungsten from sample 11SRd12, a rusty quartz vein sample taken from side-cast of road cut material. Several quartz veins were noted in outcrop the in area of this sample. Elevated gold and silver values were also returned from sample 11SRd12 (2342.6 ppb Au, 1030 ppb Ag). Several other samples returned elevated silver, up to 4846 ppb from sample 11SRd07. Many of these samples were taken from quartz-carbonate veins with sericite and mariposite alteration. Veins were noted to range from 2 centimeter to 50 centimetre size. Wall rock contained significant pyrite in places.

The host rocks in this area are composed of fine grained sedimentary rocks intruded by crystalline subvolcanic dioritic dykes or plugs. Alteration, including silicification and sericite with carbonate and mariposite, was noted in places. Pyrite is common, with minor sphalerite, galena, molybdenite, and chalcopyrite associated with veins.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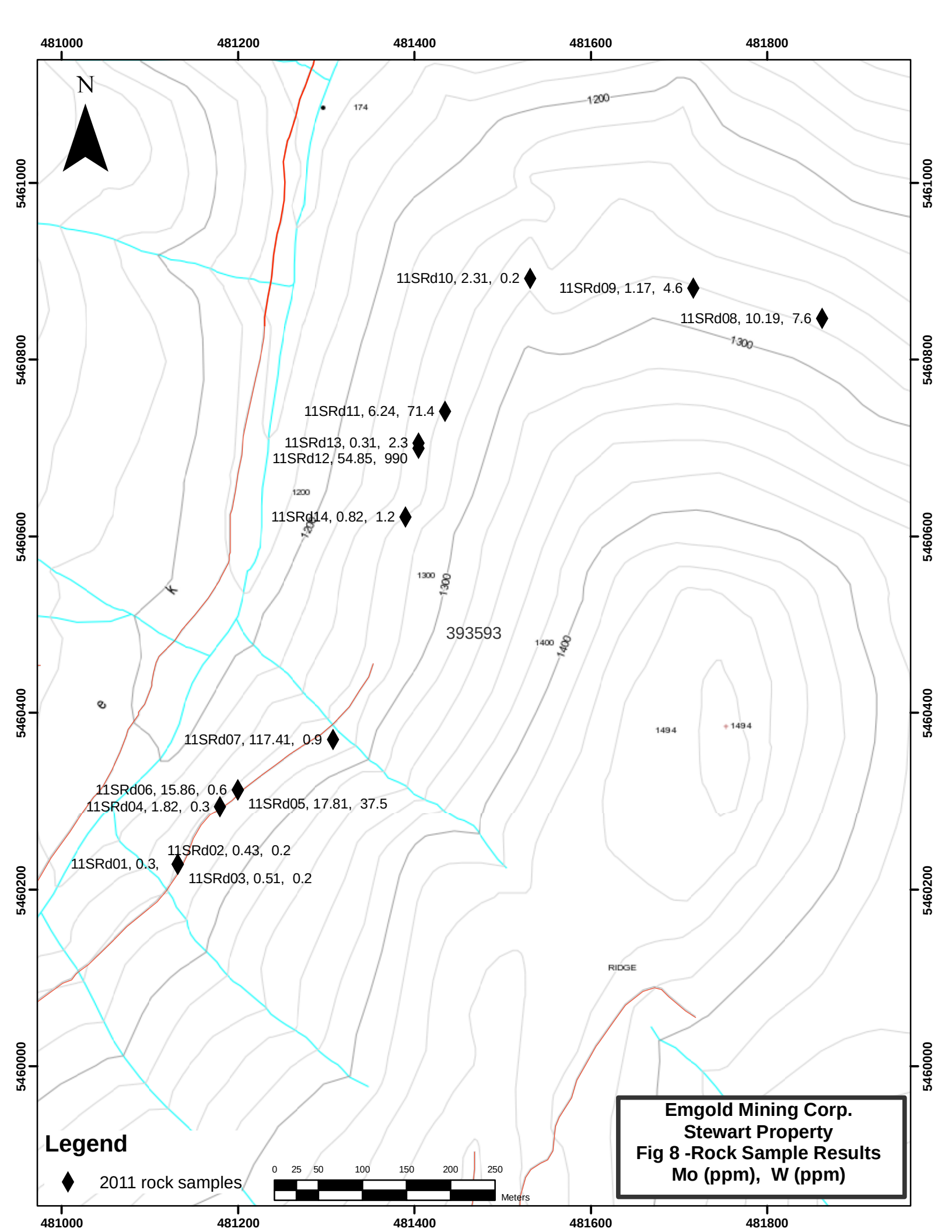
Meters
Emgold Mining Corp.
Stewart Property
Fig 5 -Rock Sample Locations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393593
11SRd10, 2.31, 0.2
11SRd09, 1.17, 4.6
11SRd08, 10.19, 7.6
11SRd11, 6.24, 71.4
11SRd13, 0.31, 2.3
11SRd12, 54.85, 990
11SRd14, 0.82, 1.2
11SRd07, 117.41, 0.9
11SRd06, 15.86, 0.6
11SRd04, 1.82, 0.3
11SRd05, 17.81, 37.5
11SRd02, 0.43, 0.2
11SRd01, 0.3,
11SRd03, 0.51, 0.2
RIDGE
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2011 rock samples
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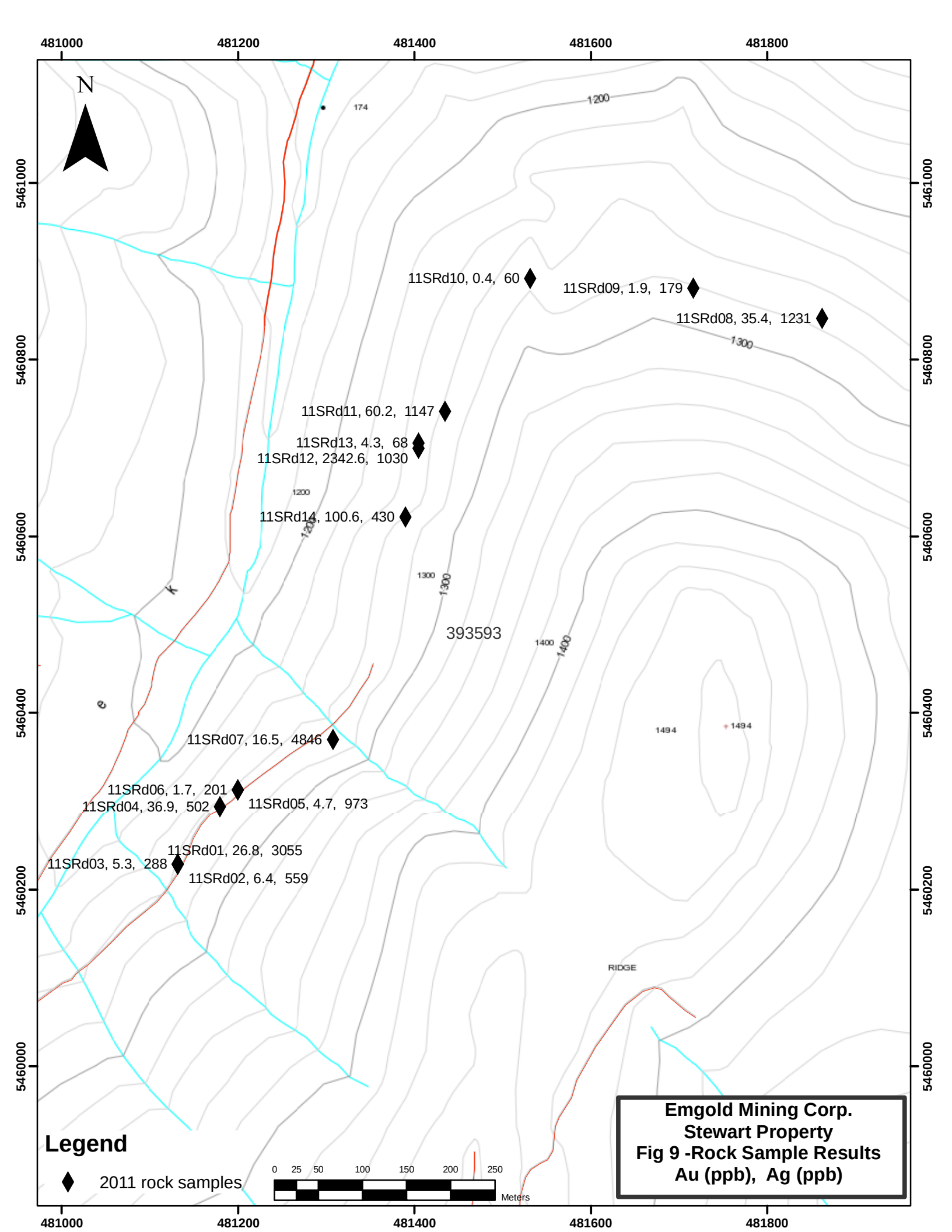
Meters
Emgold Mining Corp.
Stewart Property
Fig 8 -Rock Sample Results
Mo (ppm), W (ppm)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11SRd10, 0.4, 60
11SRd09, 1.9, 179
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11SRd11, 60.2, 1147
11SRd13, 4.3, 68
11SRd12, 2342.6, 1030
11SRd14, 100.6, 430
11SRd07, 16.5, 4846
11SRd06, 1.7, 201
11SRd04, 36.9, 502
11SRd05, 4.7, 973
11SRd01, 26.8, 3055
11SRd03, 5.3, 288
11SRd02, 6.4, 559
Legend
2011 rock samples
0 25 50 100 150 200 250
Meters
Emgold Mining Corp.
Stewart Property
Fig 9 -Rock Sample Results
Au (ppb), Ag (ppb)

10) DRILLING

During fall 2007, Emgold completed 3338.46 metres of diamond drilling in 30 drill holes completed within the Stewart Molybdenum and Arrow Tungsten zones. One objective of this drill program was to further verify the strong molybdenum breccia mineralization outlined by drilling in 1980 and 1981 by Shell Canada, and further drilled by Emgold in 2005. A second objective, and one designed to utilize the majority of the drill metreage, was to test the strong tungsten mineralization encountered in trenching of the Arrow Tungsten zone.

In 1980, Shell diamond drilled 3 holes and returned a best intercept of 57 metres grading 0.46% MoS_2. An additional 16 holes were drilled in 1981 by Shell Minerals, and 4 by Selco in 1983. The results indicate that "the (Phase II) breccia zone contains 204,000 tonnes of 0.37% MoS_2". Reports by Selco indicated the potential for a porphyry style molybdenum deposit adjacent to this Phase II breccia zone. The historic resource calculation reported here is not NI 43-101 compliant and must not be relied upon for investment purposes.

In order for Emgold to verify the results of previous drilling by Shell Canada, several holes were place to twin holes drilled by Shell. Drill holes SM05-01 and SM05-02 were drilled to twin Shell holes 81-9 and 81-3 respectively. Drill hole SM05-03 was drilled to cross the breccia host structure in the opposite direction of previous drilling to further assess the orientation of the body. Drill holes SM05-04 and SM05-05 were drilled within the core of the mineralized breccia body for analysis and molybdenum grade assessing. Drill hole SM05-04 was discontinued at a shallow depth due to difficult drilling conditions

Drilling through the molybdenum breccia body continued to return significant intercepts of molybdenum mineralization. Some of the best intercepts for molybdenum were returned from hole STW07-03 with a wide section from 55 metres to 80 metres within the hole returning values ranging from 1171 ppm (0.1171%) to 7310 ppm (0.731%). Other elevated molybdenum values were obtained from the tungsten skarn mineralized zone including the highest returned value from the 2007 drilling, from a sample taken from 42.9 to 44.73 metres in hole STW07-15 (0.763%).

Drilling along the Arrow Tungsten trend was successful at intersecting significant tungsten mineralization in several core intercepts. Core samples returned values ranging from 0.1% to 1% tungsten over widths of 1 to 2 metres. Full assay sheets and a table of sample intervals are provided within the appendices of this report.

2011 DRILLING PROGRAM

The focus of the 2011 program was to further delineate a molybdenum mineralized body that has been indentified from historic drilling on the property and by further drilling by

Emgold. The 2011 program consisted of 19 drill holes totaling 2,525.58 metres (8,273 feet).

Drill hole information is provided in Table 3 below.

Table 5 - 2011 Drill Hole Location, Orientation and Depth

Hole_id	UTM E	UTM N	elevation	Azimuth	Dip	Depth ft	Depth m
11SM01	480750	5458840	1622	16	-45	726	221.28
11SM02	480750	5458840	1622	105	-45	206	62.79
11SM03	480750	5458840	1622	285	-45	206	62.79
11SM04	480773	5458918	1611	0	-90	508	154.84
11SM05	480760	5458910	1608	0	-90	367	111.86
11SM06	480766	5458900	1613	55	-64	756	230.43
11SM07	480762	5458900	1613	0	-90	497	151.49
11SM08	480755	5458884	1604	0	-90	297	90.53
11SM09	480726	5458886	1601	0	-90	287	87.48
11SM10	480720	5458900	1597	103	-70	384	117.04
11SM11	480720	5458900	1597	0	-90	407	124.05
11SM12	480721	5458910	1601	68	-64	456	138.99
11SM13	480756	5458932	1600	140	-70	467	145.39
11SM14	480760	5458951	1596	144	-65	384	117.96
11SM15	480795	5458970	1598	204	-65	367	111.86
11SM16	480800	5458968	1602	0	-90	337	102.72
11SM17	480794	5458951	1601	0	-90	646	196.9
11SM18	480800	5458936	1597	0	-90	668	203.61
11SM19	480815	5458950	1594	0	-90	307	93.57

Drill core was removed from each drill site at the end of each shift. All drill core was logged at a secure facility in Salmo. Following drill core logging and sample layout, the core was split using a standard manual core splitter, and, for some intervals by using a diamond saw. One half of the core was then placed in a sample bag labeled with an assay tag number and the second half returned to the core box with its location marked with the same assay tag number.

The core to be assayed was shipped by trucking company from site directly to ACME Labs Ltd in Vancouver, BC. All sample preparation was done at the laboratory by their staff.

Acme is currently registered with ISO 9001:2000 accreditation. The International Standards Organization (ISO) adopted a series of guidelines (ISO 9000 to 9004) for the global standardization of Quality Assurance for products and services. A company seeking accreditation must implement and maintain a quality assurance system that is compliant with one of the three applicable models (i.e. ISO 9001, 9002 or 9003). Some of the aspects specifically addressed in a quality assurance system include:

- Responsibility of management in defining and achieving quality goals,
- Contract review to ensure customer needs are understood and met,
- Procurement of supplies and services capable of delivering the desired level of quality,
- Handling of material supplied by the customer to ensure integrity,
- Controlling processes to ensure consistency of quality,
- Inspection and testing to ensure that all work meets or exceeds quality criteria,
- Correction and prevention of non-conformities (errors),
- Training of staff, and
- Statistical analyses to ensure quality criteria are met.

The lab utilizes standards and duplicate analysis of samples as part of their quality assurance. The certificates of analysis indicate re-assay or duplicate analysis with the prefix "RE". Standards submitted during the analysis of samples are prefixed "STANDARD". The laboratory identifies and remedies situations where the analysis of duplicates or standards is not within allowable levels of variation.

Perry Grunenberg personally monitored procedures for sample collection and delivery to courier in either Salmo or Castlegar, BC. From point of collection until delivery to the courier, the samples were under complete control of Emgold contactors.

The assay laboratory catalogues all samples and assures a complete chain of custody of each sample through the analytical process. Samples were analyzed by multi-acid leach ICP-MS providing ultra-low detection for most elements of interest.

A total of 1148 drill core samples were collected from the 19-hole 2011 drill program.

DATA VERIFICATION

In addition to the Acme Lab procedures, quality control and assurance (QA/QC) and data verification also included the use of independent standards and blanks inserted by Emgold into the drill core sample stream. A blank and a standard were randomly inserted into each block of approximately 15 to 20 samples. The standard material was supplied by CDN Resource Laboratories of Vancouver, BC. Standards CM-11a and CM-12 provide consistent analytical values for gold, copper and molybdenum. The blank material was derived from a landscape supplier, consisting of magnesium-calcium dolomite stone, considered to be devoid of any of the elements of interest in the drilling program. CDN certificates of analysis for the standards used are provided in the appendices of this report. The results of the drill core sampling QA/QC are presented below.

Plotted values, with 2 standard deviation and mean values are shown in figures 7 and 8. Standard material CDN CM12 returned molybdenum values generally consistent with the recommended value of 0.112% (1120ppm) +/- 120ppm. Standard CDN CM11A results were generally consistent with the recommended value for molybdenum of 0.038% (380ppm) +/- 40ppm, with exception of sample 1389851, which fell below the 2 standard

deviation line. The results of analysis for core that followed this standard insertion were not significant for molybdenum.

The laboratory results for the blank material that was inserted into the sample stream returned low values for molybdenum, as expected for the dolomite rock utilized. One sample returned a result above the 2 standard deviation, with 13.8 ppm mo. The core samples before and after this blank insertion returned elevated values for molybdenum (669.62 and 815.06 ppm). The plotted values for blanks are shown on figure 9.

Figure 7- Standard Material CM-11A Plot

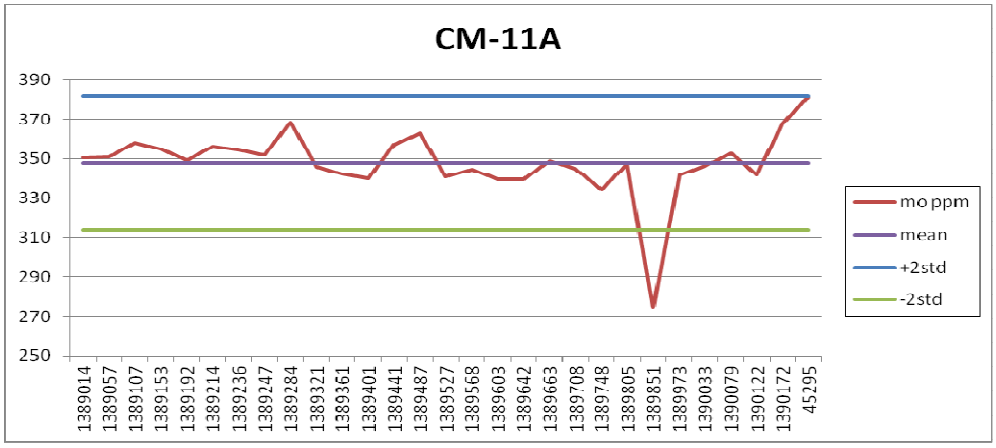


Figure 8- Standard Material CM-12 Plot

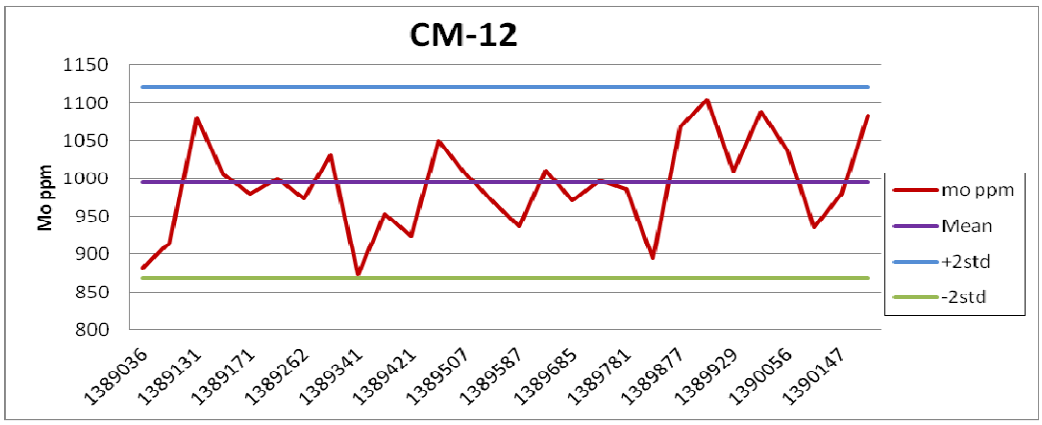
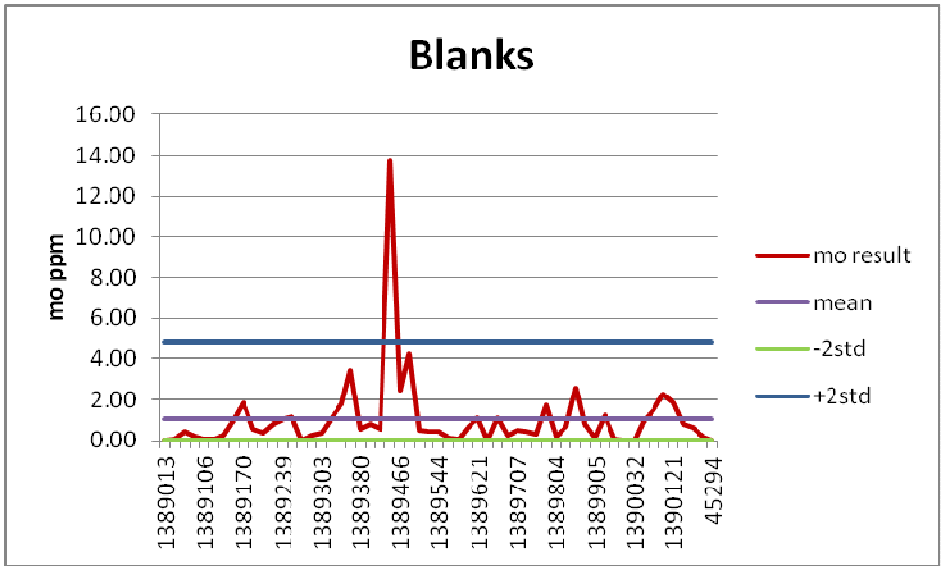
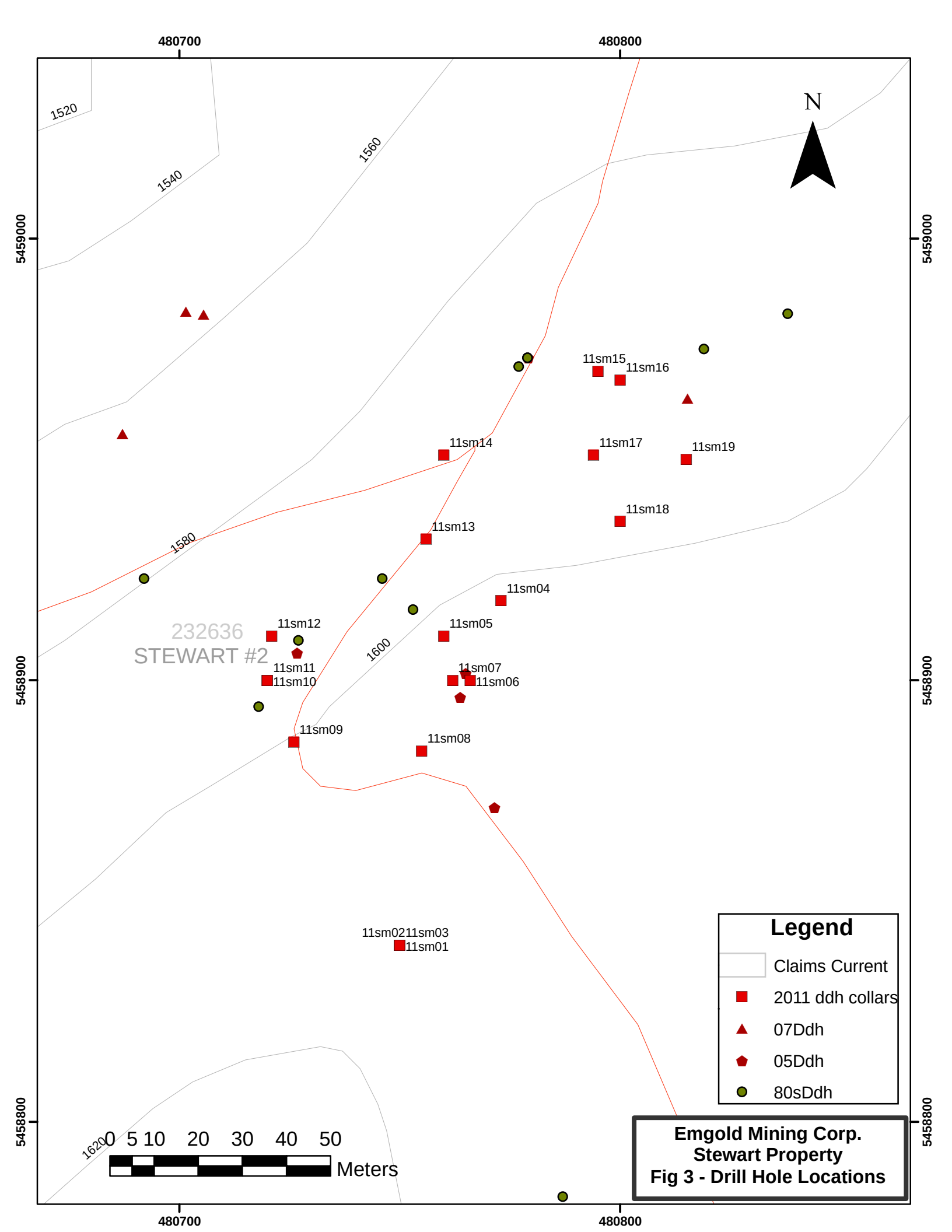


Figure 9- Blanks Plot




480700
480800
5459000
5458900
5458800
N
1520
1540
1560
1580
1600
1620
11sm15
11sm16
11sm14
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11sm07
11sm06
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11sm08
11sm02
11sm03
11sm01
232636
STEWART #2
0 5 10 20 30 40 50
Meters
Legend
Claims Current
2011 ddh collars
07Ddh
05Ddh
80sDdh
Emgold Mining Corp.
Stewart Property
Fig 3 - Drill Hole Locations

DRILLING RESULTS – 2011

Results of the 2011 drill program are summarized within Table 4. Drill sections are provided within the appendices of this report.

Table 4 - Significant 2011 Drilling Results

Hole Number	From (m)	To (m)	Intercept Width* (m)	MoS_2** (%)	Mo (%)	Au ppb
11SM01	81.3	82.68	1.38	0.081	0.049	
	129.84	131.40	1.56			*1148.5*
	201.40	202.40	1.00			*620.2*
11SM02	No Significant Values					
11SM03	29.80	32.31	2.51			*530.2*
	44.50	47.55	3.05	0.0284	0.017	
11SM04	3.80	5.49	1.69	0.0984	0.059	
	5.49	6.96	1.47	0.0867	0.052	
	16.13	17.68	1.55	0.3069	0.184	
	19.35	20.57	1.22	0.1151	0.069	
	21.50	22.65	1.15	0.1451	0.087	
	29.00	32.02	3.02	0.0567	0.034	
11SM05	1.51	4.1	2.59	0.0601	0.036	
	8.23	**12.62**	4.39	0.122	0.073	
including	8.23	9.2	0.97	0.2302	0.138	
and	9.2	11.27	2.07	0.0684	0.041	
and	11.27	12.62	1.35	0.1268	0.076	
	23.47	24.85	1.38	0.1635	0.098	
	32.5	35	2.50			*1170.9*
	35	36.5	1.50			*3935.5*
11SM06	14.02	15.5	1.48	0.3086	0.185	
	31.1	32.61	1.51	0.2419	0.145	
	47.25	**105.9**	58.65	0.198	0.119	
including	47.25	48.36	1.11	0.1435	0.086	
and	48.36	50.6	2.24	0.1618	0.097	
and	50.6	53.64	3.04	0.1985	0.119	
and	54.97	56.69	1.72	0.1151	0.069	
and	56.69	59.74	3.05	0.1635	0.098	
and	59.74	61	1.26	0.1918	0.115	
and	61	62.79	1.79	**0.4404**	0.264	
and	62.79	65.84	3.05	0.1685	0.101	
and	65.84	67.9	2.06	0.1234	0.074	
and	67.9	69.6	1.70	0.2035	0.122	
and	71.8	72.87	1.07	0.1668	0.1	
and	72.87	74.98	2.11	0.2319	0.139	
and	74.98	77.05	2.07	**0.4971**	0.298	
and	77.05	78.5	1.45	0.0367	0.022	
and	78.5	80	1.50	0.2652	0.159	
and	80	81.5	1.50	0.2936	0.176	
and	81.5	83.9	2.40	**0.5038**	0.302	
and	83.9	85.07	1.17	0.2469	0.148	
and	85.07	86.85	1.78	0.2969	0.178	
and	86.85	88	1.15	0.0767	0.046	
and	88	89.5	1.50	0.0951	0.057	
and	89.5	91.5	2.00	0.1084	0.065	
and	91.5	93.5	2.00	0.0601	0.036	
and	93.5	95.5	2.00	0.0834	0.05	
and	95.5	97.05	1.55	0.2902	0.174	

and	97.05	98.8	1.75	0.055	0.033	
and	98.8	100.8	2.00	0.0934	0.056	
and	100.8	101.9	1.10	0.1518	0.091	
and	101.9	103	1.10	0.1418	0.085	
and	103	103.9	0.90	**0.5822**	0.349	
and	103.9	105.9	2.00	0.2285	0.137	
11SM07	1.83	3.33	1.50	0.3153	0.189	
	3.33	5.18	1.85	0.1451	0.087	
	6.68	8.23	1.55	0.1368	0.082	
	17.67	**20.42**	4.92	0.233	0.139	
including	17.67	18.27	0.6	**0.9792**	0.587	
and	18.27	19.4	1.13	0.1535	0.092	
and	19.4	20.42	1.02	0.342	0.205	
	46.65	48.65	2.00	0.2235	0.134	
11SM08	34.32	35.66	1.34			*1269.8*
	57	58	1.00	0.1268	0.076	
11SM09	No Significant Values					
11SM10	12.8	14.62	1.82			*1649.7*
	50.9	52.17	1.27	0.1301	0.078	
11SM11	66.14	69.19	3.05			*350.2*
	81.38	84.43	3.05			*380.9*
	84.43	87.48	3.05			*226.7*
11SM12	6.92	8.45	1.53	0.2552	0.153	
	8.45	10.97	2.52	0.1385	0.083	
	17.07	18.57	1.50	0.2352	0.141	
	20.12	21.62	1.50	0.1852	0.111	
	29.26	32.31	3.05	0.1401	0.084	
	39.9	41.45	1.55	0.1885	0.113	
	42.87	**52.12**	9.25	0.194	0.116	
including	42.87	44.5	1.63	0.3036	0.182	
and	44.5	46	1.50	0.1535	0.092	
and	46	47.55	1.55	0.1701	0.102	
and	47.55	50.6	3.05	0.2068	0.124	
and	50.6	52.12	1.52	0.1151	0.069	
	132.76	132.97	0.21			***7094.9***
11SM13	No Significant Values					
11SM14	43.3	44.5	1.20	**0.4087**	0.245	
	69.19	70.7	1.51	0.1785	0.107	

Highlights of the 2011 diamond drill program include: drill hole 11SM06 that returned 58.65 metres averaging 0.198% MoS_2, with 0.58% MoS_2 over 0.9 metres; drill hole 11SM07 that returned 4.92 metres averaging 0.233% MoS_2 with 0.98% MoS_2 over 0.6 metres; hole 11SM12 that returned 9.25 metres averaging 1.94% MoS_2; hole 11SM17 that returned 1.03 metres of 0.98% MoS_2; and hole 11SM18 that returned 1.87 metres of 0.56% MoS_2.

The result of the 2011 drill program continues to define the molybdenum breccia body. Figures 11 through 18 provide plans and sections through the area of drilling. Modeling of the molybdenum mineralized body using Gemcom-Surpac software indicates that the mineralization is primarily contained within a structure that is spatially related to the granite-sedimentary rock contact. The structure has been interpreted as the result of hydrofracturing events related to intrusive emplacement and crystallization (Turner, 1981). The contact area between the granite and host sedimentary rocks may have

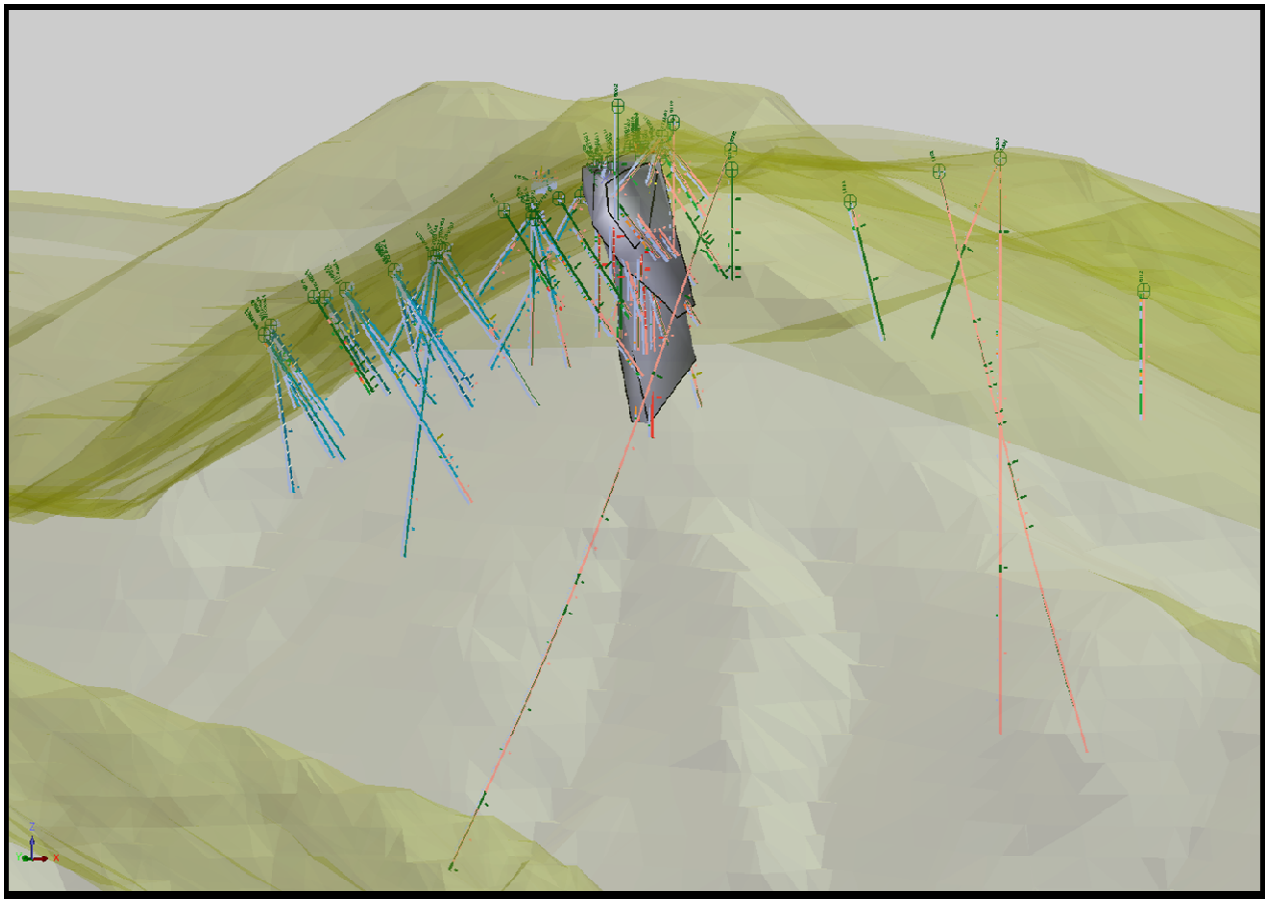

Figure 19 – Stewart Molybdenum and Tungsten zone drilling (blue) with Molybdenum Mineralized Geologic Solid (grey), Looking NNE Through Topography

provided a focus for hydrothermal fluid migration and associated fracturing. The mineralized solid shown on figure 19 was modeled from sections where consistent elevated molybdenum values were returned from the host breccia structure. Areas within the solid may not contain significant molybdenum values, and there may be significant values isolated outside of the solid.

Molybdenite mineralization is associated with a late phase of brecciation (historically termed Phase II). The mineralization forms a steeply dipping mass, and is present as fine molybdenite disseminations within the breccia matrix as well as selvages associated with quartz veinlets and fracture fillings in sedimentary rock. Mineralized fragments suggest the possibility of at least one earlier mineralizing event encapsulated in a later stage event.

The molybdenum content within the mineralized solid (as presented in figure 19) is highly variable. This variability is due to the complexity of the brecciation, with percentages of barren fragments, mixed with molybdenum-bearing matrix and fragments, presenting a non-homogenous mineralized body. From visual observation of intercepts

mineralization associated with the Moly Breccia zone is highly variable. Continuous homogenous zones with higher grades (>0.5%) are considered unlikely. However, it is not within the scope of this report to estimate either the molybdenum or tungsten resources on the Stewart Property. Further analysis of the database is warranted, prior to formulating a program for continued exploration over these zones.

Emgold is contemplating a review and update of all of the information available for the Stewart Property. This is to include the tungsten and molybdenum zones, as well as the Free Silver and Craigtown Creek Gold zones. At this time, there are abundant surface sample results, geophysical results, geologic mapping and airborne survey results from historic exploration that are only available on paper.

Previous exploration on the Stewart Property has concentrated on gold mineralization evidenced from soil sampling, rock sampling and core drilling. With the continued gold markets at an all-time high, continued exploration of the property for gold potential is recommended.

Respectfully submitted,

Perry Grunenberg, P.Geo.

12) REFERENCES

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HUMPHREYS, N., 1993; Report on the Diamond Drilling on the Denny Prospect for Cameco Corp.: BC Ministry of Energy and Mines Assessment Report.

13) COST STATEMENT

Task Description	Acct Desc	Name	Amount	TranDesc
Accomodation	Transportation	Perry Grunenberg	689.48	PBG001 Sep1-15 11 Hotel
Accomodation	Transportation	Perry Grunenberg	1153.25	PBG001 Aug 16-31 11 Hotel
Accomodation	Transportation	Perry Grunenberg	841.92	PBG001 Aug1-15 11 Salmo Hotel
Accomodation	Transportation	Perry Grunenberg	79.33	PBG001 Jul 16-31 11 - Hotel
Assays and Analysis	Assays & Analysis - IM	Vancouver Petrographics Ltd.	5466.04	VAN001 Nov 11 - Assays
Assays and Analysis	Assays & Analysis - IM	Perry Grunenberg	242.25	PBG001 Sep1-15 11 Assays
Assays and Analysis	Assays & Analysis - IM	Acme Analytical Labs	218.42	ACM001 Assays - Jul 11
Assays and Analysis	Assays & Analysis - IM	Acme Analytical Labs	450.00	ACM003 Nov 11 - Assays
Assays and Analysis	Assays & Analysis - IM	Acme Analytical Labs	218.40	ACM003 Dec 11 - Assays
Assays and Analysis	Assays & Analysis - IM	Acme Analytical Labs	7,283.04	ACM003 Nov 11 - Assays
Assays and Analysis	Assays & Analysis - IM	Acme Analytical Labs	5,279.03	ACM003 Nov 11 - Assays
Assays and Analysis	Assays & Analysis - IM	Acme Analytical Labs	8,599.47	ACM003 Nov 11 - Assays
Assays and Analysis	Assays & Analysis - IM	Acme Analytical Labs	6,563.74	ACM003 Assays - Nov 11
Assays and Analysis	Assays & Analysis - IM	Acme Analytical Labs	4,281.46	ACM003 Nov 11 - Assays
Assays and Analysis	Assays & Analysis - IM	Acme Analytical Labs	1,541.00	ACM003 Nov 11 - Assays
Assays and Analysis	Assays & Analysis - IM	Acme Analytical Labs	2,157.48	ACM003 Nov 11 - Assays
Assays and Analysis	Assays & Analysis - IM	Acme Analytical Labs	1,066.82	ACM003 Oct 11 - Assays
Assays and Analysis	Assays & Analysis - IM	Acme Analytical Labs	7,048.58	ACM003 Oct 11 - Assays - Stew
Assays and Analysis	Assays & Analysis - IM	Acme Analytical Labs	321.05	ACM003 Sep11 - Assays
Assays and Analysis	Assays & Analysis - IM	Acme Analytical Labs	5,694.65	ACM003 Sep11 - Assays
Contractors/Consultants/Tempor	Geology - IM	Perry Grunenberg	671.83	PBG001 Geo Work - Mar 11
Contractors/Consultants/Tempor	Geology - IM	Perry Grunenberg	666.73	PBG001 Geo Work - Feb1-28 11
Contractors/Consultants/Tempor	Geology - IM		673.92	PBG001 Jun 9/22-GeoWork/110602
Contractors/Consultants/Tempor	Geology - IM		671.07	PBG001 May 1-15 GeoWork/110505
Contractors/Consultants/Tempor	Geology - IM		343.41	PBG001 Apr1-15 Geo Work/110403
Contractors/Consultants/Tempor	Geology - IM	Perry Grunenberg	12521.76	PBG001 Dec13-31 11 Geo Work
Contractors/Consultants/Tempor	Geology - IM	Perry Grunenberg	343.71	PBG001 Nov 11 - Geo Work
Contractors/Consultants/Tempor	Geology - IM	Perry Grunenberg	333.9	PBG001 Sep17-27 Geo Work
Contractors/Consultants/Tempor	Geology - IM	Perry Grunenberg	7150.15	PBG001 Sep1-15 11 Geo Work
Contractors/Consultants/Tempor	Geology - IM	Nathan Sneddon	2298.26	SNN001 Core Work Sep 7-16 11
Contractors/Consultants/Tempor	Geology - IM	Bob Denny	1264.04	DEB001 Sep 8-13 Core Splting
Contractors/Consultants/Tempor	Geology - IM	Jack Denny	1130.4	DEJ001 Aug23-Sep7 11 Core Work
Contractors/Consultants/Tempor	Geology - IM	Nathan Sneddon	1818.55	SNN001 Aug 23-31 11 - Geo Work
Contractors/Consultants/Tempor	Geology - IM	Nathan Sneddon	1136.59	SNN001 Sep1-6 11 Geo Work
Contractors/Consultants/Tempor	Geology - IM	Bob Denny	1397.07	DEB001 Sep 1-5 Geo Work
Contractors/Consultants/Tempor	Geology - IM	Perry Grunenberg	11481.3	PBG001 Aug 16-31 11 Geo Work
Contractors/Consultants/Tempor	Geology - IM	Bob Denny	4470.64	DEB001 Aug16-31 11 Geo Work
Contractors/Consultants/Tempor	Geology - IM	Nathan Sneddon	1363.5	SNN001 Aug 17-22 Core Work
Contractors/Consultants/Tempor	Geology - IM	Jack Denny	502.35	DEJ001 Jul 11 - Geo Work
Contractors/Consultants/Tempor	Geology - IM	Perry Grunenberg	8215.13	PBG001 Aug1-15 11 Geo Work
Contractors/Consultants/Tempor	Geology - IM	Bob Denny	2245.12	DEB001 Aug1-15 Geo Work
Contractors/Consultants/Tempor	Geology - IM	Perry Grunenberg	1031.32	PBG001 Jul 16-31 11 - Geo Work
Contractors/Consultants/Tempor	Geology - IM	Perry Grunenberg	1021.69	PBG001 Jul 1-15 11 IR Work
Contractors/Consultants/Tempor	Geology - IM	Dennis Johnson	1914.18	JOH002 Mar 1-28 - Geo Work
Contractors/Consultants/Tempor	Geology - IM	Dennis Johnson	1367.27	JOH002 Apr 3-24 - Geo Work
Contractors/Consultants/Tempor	Geology - IM	Dennis Johnson	1842.94	JOH002 Jan24-Feb25 11 Geo Work
Courier	Site Activities - IM	Perry Grunenberg	27.38	PBG001 Nov 11 - Courier
Diamond Drilling	Drilling - IM	Wade Critchlow Enterprises Ltd	63041.02	WAD002 Sep 11 - Drilling
Diamond Drilling	Drilling - IM	Wade Critchlow Enterprises Ltd	97984.48	WAD002 Aug 11 - Drilling
Diamond Drilling	Drilling - IM	Wade Critchlow Enterprises Ltd	133463.4	WAD002 Aug 11 Drilling SM01-09
Employee Benefits	Geology - IM	Worker's' Compensation Board	291.11	WOR001 Jul to Sep 11 - WCB
Employee Benefits	Geology - IM	Worker's' Compensation Board	66.42	WOR001 Q2 WCB Premiums
Employee Benefits	Geology - IM	Worker's' Compensation Board	33.04	WOR001 WCB - Jan to Mar 2011
Field Groceries	Transportation	Perry Grunenberg	117.47	PBG001 Sep1-15 11 Grocery
Field Groceries	Transportation	Perry Grunenberg	280.09	PBG001 Aug 16-31 11 Groceries
Field Supplies and Consumables	Assays & Analysis - IM	Acme Analytical Labs	183.88	ACM001 Assay Bags - Aug 11
Field Supplies and Consumables	Site Activities - IM	Perry Grunenberg	248.51	PBG001 Sep1-15 11 Supplies
Field Supplies and Consumables	Site Activities - IM	Quorum Management & Admin Ser	596.86	LMC001 Aug 11 - Deakin Equip.
Field Supplies and Consumables	Site Activities - IM	Perry Grunenberg	362.61	PBG001 Aug 16-31 11 Supplies
Field Supplies and Consumables	Site Activities - IM	Bob Denny	80.43	DEB001 Aug1-15 Supplies
Fuel & Oil	Transportation		52.96	PBG001 Jun 9/22 - Fuel /110602
Fuel & Oil	Transportation	Perry Grunenberg	204.46	PBG001 Sep1-15 11 Fuel
Fuel & Oil	Transportation	Bob Denny	53.85	DEB001 Sep 1-5 Fuel
Fuel & Oil	Transportation	Perry Grunenberg	439.43	PBG001 Aug 16-31 11 Fuel
Fuel & Oil	Transportation	Bob Denny	423.58	DEB001 Aug16-31 11 Fuel
Fuel & Oil	Transportation	Bob Denny	129.39	DEB001 Aug1-15 Fuel
Fuel & Oil	Transportation	Perry Grunenberg	83.77	PBG001 Jul 16-31 11 - Fuel
Meals	Transportation	Perry Grunenberg	153.4	PBG001 Sep1-15 11 Meals
Meals	Transportation	Perry Grunenberg	153.92	PBG001 Aug 16-31 11 Meals
Mobilization/Demobilization	Drilling - IM	Wade Critchlow Enterprises Ltd	5061.63	WAD002 Sep 11 - Demob.
Mobilization/Demobilization	Drilling - IM	Wade Critchlow Enterprises Ltd	13997.57	WAD002 Aug 11 Mobilization
Rental - Field Equipment	Site Activities - IM	Jack Denny	35.32	DEJ001 Aug23-Sep7 11 Pwr Saw
Rental - Field Equipment	Site Activities - IM	Wade Critchlow Enterprises Ltd	5455.65	WAD002 Sep 11 - Tool Rntl
Rental - Field Equipment	Site Activities - IM	Wade Critchlow Enterprises Ltd	510.52	WAD002 Aug 11 - Pump Rntl
Rental - Field Equipment	Site Activities - IM	Jack Denny	36.63	DEJ001 Jul 11 - Power Saw
Rental - Field Equipment	Site Activities - IM	Wade Critchlow Enterprises Ltd	2432.6	WAD002 Aug 11 Pump/Lowbed
Salaries - Monthly	Geology - IM		33,587.57	Idaho-Maryland Mining-Hada/Pea
Sample Storage Costs	Assays & Analysis - IM	Rae Mark Veneer	959.79	VER001 Core Boxes Sep 11
Sample Storage Costs	Drilling - IM	Wade Critchlow Enterprises Ltd	1636.69	WAD002 Sep 11 - Core Boxes
Sample Storage Costs	Drilling - IM	Wade Critchlow Enterprises Ltd	2481.11	WAD002 Aug 11 - Core Boxes
Sample Storage Costs	Drilling - IM	Wade Critchlow Enterprises Ltd	3420.84	WAD002 Aug 11 Core Boxes
Shipping & Freight	Assays & Analysis - IM	Overland West Freight Lines	531.92	OVE001 Sep 11 - Assay Shipping
Shipping & Freight	Assays & Analysis - IM	Overland West Freight Lines	414.38	OVE001 Assay Shppng Sep 6 11
Shipping & Freight	Assays & Analysis - IM	Overland West Freight Lines	527.91	OVE001 Assay Shppng Sep12 11
Shipping & Freight	Assays & Analysis - IM	Overland West Freight Lines	365.24	OVE001 Assay Shppng Aug 31 11
Shipping & Freight	Assays & Analysis - IM	Overland West Freight Lines	318.46	OVE001 Aug 25 11 Assay Shppng
Shipping & Freight	Assays & Analysis - IM	Overland West Freight Lines	363.31	OVE001 Aug 23 11 Assay Shppng
Shipping & Freight	Assays & Analysis - IM	Overland West Freight Lines	180.91	OVE001 Assay Shipping Aug 18
Shipping & Freight	Assays & Analysis - IM	Acme Analytical Labs	42.15	ACM001 Freight - Aug 11
Shipping & Freight	Assays & Analysis - IM	Overland West Freight Lines	235.86	OVE001 Assay Shipping Aug 11
Shipping & Freight	Site Activities - IM	Quorum Management & Admin Ser	49.01	LMC001 Aug 11 - Deakin Equip.
Truck Rental/Lease Costs	Transportation		51.84	PBG001 Jun 9/22-TruckKM/110602
Truck Rental/Lease Costs	Transportation	Perry Grunenberg	1021.45	PBG001 Sep1-15 11 Truck KM
Truck Rental/Lease Costs	Transportation	Jack Denny	75.7	DEJ001 Aug23-Sep7 11 Truck KM
Truck Rental/Lease Costs	Transportation	Bob Denny	381.02	DEB001 Sep 1-5 Truck Rntl
Truck Rental/Lease Costs	Transportation	Perry Grunenberg	1640.18	PBG001 Aug 16-31 11 Truck Rntl
Truck Rental/Lease Costs	Transportation	Bob Denny	762.04	DEB001 Aug16-31 11 Truck Rntl
Truck Rental/Lease Costs	Transportation	Perry Grunenberg	1122.56	PBG001 Aug1-15 11 Truck KM
Truck Rental/Lease Costs	Transportation	Bob Denny	153.08	DEB001 Aug1-15 Truck 2 days
Truck Rental/Lease Costs	Transportation	Perry Grunenberg	158.66	PBG001 Jul 16-31 11 - Truck KM
		TOTAL	503,555.30	

14) QUALIFICATIONS

I, **Perry Grunenberg**, hereby certify that:

1. I am an independent Consulting Geologist with PBG GEOSCIENCE having an office at 2016 High Country Blvd, Kamloops, British Columbia, V2E 1L1.
2. I am a graduate of the University of British Columbia with the degree of Bachelor of Science in Geology (1982).
3. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia (Registration No. 19246) and a Fellow of the Geological Association of Canada (Membership No. F5203).
4. I have practiced my profession in North America since 1982, having worked as an employee and consultant for major mining corporations, junior resource companies and BC government ministries.
5. This report is based upon a personal examination of company and government reports pertinent to the subject property. I personally managed and conducted work performed by Emgold Mining Corporation on the Stewart Property in 2011.
6. I have prepared all sections of this report as well as the illustrations. Sources of information are noted on the illustrations or text of this report.
7. In the disclosure of information relating to title and rights associated with the mineral claims I have relied on the information provided to me by Emgold Mining Corporation and the property vendors.
8. The author utilized Gemcom-Surpac 6.3 software for producing drill hole sections, and ArcGIS software for some of the map preparations in this report.

March 12, 2012 Perry Grunenberg, P.Geo.
Kamloops, B.C.
Consulting Geologist

APPENDICES

APPENDIX I

DRILL HOLE SECTIONS
VANCOUVER PETROGRAPHIC THIN SECTION STUDY REPORT

APPENDIX II

DIAMOND DRILLING CORE LOGS
TAG NUMBER / SAMPLE INTERVAL CHART

APPENDIX III

CERTIFICATES OF ANALYSES

Report 111130 for

Perry Grunenberg,
Emgold Mining Corp.,
1400 – 570 Granville Street,
Vancouver, BC, V6C 3P1

November, 2011

perrygrunenberg@shaw.ca, rpease@idaho-maryland.com

Samples: **11SM01: 47.7, 82.0**
11SM04: 22.4
11SM06: 14.2, 22.0, 76.7, 100.0, 146.3
11SM07: 47.8, 90.25
11SM14: 25.0
SM0501: 44.5, 196.8, 119.1
SM0505: 65.7

Summary:

Sample 11SM01 47.7 is of medium grained granodiorite, dominated by plagioclase (altered moderately to calcite and muscovite and locally to kaolinite) with lesser quartz and much less abundant hornblende (altered completely to calcite), K-feldspar, and biotite (altered strongly to completely to pseudomorphic muscovite and/or chlorite and calcite), with accessory Ti-oxide (after ilmenite), sphene, apatite, pyrite, and pyrrhotite. A vein is of quartz. A vein is of K-feldspar with much less abundant quartz and calcite. Several wispy veinlets are of calcite, and one of these also contains chlorite.

Sample 11SM01 82.0 contains patches of granodiorite dominated by plagioclase (altered moderately to muscovite and calcite) and K-feldspar, with much less abundant quartz, hornblende (altered completely to calcite), and biotite (altered completely to pseudomorphic muscovite), with accessory pyrite, and minor Ti-oxide, apatite, and chalcopyrite. This was cut by or replaced by much finer grained aplite dominated by K-feldspar and quartz with minor plagioclase, muscovite, and Ti-oxide. Contacts between the two rock types range from sharp to diffuse. Molybdenite forms scattered flakes. A discontinuous veinlet is of quartz.

Sample 11SM04 22.4 is of an intrusive breccia that containing fragments of medium grained granodiorite, which consist of intergrowths of plagioclase, K-feldspar, and quartz, with minor biotite (altered completely to chlorite-calcite) and disseminate patches of pyrite. The groundmass is of aplite/granite that is dominated by K-feldspar with lesser quartz and much less abundant plagioclase.

Sample 11SM06 14.2 contains fragments up to 2.5 cm in size of medium to finer grained granodiorite dominated by plagioclase (altered moderately to sericite and calcite) and quartz, with much less abundant K-feldspar and minor biotite (altered completely to pseudomorphic muscovite), sphene (altered completely to Ti-oxide), and pyrite. These are contained in a groundmass of aplite dominated by K-feldspar with lesser quartz, much less abundant ankerite and muscovite, minor patches of pyrite and of pyrrhotite, and wispy disseminated flakes and clusters of flakes of molybdenite.

Sample 11SM06 22.0 is of granite that is dominated by K-feldspar with lesser quartz and plagioclase, with much less abundant biotite and hornblende (both altered strongly to completely to muscovite-calcite), minor sphene, pyrrhotite, and pyrite, and trace chalcopyrite. An early vein is of quartz. A vein is of quartz-with bands along the margins rich in molybdenite, ankerite, muscovite, and pyrite. A smaller subparallel vein is of quartz with lesser pyrite and molybdenite.

Sample 11SM06 76.7 is of pegmatitic granite that is dominated by K-feldspar with much less abundant quartz and minor plagioclase (altered completely to sericite). Replacement patches and abundant veinlets are of quartz-sericite-ankerite-pyrite-Ti-oxide-(chalcopyrite). At one end is a replacement zone of ankerite-sericite-pyrite-molybdenite.

Sample 11SM06 100 contains two major zones. Half of the sample consists of an intergrowth of K-feldspar with lesser quartz and muscovite, and minor calcite, apatite, and Ti-oxide. The other half consists of coarse grained quartz with much less disseminated calcite and minor muscovite; K-feldspar grains along the margins of the quartz-rich patch commonly have euhedral terminations. The coarse grained quartz zone is cut by several irregular wispy pyrite veinlets.

Sample 11SM06 146.3 is of muscovite quartz-bearing syenite. It is dominated by K-feldspar with lesser plagioclase (altered moderately to muscovite-[ankerite]), muscovite, ankerite, quartz, and pyrite, and minor ilmenite/Ti-oxide. A few wispy veinlets are of pyrite and one veinlet is of ankerite-(rutile).

Sample 11SM07 47.8 of a variable granodiorite that is dominated by plagioclase and K-feldspar with lesser quartz, accessory garnet (altered slightly to chlorite) and hornblende (altered moderately to tremolite/actinolite) with minor sphene (altered locally to Ti-oxide) and pyrite. The brecciated zone contains megacrysts of K-feldspar in a matrix of much finer grained K-feldspar and quartz, with lesser plagioclase and minor pyrite, molybdenite, apatite, and sphene.

Sample 11SM07 90.25 is of medium grained granodiorite dominated by subhedral plagioclase with interstitial K-feldspar, lesser quartz and subhedral diopside (altered slightly to actinolite, calcite, and chlorite), much less abundant biotite (altered strongly to completely to muscovite-calcite) and hornblende (altered slightly to epidote-calcite), and accessory sphene, magnetite, and apatite. Replacement patches are of pyrrhotite and calcite with much less abundant pyrite and minor chalcopyrite.

Sample 11SM14 25.0 is of granodiorite that is dominated by subhedral plagioclase grains with scattered porphyroblasts of K-feldspar, interstitial patches of quartz disseminated grains of diopside and much less abundant hornblende, accessory sphene and pyrrhotite, and minor apatite. A discontinuous veinlet is of garnet and lesser pyrrhotite. A few late veinlets are of calcite and chlorite.

Sample SM0501 44.5 is of medium grained granodiorite that is dominated by K-feldspar (in part megacrysts) with lesser plagioclase (altered moderately to muscovite), much less abundant quartz, and minor biotite (altered completely to calcite-muscovite-Ti-oxide), apatite, sphene, and rutile. A large replacement patch and several smaller ones are of pyrrhotite and lesser pyrite and minor chalcopyrite; many sulphide patches are rimmed by siderite with lesser muscovite/sericite.

Sample SM0501 106.8 is of granodiorite that is dominated by K-feldspar with lesser plagioclase (altered moderately to muscovite and lesser ankerite) and much less abundant quartz. A vein a few mm wide is dominated by coarse grained quartz with a central zone containing molybdenite flakes and patches of ankerite, muscovite, and K-feldspar. A broad alteration envelope contains abundant disseminated patches of molybdenite and intergrowths of K-feldspar and quartz in which K-feldspar grains have euhedral terminations against cavity-filling interstitial quartz grains. A few wispy veinlets of ankerite/calcite cut the rock. Quartz in the vein is cut by a few wispy stringers of pyrite.

Sample SM0501 119.0 is of diopside-hornblende-(augite) granodiorite that is dominated by plagioclase and perthitic K-feldspar with less abundant disseminated grains and clusters of diopside/augite and hornblende (commonly enclosed in diopside), interstitial patches of quartz, and accessory sphene and apatite. Minor veinlets are of pyrite, ankerite-quartz, and quartz-sericite-(limonite).

Sample SM0505 65.7 is of heterolithic breccia that contains fragments of several types including K-feldspar-rich igneous rocks, quartz-(plagioclase/ankerite-biotite/muscovite-sphene) metamorphic rocks, and strongly altered rocks dominated by one or more of ankerite, chlorite, quartz, muscovite, and K-feldspar, with moderately abundant molybdenite and locally abundant pyrite. These are set in a sparse matrix dominated by K-feldspar along the margins of fragments and by quartz in the core of the matrix, with K-feldspar commonly having euhedral crystal faces against quartz.

One reason for the over-estimation of molybdenite in core is that in molybdenite clusters, molybdenite forms generally slender flakes that are intergrown with other minerals, and so a cluster that appears to be solid molybdenite in the core may contain only 20-30% molybdenite flakes.

Photographic Notes:

The scanned section shows the gross textural features of the sections; these features are seen much better on the digital image than on the printed image. Photo numbers are shown in the lower left corner of the photographs. The letter in the lower right-hand corner indicates the lighting conditions: P = plane light, X = plane light in crossed nicols; R = reflected light, RP = reflected light and plane incident light; ~RX = reflected light in moderately crossed nicols and incident light in crossed nicols. Locations of photographs are shown on the scanned section. Descriptions of the photographs are at the end of the report.

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Sample 11SM01 47.7 **Granodiorite**
Alteration: Calcite-Muscovite-(Chlorite)
Veins: Quartz; K-feldspar-Plagioclase-(Quartz-Calcite); Calcite

The sample is of medium grained granodiorite, dominated by plagioclase (altered moderately to calcite and muscovite and locally to kaolinite) with lesser quartz and much less abundant hornblende (altered completely to calcite), K-feldspar, and biotite (altered strongly to completely to pseudomorphic muscovite and/or chlorite and calcite), with accessory Ti-oxide (after ilmenite), sphene, apatite, pyrite, and pyrrhotite. A vein is of quartz. A vein is of K-feldspar with much less abundant quartz and calcite. Several wispy veinlets are of calcite, and one of these also contains chlorite.

mineral	**percentage**	**main grain size range**	
plagioclase	50-55%	0.7-2	
quartz	12-15	0.5-1.5	
K-feldspar	10-12	0.5-1.5	(a few up to 2.5 mm)
hornblende	7- 8	0.5-2	
biotite	2- 3	0.3-0.5	
muscovite	1- 2	0.05-0.2	
pyrite	0.5	0.05-0.1	
Ti-oxide	0.5	0.01-0.03	
chlorite	0.3	0.1-0.3	
sphene	0.3	0.05-0.1	(a few up to 0.4 mm across)
pyrrhotite	0.2	0.05-0.1	
apatite	0.2	0.07-0.3	(one grain 1 mm long)
zircon	trace	0.02-0.05	(a few up to 0.1 mm long)
chalcopyrite	trace	2-5 microns	
sphalerite	trace	2-8 microns	
veins, veinlets			
1: K-feldspar-(quartz-calcite)	2- 3	0.05-0.15	
2: quartz	4- 5	0.5-1.5	
3: calcite-(chlorite)	0.5	0.05-0.2	

Plagioclase forms anhedral grains that were altered slightly to strongly to patches of calcite and disseminated flakes of muscovite.

Quartz forms anhedral grains intergrown coarsely with plagioclase.

K-feldspar forms anhedral grains, mainly intergrown with quartz in patches interstitial to plagioclase. A few megacrysts up to 2.5 mm across are interstitial to subhedral plagioclase grains. Some K-feldspar grains contain irregular equant patches of perthitic sodic plagioclase.

Hornblende forms anhedral grains that were replaced completely by patches of calcite that contain subhedral to euhedral inclusions of apatite and sphene and ragged patches of Ti-oxide (probably after ilmenite). In some grains, calcite also contains dusty hematite. A few patches, probably originally hornblende grains, were replaced by aggregates of quartz with much less abundant Ti-oxide, calcite, pyrrhotite, and muscovite.

(continued on page 2)

Biotite forms clusters of anhedral flakes, commonly on margins of hornblende grains; it was altered strongly to completely to pseudomorphic chlorite and/or muscovite and patches of calcite that commonly are oriented parallel to cleavage). Least altered biotite is pale brown in colour.

Muscovite forms disseminated flakes and fan-textured patches, mainly as a replacement of plagioclase grains.

Chlorite forms disseminated flakes and clusters of a few flakes with a pale green colour.

Pyrite forms disseminated anhedral to euhedral grains and is concentrated moderately in open clusters up to 1.5 mm across of subhedral to locally euhedral equant grains that are intergrown with silicates. A few pyrite grains contain minor inclusions of chalcopyrite and lesser sphalerite, and several contain moderately abundant inclusions of dusty non-reflective material.

Ti-oxide (rutile) forms disseminated grains and clusters of grains that are secondary after ilmenite and/or sphene. Some are pseudomorphic after subhedral sphene/ilmenite grains up to 1.2 mm long.

Sphene forms groups of subhedral grains intergrown with calcite.

Pyrrhotite forms disseminated patches, mainly associated with altered hornblende grains.

Apatite forms subhedral prismatic grains, commonly associated with Ti-oxide.

Zircon forms anhedral to subhedral equant to prismatic grains, mainly associated with altered hornblende grains.

Chalcopyrite is concentrated in a few patches up to 0.5 mm across as disseminated grains 1-5 microns in size in altered plagioclase grains. It also forms a few grains included in calcite (after hornblende) and a few grains associated with pyrrhotite.

Sphalerite forms a few equant irregular grains associated with chalcopyrite and one grain 0.1 mm across associated with calcite.

A veinlet 1.5 mm wide is of anhedral, slightly to moderately intergrown K-feldspar, plagioclase and lesser quartz and calcite, the latter two mainly in cavity filling patches in the core of the veinlet.

A vein up to 2 mm wide is of quartz.

A few veinlets up to 0.07 mm wide are of calcite. One of these that cuts the K-feldspar-rich vein also contains patches of pale green chlorite.

Sample 11SM01 82.0 Granodiorite cut/replaced by K-feldspar-rich Aplite
Alteration: Muscovite-Calcite-Pyrite-(Ankerite-Chalcopyrite-Molybdenite)

The sample contains patches of granodiorite dominated by plagioclase (altered moderately to muscovite and calcite) and K-feldspar, with much less abundant quartz, hornblende (altered completely to calcite), and biotite (altered completely to pseudomorphic muscovite), with accessory pyrite, and minor Ti-oxide, apatite, and chalcopyrite. This was cut by or replaced by much finer grained aplite dominated by K-feldspar and quartz with minor plagioclase, muscovite, and Ti-oxide. Contacts between the two rock types range from sharp to diffuse. Molybdenite forms scattered flakes. A discontinuous veinlet is of quartz.

mineral	percentage	main grain size range	
granodiorite			
plagioclase	15-17%	1-2	
K-feldspar	8-10	0.5-2	
quartz	3- 4	0.5-1	
hornblende	1- 2	1.5-2	
biotite/muscovite	1- 2	0.5-0.7	
pyrite	1- 2	0.1-0.5	
ankerite	1	0.05-0.3	
apatite	0.2	0.1-0.2	(one grain 0.4 mm long)
chalcopyrite	minor	0.03-0.05	
molybdenite	trace	0.01-0.03	
aplite			
K-feldspar	40-45	0.05-0.2	
quartz	17-20	0.05-0.2	
plagioclase	4- 5	0.05-0.1	
muscovite	1	0.05-0.1	
ankerite	0.5	0.05-0.3	
molybdenite	0.1	0.02-0.05	
veinlets			
1: quartz-(pyrite-pyrrhotite-molybdenite)			
	1- 2	0.1-0.3	

Plagioclase forms anhedral grains that were altered slightly to moderately to clusters of muscovite flakes and patches of calcite and minor ankerite.

K-feldspar forms anhedral grains, many of which contain exsolution patches of plagioclase and many of the larger ones of which contain a few inclusions of subhedral plagioclase up to 1 mm long. Locally, K-feldspar and quartz form graphic intergrowths. K-feldspar commonly contains abundant dusty hematite inclusions.

Quartz forms interstitial patches of grains that were strained slightly to moderately. It also occurs locally as graphic intergrowths in K-feldspar.

Hornblende (?) forms anhedral patches up to 2 mm across that were altered completely to calcite; these patches contain inclusions of Ti-oxide (after sphene) and minor ones of zircon.

(continued on page 2)

Pyrite forms disseminated subhedral to euhedral grains and clusters of grains, some of which contain moderately abundant dusty non-reflective inclusions. A few large pyrite grains contain 1-3% inclusions of pyrrhotite (0.02-0.04 mm) and minor to locally abundant inclusions of chalcopyrite (0.01-0.03 mm).

Ankerite forms anhedral grains, in part alone and in part associated with calcite.

Sphene forms disseminated subhedral to euhedral grains, some of which were replaced completely by extremely fine grained aggregates of Ti-oxide.

Pyrrhotite forms disseminate patches up to 0.7 mm in size.

Apatite forms disseminated euhedral prismatic grains.

Chalcopyrite forms disseminated grains, in part associated with patches of pyrite.

Molybdenite forms a few clusters up to 0.15 mm in size of extremely fine grained flakes, commonly associated with margins of ankerite patches. One such ankerite-(molybdenite) patch contains a grain of chalcopyrite 0.07 mm across in its core.

In the aplite, K-feldspar, lesser quartz and much less abundant plagioclase form anhedral, slightly interlocking grains. Feldspars contains less abundant and finer dusty hematite than in the corresponding grains in the coarser rock.

Muscovite forms disseminated patches of flakes, commonly with fan textures. Some of these also contain lesser patches of Ti-oxide.

Ankerite forms disseminated ragged patches up to 0.5 mm across.

Three discontinuous veinlet up to 1.5 mm wide are dominated by quartz. One also contains scattered patches of pyrite and of pyrrhotite and an elongate cluster 0.3 mm long of subparallel molybdenite flakes.

Sample 11SM04 22.4 Brecciated Granodiorite; Aplite/Granite Matrix

Fragments of medium grained granodiorite consist of intergrowths of plagioclase, K-feldspar, and quartz, with minor biotite (altered completely to chlorite-calcite) and disseminate patches of pyrite. The groundmass is of aplite/granite that is dominated by K-feldspar with lesser quartz and much less abundant plagioclase.

mineral	**percentage**	**main grain size range**
fragments	(30-35% of section)	
plagioclase	10-12%	0.5-1.5
K-feldspar	8-10	0.5-2
quartz	8-10	0.5-1.5
biotite	1	0.3-0.5
hornblende	1	1.5-2
calcite	2	0.3-1.5
sphene/Ti-oxide	0.3	0.1-0.3
pyrite	0.1	0.05-0.2
apatite	minor	0.05-0.5
chalcopyrite	trace	0.03-0.05
zircon	trace	0.02-0.03
groundmass	(65-70% of section)	
K-feldspar	30-35%	0.1-1.5
quartz	20-25	0.1-1.5
plagioclase	4- 5	0.1-0.2
biotite	1	0.05-0.1
ankerite	1	0.05-0.5
pyrite	0.4	0.03-0.15
molybdenite	0.3	0.05-0.08
Ti-oxide	0.1	0.01-0.05
chalcopyrite	trace	0.02-0.05

In the granodiorite, plagioclase forms anhedral to subhedral grains that were altered slightly to moderately to sericite and/or muscovite and calcite. Many grains contain moderately abundant dusty hematite inclusions.

K-feldspar forms anhedral grains, many of which contain 2-3% equant exsolution patches of plagioclase (0.02-0.05 mm). Some of the perthite is irregular and some consists of subparallel lenses.

Quartz forms anhedral interstitial grain and clusters of grains.

Biotite forms disseminated flakes and clusters of flakes that were altered completely to pseudomorphic chlorite and patches of calcite.

One subrectangular patch 2 mm across and another anhedral patch of similar size may be altered hornblende grains; they consist of a very fine grained intergrowth of ankerite with lesser quartz, muscovite, and K-feldspar, and minor disseminated patches of Ti-oxide and pyrite.

Calcite forms irregular replacement grains up to 1.5 mm in size, in large part secondary after plagioclase, and in part interstitial to silicates.

Pyrite forms disseminated grains and clusters of subhedral to euhedral grains.

(continued on page 2)

Sphene forms disseminated subhedral to euhedral grains, many of which were altered strongly to completely to Ti-oxide.

Apatite forms scattered subhedral to euhedral prismatic grains.

Chalcopyrite forms minor grains associated with pyrite.

Zircon forms a few equant grains associated with Ti-oxide.

The groundmass is dominated by an intergrowth of slightly to moderately interlocking grains of K-feldspar and quartz, with much less abundant plagioclase. Grain size varies widely from place to place. Quartz commonly forms grains from 1.5-2 mm in size interstitial to K-feldspar grains and containing equant inclusions of plagioclase (altered moderately to sericite) and of K-feldspar (0.1-0.3 mm).

Biotite (altered completely to pseudomorphic muscovite/sericite or chlorite) forms disseminated clusters up to 0.2 mm in size; some of these have fan-textures. Many contain minor patches of molybdenite and/or Ti-oxide.

Ankerite forms disseminated irregular patches, some of which are associate with muscovite and many of which are rimmed by zones containing wispy molybdenite flakes and clusters of equant grains of Ti-oxide.

Molybdenite forms disseminated flakes and clusters of a few flakes, in part associated with patches of ankerite, in part associated with patches of muscovite, and in part rimming cores of pyrite. A few patches 0.5-1 mm across of ankerite and/or muscovite have a cluster of pyrite (with or without minor chalcopyrite) in their core and a thin rim containing equant Ti-oxide grains and wispy flakes of molybdenite intergrown with muscovite, chlorite, and ankerite. Many molybdenite patches consist of wispy grains intergrown with silicates; in hand sample these look like molybdenite and would give the appearance that molybdenite is more abundant than it actually is.

A discontinuous veinlet 0.15 mm wide and several veinlets up to 0.03 mm wide are of calcite and minor quartz.

Sample 11SM06 14.2 Aplite with fragments of Granodiorite

The sample contains fragments up to 2.5 cm in size of medium to finer grained granodiorite dominated by plagioclase (altered moderately to sericite and calcite) and quartz, with much less abundant K-feldspar and minor biotite (altered completely to pseudomorphic muscovite), sphene (altered completely to Ti-oxide), and pyrite. These are contained in a groundmass of aplite dominated by K-feldspar with lesser quartz, much less abundant ankerite and muscovite, minor patches of pyrite and of pyrrhotite, and wispy disseminated flakes and clusters of flakes of molybdenite.

mineral	**percentage**	**main grain size range**	
fragments (granodiorite)	(25% of section)		
plagioclase	10-12%	0.7-2	
quartz	8-10	0.5-1	(a few up to 3 mm)
K-feldspar	4- 5	0.3-0.7	(a few up to 2 mm)
biotite	0.3	0.2-0.5	(one grain 0.9 mm long)
sphene/Ti-oxide	0.2	0.1-0.3	(a few up to 0.5 mm long)
pyrite	0.2	0.05-0.1	
apatite	0.2	0.07-0.15	(a few up to 0.7 mm long)
molybdenite	0.1	0.03-0.08	
groundmass (aplite)	(75% of section)		
K-feldspar	35-40%	0.05-0.2	(a few up to 1 mm)
quartz	25-30	0.1-0.5	(a few up to 1 mm across)
ankerite	3- 4	0.05-0.3	(a few up to 0.5 mm)
muscovite	1	0.07-0.2	
pyrite	0.5	0.03-0.1	(a few up to 0.5 mm)
molybdenite	0.3	0.03-0.08	
pyrrhotite	0.2	0.1-0.2	
apatite	0.1	0.05-0.2	
Ti-oxide	0.1	0.02-0.05	
zircon	trace	0.02-0.04	
chalcopyrite	trace	0.01-0.03	

In the granodiorite fragments, plagioclase forms anhedral to subhedral prismatic grains that were altered slightly to disseminated sericite flakes and locally moderately to patches of calcite.

Quartz forms anhedral grains interstitial to plagioclase.

K-feldspar forms anhedral to subhedral equant to locally prismatic grains. Larger grains commonly have 1-5% irregular exsolution patches of sodic plagioclase. A few grains contain minor to moderately abundant irregular replacement patches of chlorite.

Biotite forms equant to elongate flakes that were altered strongly to completely to pseudomorphic muscovite and minor to abundant calcite/ankerite. Least altered biotite flakes are pleochroic from neutral to pale brown.

Hornblende forms a few anhedral prismatic grains that were altered completely to porphyroblastic ankerite intergrown with K-feldspar and minor muscovite and quartz, with moderately abundant disseminated patches of Ti-oxide and lesser ones of molybdenite.

Sphene forms subhedral wedge-shaped grains and equant grains that were altered strongly to completely to Ti-oxide.

(continued on page 2)

Pyrite forms disseminated grains and clusters of a few to several grains.

Apatite forms disseminated subhedral to euhedral prismatic grains.

Molybdenite forms widespread disseminated wispy flakes and clusters of flakes, mainly less than 0.07 mm in size.

Chalcopyrite forms scattered grains, in part with pyrite, and is concentrated locally in a few altered grains of biotite.

In the aplite groundmass, K-feldspar forms anhedral to subhedral grains that range widely in size. A few of the larger grains contain minor inclusions of plagioclase. K-feldspar commonly has euhedral to subhedral terminations against quartz grains.

Quartz forms anhedral grains interstitial to K-feldspar; many larger grains contain moderately abundant anhedral to euhedral inclusions of plagioclase and K-feldspar (0.05-0.15 mm).

Ankerite forms disseminated irregular patches up to 0.5 mm in size.

Muscovite forms disseminated flakes and clusters of a few flakes, locally with fan textures. Some of these may be secondary after biotite.

Pyrrhotite forms patches up to 1 mm in size of equant grains.

Pyrite forms disseminated euhedral to subhedral grains and clusters of grains. The largest cluster, 2.5 mm long consists of strongly corroded pyrite grains (some with abundant inclusions of silicates and a few with inclusions of chalcopyrite) intergrown with quartz and chlorite; the cluster also contains a few grains of zircon and of chalcopyrite.

Molybdenite forms disseminated wispy flakes and clusters up to 0.1 mm in size of a few flakes, many of which are associated with muscovite.

Apatite forms disseminated subhedral to euhedral prismatic grains.

Ti-oxide forms disseminated clusters up to 0.1 mm in size of anhedral to subhedral grains.

Zircon forms disseminated anhedral to subhedral, equant to slightly prismatic grains.

Sample 11SM06 22.0 **Granite**
Alteration: Sericite/Muscovite-Calcite
Veins: Quartz; Quartz-Molybdenite-Ankerite-(Pyrite)

The sample is of granite that is dominated by K-feldspar with lesser quartz and plagioclase, with much less abundant biotite and hornblende (both altered strongly to completely to muscovite-calcite), minor sphene, pyrrhotite, and pyrite, and trace chalcopyrite. An early vein is of quartz. A vein is of quartz-with bands along the margins rich in molybdenite, ankerite, muscovite, and pyrite. A smaller subparallel vein is of quartz with lesser pyrite and molybdenite.

mineral	**percentage**	**main grain size range**	
K-feldspar	35-40%	0.8-2	(a few up to 5 mm across)
plagioclase	25-30	0.5-1.5	(a few up to 2.5 mm long)
quartz	17-20	0.3-0.8	
biotite	2- 3	0.5-1.5	
apatite	1	0.3-0.8	
sphene	0.3	0.05-0.5	
pyrite	0.3	0.05-0.2	
pyrrhotite	0.3	0.05-0.2	
chlorite	minor	0.03-0.12	
chalcopyrite	trace	0.03-0.05	
veins, veinlets			
1: quartz	2	0.7-1.5	
2: quartz-molybdenite-ankerite-muscovite-pyrite			
	5- 7	0.5-0.8 (qz), 0.05-0.15 (mb, ct, py, mu)	

K-feldspar forms anhedral equant grains that locally are intergrown irregularly along their margins with quartz. A few large grains contain 1-3% slender parallel exsolution lenses of sodic plagioclase. Some large grains contain one or two subhedral inclusions up to 1 mm in size of plagioclase.

Plagioclase forms anhedral to subhedral prismatic grains, many of which show weak oscillatory compositional growth zoning. Alteration in some grains is slight to disseminated flakes of sericite, which is concentrated in certain relatively narrow growth zones, probably of more-calcic plagioclase than the rest of the growth zones, which probably are more-sodic. Other grains were altered more strongly to flakes and clusters of flakes of muscovite and patches of calcite.

Quartz forms anhedral grains interstitial to feldspars.

Biotite forms anhedral to subhedral flakes that were replaced completely by pseudomorphic muscovite and/or chlorite and moderately abundant lensy patches of calcite, also oriented parallel to original biotite cleavage planes.

Hornblende (or biotite) forms anhedral to subhedral prismatic to equant grains that were altered variably to aggregates of two or more of calcite, chlorite, muscovite, K-feldspar, and quartz; they also contain moderately abundant inclusions of subhedral to euhedral wedges of sphene (in part altered strongly to Ti-oxide), and patches of pyrrhotite.

Apatite forms disseminated subhedral to euhedral prismatic grains.

Sphene forms disseminated subhedral to euhedral wedge-shaped grains, associated with biotite and sulphides and locally included in K-feldspar grains.

Scattered interstitial patches up to 1 mm in size consist of intergrowths of two or more of calcite, muscovite, chlorite, pyrrhotite, and pyrite.

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Pyrite forms disseminated subhedral to euhedral grains, commonly intergrown coarsely with pyrrhotite.

Chlorite forms scattered patches up to 0.2 mm in size, mainly associated with pyrite and pyrrhotite or with calcite.

Chalcopyrite forms anhedral grains associated with pyrrhotite.

An early discontinuous vein up to 2 mm wide is of quartz.

A later banded vein up to 1.5 mm wide is of quartz with irregular patches and lenses along one or both margins of unoriented molybdenite flakes, patches of ankerite, flakes of muscovite, and grains of pyrite (mainly enclosed by molybdenite). Subparallel to this is a veinlet up to 0.3 mm wide of quartz with lesser pyrite and molybdenite. The molybdenite content of the section is 1%.

Sample 11SM06 76.7 Pegmatitic Granite
Replacement, Veinlets: Quartz-Ankerite-Sericite/Muscovite-Pyrite-Ti-oxide; Ankerite-Sericite-Pyrite-Molybdenite

The sample is dominated by K-feldspar with much less abundant quartz and minor plagioclase (altered completely to sericite). Replacement patches and abundant veinlets are of quartz-sericite-ankerite-pyrite-Ti-oxide-(chalcopyrite). At one end is a replacement zone a few mm across of ankerite-sericite-molybdenite.

mineral	**percentage**	**main grain size range**	
K-feldspar	65-70%	0.8-3	(locally 0.07-0.12 mm)
quartz	10-12	0.5-0.8	
sericite	4- 5	0.03-0.1	
apatite	0.3	0.1-0.4	
Ti-oxide	0.3	0.05-0.1	
zircon	trace	0.02-0.07	
replacement, veinlets			
1: quartz-ankerite-sericite/muscovite-pyrite-Ti-oxide-(chalcopyrite)	10-12	0.05-0.3	
2: ankerite-sericite-molybdenite	2- 3	0.02-0.1	

K-feldspar forms anhedral equant grains, many of which contain wispy subparallel lenses of exsolution sodic plagioclase. At one end is a patch up to 2 mm across of much finer grained, slightly interlocking equant K-feldspar (0.07-0.12 mm).

Quartz forms anhedral grains intergrown coarsely with K-feldspar.

Sericite forms irregular patches up to 1 mm in size, some of which may represent altered plagioclase.

Apatite forms subhedral to euhedral prismatic grains.

Ti-oxide forms irregular patches of anhedral to tabular grains, probably secondary after ilmenite; some of these are included in sericite patches.

Zircon forms equant to stubby prismatic subhedral to euhedral grains.

A network of subparallel, crosscutting, and branching veinlets, mainly from 0.05-0.3 mm wide and locally up to 0.6 mm wide, consists of quartz, ankerite, and sericite/muscovite in widely varying proportions.

Replacement patches up to a few mm across are of one or more of ankerite, sericite, pyrite, lesser Ti-oxide, and minor chalcopyrite.

Pyrite forms patches up to a few mm across, many of which have a brecciated texture, with interstitial patches filled by sericite and/or ankerite with minor quartz.

Ti-oxide (possibly secondary after sphene) forms patches up to 1.5 mm in size associated with sericite, pyrite and ankerite.

At one end of the section is an irregular replacement patch a few mm across consisting of an irregular intergrowth of ankerite and lesser sericite, with abundant patches of molybdenite.

Sample 11SM06 100 **K-feldspar-Muscovite-Quartz Pegmatite(?)**
Replacement/Segregation: Quartz-Calcite-(Muscovite)
Veinlets: Pyrite

Half of the sample consists of an intergrowth of K-feldspar with lesser quartz and muscovite, and minor calcite, apatite, and Ti-oxide. The other half consists of coarse grained quartz with much less disseminated calcite and minor muscovite; K-feldspar grains along the margins of the quartz-rich patch commonly have euhedral terminations. The coarse grained quartz zone is cut by several irregular wispy pyrite veinlets.

mineral	**percentage**	**main grain size range**	
K-feldspar	30-35%	0.5-2	(a few up to 4 mm across)
quartz	8-10	0.05-1	(a few up to 2 mm)
muscovite	5- 7	0.1-0.3	
calcite	0.3	0.2-0.8	
apatite	0.2	0.05-0.2	
Ti-oxide	0.1	0.03-0.1	(a few up to 0.3 mm long)
sphalerite	minor	0.05-0.15	
pyrite	trace	0.02-0.05	
chalcopyrite	trace	0.02-0.05	
zircon	trace	0.05-0.08	
replacement/segregation, veinlets			
1: quartz-calcite-(muscovite)	50-55	2-20 (qz), 0.1-2 (ct), 0.1-0.2 (mu)	
2: pyrite	minor	0.02-0.05	

K-feldspar forms anhedral grains, many of which contain tiny exsolution patches of either sodic plagioclase or quartz. Some grains are of extremely fine irregularly twinned intergrowths. Dusty hematite inclusions are abundant.

Quartz forms anhedral grains intergrown finely to coarsely with K-feldspar.

Muscovite forms in two modes. Most patches consist of subradiating to radiating clusters of flakes. A few patches up to 0.7 mm in size are subhedral in outline and consist of an intergrowth of unoriented muscovite flakes; these may be secondary after plagioclase. Both are much more abundant in K-feldspar than in quartz.

Apatite forms subhedral to euhedral, stubby prismatic grains.

Ti-oxide (after sphene or ilmenite) forms patches up to 0.7 mm in size of anhedral to tabular grains.

A patch 0.8 mm across within K-feldspar contains several anhedral patches of sphalerite (0.05-0.15 mm), some of which contain a few exsolution inclusions of chalcopyrite (0.003-0.01 mm), and one grain of chalcopyrite 0.06 mm long bordering one of the sphalerite patches.

Pyrite forms disseminated anhedral grains.

Zircon forms a few disseminated subhedral prismatic grains.

The quartz-rich zone is dominated by one large quartz grain and a few smaller ones of quartz and of calcite. The large quartz grain contains scattered inclusions up to 0.5 mm in size of subradiating to irregular clusters of muscovite and a few irregular patches and minor veinlets of calcite.

A few irregular veinlets up to 0.015 mm wide of pyrite cut the quartz segregation/vein. In these pyrite was altered slightly to moderately to hematite, mainly along margins of the veinlets.

Sample 11SM06 146.3 Muscovite Quartz-bearing Syenite
Veinlets: Pyrite; Ankerite-(Rutile)

The sample is dominated by K-feldspar with lesser plagioclase (altered moderately to muscovite-[ankerite]), muscovite, ankerite, quartz, and pyrite, and minor ilmenite/Ti-oxide. A few wispy veinlets are of pyrite and one veinlet is of ankerite-(rutile).

mineral	**percentage**	**main grain size range**	
K-feldspar	60-65%	0.5-3	
plagioclase	12-15	0.5-1	
muscovite	8-10	0.1-0.3	
ankerite	5- 7	0.8-1.5	(a few up to 2.5 mm)
quartz	4- 5	0.3-1	
pyrite	3- 4	0.05-0.3	
apatite	0.3	0.1-0.3	(one grain 0.6 mm long)
ilmenite/Ti-oxide	0.1	0.1-0.2	
zircon	trace	0.07-0.1	
galena(?)	trace	0.01-0.04	
chalcopyrite	trace	0.02-0.04	
veinlets			
1: pyrite	0.1	0.01-0.03	
2: ankerite-rutile	minor	0.05-0.15	

K-feldspar forms anhedral grains, some of which contain exsolution blebs of plagioclase, and some of which contain inclusions up to 0.7 mm in size of prismatic plagioclase, and some of which were formed by irregular fine patchy replacement of plagioclase.

Plagioclase forms subhedral prismatic grains that were altered moderately to strongly to muscovite.

Quartz forms anhedral grains interstitial to feldspars.

Muscovite forms disseminated flakes and clusters of flakes, in part replacing plagioclase and in part intergrown with K-feldspar and/or quartz.

Ankerite forms replacement patches up to 2.5 mm in size.

Pyrite is concentrated strongly in a few patches up to a few mm across as subhedral to anhedral grains, many of which contain abundant irregular non-reflective inclusions. Extending outwards from the two largest pyrite-rich patches for a distance of a few to several mm are abundant wispy pyrite veinlets, mainly less than 0.01 mm in width.

Ilmenite forms disseminated clusters of anhedral to subhedral tabular to equant grains, some of which were altered slightly to moderately to Ti-oxide.

Apatite forms subhedral to euhedral prismatic to equant grains.

Zircon forms subhedral to euhedral prismatic grains.

Bordering one pyrite grain are several patches of a poorly polished light grey mineral, possibly galena.

Chalcopyrite forms a few grains, mainly included in patches of ankerite.

A veinlet 0.05 mm wide is of ankerite and much less abundant rutile.

No molybdenite was seen in any of the veinlets.

Sample 11SM07 47.8 **Granodiorite**
Breccia: K-feldspar-Quartz-Plagioclase-Muscovite-Molybdenite
Veinlets: Quartz; Ankerite; Pyrite;

The sample is of a variable granodiorite that is dominated by plagioclase and K-feldspar with lesser quartz, accessory garnet (altered slightly to chlorite) and hornblende (altered moderately to tremolite/actinolite) with minor sphene (altered locally to Ti-oxide) and pyrite. The brecciated zone contains megacrysts of K-feldspar in a matrix of much finer grained K-feldspar and quartz, with lesser plagioclase and minor pyrite, molybdenite, apatite, and sphene.

mineral	**percentage**	**main grain size range**	
K-feldspar	30-35%	0.5-2	
plagioclase	25-30	0.5-2	(a few up to 2.5 mm)
quartz	8-10	0.3-0.8	
hornblende	2- 3	0.5-1.5	
garnet	1- 2	1-2	
biotite	0.2	0.3-0.7	
sphene	0.2	0.05-0.15	
pyrite	1- 2	0.03-0.15	(a few up to 0.5 mm)
apatite	0.2	0.1-0.5	
chalcopyrite	minor	0.01-0.03	
breccia			
K-feldspar	10-12	0.1-0.5	
quartz	5- 7	0.05-0.3	
molybdenite	1	0.02-0.05	
apatite	0.3	0.05-0.15	
sphene	0.2	0.05-0.3	
vein, veinlets			
1: quartz	5- 7	1-2	(possibly a segregation)
2: ankerite	minor	0.05-0.15	
3: pyrite	trace	0.01-0.03	

K-feldspar forms anhedral grains, many of the larger ones of which contain 1-2% exsolution blebs of plagioclase. Dusty opaque inclusions that are common in K-feldspar in several of the samples, are rare. In places, K-feldspar forms anhedral grains interstitial to subhedral to euhedral plagioclase.

Plagioclase forms subhedral to euhedral prismatic grains, many of which show weak compositional zoning from more-calcic cores to more-sodic rims, with a few alternations back to zones of more-calcic plagioclase. Alteration ranges from weak to moderate to sericite/muscovite and locally patches of calcite/ankerite. In a few grains, alteration is more intense towards the margins of the grain than in its core.

Quartz forms anhedral grains, in part interstitial to feldspars.

Hornblende forms anhedral to subhedral prismatic grains. One large grain is fresh with pleochroism from pale to light green. It contains a thin rim of tremolite/actinolite, which is pleochroic from neutral to pale green. Other grains were altered strongly to completely to pseudomorphic, colourless tremolite and minor to abundant patches of calcite/ankerite.

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Garnet forms a cluster of anhedral grains associated with pyrite bordering the large quartz lens. Garnet is orange in colour and isotropic, suggesting a composition of almandine. Locally it was altered to pale green chlorite with an anomalous blue interference colour.

Biotite forms scattered ragged flakes with pleochroism from pale to light brown; alteration is moderate to strong to pseudomorphic muscovite.

Sphene forms disseminated subhedral to euhedral wedge-shaped grains, in part included in hornblende grains. A sphene grain 0.5 mm across occurs bordering the patch of garnet. Some irregular patches of sphene were replaced completely by Ti-oxide.

Calcite/ankerite forms disseminated patches, commonly associated with muscovite.

Pyrite forms a few clusters of grains associate with garnet.

Apatite forms disseminated subhedral to euhedral prismatic grains.

Chalcopyrite forms disseminated grains.

The brecciated zone is dominated by fine grained K-feldspar and minor biotite/muscovite intergrown with very fine grained K-feldspar, plagioclase and quartz, with patches of calcite/ankerite. Some quartz grains contain abundant equant inclusions of K-feldspar (0.02-0.04 mm).

Molybdenite forms disseminated flakes and clusters of a few flakes, mainly less than 0.1 mm in size.

The quartz-rich vein is up to several mm wide and consists of coarse, slightly interlocking grains. It is cut by a veinlet of ankerite 0.02 mm wide.

A few discontinuous wispy veinlets of pyrite less than 0.01 mm wide cut the quartz vein.

Sample 11SM07 90.25 **Biotite-Diopside Granodiorite**
Replacement: Pyrrhotite-Calcite

The sample is of medium grained granodiorite dominated by subhedral plagioclase with interstitial K-feldspar, lesser quartz and subhedral diopside (altered slightly to actinolite, calcite, and chlorite), much less abundant biotite (altered strongly to completely to muscovite-calcite) and hornblende (altered slightly to epidote-calcite), and accessory sphene, magnetite, and apatite. Replacement patches are of pyrrhotite and calcite with much less abundant pyrite and minor chalcopyrite.

mineral	**percentage**	**main grain size range**	
plagioclase	65-70%	0.7-1.5	(a few up to 2 mm long)
K-feldspar	12-15	0.5-1.5	(a few up to 3 mm)
quartz	8-10	0.5-1	
diopside	3- 4	0.5-1	
biotite	2- 3	0.7-1.5	
pyrrhotite	1- 2	0.05-0.3	
sphene	1	0.07-0.2	(a few up to 0.8 mm long)
hornblende	1	0.05-0.1	(a few grains 1-1.5 mm long)
calcite	0.2	0.5-1	
apatite	0.2	0.1-0.2	
magnetite	0.1	0.1-0.15	
pyrite	0.1	0.03-0.08	
epidote	0.2	0.05-0.2	
allanite	minor	0.2-0.3	
chalcopyrite	minor	0.02-0.05	(a few patches up to 0.2 mm long)
zircon	trace	0.05-0.12	

Plagioclase forms anhedral to subhedral prismatic grains, many of which show moderate to locally strong compositional growth zoning from more-calcic cores to more-sodic rims, with some oscillatory zones. Alteration is weak to locally moderate to disseminated flakes of sericite/muscovite and lesser patches of calcite. One plagioclase grain was altered strongly to epidote and lesser calcite.

K-feldspar forms anhedral grains interstitial to plagioclase. A few contain minor exsolution patches of sodic plagioclase.

Quartz forms anhedral grains and clusters of grains interstitial to plagioclase.

Diopside forms equant anhedral grains with pleochroism from neutral to pale apple green. Many grains were fractured strongly and altered slightly to moderately to patches of actinolite, calcite and epidote. One diopside(?) grain was altered to pseudomorphic chlorite with minor patches of actinolite along its margins.

Biotite (mainly altered strongly to completely towards pseudomorphic muscovite and patches of calcite) forms a few ragged flakes and clusters of flakes. A few fresh grains in a patch surrounding a magnetite grain and a few others nearby are fresh with pleochroism from pale to medium brown; strongly altered grains have pleochroism from colourless to pale brown. Commonly associated with altered biotite are patches of pyrrhotite and grains of sphene.

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Hornblende forms a few anhedral grains that are pleochroic from medium yellowish green to medium greyish green. They are rimmed by intergrowths of sphene, epidote, and calcite. It also forms anhedral grains adjacent to diopside grains and probably formed as a reaction rim against diopside; pleochroism is from light to medium slightly bluish green.

Sphene forms disseminated grains and is concentrated strongly in some mafic grains where it forms euhedral wedge-shaped crystals. In diopside, these commonly are oriented perpendicular to the c-axis of the diopside grain.

Pyrrhotite forms disseminated patches up to 1.5 mm in size of anhedral, equant grains that commonly are associated with mafic minerals.

Magnetite forms disseminated grains and clusters of a few grains; some grains are surrounded by patches of sulphides and sphene.

Calcite forms a few grains interstitial to plagioclase.

Pyrite forms disseminated subhedral to anhedral grains.

Epidote forms a few interstitial patches up to 0.3 mm in size, in part associated with pyrrhotite and in part as alteration patches along margins of diopside and hornblende grains.

Allanite forms a few anhedral to subhedral grains with pleochroism from straw to medium reddish brown.

Chalcopyrite forms minor anhedral grains, commonly associated with pyrrhotite.

Zircon forms subhedral prismatic grains associated with diopside.

A recrystallized seam up to 0.5 mm wide is of extremely fine grained K-feldspar with lesser calcite, tremolite, and pyrrhotite.

Sample 11SM14 25.0 **Diopside-(Hornblende) Granodiorite**
Veinlets: Garnet-(Pyrrhotite); Calcite

The sample is of granodiorite that is dominated by subhedral plagioclase grains with scattered porphyroblasts of K-feldspar, interstitial patches of quartz disseminated grains of diopside and much less abundant hornblende, accessory sphene and pyrrhotite, and minor apatite. A discontinuous veinlet is of garnet and lesser pyrrhotite. A few late veinlets are of calcite and chlorite.

mineral	**percentage**	**main grain size range (mm)**	
plagioclase	60-65	1-2.5	
K-feldspar	17-20	0.5-5	
quartz	10-12	0.3-0.8	
diopside	4- 5	0.5-1.5	(a few up to 2.5 mm)
sphene	1	0.05-0.3	
hornblende	0.3	1-1.5	
pyrrhotite	0.2	0.05-0.1	
apatite	0.2	0.1-0.3	(one grain 0.5 mm long)
epidote	0.1	0.05-0.15	
pyrite	minor	0.05-0.2	
chalcopyrite	trace	0.03-0.05	
veinlets			
1: garnet-(pyrrhotite)	0.1	0.03-0.07	
2: calcite-chlorite	0.1	0.02-0.05	

Plagioclase forms subhedral to euhedral prismatic grains, many of which show compositional growth zoning from more-calcic cores to more-sodic rims. A few grains have minor myrmekitic inclusions of quartz along anhedral boundaries with K-feldspar.

K-feldspar forms anhedral; grains interstitial to plagioclase. Some grains contain 2-3% irregular exsolution patches of plagioclase, mainly from 0.02-0.05 mm in size. A few porphyroblastic grains consist of K-feldspar with 20-30% intergrown plagioclase; the texture suggests replacement of plagioclase by K-feldspar, but it could also be a perthitic intergrowth.

Quartz forms anhedral grains interstitial to plagioclase.

Diopside forms anhedral to subhedral equant to prismatic grains that were fractured moderately to strongly. Alteration is slight to strong to calcite and lesser chlorite and tremolite/actinolite. Some grains contain euhedral sphene grains that are oriented perpendicular to diopside cleavage.

Hornblende forms scattered anhedral grains with pleochroism from medium yellowish green to medium greyish green.

A patch 0.7 mm long associated with diopside contains cores of magnetite surrounded by an aggregate of fibrous tremolite/actinolite.

Sphene forms disseminated subhedral to euhedral wedge-shaped grains, commonly associated with diopside.

Pyrrhotite forms disseminated anhedral patches up to 1 mm in size Some of the larger patches are associated with abundant epidote and lesser calcite.

Apatite forms disseminated subhedral to euhedral prismatic grains, in part associated with pyrrhotite.

Epidote forms disseminated irregular patches, in part enclosing pyrrhotite and chalcopyrite.

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Pyrite forms anhedral to subhedral grains, the largest of which contains a few inclusions of pyrrhotite (0.02 mm).

Chalcopyrite forms minor grains associated with pyrrhotite and epidote.

A wispy veinlet up to 0.05 mm wide and a few related patches are dominated by pale orange garnet (with anomalous extinction) with lesser disseminated grains of pyrrhotite.

A few veinlets up to 0.03 mm wide are of calcite and chlorite. Where these cut diopside grains, the latter are altered strongly to completely to calcite.

Sample SM0501 44.5 Granodiorite
Replacement: Pyrrhotite-Pyrite-(Chalcopyrite)

The sample is of medium grained granodiorite that is dominated by K-feldspar (in part megacrysts) with lesser plagioclase (altered moderately to muscovite), much less abundant quartz, and minor biotite (altered completely to calcite-muscovite-Ti-oxide), apatite, sphene, and rutile. A large replacement patch and several smaller ones are of pyrrhotite, lesser pyrite, and minor chalcopyrite; many sulphide patches are rimmed by siderite with lesser muscovite/sericite.

mineral	percentage	main grain size range (mm)
K-feldspar	45-50%	0.5-2 (a few up to 3 mm across)
plagioclase	30-35	0.5-2
quartz	5- 7	0.3-0.7
pyrrhotite	5- 7	0.1-0.3
pyrite	2- 3	0.1-0.5
siderite	1- 2	0.03-0.07
biotite	0.5	0.5-1.5
apatite	0.2	0.2-0.5
sphene	0.2	0.03-0.07
rutile	0.2	0.05-0.3
zircon	trace	0.05-0.07
chalcopyrite	trace	0.02-0.05

K-feldspar forms anhedral grains intergrown coarsely with plagioclase. A few K-feldspar megacrysts contain inclusions of euhedral prismatic plagioclase (0.5-1 mm). Most larger K-feldspar grains contain 2-4% irregular exsolution patches and/or subparallel lenses of sodic plagioclase. Hematite forms minor to moderately abundant dusty inclusions in diffuse patches.

Plagioclase forms subhedral prismatic to anhedral equant grains that were altered moderately to disseminated clusters of muscovite, in part radiating, or disseminated flakes of sericite, with minor to locally moderately abundant patches of calcite/ankerite.

Quartz forms anhedral grains interstitial to both plagioclase and K-feldspar. Some quartz grains contain euhedral rhombic inclusions of K-feldspar from 0.1-0.2 mm in size.

Biotite (?) forms a few patches up to 2 mm across that were replaced completely by intimate intergrowths of ankerite, muscovite, and disseminated patches of Ti-oxide or sphene.

Pyrrhotite forms anhedral grains and clusters of grains, commonly intergrown with pyrite. Many sulphide patches have a rim from 0.02-0.1 mm wide of siderite, and in places of siderite intergrown with muscovite.

Pyrite forms disseminated patches of anhedral to subhedral grains, commonly associated with pyrrhotite; A few clusters of subhedral to euhedral grains are intergrown with muscovite, siderite, and K-feldspar.

Rutile forms disseminated anhedral to subhedral grains with a deep grey colour in transmitted light and a light grey colour in reflected light.

Sphene forms subhedral grains up to 0.1 mm long and anhedral patches up to 0.3 mm in size; some of the former and all of the latter were altered completely to extremely fine grained aggregates of Ti-oxide.

Zircon forms subhedral to euhedral, stubby prismatic grains, commonly associated with rutile.

Chalcopyrite forms anhedral grains, mainly associated with pyrrhotite.

Sample SM0501 106.8 Granodiorite
Vein: Quartz-Molybdenite-Pyrite-Ankerite-Sericite/Muscovite

The sample is of granodiorite that is dominated by K-feldspar with lesser plagioclase (altered moderately to muscovite and lesser ankerite) and much less abundant quartz. A vein a few mm wide is dominated by coarse grained quartz with a central zone containing molybdenite flakes and patches of ankerite, muscovite, and K-feldspar. A broad alteration envelope contains abundant disseminated patches of molybdenite and intergrowths of K-feldspar and quartz in which K-feldspar grains have euhedral terminations against cavity-filling interstitial quartz grains. A few wispy veinlets of ankerite/calcite cut the rock. Quartz in the vein is cut by a few wispy stringers of pyrite.

mineral	**percentage**	**main grain size range (mm)**
K-feldspar	50-55%	0.5-2
quartz	15-17	0.5-1
plagioclase	5- 7	0.5-1.5
ankerite	3- 4	0.5-0.8
molybdenite	3- 4	0.05-0.1
pyrite	1	0.3-0.7
pyrrhotite	0.5	0.2-0.5
sphene	minor	0.03-0.07
rutile	minor	0.07-0.2
chalcopyrite	trace	0.02-0.05
vein, veinlets		
1: quartz-molybdenite-pyrite-sericite-ankerite	12-15	2-7 (qz), 0.02-0.1 (mb, se), 0.05-0.15 (py, ak)
2: ankerite/calcite	0.2	0.02-0.05
3: pyrite	minor	0.01-0.03

K-feldspar forms anhedral grains, some of which are megacrysts with inclusions of subhedral plagioclase. A few also contain anhedral inclusions of plagioclase in optical continuity, suggesting that these K-feldspar grains were formed, in part at least by replacement of plagioclase. Most grains contain patchy zones of minor to moderately abundant dusty hematite. Some patches in the rock consist of much finer grained K-feldspar than normal (0.05-0.15 mm).

Plagioclase forms subhedral prismatic grains that were altered slightly to moderately to muscovite and minor ankerite/calcite.

Quartz forms anhedral grains that are interstitial to feldspars. In the envelope to the vein are a few patches up to a few mm across in which euhedrally terminated K-feldspar grains surround an interstitial grain of quartz

Ankerite forms anhedral grains that are mainly interstitial to K-feldspar.

Sphene forms disseminated, subhedral wedge-shaped grains.

Rutile forms anhedral to euhedral grains with a deep grey colour and moderate reflectivity.

Disseminated sulphide patches up to a few mm across are dominated by pyrite and pyrrhotite with much less abundant chalcopyrite. Pyrite commonly is subhedral to euhedral, pyrrhotite is anhedral, and chalcopyrite occurs as grains along margins of pyrrhotite and pyrite and as wispy inclusions in pyrite.

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The main vein is dominated by coarse grained quartz. Along its margins is a zone up to 0.5 mm wide containing abundant extremely fine grained massive molybdenite with patches of ankerite and clusters of pyrite grains, with locally abundant patches and lenses of sericite/muscovite. In the core of the vein is a lensy to patchy zone containing disseminated flakes and clusters of flakes of molybdenite oriented parallel to the length of the vein. In places the core contains patches up to 1 mm wide of ankerite-molybdenite with minor muscovite. K-feldspar forms one grain 0.8 mm long that contains minor molybdenite flakes and patches of pyrite.

In a broad envelope about the vein, molybdenite forms abundant disseminated clusters averaging 0.1-0.5 mm across of unoriented flakes. These commonly are associated with patches of ankerite up to 1 mm in size. Associated with some molybdenite patches are minor flakes of muscovite. Pyrite forms disseminated clusters of anhedral to subhedral grains, in part intergrown with molybdenite. A few pyrite grains contain abundant wispy molybdenite flakes. Sphalerite forms an irregular patch 0.4 mm across within a K-feldspar megacryst.

The main vein is cut by a few wispy stringers up to 0.01 mm wide of pyrite; these do not extend through a few clusters of molybdenite flakes in the core of the main vein.

A few wispy veinlets up to 0.03 mm wide are of ankerite/calcite.

Sample SM0501 119.0 Diopside-Hornblende-(Augite) Granodiorite
Veinlets: Pyrite; Ankerite-Quartz; Quartz-Sericite-(Limonite)

The sample is dominated by plagioclase and perthitic K-feldspar with less abundant disseminated grains and clusters of diopside/augite and hornblende (commonly enclosed in diopside), interstitial patches of quartz, and accessory sphene and apatite. Minor veinlets are of pyrite, ankerite-quartz, and quartz-sericite-(limonite).

mineral	**percentage**	**main grain size range (mm)**	
plagioclase	40-45%	0.7-1.5	(a few up to 2 mm long)
K-feldspar	35-40	0.5-2	(a few up to 5 mm across)
diopside/augite	5- 7	0.5-1.5	(one grain 7 mm long)
hornblende	3- 4	0.5-1	(one grain 4 mm long)
quartz	3- 4	0.2-0.7	
sphene	0.5	0.05-0.15	(a few up to 0.5 mm long)
apatite	0.3	0.05-0.1	
pyrite	0.1	0.05-0.2	
chlorite	0.1	0.02-0.04	
pyrrhotite	minor	0.03-0.07	
chalcopyrite	minor	0.01-0.1	
zircon	trace	0.07-0.1	
veinlets			
1: pyrite	minor	0.01-0.03	
2: ankerite-quartz	0.2	0.03-0.1	
3: quartz-sericite-limonite	0.1	0.02-0.05	

Plagioclase forms subhedral to euhedral prismatic grains that show moderate to locally strong compositional growth zoning from more-calcic cores to more-sodic rims. Most grains also contain thin oscillatory zoning. Along margins of a few grains against K-feldspar megacrysts are thin zones containing myrmekitic inclusions of quartz. Alteration generally is slight except in thin growth zones of more-calcic plagioclase, which were altered slightly to sericite and dusty hematite. A few grains were altered more strongly in their cores to sericite and patches of clinozoisite.

K-feldspar forms anhedral grains, including several megacrysts up to several mm across. Coarser grains are perthitic, and contain 2-5% irregular exsolution lenses and patches of sodic plagioclase. Some also contain slightly to moderately corroded prismatic grains of plagioclase (0.5-1.2 mm).

Diopside forms anhedral to subhedral grains with pleochroism from pale to light apple green. Augite forms scattered grains with pleochroism from light to medium apple green. A few grains are zoned slightly, with augite more common towards margins of grains. Many pyroxene grains were fractured strongly and altered slightly to tremolite/actinolite. Some grains contain moderately abundant euhedral wedge-shaped sphene inclusions, many of which are oriented perpendicular to the c-axis of diopside. Some grains were altered strongly in patches to aggregates of tremolite/actinolite and lesser calcite/ankerite; these patches commonly are stained light brown by limonite. Some grains were altered slightly to moderately to irregular patches of calcite/ankerite.

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Hornblende forms subhedral prismatic grains with pleochroism from light yellowish green to medium slightly greyish green. A few elongate hornblende grains are enclosed in diopside. In the largest hornblende-diopside intergrowth, tremolite/actinolite forms a large replacement patch of subparallel, feathery to fibrous grains, probably mainly in hornblende.

Quartz forms disseminated grains and clusters of a few grains that are interstitial to other minerals.

Sphene forms disseminated subhedral to euhedral grains and clusters of grains, the latter commonly concentrated in diopside grains and locally in quartz grains. Most grains are fresh; some grains were altered slightly and others strongly to Ti-oxide.

Apatite forms disseminated subhedral to euhedral prismatic grains.

Chlorite forms a few patches up to 0.4 mm in size of equant pale green flakes with an anomalous bright blue interference colour.

Calcite/ankerite forms ragged replacement patches and wispy veinlets

Pyrite forms disseminated equant anhedral to subhedral grains and clusters of such grains. A few pyrite grains contain abundant non-reflective inclusions.

Pyrrhotite forms disseminated equant patches, mainly enclosed in diopside.

Chalcopyrite forms disseminated patches.

Zircon forms a few subhedral prismatic grains.

Pyrite forms a few wispy veinlets up to 0.01 mm wide.

Ankerite, with or without quartz forms a few veinlets up to 0.06 mm wide; some of these cut pyrite veinlets. One contain minor to moderately abundant limonite.

A few veinlets up to 0.6 mm wide are of quartz with lesser sericite and patches of limonite.

Sample SM0505 65.7 Breccia: Heterolithic fragments in Quartz-K-feldspar Matrix

The sample contains fragments of several types, labelled Types A to E.

One Type A fragment (2 cm) is dominated by equant quartz grains (1-3, locally up to 8 mm) with poorly to well defined bands up to 0.5 mm wide dominated by plagioclase (7-10% altered completely to ankerite and lesser sericite) and biotite (2-3%; 0.1-0.2 mm; pleochroic from neutral to pale brown, altered towards pseudomorphic muscovite). Sphene forms 2-5% disseminated anhedral to subhedral grains (0.02-0.05 mm). Pyrite (1-2%) forms subhedral to anhedral grains (0.05-0.3 mm) and a wispy veinlet 0.005 mm wide, pyrrhotite (0.3%) forms anhedral patches (0.05-0.1 mm), and chalcopyrite (trace) forms scattered patches (0.01-0.03 mm). Zircon forms scattered subhedral to euhedral grains (0.02-0.04 mm). A second Type A fragment of similar size consists of coarse grained quartz with 20% very irregular patches of ankerite-(sericite) (0.3-1 mm), probably mainly after plagioclase, and a few patches of muscovite-ankerite up to 0.6 mm across, probably after biotite. Apatite forms disseminated stubby euhedral prismatic grains in quartz. Molybdenite (0.3%) is concentrated as clusters up to 0.3 mm long along the margin of the fragment against the matrix.

Type B fragments (up to 2 cm) are dominated by anhedral K-feldspar (60-70%; 0.5-3 mm; commonly with 1-3% irregular perthitic patches of sodic plagioclase), with irregular grains of plagioclase (10-20%; 0.3-1 mm; altered moderately to strongly to muscovite), interstitial patches of quartz (4-5%, 0.3-0.7 mm), scattered grains and clusters of biotite (1-2%, 0.3-0.7 mm, altered completely to muscovite), disseminated subhedral to euhedral grains of apatite (0.2%, 0.1-0.3 mm), and disseminated euhedral grains of sphene (0.2%, 0.1-0.5 mm; altered completely to Ti-oxide). Pyrite forms a few clusters up to 12 mm in size, commonly surrounded by biotite and containing minor interstitial chlorite and locally ankerite. Molybdenite forms scattered clusters up to 0.15 mm across of slender flakes disseminated in K-feldspar.

The Type C fragment consists of extremely fine intergrowth of ankerite, chlorite, and quartz, with scattered slightly coarser flakes of muscovite, patches of pyrite, and 3-5% disseminated clusters of molybdenite up to 0.5 mm in size, both within the core of the fragment and along the margin.

Two proximal Type D fragments are dominated by intimate intergrowths of ankerite and chlorite with abundant patches of pyrite and abundant patches of molybdenite (5-7%). The largest pyrite patch contains anhedral to euhedral grains up to 1 mm in size; molybdenite is very abundant along the margin on much of the pyrite. Contacts with the matrix are moderately gradational; intermediate zones contain K-feldspar grains that were altered in irregular patches slightly to moderately to ankerite-chlorite.

The Type E fragment is intermediate in composition between Type B and Type D. It contains anhedral K-feldspar (as in Type B fragments) intergrown with much finer grained intergrowths of ankerite, muscovite, and molybdenite (1-2%), and minor patches of rutile, chalcopyrite, and pyrite.

The matrix (10-15%) commonly consists of K-feldspar grains (0.5-1.5 mm) adjacent to the fragments with interstitial grains of quartz (0.5-5 mm) in the cores of the patches; K-feldspar commonly has euhedral terminations against interstitial quartz. Some patches of matrix also contain subhedral plagioclase grains (altered strongly to sericite/muscovite) and some contain clusters of molybdenite, commonly associated with feldspar grains along the margins of the matrix patches.

The overall molybdenite content is 2-3%; this will vary from place to place in the breccia, as it tends to be concentrated much more strongly in some fragment types than in others, and is rare in the matrix (except along the margins of fragments).

List of Photographs

Photo	Section	Description
01	11SM01 47.7	to the left: plagioclase (altered slightly to sericite and calcite); to the right: hornblende(?; replaced completely by calcite, with euhedral inclusions of sphene and apatite, and patches of pyrite-(quartz); lower right: cluster of biotite flakes (altered strongly to completely to pseudomorphic muscovite and chlorite and patches of calcite, commonly oriented parallel to cleavage with patches of Ti-oxide (secondary after ilmenite).
02	11SM01 47.7	plagioclase grains (included in interstitial K-feldspar; some show concentric growth zoning, with alteration in part dependent on the composition of the growth zone; alteration is patchy to kaolinite and less commonly to sericite, with patches of calcite and a few replacement zones of K-feldspar); interstitial K-feldspar contains a few grains of ilmenite (altered to Ti-oxide), sphene, and zircon; patch in lower right is altered hornblende grain (replaced by aggregate of quartz with lesser calcite and minor muscovite), with inclusions of ilmenite (altered to Ti-oxide), subhedral apatite, and anhedral pyrrhotite.
03	11SM01 47.7	to the left: vein of K-feldspar cut by veinlet of calcite-chlorite; upper right: altered hornblende (replaced by calcite and muscovite with a cluster of pyrite grains and minor Ti-oxide; lower right: plagioclase (altered slightly to moderately to sericite) and K-feldspar.
04	11SM01 82.0	granodiorite: anhedral to subhedral plagioclase (altered moderately to patches of muscovite and lesser calcite), anhedral K-feldspar and quartz, minor sphene (altered completely to Ti-oxide), and single euhedral grains of apatite and of zircon.
05	11SM01 82.0	to the left: granodiorite: K-feldspar grains bordered by graphic intergrowth of K-feldspar and quartz; to the right: aplite: intergrowth of K-feldspar, quartz, and lesser plagioclase (altered slightly to sericite).
06	11SM01 82.0	patch of ankerite with abundant molybdenite flakes along and near its margins, enclosed in aplite dominated by K-feldspar with lesser quartz.
07	11SM01 82.0	intergrowth of plagioclase (altered slightly to moderately to patches of muscovite) and K-feldspar; discontinuous veinlet of quartz with an irregular patch of ankerite-muscovite-molybdenite-(Ti-oxide) at its end.
08	11SM04 22.4	granodiorite: plagioclase (altered slightly to moderately to disseminated sericite flakes and replaced strongly by porphyroblastic calcite), quartz, and K-feldspar with one elongate grain of biotite (altered completely to semi-pseudomorphic muscovite).

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Photo	Section	Description
09	11SM04 22.4	replacement zone of quartz (with abundant small inclusions of plagioclase [altered moderately to sericite] and lesser K-feldspar) and K-feldspar with much less abundant muscovite and calcite; large patch of molybdenite-muscovite-(ankerite), (lower right) grain of pyrite rimmed by wispy flakes of molybdenite; veinlet of calcite-quartz.
10	11SM04 22.4	patch of ankerite-muscovite with grains of pyrite and chalcopyrite in its core, and a thin, wispy rim containing flakes and clusters of flakes of molybdenite and clusters of Ti-oxide with patches of chlorite and muscovite; surrounded by quartz and K-feldspar.
11	11SM04 22.4	to the left: hornblende grain (?; altered completely to a very fine grained aggregate of ankerite and K-feldspar, and muscovite with minor patches containing wispy flakes of molybdenite); to the right: replacement of quartz-K-feldspar with patches of plagioclase (altered moderately to sericite), pyrite and pyrite-chlorite (partly rimmed by wispy flakes of molybdenite), and minor apatite and chalcopyrite.
12	11SM06 14.2	granodiorite: upper left: K-feldspar grain with exsolution perthitic inclusions of sodic plagioclase; to the right: hornblende grain (?; altered completely to unoriented aggregate of porphyroblastic ankerite and interstitial K-feldspar, with minor muscovite, and disseminated patches of Ti-oxide and lesser molybdenite; bottom: quartz grain with inclusions of plagioclase and minor K-feldspar and Ti-oxide.
13	11SM06 14.2	granodiorite: prismatic plagioclase (altered moderately to muscovite flakes and patches and minor ankerite), K-feldspar (with irregular inclusions of plagioclase and one elongate subhedral grain of sphene (altered strongly to Ti-oxide); quartz (intergrown coarsely with plagioclase, and minor biotite (altered towards pseudomorphic muscovite and patches of ankerite; several euhedral grains of pyrite (in plagioclase).
14	11SM06 14.2	aplite: intergrowth of K-feldspar and lesser quartz with disseminated flakes and clusters of flakes of muscovite, disseminated patches of ankerite, a large patch of pyrrhotite and a smaller patch of pyrite, wispy flakes and clusters of flakes of molybdenite, mainly associated with muscovite, minor patches of Ti-oxide.
15	11SM06 14.2	one of the largest clusters of molybdenite flakes, enclosed in K-feldspar and quartz, minor sphene (altered to Ti-oxide), two small molybdenite grains away from the main cluster.
16	11SM06 22.0	host rock dominated by K-feldspar with lesser quartz and much less abundant plagioclase (altered moderately to sericite/muscovite); cluster of pyrite, pyrrhotite, sphene (altered completely to Ti-oxide), apatite, and ankerite, with trace chalcopyrite.

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17	11SM06 22.0	plagioclase grains (showing oscillatory zoning and alteration to sericite along certain thin, probably more-calcic zones), interstitial patches of quartz and lesser K-feldspar and a cluster of calcite and chlorite with minor sphene (fresh) and pyrite.
18	11SM06 22.0	host rock dominated by K-feldspar with much less abundant plagioclase (altered slightly to moderately to sericite/muscovite) and minor sphene (altered strongly to Ti-oxide); vein with a central zone of quartz with minor molybdenite and K-feldspar, and margins containing patches of molybdenite-pyrite with much less abundant ankerite and muscovite.
19	11SM06 76.7	coarse K-feldspar grain cut by a set of subparallel and minor crosscutting veinlets of quartz-sericite/muscovite-ankerite.
20	11SM06 76.7	host rock K-feldspar with two proximal subhedral to euhedral grains of apatite; irregular replacement patch of ankerite-0muscovite/sericite-pyrite-Ti-oxide-(chalcopyrite).
21	11SM06 76.7	lower left: replacement patch of ankerite with lesser muscovite/sericite and clusters and lenses of molybdenite-(Ti-oxide), with minor patches of quartz and K-feldspar; upper right: K-feldspar replaced in patches by ankerite.
22	11SM06 100	intergrowth of subhedral K-feldspar , interstitial quartz (one grain contains abundant tiny inclusions of K-feldspar), subradiating to radiating clusters of muscovite, and a patch of calcite.
23	11SM06 100	top right: edge of coarse quartz grain showing euhedral terminations of K-feldspar against quartz; lower left: K-feldspar with irregular patches of quartz and unoriented to locally fan textured clusters of muscovite.
24	11SM06 100	large quartz grain cut by intersecting wispy veinlets of pyrite.
25	11SM06 146.3	euhedral plagioclase grains (altered moderately to muscovite) enclosed in megacryst of K-feldspar containing abundant dusty opaque inclusions.
26	11SM06 146.3	intergrowth of K-feldspar (with abundant dusty opaque inclusions) and muscovite, with an irregular patch of pyrite (some grains with abundant non-reflective inclusions), and minor quartz and calcite; wispy irregular veinlets of pyrite extend outwards from the main pyrite patch.
27	11SM06 146.3	K-feldspar (with abundant dusty opaque inclusions and in the lower left with exsolution patches of plagioclase or, alternately, plagioclase replaced strongly by K-feldspar), subhedral prismatic plagioclase grains (altered moderately to muscovite), a patch of calcite (containing minor pyrite and chalcopyrite), a euhedral grain of apatite and a few patches of ilmenite.

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28	11SM07 47.8	intergrowth of plagioclase, hornblende/actinolite (altered in part to tremolite/actinolite-ankerite-limonite) and K-feldspar, with disseminated euhedral to anhedral grains of sphene in hornblende/actinolite, and a patch of anhedral pyrite.
29	11SM07 47.8	to the left: garnet (altered locally to chlorite), with patches of pyrite, ankerite, and sphene (some grains altered to Ti-oxide); to the right: quartz (with minor inclusions of ankerite and of hornblende/actinolite) , plagioclase (altered slightly to sericite), sphene, and the edge of a large K-feldspar grain.
30	11SM07 47.8	upper left: brecciated zone; variable coarser K-feldspar and lesser plagioclase and quartz intergrown with finer grained K-feldspar and quartz with accessory muscovite, and minor patches of ankerite, and wispy flakes of molybdenite; lower right: quartz vein of segregation with one patch of pyrite (in part dusty) and minor chalcopyrite and wispy veinlets of pyrite.
31	11SM07 47.8	detail of part of photo 30, showing distribution of wispy molybdenite flakes in the zone of brecciation; intergrown with quartz, K-feldspar, plagioclase, and muscovite.
32	11SM07 90.25	strongly zoned plagioclase grain in centre, less strongly zoned plagioclase elsewhere, anhedral hornblende with thin partial rim of epidote and minor calcite and chlorite, diopside (strongly fractured and altered slightly to actinolite and calcite), sphene grains (included in diopside and in hornblende), interstitial K-feldspar and minor quartz.
33	11SM07 90.25	biotite grain/cluster (altered strongly to calcite and muscovite) with abundant inclusions of sphene; bordered by patches of pyrrhotite and a grain of allanite; surrounded by plagioclase (altered slightly to sericite and a cluster of muscovite flakes), K-feldspar, and lesser quartz.
34	11SM07 90.25	patch of pyrrhotite with lesser calcite and sphene and minor epidote, zircon, and apatite; enclosed in K-feldspar, subhedral plagioclase grains to the left and minor quartz at the right.
35	11SM07 90.25	euhedral diopside grains (altered slightly to irregular patches of actinolite and locally bordered by patches of biotite and epidote), with inclusions of sphene (oriented subperpendicular to the c-axis of diopside) and one of apatite; patch of magnetite, patch of chlorite-epidote (probably after diopside); intergrown coarsely with plagioclase and minor K-feldspar.

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Photo	Section	Description
36	11SM14 25.0	K-feldspar megacryst (with exsolution lenses of sodic plagioclase) and inclusions of anhedral plagioclase; anhedral plagioclase, two grains of which have myrmekitic intergrowths of quartz along one margin with the K-feldspar megacryst; minor disseminated sphene and patches of chlorite-epidote and of calcite.
37	11SM14 25.0	plagioclase grains; large one is fresh with a thin compositional growth zone that is altered moderately to sericite, smaller ones altered moderately to strongly to sericite; diopside grain (fractured strongly and altered slightly in patches to actinolite); fresh hornblende grain; patch of fibrous tremolite/ actinolite enclosing cores of magnetite, and a patch of pyrrhotite.
38	11SM14 25.0	perthite grain with exsolution lenses and blebs of sodic plagioclase and inclusions of earlier-formed plagioclase (altered slightly to moderately to sericite and dusty opaque(mafic cluster contains diopside (altered slightly to calcite and minor chlorite), sphene, apatite, pyrrhotite, pyrite, and garnet (slightly anisotropic, commonly rimming pyrrhotite).
39	SM0501 44.5	patch of pyrrhotite with much less abundant pyrite, rimmed by siderite and muscovite; intergrown with K-feldspar (altered slightly to sericite/muscovite), with two subhedral to euhedral grains of apatite and a few grains of plagioclase (altered moderately to sericite) and a few grains of quartz.
40	SM0501 44.5	upper left: perthitic K-feldspar with exsolution blebs of sodic plagioclase; lower right: patch of biotite (?; altered completely to an intergrowth of ankerite and muscovite with abundant disseminated patches of Ti-oxide (possibly in part after sphene) and one tiny grain of zircon.
41	SM0501 44.5	replacement patch of pyrite and pyrrhotite (at top and bottom left rimmed by siderite and lesser muscovite; lower right: pyrite intergrown with muscovite and lesser K-feldspar and siderite; centre left: quartz and lesser K-feldspar (altered slightly to sericite/muscovite).
42	SM0501 106.8	to the left: K-feldspar megacryst with disseminated exsolution(?) patches of plagioclase and moderately abundant dusty hematite; to the right: anhedral K-feldspar (minor plagioclase inclusions and much finer and less abundant hematite than in the megacryst) with patches of molybdenite, ankerite, and minor muscovite.
43	SM0501 106.8	intergrowth of K-feldspar (with variable amounts of dusty hematite inclusions), quartz, and plagioclase (altered moderately to strongly to muscovite/sericite and ankerite), with a patch of muscovite (possibly after plagioclase), a patch of pyrite-pyrrhotite that has a thin discontinuous rim of siderite, and a few anhedral grains of ankerite (in K-feldspar).

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Photo	Section	Description
44	SM0501 106.8	lower left: K-feldspar with patches of quartz, of pyrite, and of pyrite with wispy inclusions of molybdenite; middle: border on vein consisting of a patchy intergrowth of molybdenite, pyrite, and sericite with minor quartz; upper right: main quartz vein cut by narrow pyrite stringers.
45	SM0501 106.8	alteration envelope: K-feldspar with euhedral crystal terminations against interstitial quartz; irregular patches of molybdenite, mainly near quartz-K-feldspar contacts, with minor ankerite and sericite/muscovite; wispy discontinuous veinlets of ankerite (in K-feldspar).
46	SM0501 119.1	cluster of diopside grains (altered slightly along fractures to tremolite/ actinolite) enclosed in perthitic K-feldspar containing minor to moderately abundant exsolution patches and lenses of sodic plagioclase), with one slightly concentrically growth-zoned plagioclase grain with strongly corroded borders against K-feldspar and one plagioclase grain with a thin zone containing myrmekitic inclusion of quartz along its border with a K-feldspar grain; minor quartz; a few wispy stringers of calcite/ankerite.
47	SM0501 119.1	hornblende grain rimmed at one end by diopside (with inclusions of sphene and replacement patches of calcite) with an alteration patch along the contact of fibrous tremolite-(limonite); slightly to moderately concentrically growth-zoned plagioclase grains (fresh to altered slightly to moderately to sericite) and minor patches of very fine grained, interlocking plagioclase and lesser quartz bordering the mafic patch; wispy veinlet of carbonate-limonite with two patches of pyrite.
48	SM0501 119.1	hornblende grain rimmed by intergrowth of diopside (altered slightly to moderately to ankerite-tremolite, with inclusions of sphene mainly oriented perpendicular to the c-axis) and plagioclase with minor quartz; adjacent to slightly concentrically zoned plagioclase grains with much less abundant interstitial quartz and K-feldspar.
49	SM0505 65.7	Type A fragment: coarse quartz with discontinuous bands of plagioclase (altered moderately to ankerite-hematite) with disseminated grains of pyrite and abundant disseminated grains of sphene.
50	SM0505 65.7	Type A fragment: coarse quartz with disseminated ragged patches of ankerite (probably mainly after plagioclase); a cluster of biotite flakes (altered completely to semi-pseudomorphic muscovite), and several disseminated euhedral stubby apatite grains.
51	SM0505 65.7	Type B fragment: coarse K-feldspar with cluster of biotite (altered completely to pseudomorphic muscovite), an irregular grain of pyrite and a few grains of quartz.

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Photo	Section	Description
52	SM0505 65.7	Type C fragment: intergrowth of ankerite, quartz, and muscovite, with a few grains of pyrite and with several clusters of molybdenite (along the contact with matrix quartz); small molybdenite cluster in quartz is adjacent to a grain of K-feldspar along the contact of Fragment Type A and the matrix.
53	SM0505 65.7	Type D fragment: upper right: patchy intergrowth of ankerite and chlorite with much less abundant patches of quartz-sericite/muscovite and abundant clusters of molybdenite; lower left: cluster of subhedral pyrite (with minor inclusions of chalcopyrite) with a core of ankerite (mainly to the left of the photo0 and a rim of molybdenite intergrown wit chlorite; quartz patch at top right is the edge of a patch of matrix.
54	SM0507 65.7	Fragment Type E: patchy intergrowth of ankerite, muscovite, molybdenite, and K-feldspar, with lesser quartz, and rutile (mainly intergrown with molybdenite).
55	SM0505 65.7	matrix of breccia: quartz bordered by euhedrally terminated K-feldspar grains (with minor alteration patches of muscovite or sericite); molybdenite forms numerous irregular clusters of slender flakes in K-feldspar, mainly away from quartz.

480500E

480600E

480700E

5459000N

5458900N

5458800N

07ST07

STW0704

STW0702

STW0723

8112

8110

8101

11SM14

11SM17

11SM16

11SM15

07SM05

8102

8105

8106

07ST04

8107

11SM12

11SM10

11SM04

07ST02

SM0503

11SM02

11SM03

11SM01

07ST03

8302

Molybdenum Mineralized Zone

samples\mo

0 - 250	1000 - 2000
250 - 500	2000 - 5000
500 - 1000	5000 - 99999

litho\litho

AP	DOL	MOBRXX	SK
ARG	Dyke	MOBXX	brxx
BRX	G	MoG	lamp
BRXX	GBRXX	MoGBX	
C	Gbrexx	OBDN	
D	LAMP	S	

ddh_plan_view

Perry Grunenberg, PGeo

EMGOLD MINING CORPORATION

Stewart Moly Project
Diamond Drill Holes
Fig 11- Plan View

Scale: 1: 1000	Plan No.	Date: 05-Mar-12

480650E
480700E
480750E
480800E
480850E
1600El
1550El
5458880n

11SM09
11SM08
11SM01
SM0503
SM0502
11SM03
11SM10
8104
8102
8106
8105

topog.str
yellow line
moly breccia.str
111

samples\mo
0 - 250
250 - 500
500 - 1000
1000 - 2000
2000 - 5000
5000 - 99999

litho\litho
AP
ARG
BRX
BRXX
C
D
DOL
Dyke
G
GBRXX
Gbrexx
LAMP
MOBRXX
MOBXX
MoG
MoGBX
OBDN
S
SK
brxx
lamp

MoBrxx
Gbrexx
MOBXX
MoG
Gbrexx
G
BRX
lamp

SURPAC - Surpac Minex Group

EMGOLD MINING CORP

Stewart Moly Project
Drill Hole Section
Figure 12 - 5458880N

Scale: 1: 500	Plan No.	Date: 05-Mar-12

480650E
480700E
480750E
480800E
480850E
1600El
1550El
1500El
5458900n
8106
8105
8104
8102
8003
8101
8110
11SM09
11SM10
11SM01
11SM13
11SM04
11SM14
STW0703
SM0809
topog.str
yellow line
moly breccia.str
111
samples\mo
0 - 250
250 - 500
500 - 1000
1000 - 2000
2000 - 5000
5000 - 99999
litho\litho
AP
ARG
BRX
BRXX
C
D
DOL
Dyke
G
GBRXX
Gbrexx
LAMP
MOBRXX
MOBXX
MoG
MoGBX
OBDN
S
SK
brxx
lamp
MoBrxx
Lamp
EMGOLD MINING CORP
Stewart Moly Project
Drill Hole Sections
Figure 13 - 5458900N
Scale: 1: 600
Plan No.
Date: 05-Mar-12
SURPAC - Surpac Minex Group

480650E
480700E
480750E
480800E
480850E
1600El
1550El
1500El
545920n

8102
8003
8106
8105
8110
11SM05
11SM15
11SM14
11SM01
SM05002
SM05003
SM05004
SM05005
SM05006
SM05007
SM05008
SM05009
SM05010
SM05011
SM05012
SM05013
SM05014
SM05015
SM05016
SM05017
SM05018
SM05019
SM05020
SM05021
SM05022
SM05023
SM05024
SM05025
SM05026
SM05027
SM05028
SM05029
SM05030
SM05031
SM05032
SM05033
SM05034
SM05035
SM05036
SM05037
SM05038
SM05039
SM05040
SM05041

480850E

1600El

1550El

1500El

1450El

1400El

11SM13

11SM14

11SM17

11SM18

11SM19

11SM15

11SM01

11SM12

11SM06

STW0701

STW0703

8101

8110

8112

MOBRXX

MoG

lamp

Lamp

G

topog.str

yellow line

moly breccia.str

111

samples\mo

0 - 250

250 - 500

500 - 1000

1000 - 2000

2000 - 5000

5000 - 99999

litho\litho

AP

ARG

BRX

BRXX

C

D

DOL

Dyke

G

GBRXX

Gbrexx

LAMP

MOBRXX

MOBXX

MoG

MoGBX

OBDN

S

SK

brxx

lamp

480800E

5458940n

Perry Grunenberg, P.Geo

EMGOLD MINING CORP

Stewart Moly Project

Drill Hole Sections

Figure 15 - 5458940N

Scale: 1: 600	Plan No.	Date: 05-Mar-12

11SM14
11SM17
11SM15
11SM16
11SM19
11SM10
8109
8112
11SM01
11SM06
MoBrxx
MoG
MOBXX
lamp
Lamp
LAMP
G
S
MoG
MOBXX
MoG

topog.str
yellow line

moly breccia.str
111

samples\mo
0 - 250
250 - 500
500 - 1000
1000 - 2000
2000 - 5000
5000 - 99999

litho\litho
AP
ARG
BRX
BRXX
C
D
DOL
Dyke
G
GBRXX
Gbrexx
LAMP
MOBRXX
MOBXX
MoG
MoGBX
OBDN
S
SK
brxx
lamp

5458960n

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EMGOLD MINING CORP

Stewart Moly Project
Drill Hole Sections
Figure 16 - 5458960N

Scale: 1: 600	Plan No.	Date: 05-Mar-12

480650E
480700E
480750E
480800E
480850E
480900E

1600El
1550El
1500El
1450El

8104
8102
8115
8106
8105
8107
8110
8112
8101
8100

11SM10
11SM09
11SM08
11SM07
11SM06
11SM05
11SM04
11SM03
11SM02
11SM01
11SM14
11SM12
11SM18
8003
STW0703
STW0701
STW0711

topog.str
yellow line

moly breccia.str
111

samples\mo
0 - 250
250 - 500
500 - 1000
1000 - 2000
2000 - 5000
5000 - 99999

litho\litho
AP
ARG
BRX
BRXX
C
D
DOL
Dyke
G
GBRXX
Gbrexx
LAMP
MOBRXX
MOBXX
MoG
MoGBX
OBDN
S
SK
brxx
lamp

long_section

Perry Grunenberg, P.Geo

EMGOLD MINING CORP

Stewart Moly Project
Drill Hole Section
Figure 17 - Long Section

Scale: 1: 750	Plan No.	Date: 05-Mar-12

480650E

480700E

480750E

480800E

11SM01

11SM02

11SM03

1600El

1600El

1550El

topog.str

yellow line

moly breccia.str

samples\mo

0 - 250

250 - 500

500 - 1000

1000 - 2000

2000 - 5000

5000 - 99999

litho\litho

AP

ARG

BRX

BRXX

C

D

DOL

Dyke

G

GBRXX

Gbrexx

LAMP

MOBRXX

MOBXX

MoG

MoGBX

OBDN

S

SK

brxx

lamp

Dyke

8104

8105

480700E

480750E

section_ddh_02_and_03

Perry Grunenberg, P.Geo

EMGOLD MINING CORP

Stewart Moly Project

Drill Hole Sections

Figure 18 - Drill Holes 11SM02, 03

Scale: 1: 500 | Plan No. | Date: 05-Mar-12

	Emgold Mining Corp																	
	PROPERTY:		Stewart	moly breccia zone	HOLE LOCATION													
					EOH													
	FROM	TO	LITH CODE	DESCRIPTION	subdepth		STRUCTURE		ALTN / MIN	MINERALIZATION								
HOLE ID					from	to	TYPE	ANGLE		PY	PO	MO	SP	W			OTHER	
11sm01	0	2.73	C	casing through broken bedrock, granite														
11sm01	2.73	49.7	G	granite, 20% mafics altered to green Hb and Bio,white matrix qtz-fspar (plag>kspar) variable altered, fine grained sugery grained pockets xenos or multi-intrusives, sulphide and quartz veined, fractures along veins and oxidized breaks, few fg sediment xenos, possible black quartz or tourmaline find banding in few places	2.7	4.8	fract	45, 20	high rusty stained, strong along fractures at 45 and 10, greenish chl-ep vein 2cm at 5.3	3.0								
11sm01					4.8	6			strong silicified, py veins pods	2.0								
11sm01					6	16			chloritized mafics, strong silic pockets	1.0								
11sm01					16	18			stronger oxidized fractures, goethite-rust	1.0								
11sm01					18	21.6			patchy silicified	2.0								
11sm01					21.6	25			strong silicified, poddy masses and veins py-sp, mostly near 24.4	2.0			1.0					
11sm01					25	29.5			weaker altered, green mafics	0.5								
11sm01					29.5	35			patchy silicified, rusty geothite stained fractures	0.5								
11sm01					37	38.4			strong patchey brown sp with lesser py masses, siliceous masses	1.0			2.0					
11sm01					39	44.5			slight rusty, chalky white argillic, weak	1.0								
11sm01					44.5	49.7			siliceous grading to chalky, rusty white, qv's shallow angle to ca, fine py fracture infill with minor very fine mo	0.2	0.1	0.1						
11sm01	49.7	51.45	D	Dyke, dark grey with anhedral fspar phenos and elongated mafic, sharp contacts approx 60.					foliation alligned mafic grains									
11sm01	51.45	80.5	G	highly altered patchy siliceous with variable veining, green hues with chl and possible epidote in places, remnant fspar to 1cm size visible in few places, alterd mafics to 10%, patchy py with lesser po,	51.5	57			rusty breaks, patchy silicification mod to strong, few fracture infill stringer py	2.0	1.0							
11sm01					66	72			strong silicified section, patchy fine white to grey translucent, mottled texture, patchy py with lesser po	2.0	0.0							
11sm01					72.1	72.3	vn	45	coarse py qtz fspar veinlet, 3cm at 45									
11sm01					75	76.5			py-seric-ep-ch phyllic alteration, moderate to strong	5.0								
11sm01					76.5	80.5	vns	45	minor .5 to 1cm qtz py bands	1.0								
11sm01	80.5	142	BRXX	weakly brecciated granitic, in places remnant broken megamegacrysts fspar to 5%, few fg dark sediment fragments to 5cm size, mostly autobrecciated granitic with silicification, moly bearing segments as very fine grains disseminate creating massive grey color in core, less brecciated texture down section to 101, increased green sericite py - phyllic altered, more sedimentary fragments in granitic breccia 102 to 123, fragments to 5cm purplish fg within granitic with few coarse fspar grains, 132 down becoming more granitic textured, less fragmental weak intrusive brexx, 15% altered mafics 3mm, green				60	fine diss mo individual grains scattered throughout silicified segments over 30 to 40cm, associated with brecciation and infill alteration, py as disseminate and as fracture coatings	2.0		0.5						
11sm01					81.5	82.5			grey core with up to 1% fine mo	1.0		1.0						
11sm01					88.2	88.7			patchy grey segments very fine mo	1.0		1.0						
11sm01					88.7	89			rusty breaks, minor	1.0								
11sm01					89	99.3	alt		green hued seric-py with minor po coarse infills, some graphic intergrowth qtz-fspar as late infills	2.0	0.5							
11sm01					99.3	102			minor carbonate, some brownish patches possible siderite?	1.0	1.0							

	Emgold Mining Corp																	
	PROPERTY:		Stewart	moly breccia zone	HOLE LOCATION													
					EOH													
	FROM	TO	LITH CODE	DESCRIPTION	subdepth		STRUCTURE		ALTN / MIN	MINERALIZATION								
HOLE ID					from	to	TYPE	ANGLE		PY	PO	MO	SP	W				OTHER
11sm01					109	109.3			fg sediment fragment, hornfelsed									
11sm01					112.2	112.3			po blebs, coarse, 2cm		2.0							
11sm01					132.88	132.89			moly coated fracture			1.0						
11sm01					136.24	136.25			moly coated fracture			1.0						
11sm01	142	219.8	G	light colored matrix qtz plag kspar with green altered mafics (hb, bio), minor qtz and qtz carb veinlets, py variable individual blebs and fracture coatings, very minor po, sections with megacrystic fspar over 30cm, alteration variable as well as variation in original composition of granite, 156.5 to 156 few inclusions of fspar porph med fine grain matrix xeno,					small blebs and pockets puplish colored soft white scratching mineral (iron carbonate) to less than 1%, py individual grains and small masses, and on fracture surface as coatings	0.5	tr							
11sm01									pockets of silicification moderate, chl atered mafics, qv and q carb veinlets to 4cm width, patchy sericite in matrix to grey fine texture									
11sm01					142	152	vns	45	few qvs variable fine translucent to coarse with carbonate intergrowth, minor py									
11sm01								20										
11sm01					156.3	156.4	vn	40	1cm po qtz carb veinlet									
11sm01					174	174.1	vn	60	single white 5cm qv with grey qtz margins, minor pu									
11sm01					175.5	175.6	vn	50	warpy 4cm qv with py-po mass 1cm									
11sm01					178.5	190			very homogenous granite with slight silicified sections, 10% slight green mafics equigranular									
11sm01					190	201.7			weak patchy silicified, minor qvs									
11sm01					201.7	202	vn	45	30cm qv white with parallel py bands within (2% of vn)									
11sm01					202	218	vn	45	continued weak silic with few qv									
11sm01								80										
11sm01					219.5	219.8	vn	45	white quartz carb vein at contact to dyke, 8cm									
11sm01	219.8	220.5	Dyke	dark grey with white fspar rounded phenos 2mm size to 5%, andeisite basaltic														
11sm01	219.8	221.28	G	same as previous, white with dark green altered mafics to 10%						tr								
11sm02	0	1.83	C	casing through broken bedrock, granite														
11sm02	1.83	62.79	G	granite, variable fragment content, variable alteration mostly silicified (potassic) patches, dark grey to green altered mafics (hb bio) to 10%, equigranular equidistributed, minor segments felsic appearance granite phases with obsorbed contacts, blebs and thin veinlets of translucent reddish mineral, responds to HCl - iron carbonate (Sp?), fpspar megacry to 1cm in phases over 1m segments, less altered and less variable down from 36, 58 to 62.79 lots of felsic light grey to white sugary granitic segments up to 1.5m, no sharp contacts (resorbed dykes?)					pyrite disseminate fg, and lesser coarse grains, rusty fractures and rusty limey pockets to 31, very fine minor po	0.5	tr							
11sm02					9.1	9.2	vn	70	broken white quartz, no contacts									
11sm02					17.5	17.6	vn	50	warpy iron stained 3cm veinlet qc reddish carbonate									
11sm02					25.2	25.3	vn	45	.5 cm red carb or sp				tr					
11sm02					41.5	42.5	vns	40	xcut veinlets 3mm grey quartz with py blebs									
11sm03	0	3.43	C	casing through broken bedrock, granite				70										
11sm03	3.43	39.7	G	weakly brecciated granitic, in places remnant broken megamegacrysts fspar to 5%, few fg dark sediment fragments to 5cm size, xenolithic minor component, minor felsic phase as fine grained somewhat sugary textured creamy white 20cm segments, resorbed multiphase, green to grey mafics to 10%, rusty sections oxidized weathered along fractures and pervasive from fractures	5.9	9			moderately rusty sections, some fine grained felsic, py with lesser po as blebs and elongate along fractures	1.0	tr		tr					

	Emgold Mining Corp																	
	PROPERTY:		Stewart	moly breccia zone	HOLE LOCATION													
					EOH													
	FROM	TO	LITH CODE	DESCRIPTION	subdepth		STRUCTURE		ALTN / MIN	MINERALIZATION								
HOLE ID					from	to	TYPE	ANGLE		PY	PO	MO	SP	W				OTHER
11sm03					13	30			generally more oxidized weathered along fractures and somewhat pervasive stained and decomposed to brown color, patchy, potential sp as translucent reddish individual blebs and masses up to .5cm, fizz under HCl	1.0	tr		tr				
11sm03	39.7	40.96	Dyke	Grey green fg matrix with white spotting anhedral fspar, contacts broken about 70			cntct	70										
11sm03	40.96	62.79	G	granite, variable coarse fspar phyric to altered green to tan colored fine grained weak silicified, minor brecciation with minor fine grained green sediment xenoliths, green altered mafics to 10% equigranular granitic textured, minor reddish oxidation/weathering increasing towards bottom of hole, broken quartz veins few, minor mo, possible sp	41.5	41.6	vn	70	qtz along fracture 5cm, rusty, grey	1.0								
11sm03					41.45	42			rusty weathered section, oxidized weathered pocky									
11sm03					49.3	50.8			silicified section to massive grey-tan fg with hairline fracture veining at base									
11sm03					52	52.1	vn	70	fracture coating mo, thin, slickened			tr						
11sm03					53.6	62	vn	70	strong silicification rusty broken core with few veinlets qtz and qtz carb, moly on fracture at 55.6, strong quartz flooding with py-po mo and possible sp at 55.75 over 10cm, 61.7 to 62 quartz rusty with po and py and possible sp	1.0		tr	tr					
11sm03					62	62.4			less altered, grey, weakly brecciated with veining									
11sm03					62.4	62.79			rusty oxidized quartz flooded weak brecciated to end of hole									
11sm04	0	3.48	C	casing through broken bedrock, granite														
11sm04	3.48	22.65	MOBRXX	moly bearing breccia, angular fragmental igneous breccia with 2 to 10cm frags and few xenoliths of sediment to 30cm size, moly is very fine grained within siliceous matrix of breccia appears as dark grey masses in brecciated segments, quartz carbonate matrix, silicified with late? carbonate/chlorite possible epidote overprint, py throughout as fine disseminate, po masses as fragment space infills, modertate to strongly oxidized/weathered down to 18, some sulphide loss	3.48	5.49			rusty, oxidized pockey core, 3cm elongate masses of po in a couple 20% fragments of dark grey fg sediment, few 4cm sections dark grey possible vfg moly	2.0	5.0	0.2						
11sm04					5.49	6.96			po blebs and masses infilling brexx spaces, little to no moly visible in less brecciated granitic	1.0	1.0	tr						
11sm04					6.96	10.6			granitic with less brecciation and mineralization, minor isolated masses of vfg moly	1.0	0.5	0.1						
11sm04					10.6	11.1			hornfelsed dk grey fg sediment xenolith									
11sm04					11.1	12.2			vfg grey patches possible moly, in strong carbonate matrix med grey limestone appearance	1.0	tr	0.3						
11sm04					12.2	19.35			patchy segments granitic texture with lesser sediment fragments, very weathered partly oxidized core, iron stain banding (groundwater fronts) siderite red color stained, pocky core, little to no mo evident	1.0		tr						
11sm04					19.35	20.57			moly breccia, fractured granitic flooded with q-c and mo veining masses to 50% of core, rsbrounded to angular fragments granitic and sediment mostly 1-2cm size up to 5cm	1.0		5.0						
11sm04					20.57	21.5			granite with lesser fragmentation and little to no silica moly flooding, minro graphic qc fspar intergrowth vein, 10cm sediment frag xeno 21.4-21.5	1.0								
11sm04					21.5	22.65			moly breccia, mostly light colored fragments silicified granite subrounded 1cm to 5cm size, grey vfg qc mo matrix	tr		5.0						
11sm04	22.65	24	lamp	dark grey with white spotting fspar clusters anhedral 1 to 2mm grains, coarse biotite to 3% individual black grains to 5mm														

	Emgold Mining Corp																	
	PROPERTY:		Stewart	moly breccia zone	HOLE LOCATION													
					EOH													
	FROM	TO	LITH CODE	DESCRIPTION	subdepth		STRUCTURE		ALTN / MIN	MINERALIZATION								
HOLE ID					from	to	TYPE	ANGLE		PY	PO	MO	SP	W			OTHER	
11sm04	24	48	MOBRXX	granitic autobreccia with wall rock fragments and xenoliths fine graine dark grey sediment, matrix from 5% to 50% of rock composed of qtz-carb with sericite patchy areas, and vfg grey masses of moly of variable percentage, weaker moly with depth but continued brecciation of intrusive	24	27			strong moly vfg patches in matirx of breccia	1.0	tr	5.0						
11sm04					27	38.5			continued strong fragmental granitic with minor graphic intergrown q c fspar, weak grey patchy color in matrix possible low percent mo, subrounded to angular fragments 1 to 5cm size, few larger xeno sediment hornfelsed	3.0	1.0	1.0						
11sm04					38.5	44.7			slight greening coloration to core, sericitic silvery masses with stronger py and po, more phyllic alttered over printing silica-carbonate, few masses or pods of po to 3cm size, several pocket infills of coarse graphic carb-qtz possible kspar	5.0	3.0	0.5						
11sm04					44.7	44.8			few mo coated fractures, possible vfg minor diss in strongly sericitic altered breccia	3.0	1.0	tr						
11sm04					44.8	48			patchy grey vfg masses within breccia matrix, possible low grade mo, more strongly sericitic with py altered (phyllic?), decreasing evidence of moly with depth	3.0	1.0	tr						
11sm04	48	136	BRXX	Continued intrusive breccia with less matrix and more fragment to 80%, generally silicified appearance with mod to strong carbonate in matrix and altered fragments, fg green grey angular fragments wall rock sediments, blebs and masses and fg disseminate py, periodic masses po, no visible mo, few late stage cavity infilling qtz carb as coarse graphic vein/pods, often with po masses to 3cm, very minor odd moly coated fracture (see 90.25)	48	61			continued granitic breccia with py and po individual grains and masses, minor purplish red translucent sp or iron carb looking grainy masses, some sections visible phyric megacrystic fspar sections particularily 1 to 2 cm feldspar	2.0	1.0	tr	tr					
11sm04					61	62			qtz flooding irregular veining of white quartz with minor coarse po masses to 1cm	1.0	2.0							
11sm04					62	87			weakly gradational from strong qtz carb alt to more green colored chl seric py alt	3.0	1.0							
11sm04					87	87.1			coarse graphic qc infill, chl on fractures									
11sm04					90.25	90.35			moly on fracture surface, thin coating	1.0		0.2						
11sm04					93.4	93.5			qtz pod with po masses 1 to 2cm, 5% of section		5.0							
11sm04					93.5	103			slightly more granitic appearance and less brecciation									
11sm04					103	105			brecciation with angular white granitic fragments , single qtz pod with carb graphic intergrowth									
11sm04					105	107			more granitic mafic spotted equigranular									
11sm04					107	108			breccia with quartz pods and masses po along vn margins, 10% qtz with 2%po	1.0	2.0							
11sm04					108	136			continued weak intrusive breccia with nearly fragment supported angular to subangular 2 to 5cm frags, few po masses of 1 to 2cm size sporadic in places associated with late stage qtz with or without carbonate infills, variable py content as coarse disseminate and lesser pods	3.0	1.0							
11sm04	136	154.84	G	mostly mafic spotted granitic with patchy partly resorbed rounded breccia fragments, or pathcy phases of intrusive, moderate pervasive carbonate alterered groundmass, very few sediment fragments, could be considered weak intrusive breccia as gradational change from top to bottom of hole					weak silica, moderate pervasive carbonatechloritized mafics, few pods po and py with fg disseminate throughout, possible few fg individual grains mo	1.0	tr	tr						
11sm04					153.5	154			short brecciated section, mostly fragment suppored but for 10cm section with grey vfg matrix, fg py with possible grains mo, po on fracture surfaces	1.0	1.0	tr						

	Emgold Mining Corp																	
	PROPERTY:		Stewart	moly breccia zone	HOLE LOCATION													
					EOH													
	FROM	TO	LITH CODE	DESCRIPTION	subdepth		STRUCTURE		ALTN / MIN	MINERALIZATION								
HOLE ID					from	to	TYPE	ANGLE		PY	PO	MO	SP	W			OTHER	
11sm05	0	1.51	C	casing through broken bedrock, granite, some casing core N casing in box, loss of some mo minerlization in cased section														
11sm05	1.51	16.8	MOBRXX	stongly oxidized deeply weathered core, some sections less weathered show rounded to subrounded fragments mostly granitic with silica-moly matrix, variable matrix from 5 to 25% of core, vfg moly specs in silica-carbonate matrix appears as grey massive fg containing fragments, some green sericite altered fragments	2	12.65	mo		grey masses of moly-silica-carbonate matrix, slightly variable content but strong through section, py mostly oxidized to pocky core, possible po	1.0	5.0	tr					
11sm05					12.65	14.3			less molly in weak breccia (moly fragment supported), subtle grey masses in few places	1.0	1.0	tr					
11sm05					14.3	14.4	vn	40	single qv with strong py blobs along margin and within	5.0							
11sm05					14.4	16.8			broken rusty core, variable py possible po	1.0	1.0	tr					
11sm05	16.8	17.57	lamp	light grey, spotted with silvery mica, sericitized matrix and sericitized biotite to 3mm size equidistributed, fg groundmass with 10% mica					oxidized to rusty broken fragments								
11sm05	17.57	90.5	BRXX	mostly intrusive breccia with variable content of fine grained dark grey sediment fragments, slight green color in places likely sericite, with py (phyllic alt), some oxidation weathered, patchy qtz veining with strong py in places, few sections with vfg moly in silica-carbonate matrix, grading from sediment and granitic fragments to mostly granitic fragments with depth and decreasing breccia texture with depth, contact is arbitrary determined by fragments less then 5%, few megamegacrysts feldspar to 4cm size squares, alteration patches of silica-py with greenish sections sericite, few blobs chlorite, in and out of mafix phyric to 10%, irregular patchy type textures with minor intrusive brecciation	17.57	22			mod to strong rust oxidized py and po, pocky core in places, py and po masses to 3cm length, patchy quartz pockets pods with or without sulphide, few,	3.0	2.0	tr					
11sm05					22	25			qtz-py-po fracture infills between fragments in breccia	2.0	1.0	tr					
11sm05					25	25.1			qtz-py mass very oxidized pocky								
11sm05					25.1	29.3			variable oxidized orange limonitic iron carbonate stained with few masses of translucent reddish sp and or iron carbonate? Pervasive green color possible sericite, with py phyllic,	1.0	1.0	tr	tr				
11sm05					29.3	29.6			weak moly as vfg in small percentage matrix in weak breccia	1.0	tr	0.2					
11sm05					29.6	32.5			increased large fragments sediment to 40% of core, fine grained dark grey to black rounded 25cm sz,								
11sm05					32.5	32.7			minor fracture infill breccia matrix with vfg moly			0.5					
11sm05					32.7	34.7			rounded fragment breccia with little to no qtz-carb matrix, mostly fragment supported	1.0	1.0						
11sm05					34.7	34.8			5cm segment with low % mo in qtz-carb weak breccia	tr		0.2					
11sm05					35.8	35.9			10cm rouinded mass of py-chl qtz pocky oxidized	3.0	tr						
11sm05					36	45			broken core, problems with core recovery drillers mislatch. Increasing competency of core with depth and with decreased breccia texture, more healed rounded to subangular fragment supported intrusive breccia								
11sm05					45	59			continued breccia with variable content sediment fragments, few places of rounded 3 to 5cm frags in moderate to strong carbonate with silica matrix, weak sericite green and strong chl in patches, individual bleb and masses of po few, disseminated py mostly throughout	2.0	1.0						

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HOLE ID					from	to	TYPE	ANGLE		PY	PO	MO	SP	W			OTHER	
11sm05					59	71			kspar megacrystic remnants in molsty intrusive fragmental brecca, mod to strong cream to green sericite throughout mod to strong with py (continued phyllic), py diss and on fracture surfaces, remnant mafic in places to 5%, minor po masses, few qtz pods with py po									
11sm05					71	71.2			qtz irregular mass pod with carse py and po infillings up to 20% of core	3.0	3.0							
11sm05					71.2	73.6			several qtz-py-po pods of 5 to 10cm length with up to 15% of core, course blebs	2.0	2.0							
11sm05					77.9	78			5cm pod of qtz carb with po mass	1.0	4.0							
11sm05					78	90.5			patchy green seric - py phyllic aleration with few qtz masses, py blebs and clusters as well as fine disseminate, less po	2.0	tr							
11sm05	90.5	111.86	G	megacrystic fspar porph with variable mafic 1 to 5% chloritized hb and bio, sebhedral rounded mafic and groundmass with 1 to 3cm square euhedral fspar (plag), looks like Nelson batholith intrusive breccia, weakening brecciation and alteration with depth,	90.5	98	vn	45	minor irregular weak slightly resorbed qtz pod/veins 1 to 2cm width, continued py diss and blebs	2.0	tr							
11sm05					98	103	pod		slight increase in qtz, pods and masses with blebs and masses of py and po in few spots	3.0	1.0							
11sm05					103	106.3			moslty fpar megacrystic granitic	1.0	tr							
11sm05					106.3	106.4	min		purplish translucent mineral mass possible sp or iron carbonate (seems to fizz)			1.0						
11sm05					106.4	110.8			moslty fpar megacrystic granitic									
11sm05					110.8	111.8	alt		mod pervasive sericite with later chlorite, mod to strong carbonate throughout, chl on fractures thick coating in places, weak brecciation	1.0								
11sm06	0	3.04	C	Casing through broken bedrock granites														
11sm06	3.04	17.55	MOBRXX	strong moly matrix content in brecciated intrusive, rounded to subangular fragments 5mm to 6cm size, 5 to 50% matrix with strong silica and carbonate content with micro spotting of moly individual grains leading to medium silvery grey colored sections of matrix supported breccia, strong oxidation rustiness and pocky core down to 12m, few sediment inclusion fragments or xenoliths	3.04	5.2	min		moderately weathered core oxidized with less visible moly than further down hole.	1.0	tr	0.3						
11sm06					5.2	17.55	min		strong moly-qtz-carb supported breccia	1.0	tr	5.0						
11sm06	17.55	28	G	mostly mafix spotted fspar porph granitic with variable alteration and fracturing to very weak brecciation,chl altered hb and bio and chl and sericite to light green colors few moly coated fractures, tan to greenish color weak sericite?	21.5	21.6	mo	50	mo on fracture, thin			1.0						
11sm06					22.3	22.4	mo	45	mo on fractures, thin, several parallel hairline fracture infills			1.0						
11sm06					25	25.1			mo on fracture arcuate fracture shallow to ca, possible fragment surround			1.0						
11sm06	28	31.1	lamp	dark to med grey with fine white spotting to 10%, , coarse grained altered bio to 5% individual grains 2 to 3mm														
11sm06	31.1	34.4	MOBRXX	angular to rounded framents mostly granitic with minor sediment, light grey matrix qtz-carb-mo with vfg moly specs lesser abundant than previous mobrxx					mo, lesser py	0.5		3.0						
11sm06	34.4	35.58	G	mafic spotted granite with few 10cm brecciated segments with mo, fspar megamegacrysts,						1.0	tr	0.2						
11sm06	35.58	37.02	MOBRXX	granitic with several sections brecciation with mo matrix to 50% of core, vfg mo in qtz carb to light grey						1.0		0.5						
11sm06	37.02	38.58	S	sediment xenolith, banded at 45 with sericite qtz alt						2.0								

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11sm06	38.58	44.5	MoG	mostly altered granitic with flooding of silica-mo throughout, not as recognizable as a breccia, possibly resorbed fragments with alteration					strong sericite py alteration remnant fragments and megamegacrysts visible as mottled texture, variable mo content with weak matrix appearance subtle grey coloring containing vfg scattered mo throughout, ranging from .2 to 1%	1.0		0.5						
11sm06	44.5	56.8	Gbrexx	granitic with variable content fragments, roughly 20% dk grey fg sedimentary frags, partly resorbed granitic frags where stronger seric altereation, little no no mo, few fragments of moly bearing granitic in brecciated areas, weaker breccia than in previous brecciated granitic	47.4	47.8	min		poddy massive po and py with fragments of moly bearing fg dark masses, irregular shaped 2 to 5cm masses of sulphides	2.0	3.0	0.5		tr				
11sm06					50.1	50.4			sediment xenolith									
11sm06					51.2	51.5			sediment xenolith									
11sm06					56.3	56.8			sediment xenolith									
11sm06	56.8	86.85	MOBRXX	weak breccia with strong phyllic alteration seric with py masses periodic, creamy colored throughout, mottled texture with grey masses containing mo in fragments, on fractures, and vfg diss, few larger sediment frags/xeonliths, not as strongly mo matrix supported, more fine thin fracture infills and disseminated mo, core uv lamped shows very small specs scheelite individual grains in few places (trace), fragments of fine grained aplitic looking subrounded 5 to 10cm	56.8	61	min		creamy altered with low grade moly as fracture infills and irregular fragments with moly content, few py and po blebs and masses	1.0	1.0	0.2		tr				
11sm06					61	62.5	min		dark grey masses with vfg mo irregular shape and size, with pods of massive py and po to 4cm size	2.0	3.0	0.5						
11sm06					62.5	74.55	min alt		strong sericite as creamy coloration pervasive throughout moderate brecciation, few qtz carb fspar graphic intergrowths late infills with po py coarse pods to 5cm, strongly mo mineralized in matrix and as breccia fragments with mo vfg, variable grade from .2 to 2% over 30cm sections	1.0	1.0	1.0		tr				
11sm06					74.55	75			sediment xenolith									
11sm06					75	80	min		crackle brecciated with quartz iron carbonate and ca carbonate infills with mo, med grey areas with vfg specs, variable mo content .2 to 1% over 30cm segments	1.0	1.0	0.5		tr				
11sm06					80	81.5	min vn		quartz flooded breccia with pods py po coarse angular graphic texture with creamy iron carbonate (or dolomite) with moly vfg specs in matrix and elevated content in some fragments, continued creamy colored pervasive altereation (sericite, kspar?)	2.0	2.0	0.2		tr				
11sm06					81.5	86.85	min alt		continued moly breccia with 30cm segments up to 30% moly brearing qtz carb with late stage graphic qtz iron carb ingrowths in few places, complex alteration assemblages with green patches and cream colors pervasive throughout partial obsorbtion of grains, few remnant fspar megamegacrysts	2.0	1.0	0.5		tr				
11sm06	86.85	121.17	MoG	highly altered with remnant breccia texture in places as mostly resorbed/altered fragments rounded 1 to 5cm size, very mottled textures with remnant fspar megamegacrysts of 1 to 2cm size euhedral, moly on fracutres as hairline infills as well as vfg clusters within the rock groundmass, hazy patches of slight grey color contain specs of mo to .2%, , possibly a crackled fractured brecciation of bedrock followed by episodes of alteration and mineralization, strong cream and weak green colors, gradationally weaker brecciation and less moly mineralization from 114 to 121.17	86.85	95.5	min alt		mod to strong pervasive sericite qtz carbonate altered mottled rounded colors variations, minor fg fragments sediment to 10cm size, moly trace to 2% on few fractures as well as patchy vfg matrix, some fragments rimmed in moly as med grey color	2.0	tr	0.1						

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11sm06					95.5	95.6	pod		py po blob, pocky oxidized 5cm rounded	5.0	5.0							
11sm06					95.6	98.8	min		vfg moly variable content from trace to .2%, clusters grey patches in matrix	2.0	1.0	0.1						
11sm06					98.8	99	pod		coarse qtz carb intergrowth with po py masses	5.0	5.0	tr						
11sm06					99	102.3	min		traces of vfg mo unevely distributed in matrix and partly rimming few fragments	1.0	1.0	tr						
11sm06					102.3	102.4	pod		qtz with massive po and py over 5cm	10.0	10.0	tr						
11sm06					103	103.2	pod		graphic qtz iron carb intergrowths									
11sm06	103.2	105.9	MOBRXX	rounded fragments result of increased matrix content to 10% in brecciated granitic, weakly matrix supported, with area of increased fg sediment fragments as rounded 5 to 10cm to 30% of core, strong moly in matrix vfg weak grey colors, continued complex alterations	103.2	105.9	min alt		patchy mineralization and variable colors with alterations, sericite-qtz-carbonate-py with up to 1% mo content in matrix	2.0	tr	0.5						
11sm06	105.9	121.17	MoG	continued altered crackle brecciated granitic with slight mafic remnant porph texture and few megacryst fspar, traces of moly within crackle spaces and few vfg specs in groundmass	10.59	112.8	min		trace mo vfg specs and few fracture coatings	1.0		tr						
11sm06					112.8	113	pod		15cm qtz carb pod through core at 30 tca									
11sm06					113	115	min		slightly elevated moly as very fine fracture infills	1.0	tr	0.5						
11sm06					115	121.7			gradationally less fractured-crackled-brecciated core with traces of mo as individual vfg specs and as weak fracture coatings, less strong alterations, py ranging up to 3% throughout as netowrked disseminate and as fine fracture coatings	3.0	1.0							
11sm06	121.17	123.35	lamp	single dyke with granite xeno or 2 dykes with contacts at 40 to 45, granitic xeno from 121.7-122.1, rounded white to light green spotted with 20% biotite phlogopite in dark grey to brownish matrix			cntct	45										
11sm06	123.35	131.4	MoG	continued altered crackle brecciated granitic with slight mafic remnant porph texture and few megacryst fspar, traces of moly within crackle spaces and few vfg specs in groundmass						1.0	tr	0.2						
11sm06	131.4	134.65	G	mafic spotted to 20% more granitic textured than above with little to no moly, alteration less as weak silicification and greening of mafics, competent long sections of fractureless core					wk siliceous chl mafics, py diss	1.0		tr						
11sm06	134.65	190	MoG	strong alterations with some remnant sections protolith visible as mafix-fspar granite, molsty creamy orange colored silica-sericite-py alteration (potassic-phyllic) with segments of coarse graphic intergrowth qtz-iron carbonate over 10cm segments, mostly original rock texures obliterated by alterations, moly as thin fracture coatings and lesser weak grey colored matrix around fractured sections of weak crackle texture, gradationally less alteration and mineralization to more granitic at bottom of section	134.65	138.2	alt min		weak banded texture with increasing alteration along bands, moly traces individual grains, single qcarb graphic growth over 10cm at 137.35	1.0		tr						
11sm06					138.2	138.5	alt vn		qtz iron carb graphic intergrowth									
11sm06					138.5	139.2	alt min		increased creamy sericitic silica alt with patches of higher grade moly to 0.5% 1138.7 to 139	1.0		0.3						
11sm06				moly porphyry zone from about 154 to 191, strong kalt with phyllic alt, moly primarily as fracture infillings with short segment of weak breccia mo matrix	139.2	146.2	alt min		some patches weaker alteration that show spotted texture remnant mafics and somewhat visible feldspar megamegacrysts partially resorbed into altered matrix, py as thin fracture coatings and few poddy masses small with very minor po, mo trace as very fine individual grains	0.5	tr	tr						
11sm06					146.2	146.3	min	70	mo coated fractures near 146.3 in highly altered granitic	1.0		0.5						
11sm06					146.3	151.2	min alt		moderate alteration to creamy colors with remnant granitic texture visble in places, moly vfg few disseminated grains random	1.0		tr						

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11sm06					151.2	152.8	min alt		moderate to strong cream seric-qtz-carbonate py altered with few moly coated fractures slight mo upgrade	1.0		0.2						
11sm06					152.8	154.54			section of remnant not as altered granitic dioritic looking grey with resorbed feldspar and altered mafics, less mineralized to no moly	0.5		tr						
11sm06					154.54	163	min vn	60	moly as fracture infills at 50 to 60, kspar envelopes around some fractures with py (late K alt), mostly pervasive carbonate with sericitic matrix and remnant chl altered mafics, patchy Kalt throughout, possible phyllic alt followed by later K alt.	1.0	tr	0.5						
11sm06					163	165.5	min alt vn		abundant coarse graphic intergrowth qtz iron carbonate irregular orientation and size, possible open vug infills, mo as fract infills and very weak vfg diss irregular distribution, py network texture as well as blebs and few masses, po less with py	2.0	tr	0.3						
11sm06					165.5	165.7	min		po py mass pod with qtz over 5cm pod	5.0	8.0	tr						
11sm06					165.7	183	alt min		strong kalt over phyllic as pink pervasive color with harder sections over printing py-seric-qtz mineralization, moly late stage fracture infills with very minor brecciation-moly matrix texture, py masses and individual grains with lesser po, some sections with up to 0.5% mo due to more abundant fracture infills	2.0	tr	0.3						
11sm06					183	183.5			short segment less altered less mineralized slight mafic porphyry granitic	1.0								
11sm06					183.5	190			agillic clayey chalky altered overprinting other alterations for short section, otherwise continued strong pinkish kspar and quartz with apparent previous py-seric, strong py with few po pods, moly on fractures in short clusters or as individual fracture coatings	1.0	tr	0.3						
11sm06	190	200.65	G	black spotted altered mafic porphyryitc with euhedral felsspar to 1cm granitic textured with very patchy minor alterations, pervasive chl and carbonate	190	200			decreasing alteration and mineralization with depth with increasing granitic texture, minor moly as fracture infill, very weak mo breccia at 200.0 over 5cm, small pockets of reddish translucent mineral sp or fe carb very minor, slight pervasive sericitic near contact to dyke, pervasive carbonate less chl	1.0		tr	tr					
11sm06					200	200.65	vn	45	2cm quartz with moly margins and fracture filling margins and fine fracture infillings	1.0	tr	0.2						
11sm06	200.65	205.1	lamp	dark grey with white spotting, strong pervasive carbonate throughout, very granular texture coarse sandy basaltic looking					pervasive carbonate									
11sm06	205.1	230.43	G	granite, hb biotite spotted weakly chloritic, solid nearly equigranular equitextured with weak alteration, 1cm size euhedral shaped feldspar weakly altered-sericitic, minor veining and little to no mineralization,few quartz vein/pods and few blebs and small masses py and po	205	218.24			very weak pervasive carbonate, weak sericitie, chloritic mafics, small pockets of reddish translucent sp-iron carb mineral	tr	tr		tr					
11sm06					218.24	218.4	qvn	70	poddy qtz white to greyish, minor pypo on margin	1.0	1.0							
11sm06					221	221.1	qvn	50	very poddy with py networked within fractures	1.0	tr							
11sm06					221.1	223.8			continyed weak pervasive carbonate with few reddish masses sp or iron carb	1.0			tr					
11sm06					223.8	224	qvn	50	white quartz with little to no mineral									
11sm06					224	230.43			increasing chl as altered mafics and strong on fracture coatings, minor vein 1 to 2cm wide									
11sm07	0	1.83	C	casing through granite, rusty, possible moly bearing														
11sm07	1.83	13.5	MOBRXX	grey matrix with moly 2 to 5cm frags subrounded mostly granitic, very pocky and rusty at top of section and in places down hole	1.83	2.9	mo		50% of core is grey matrix with vfg specs mo interspersed	1.0		3.0						
11sm07					2.83	3.53			fine sediment hornfelsed with banding quartz, py	1.0								

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11sm07					3.53	3.73	mo		breccia with moly matrix short bit between 2 large xenoliths of sediment (near sediment contact), rusty oxidized	1.0		3.0						
11sm07					3.73	4.73			fine sediment hornfelsed xenolith									
11sm07					4.73	4.93			fine sediment xenolith, grey massive weak hornfelsing purplish bio hue, hard siliceous									
11sm07					4.93	13.5	min alt		strong pinkish color potassic with rusty segment oxidized py, rounded to subangular frags mostly granitic with very few sediment frags, vfg mo in silica matrix of breccia leading to dark to light grey color with low to high mo content	1.0		2.0						
11sm07	13.5	17.67	MoG	granitic remnant texture with little to no brecciation, mod to strong alterations with mod to strong oxidation rustiness pockey py oxidized, slight grey patches with super fine mo flecks to low percentage	13.5	17.67	min		patchy grey color to matrix of granitic with vfg specks of moly, low py with sericite and low pinkish fspar alt possible phyllic with slight K alt overprint	1.0		0.1						
11sm07	17.67	18.27	MOBRXX	50 to 65% moly bearing qtz matrix with rounded to subrounded fragments of granitic, sharp contacts to granite at 45	17.67	18.27	min		50% of core matrix with vfg specks moly med to dark grey			5.0						
11sm07	18.27	21.83	MoG	oxidiized rusty weathered section with crackle and fracture infilling moly, oxidized py boxworks to .5%, grading to very strong rusty possibly po near lower contact, silica-possible kspar altered, weathered seric-py	18.27	21.83	min alt		hard scratching siliceous possible kalt, minro fracture filling mo near center of section, crackled near breccia texture at 19.5 with stronger mo infillings	1.0	0.5	0.5						
11sm07	21.83	22.33	MOBRXX	short segment with stronger moly matrix breccia with granitic fragments, 40% matrix	21.83	22.33	min		moderate to light grey with vfg moly in matrix			0.2						
11sm07	22.33	24.9	MoG	mottled texture altered granite with remnant mafix and very subtle feldspar remnant, seric-silica K alt	22.6	22.7	vn	80	2 times 0.5 cm py veinlets, sharp contacts	2.0								
11sm07					22.7	24.7	min		little to no mo, possible few fine individual specks	1.0		tr						
11sm07					24.7	24.9	min		slight grey color to matrix possibly very weak brecciation with moly in matrix, highly mottled textured altered to greenish sericite with possible K alt	1.0		0.2						
11sm07	24.9	25.91	lamp	coarse biotite to 5% in granular grey matrix with white spotting rounded blebs to 1mm														
11sm07	25.91	51.14	MOBRXX	Grey matrix with moly fine specks from 10 to 50% of core with cream colored altered granitic rounded to subrounded fragments of 2 to 10%,	25.9	45	min		ligher grey moly-qtz matrix to average 25% of breccia with remnant fspar megamegacrysts and subrounded to subangular fragments of light tan altered granitic, py med to course grain disseminate throughout	1.0		1.0						
11sm07					45	48.65	min		strongly moly flecked mo-qtz matrix to 70% of core, subangular granitic fragments 1 to 5cm size	1.0		3.0						
11sm07					48.65	51.14	min alt		pinkinsh hue K altered fragments in moly-qtz matrix breccia, chlorite on fracture surface, minor fine grained py disseminate	0.5		1.0						
11sm07	51.14	81.43	G	mafic spotted with remnant fspar megamegacrysts, mod to strong altered with py-seric greenish colors, py and po blebs common, minor reddish hue sp-iron carb patches,	54	57	alt		stronger sericitic with qtz network flooding (phyllic to silicified Kalt)	1.0	1.0							
11sm07					57	59	alt		crackle textured with strong qtz flooding	1.0	1.0							
11sm07					59	60.1			sediment xenolith, brownish green hornfelsed fine grained sediment									
11sm07					60.1	64.35			strong sericite with mottled textured quartz flooding, poddy py and po, increasing alteration appearance to 64, remnant fspar megamegacrysts visible									
11sm07					64.35	64.45	alt		quartz and strong py	2.0								
11sm07					64.45	77.08			strong sericite with mottled textured quartz flooding, poddy py and po, increasing alteration, remnant fspar megamegacrysts visible									
11sm07					77.08	78.12	vn		several quartz veins with py and mo	10.0		0.5						
11sm07					78.12	81.02			moderate to light grey/green with vfg moly in matrix, fspar megamegacrysts			0.5						
11sm07					81.02	81.43	alt		strong py	3								

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							STRUCTURE		ALTN / MIN	MINERALIZATION								
HOLE ID	FROM	TO	LITH CODE	DESCRIPTION	subdepth from	to	TYPE	ANGLE		PY	PO	MO	SP	W				OTHER
11sm07	81.43	85.98	MoG	Grey/green matrix with fine grain moly, remnant fspar megamegacrysts, few sediment fragments in weak brecciated granitic, increase in mo as blebs and vfg masses (few))py po as blebs and masses	81.43	85.98	min		pockets of vfg mo to to 1% locally	1	tr	0.5						
11sm07	85.98	151.49	G	granite, ptatchy alterations from sericitic siliceous to more chloritic, minor massive grey silicified segments, hb mafics commonly chloritic, megacrysts fspar visible in places	85.98	94	alt min		granite with megacrysts remnants fspar, weak seric qtz, with minor vfg mo specks in places, Sp reddish grains blebby throuighout, minor, fw po py blebs and masses with qtz	1	0.5	tr	tr					
11sm07					94													
11sm07																		
11sm07																		
11sm07					93	93.28			strong py	2								
11sm07					93.28	115.85	alt		light grey/greenish granitic breccia,poddy py and po, remnant fspar megamegacrysts									
11sm07					115.85	116.61			chloritc fractures, moly in fracts in few places	1		tr						
11sm07					116.61	124.25			continued granitic, strong chl and py masses 121-123, , very minor vfg mo	1		tr						
11sm07					124.25	133	min		granite with few coarse q-c intergrowths, continued purplish Sp masses common	1		tr	tr					
11sm07					132.6	132.8	mo		mo fracture infill, single	1		tr	tr					
11sm07					133	135	alt		stronger sericit qtz altered with py qtz fracture infills 1-2mm size (few), few fg felsic granitic sections (xenos)			tr						
11sm07					133	146			continued granitic with variable weak alterations, minor Sp specks, traces diss py blebs	tr			tr					
11sm07					146	146.2	min		mobrxx segment, single short section with 30% vfg moly in silica matrix with 3 to 4cm fragments granite	tr		5						
11sm07					146.2	151.49			granite, traces po, py as masses few, chl on fractures, grades from mod altered seric qtz segments to very little alteration 150-151.49	tr	tr	tr						
11sm08	0	2.37	C	casing through rusty granite														
11sm08	2.37	25.13	G	feldspar megacrystic, with altered hb bio to chl, py masses, very rusty oxidized in places, green chloritic patches	14	20	alt		heavy oxidation pocky core	3								
11sm08					20	22	alt		strong silica sericite altered to white core, fine mo fract infills	2		tr						
11sm08					22	25	alt		patches rusty segments, chl seric alteration patches, leached core to white bleached colors	1								
11sm08	25.13	26.23	lamp	coarse biotite to 5% in granular grey matrix with white spotting rounded blebs to 1mm														
11sm08	26.23	61.68	G	typical mafic and fspar phyric, chl altered mafics, variable weak to moderate seric K alt,	29.6	29.7	min		1cm qtz py mo poddy vnlet, mo on margins as very fine lineations crackly infills	1		tr						
11sm08					29.7	30.7	alt		bleached with pinkish remnant fspar Kalt with strong sericite									
11sm08					30.7	33	alt min		weak sericite, few fracture infills moly	1		tr						
11sm08					33	35	alt min		stronger chl on fracts, tr moly vfg specks, single py-qtz-mo vnlet 5cm at 33.7	1		tr						
11sm08					35	35.5	alt		silicified segment with minor bands of 1-3mm qtz mo bands	1	tr	tr						
11sm08					35.5	39	alt		chl on fracts, weak seric py	tr		tr						
11sm08					39	48.5			granite, minor altered patches									
11sm08					48.7	48.8	min		qtz-sp, 5cm reddish purple masses in granite	tr			0.2					
11sm08					48.8	53	alt min		increased sericte-qtz with sp masses, increased py and po pods, disseminated and fract infills, minor mo specks	1	1	tr	0.5					
11sm08					53	57.1	vn min	60	seric py phyllic alt moderate to strong, single coarse q py mo band or vnlet	1		tr						
11sm08					57.1	57.3	min		short section mobxx with mo qtz masses, fragment supported	1		5						

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	PROPERTY:		Stewart	moly breccia zone	HOLE LOCATION													
					EOH													
	FROM	TO	LITH CODE	DESCRIPTION	subdepth		STRUCTURE		ALTN / MIN	MINERALIZATION								
HOLE ID					from	to	TYPE	ANGLE		PY	PO	MO	SP	W				OTHER
11sm08					57.3	60	alt min		rusty fractures to 59, chl seric weak brecciated texture with chl sedimentary fg fragments, rounded	1								
11sm08					60	61.68			granite, minor py, weak altered seric-qtz									
11sm08	61.68	77.8	MOBXX	brecciated segment, grantite with wk breccia texture, masses of vfg mo specks in qtz, remnant fspar megacrysts in places	61.68	63	mo		brecciated segment MOBXX grantite with wk breccia texture, masses of vfg mo specks in qtz, remnant fspar megacrysts in places	1		1						
11sm08					63	67.4	mo		stronger breccia with up to 10% mo qtz matrix, 1 to 5cm frags	1		3						
11sm08					67.4	77.8	mo		weak breccia granite with traces mo minor, rusty fracts, chl on fracts, patchy elevated seric qtz, remnant fspar megacrysts	1	tr	tr						
11sm08	77.8	85.8	MoG	weak brecciated granite with patchy masses of vfg mo, on fracts and with qtz carb vnlets	77.8	81.1	min		minor moly	1	tr	tr						
11sm08					81.1	81.2	vn min	60	qtz carb coarse with moly banded margin			1						
					81.2	85.8	min alt		weak breccia weak seric altered pinkish carbonate altered fspar, slight greenish seric hue	2	tr	tr						
	85.8	86	MOBXX	short section with breccia with 10% moly qtz matrix, granite fragments, weak matrix supported, Kalt qtz margins to breccia			min					5						
11sm08	86	90.53	G	sericitic grading to chl seric altered, py po grains and pods minor mo specks			min			2	1	tr						
11sm09	0	5.18	C	casing through granite, rusty														
11sm09	5.18	32	G	rusty oxidized to depth, granite remnant texture highly variable with alterations and with minor sedimentary inclusions xenos, patchy masses	5.18	11.2			highly oxidized rusty pocky remnant	2		tr						
11sm09					11.2	18			highly variable textured from fg siliceous crackled to granitic remnant in seric altered segments	1	0.5							
11sm09					18	22			rusty high oxidized section, remnant py masses	2	1							
11sm09					22	31			highly variable possible coarse brecciated or sediment xenolithic with 30cm dark green fg segments, patchy masses of fg py and po, few qtz carb pods, slight greyish segments possible vvvfg mo	2	1	tr						
					31	32			strongly oxidized partly decomposed siliceous broken core	2	1							
11sm09	32	76.2	Gbrexx	Weak breccia texture with very mottled continued variable qtz seric with chl patches, py qtz pods 1-3cm size poddy, mottled textured pink and greenish Kspar seric slt	19.5	22.38	mo		section with significant moly silica matrix in patches	2	tr	1.5						
11sm09					31	41			in and out of dark grey matrix to seric altered granite, strong py po blebs and masses, qtz-chl-seric altered breccia									
11sm09					41	44.45	mo		moly breccia with strong py and po, fspar megacrysts	2.5	0.5	1						
11sm09					44.45	50			light grey granitic breccia,quartz pods with poddy py and po, remnant fspar megacrysts	3	2	0.1						
11sm09					50	50.5	vn	45	qtz py po band 5cm	2.0	1.0		tr					
11sm09					53	65			granitic breccia with fg sed fracgs to 25cm size, lots of py po, possible traces mo in weak matrix sections	2	1	tr	tr					
11sm09					57	57.85	mo		vfg moly breccia, patchy sections moly bearing vfg weak breccia matrix	1		0.2						
11sm09					57.85	76.2			strong seric to chalky white in places, fg hornfelsed sediment xenolith fragments with po on fracts and disseminate	2.0	1.0	tr						
11sm09	76.2	79.5	G	mostly fspar megacrystic dark grey siliceous hb phyric grading to more altered at depth, with slightly increased breccia texture						1.0	1.0							
11sm09					77	77.85	mo		small section with moly breccia, py, po and sp	1	0.5	0.5						

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11sm09	79.5	87.48	Gbrexx	3 to 5cm fragments subrounded grantic and lesser fg sed, fragment supported with few qtz carb pods, variable color mottling with alteration variations over short sections					py throughout section	1								
					79.5	81.5	alt		siliceous grading to sericite siliceous	1		tr						
					81.5	81.8	alt vn	75	chl py po, single qtz 3cm band									
					81.8	87.48	alt min		breccia, seric py po throughout, phyllic, rust fractures, slight grey tinted areas possibe vfg mo pockets	3	1	tr						
11sm10	0	3.5	C	casing through granite, possible moly bearing														
11sm10	3.5	54.55	MOBRXX	brecciated granitic intrusive breccia with 10% fg hornfelsed sediment rounded fragments to 10cm size, mostly fragment supported with little grey matrix supported segments, weak grey vfg mo patches	3.5	11.8	min		minor mo breccia with vfg light grey matrix, very patchy mottled, sericite to chlorite rusty fractures, strong py pods to 7.17, stronger moly brxx 6.7	1		2						
11sm10					11.8	12.2	mo		moly in vuggy rusty quartz			1%						
11sm10					12.2	14			oxidized rusty broken up granite									
11sm10					14	14.43	vn		some quartz veins with massive py	30								
11sm10					14.43	15.5	mo		moly breccia			1						
11sm10					15.5	16.9												
11sm10					16.9	17.3	mo		moly breccia			1						
11sm10					17.3	19.4			oxidized rusty broken up granite with py	2								
11sm10					19.4	19.7	mo		moly breccia									
11sm10					19.7	26.5			granite with vfg specs of moly									
11sm10					26.5	27.98	mo		moly breccia with remnant fspar megacrysts			1.5						
11sm10					28	31	alt min		patchy sericite altered very strong py with lesser po masses and disseminate, very oxidized rusty patches	4	1	0.2						
11sm10					31.11	32.12	mo		grey moly breccia,quartz flooding, py in fractures	1		1.5						
11sm10					32.12	35.92												
11sm10					35.92	39.93	mo		vfg moly in 50% of breccia			2						
11sm10					39.93	41.49	min		less brecciated minor vfg masses mo in 1 to 2cm sections, pockets of qtz py po irregular pods very granitic segments with less alteration to depth, fspar megacrystic with hornfelsed sed frags to 5cm rounded									
11sm10					41.49	41.55	mo vn		mo on fracture parallel to qtz poddy vn			1						
11sm10					41.55	44.81	mo		moly breccia			0.5						
11sm10					44.81	47.85	min		less brecciated minor vfg masses mo in 1 to 2cm sections, pockets of qtz py po irregular pods very granitic segments with less alteration to depth, fspar megacrystic with hornfelsed sed frags to 5cm rounded									
11sm10					47.85	54.55	mo		weak moly breccia with very strong py and po throughout section	3	3	0.5						
11sm10	54.55	117.04	G	grantite with variable alteations, few 10cm size xenoliths sediment, seric k alt weak to moderate to chalky white sericitic, sugary felsic resorbed masses to 10cm	54.55	70.48				1	tr							
11sm10					70.48	70.65	vn		moly in small quartz vein			1						
11sm10					70.65	73.3												
11sm10					73.3	73.6	mo		small section with moly breccia			1						
11sm10					73.6	76.6												
11sm10					76.6	76.8	mo		small section with moly breccia			1						
11sm10					76.8	84	alt		patchy grey siliceous massive texture	1								
11sm10					84	84.2	mo		small section with moly breccia			1						
11sm10					84.2	103.85			less sediment xeno's with depth, more massive granitic									
11sm10					103.85	104.05	mo		little strong section of moly breccia			3						

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HOLE ID					from	to	TYPE	ANGLE		PY	PO	MO	SP	W				OTHER
11sm10					104.05	117.04			less sediment xeno's with depth, more massive granitic									
11sm11	0	4.14	C	casing through granite, rusty, possible moly bearing														
11sm11	4.14	29.9	MoG	granitic remnant texture sedimentary xenoliths of 20-30cm size, minor moly matrix brecciated segments grading to mostly granite breccia, strong oxidation rustiness pockey py oxidized, slight grey patches with super fine mo flecks to low percentage	4.14	8.5			strong rusty iron oxide decomposed core with py po blebs and masses	3	2							
11sm11					8.5	10.9	mo		weak confined moly breccia			1						
11sm11					10.9	13.53			sections of high oxidized weather core									
11sm11					13.53	14.63	mo		moly breccia			1						
11sm11					14.63	20.34												
11sm11					20.34	20.42	vn		few sp reddish masses and more metallic, with py	1			tr					
11sm11					20.42	27.5	alt		increased bleached look with strong sericite and possibe kalt, white siliceous	1								
11sm11					27.5	27.6	vn		moly in vein			2						
11sm11					27.6	29.9	alt		increased bleached look with strong sericite and possibe kalt, white siliceous									
11sm11	29.9	113	Gbrexx	mostly granitic fragmental with few moly matrix sections and sections of massive granite, appears to be paralleling the granite sedimentary contact with up to 70% of core hornfelsed fg sediment with short granitic felsic infills, weak periodic moly splashes, generally strong po and py with hornfelsing and as pods and masses	32.8	32.9	pod		10cm po py with qtz	1.5	1.5	1						
11sm11					35.6	35.7	vn	65	3cm qtz po pod									
11sm11					37	40	min		strong po in hornfelsed section, minor moly infills where brecciated	2	5	tr						
11sm11					40	60	alt		chl py po altered brecciated sediment, granitic infills	3	4	tr						
11sm11					60	71	alt		increasing sericite, decreased sedimentary xenoliths, few qtz pods with coarse py	1	1	tr						
11sm11					72	77	alt		strongly sericitic bleached to white in places, Kalt?	1		tr						
11sm11					78	79	alt		section with sedimentary fragments, chloritic breaks	1								
11sm11					79	81	min		section of siliceous core crackled with fine pyritic chl infills	2	tr							
11sm11					82	84.5	alt min		strong sericite with minor sediment fragments with chl on fractures, py po masses (few)	2	1	tr						
11sm11					84.5	107	alt		increasing granitic textured with several large sediment fragments, chl on fractures, silicified variable with seric py patches, traces grey interstitial splashes vfg mo silica	1		tr						
11sm11					107	111	alt		siliceous core, with 30% fg hornfelsed sediment	1								
11sm11					111	113			grading to more granitic textured, strong oxidation through this area might be along wall of breccia boddy									
11sm11	113	124.05	G	mostly massive granitic with few sections of weak breccia fabric, single 40cm fg sed xenolith 123.4-123.8, broken veined	114	123	alt		weak sericite, traces py, few reddish sp blotches	tr	tr		tr					
					123	124	alt		slight increase in sericite with py and po	2	1							
11sm12	0	3.88	C	casing through granite, rusty oxidized weathered														
11sm12	3.88	8	G	granitic remnant texture with little to no brecciation,strong oxidation rustiness, some py						0.5								
11sm12	8	10.97	MOBRXX	dark greyish blue matrix with moly breccia								1						
11sm12	10.97	16.5	G	granitic remnant texture with little to no brecciation,strong oxidation rustiness, some py and moly						0.5		0.5						
11sm12	16.5	66.33	MOBRXX	light grey/blueish granitic matrix with vfg moly in 50% of core with some py and po, remnant fspar megacrysts						1	0.5	1						
11sm12	66.33	100.2	G	medium to light grey matrix with remnant fspar cyrsts, little to no mineralization	91.4	92.32	mo		strong moly in section			1.5						

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11sm12	100.2	129.9	MOBRXX	light grey/blueish granitic matrix with vfg moly in 50% of core with some py and po, remnant fspar megacrysts	101.75	102.2	mo		very strong moly breccia 5 to 10% vfg moly			6						
11sm12					106.8	107.2	mo		moly breccia			1						
11sm12					111.56	112.62	mo		moly breccia			1.5						
11sm12					116.48	116.84	mo		strong moly breccia			3						
11sm12					125.2	126.8	mo		concentrated moly in fractures throughout section			3						
11sm12	129.9	138.99	G	pale green granitic matrix with remnant fspar megacrysts, quartz flooding in places, little to no mineralization	132.76	132.97	vn		5cm quartz vein with massive py	10								
11sm13	0	2.4	C	casing through broken bedrock, granite, possibly partly bedrock														
11sm13	2.4	20.72	G	granite, grey, somewhat variable from finer grained aplitic to fspar megacrystic, brown stained rusty with oxidized fractures, pocky surfaces, grades to more mafic rich fine spotted hb granite, progressivley altered toward contact, grey translucent qtz veinlets sub parallel core axis and cross cutting coarser white qtz pods	4.2	4.3	vnlt	70	minor thin quartz veinlets, py fg diss	tr								
11sm13					14.2	14.3	mo vn	60	5cm band of py and vfg mo	1.0		3.0						
11sm13					15.4	15.5	vnlt	50	fine mo along 1cm band, in altered band of granite									
11sm13					15.5	20	alt		patchy alterations as margins to fractures and thin veinlets, silica and moderate sericite (qtz-seric-py phyllic)	1.0								
11sm13					20	20.72	alt		strong sericite apparent envelope to breccia with mo, phyllic, py blobs and fract infills, qtz poddy with pervasive weak flooding	2.0		tr						
11sm13	20.72	26.7	MOBRXX	mostly matrix supported with vfg moly in quartz grey colored, fragments grfanite with lesser fg grey hornfelsed sediment, strongest moly in matrix over top half of section, subrounded 1 to 5cm fragments, in places tight spaced fragment supported						1.0	tr	2.0						
11sm13	26.7	45.55	GBRXX	intrusive breccia with mostly granite segments with weak crackle to fragment supported breccia texture, few sediment fragments of 5 to 10cm size (xenos), some segments up to 50cm straight granite mafic spotted 2 to 3mm hb-biotite, very weak grey colored matrix in places with vfg patchy moly and coarse py, few blebs po to .5cm infills, gradational change to next unit with less crackled or brecciated look, but still much the same patchy alterations	27.5	27.8	alt		strong creamy colored blotchy sercitic	2.0	1.0							
11sm13					27.8	27.9	vn		poddy coarse qtz carb intergrowth graphic									
11sm13					27.9	28	mo brxx		moly breccia supported section, 5cm	1.0		0.5						
11sm13					31.7	32	mo brxx		moly qtz supported breccia section, rounded fragments	1.0		0.5						
11sm13					32.2	32.4	vn		coarse qc graphic intergrowth 5cm									
11sm13					32.5	35	alt		strong green colored sericite with weak qtz flooding,	1.0	tr							
11sm13					35	39.6			mostly granitic looking with py and few fragment or crackle	1.0	tr							
11sm13					39.6	41	alt		strong sericite phyllic looking alteration, mottled									
11sm13					41	43			broken core, pocky, weathered, hard siliceous looking									
11sm13					43	44	min		minor pod po	1.0	1.0							
11sm13					44.9	45	min		coarse py and po with intergrowth q carb, over 5cm to 20% of core is po py	5.0	5.0							
11sm13	45.55	70.82	G	massive granitic with 15% mafic altered, 2 to 3mm subhedral, fspar megac in places, variably altered with seric-qtz py patchy in places over 10 to 30cm lengths, py disseminate and blebs and fracture coatings, few po poddy masses, qc graphic intergrowths over 5 to 10cm common, partly qtz flooded over some 10cm segments, possible traces of vfg mo within subtle grey patches with seric qtz	46	46.1	min		minor po pod	1.0	1.0							
11sm13					46.7	47	alt		qtz flooded to 50% of core, py masses to 5%	5.0	tr							
11sm13					48	50	alt min		qtz flooding with carbonate, minor graphic, blebs py	2.0	tr							

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HOLE ID					from	to	TYPE	ANGLE		PY	PO	MO	SP	W			OTHER
11sm13					56.8	56.9	min		qc graphic with masses po py	2.0	2.0						
11sm13					56.9	57	alt		strong seric pervasive throughout, grey green core								
11sm13					57	64	alt		pervasive chl with seric to greenish colors, weak pinkish hue to spars, megamegacrysts fspar more abundant, minor qtz flooding/poddy veining, patchy py-po networked disseminate	1.0	1.0	tr					
11sm13					64	64.5	alt		section of hard pinkinsh hue core, more potassic								
11sm13					64.5	67.49	alt	35	patchy sericite with few thin qtz veins at 30 40 tca								
11sm13					67.49	70.82	alt min		stronger sericite with py and blebs po, few patchy areas grey color possible vfg mo	1.0	1.0	tr					
11sm13	70.82	72.2	MOBRXX	short segment intrusive breccia with moly matrix, dull grey with lower percentage mo than in other mobrxx, rounded 2 to 4 cm fragments granitic	70.82	71.6	min		moly as vfg grain disseminate in qtz matrix of breccia, hard to define percentage	tr		0.5					
11sm13	72.2	142.34	G	fspar megacrystic remnants and altered mafics, mostly granitic textured with patchy alterations mostly within top of section (to 102m), very spotty mo along fractures and very few individual grains, traces	73.4	73.5	pod	70	qtz py po over 10cm,								
11sm13					75.3	78	min alt		strong sericite to very green core, patchy, with small sections of moly in fractures at 70, po patchy common	1.0	1.0	tr					
11sm13					79.2	80	alt		strong sericite as creamy brown color, possible kalt								
11sm13					81.3	90	alt		patchy sericitic phyllic with lesser pinkish hard dense siliceous Kalt, remnant megacryts Fspar, network py strong in places with lesser po as individual blebs	2.0	1.0	tr					
11sm13					93.37	95.7	mo brxx		short section of weak brecciation with moly matrix, vfg mo specks, from 94 to 94 moly is along fracture/vein as margins to quartz								
11sm13					98	98.1	vn	45	poddy qtz vuggy with carb, 5cm								
11sm13					98.5	110.2	alt		progressively more granitic textured with few patches siliceous possible K alt, chl altered mafics								
11sm13					110.2	110.3	vn	45	poddy quartz-po vein , massive po margin to qtz		5.0						
11sm13					110.5	125	alt		mostly granitic texture with minor patchy alterations, traces py on fractures with lesser disseminate or pods	1.0	tr						
11sm13					125	136.2	alt		little to no alteration, very granitic textured with minor chlorite of mafics and on fractures								
11sm13					136.2	137.8	min		strong patchy reddish sp with quartz pods and masses, py, and lesser po	1.0	tr		3.0				
11sm14	0	1.52	C	casing, some granite recovered, fractured bedrock														
11sm14	1.52	63	G	mostly mafic spotted with variable content fspar megamegacrysts to 10% 1 to 2xm size euhedral remnant grains, variably altered moslty weak sericite with quartz (patchy K alt), moly lower in section mostly as fracture coatings and few qtz veins rimmed by moly, patchy py and lesser po, subtle sections finer grained may represent multi-intrusive complex but no contacts visible	1.52	11.5	alt		rusty pervasive altered patches, weathered, fine grained appearance in places, very pink fspar 7-8 strong granitic appearance with mega kspars	1.0	tr						
11sm14					11.5	25	alt		very patchy minor altered segments to 30cm as pervasive sericite, weak possible reddish Sp traces,								
11sm14					25	27	alt		weak pervasive silicification to white-tan fg core								
11sm14					28	28.1	min	60	several fine moly-qtz stringers of 2mm eaxch								
11sm14					29.5	32	vn min	45	several 5 to 10mm vienlets grey qtz, some with vfg moly rims	1.0	tr	tr					
11sm14					33.2	33.3	vn	45	single veinlet qtz with mo rim			tr					
11sm14					37.8	38.5	alt		increased rustiness on fractures, more broken core, going towards zone of mo on fracts								
11sm14					38.5	44.5	min		zone of higher fractured core with mo on fracture surfaces, approx 2 or 3 moly coated fractures per 30cm, mod to strong K alt pervasive as pinkish hue, pocky core	1.0		0.5					

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HOLE ID					from	to	TYPE	ANGLE		PY	PO	MO	SP	W			OTHER	
11sm14					44.5	52	alt		weak patchy seric qtz alt, py vienlets, patchy reddish sp pockets, traces of moly on fractures and possibly vfg patchy disseminate, greenish core in some sections	1.0		tr					
11sm14					52	52.2	min		several hairline fracture infilled with mo, vfg thin grey lines			0.1					
11sm14					53	61	min		very minor fracture infill mo, some with q veinlets, 2 to 3mm veins with hairline infill vfg mo	0.5		tr					
11sm14					61	63			increasing pervasive sericite silica alt (Kalt) with traces of py mostly on fractures	0.5		tr					
11sm14	63	108.9	MoGBX	moly bearing granitic, high sericite-py with lesser silica alteration (phyllic) with subtle remnant possible breccia textures, mottled variable colored cream brown to greenish hues, some small fragments of sediment, possibly a weak breccia that has high alteration obliterating textures, mineralization pervasive throughout as vfg disseminated mo and py, remnant feldspar megamegacrysts, gradational to next with less moly specks, otherwise very similar look	63	68.7	min		strong altered phyllic with disseminated mo throughout to 1% in short sections, py as fine grain disseminated and as coarser grained small pods	2.0	tr	0.5					
11sm14					68.7	68.9	min		py po masses networked over several 5cm lengths of core	3.0	1.0						
11sm14					68.9	70.9	min		continued vfg moly disseminated from trace up to 1% locally,	2.0		0.5					
11sm14					70.9	71	vn	70	poddy pocky white quartz with no apparent sulphide								
11sm14					71	72	min		stronger moly as weak breccia matrix and on fracture surfaces, as well as vfg disseminate	2.0	tr	1.0					
11sm14					72	75	min		decreasing vfg mo disseminate to traces in local areas	2.0		tr					
11sm14					75	85			weaker breccia texture in continued sericite altered remnant granitic texture, minor traces mo	1.0		tr					
11sm14					85	87	min		increased disseminate mo, short segment breccia with moly matrix up to 15%	1.0		0.5					
11sm14					87	93.6	min		spotty mo vfg individual grains, continued altered weak breccia textured rounded fg granitic fragments, minor qc graphitic intergrowths, continued py masses and diss, minor reddish translucent sp grains	2.0	tr	tr	tr				
11sm14					93.6	93.7	min		short section of weak brecciation with moly matrix, vfg mo specks, 5cm	1.0		1.0					
11sm14					100	100.3	min		short 5cm section moly matrix brecca, weak	2.0		1.0					
11sm14					102.3	102.7	min		weak light grey vfg moly-quartz matrix breccia	1.0		1.0					
11sm14					105.6	105.8	vn	70	quartz vn or pod, white with clots up to 1cm size of py and po	3.0	3.0						
11sm14					105.8	108.9	min		continued vfg moly disseminated from trace up to 0.5% locally,	2.0		tr					
11sm14	108.9	111.9	G	altered mafics to green spotted in grey altered matrix, chloritic, granitic textured massive equigranular, seems to be sharp contact to breccia at approx 50tca	111.3	111.4	min	60	fracture coated with moly, thin single event			tr					
11sm14	111.9	117.96	brxx	weak breccia textured with strong alteration to pinkish hue (Kalt), chl common on fractures and clots, mottled crackled texture with remnant rounded masses altered fragments	112.2	112.3	min	70	quartz pod with masses inflling py and chl over 5cm	3.0	tr						
11sm14					113.26	113.8	min		disseminated moly slight increase, in pink Kspar potassic altered granitic breccia	1.0		0.5					
11sm14					114.8	115	min		fracture infiling moly, crackle breccia texture, strong mo			2.0					
11sm14					116.4	116.5	vn	60	poddy crackled white quartz, little or no sulphide								
11sm14					116.5	117.96	alt		increasing pinkish colored siliceous hard core, silica-kspar potassic								
11sm15	0	2.88	C	broken rock, possible boulder of dark grey fspar porph diorite														

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HOLE ID	FROM	TO	LITH CODE	DESCRIPTION	subdepth from	to	TYPE	ANGLE	ALTN / MIN	PY	PO	MO	SP	W			OTHER	
11sm15	2.88	15.1	G	typical mafic spotted hb bio granitic mostly equigranular equitextured with few sections up to 5% mega fspar to 1cm size euhedral grains, weak pervasive sericite, rusty fractures weather up to 5.2m, few rounded felsic masses possible partly resorbed fragments	11.28	11.29	mo		very minor fracture related moly with py, little to no other sulphides in section	tr		tr						
					14.9	15.1	vn	60	quartz, white to clear grey , crackled with rusty and fine py	1.0								
11sm15	15.1	16.2	lamp	dyke, contact weathered rusty upper, chilled margin lower			cntct	60										
11sm15	16.2	97.9	G	granitic with patchy alterations, mostly weak pervasive sericite as greenish colors, py throughout as disseminate and few patchy masses, low percentage, few small spots and masses of reddish purple sphalerite	17.8	17.9	vn	70	py po massess aligned with quartz pod or vein over 5cm	10.0	10.0							
11sm15					21.3	21.4	vn	70	broken qtz with grey streaks crackle infills, possible mo, 5cm			tr						
11sm15					22.2	23.2	vns	60	fine banded quartz with mo as vfg thin margins, 5 occurances over 1m, few, low percentage	1.0		tr						
11sm15					24.2	24.5	alt		weak pervasive seric, slightly stronger mottled texture pink and green colors									
11sm15					27.34	27.35	min		few splotches purplish translucent sp				tr					
11sm15					30	32	alt		very pink fspars with green altered groundmass in potassic altered looking section, little to no associated mineralization noted									
11sm15					32	48			very granitic tectured with very minor .5cm size grey quartz veinlets, about 1 per m									
11sm15					48.5	48.6	vn	60	band of massive py po with quartz bad of about 4cm width within wider section of dark grey massive looking altered, silicified granite	5.0	5.0							
11sm15					50.9	51.5	alt		pervasive grey color obliterated granitic texture silicified									
11sm15					51.5	51.6	vn	50	vein or pod with qtz py and po, and mo along one margin	2.0	tr	tr						
11sm15					55	64	alt		slightly more mottled with sections of potential Kalt, silicified to massive fg felsic looking, splotches chl, minor .5 cm veinlets qtz py, oxidation on fractures 60 to 62, chl on fractures common, possble traces mo			tr						
11sm15					65.44	66.74	alt min		strong massive pinkinsh color silicified to sugary felsic looking, crackled with infilling fine stringers qtz moly cross cutting			0.5						
11sm15					75.3	79	alt mn		increasing alteration phyllic, with fine fractures partly moly coated, few	1.0		tr						
11sm15					79.5	81.5	alt min		strong phyllic altered with fracture infills moly and few qtz pods coarse graphic intergrowths with carbonate	1.0		0.2						
11sm15					81.5	81.7	vn	80	coarse q carb pod graphic with fine margin mo, few sphal masses near upper margin of pod			tr	tr					
11sm15					81.7	89.1			sericitic with variable pinkish hue, possible sericite kspar alt, greenish hue sericite, overprinting alterations, minor mo as fine fracture infills, few coarse poddy po	1.0	0.5	tr						
11sm15					89.1	89.2	vn	60	very poddy qtz with coarse py po sp	3.0	2.0	2.0						
11sm15					92.5	93.4	vns	70	very poddy qtz with coarse py po sp, 2 separate masses of qtz, one over 30cm with mostly qtz, second about 10cm with strong py po sp	2.0	2.0	2.0						
11sm15	97.9	107	MOBXX	section of weak breccia with mo qtz matrix, patches of elevated mo content to 3% over short secitons (5cm), grey network in crackled granite, strong seric-qtz py with possible Kalt overprint	97.9	98.8	min		weaker moly as disseminate and networks in crackled granite, green strong silica alteration	1.0		0.5						
11sm15					98.8	100.1	min		stronger breccia with network of matrix silica mo, still mostly fragment supported	1.0		1.0						
11sm15					100.1	101.3	min alt		continued strong seric py with disseminate vfg mo	1.0		0.3						
11sm15					101.3	101.5	vn	60	coarse qtz c intergrowth with masses of coarse py	1.0								

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HOLE ID					from	to	TYPE	ANGLE		PY	PO	MO	SP	W				OTHER
11sm15					101.5	103.4	min		continued strong seric py with disseminate vfg mo	1.0		0.2						
11sm15					103.4	103.5	vn	40	coarse qtz c intergrowth with masses of coarse py	1.0								
11sm15					103.5	104.4	min		stronger breccia with network of matrix silica mo, still mostly fragment supported	1.0		1.0						
11sm15					104.8	105.3	min		short segment with minor breccia with mo matrix	1.0		0.5						
11sm15					106.9	107	min		very small section over 5cm grey matrix breccia	1.0		0.5						
11sm15	107	111.86	G	sttrongly altered with remnant fspar megac to 1 cm euhedral square grains, few qtz veinlets crosscutting 1cm partly resorbed in alteration, continued seric-py phyllic alteration with minor patches moly content vfg disseminate	107	110.8	min alt		strong green sericite alt with patchy mo content as vfg grey areas in pockets	1.0		0.1						
11sm15					110.8	111	vn	60	xc qtz 1cm veinlets, 4 or 5 partly resorbed									
11sm15					111.45	111.55	vn	60	coarse graphic q c with 1 mass of py	1.0								
11sm16	0	1.23	C	casing though broken granite														
11sm16	1.23	15.85	G	typical fspar megacrystic granite with up to 10% 3mm mafics hb bio, feldspar euhedral 1-2cm grains to 30%, weak vein infill qtz-mo in few places, rusty oxidized over top 5m	0	4	ox		patches rusty oxidation pervasive weathering	1.0								
11sm16					4	15.85	min vn	70	disseminated py throughout, few 1mm fracture infill qtz moly py									
11sm16	15.85	17.17	lamp	dyke, contact weathered rusty upper, weathered upper contact, broken bottom, approx 80			cntct	80										
11sm16	17.17	102.72	G	continued granite with very slight variation with alterations and grain size mixing, mostly mafic spotted with light grey matrix and variable magacryst content of 1 to 5%, py mostly throughout as individual grains disseminate, very minor splotches of possible sp as purplish translucent grains	20.8	20.9	vn	70	qtz with very fine rims mo, very minor mo in fractures adjacent	1.0		tr						
11sm16					22	24.7	min alt		weak pervasive green sericitic with few mo on fractures, very minor	1.0		tr						
11sm16					24.7	25	alt		grey massive texture eradicated granitic texture, silicified-kalt									
11sm16					25	46			mostly barren looking granite with chloritic mafics, few areas of megacrystic pinkish fspars, very very minor fracture infilling mo-qtz of 1 to 2mm size	1.0		tr						
11sm16					46	46.1	vn	70	5cm white qtz with very few small flecks mo,									
11sm16					48.8	49	vn	70	15cm qtz white very fine py possible mo as crackle infills	tr		tr						
11sm16					53.8	60			section of megacrystic pink fspar to 20%, granitic textured									
11sm16									few splotches purplish translucent sp				tr					
11sm16					63	63.1	alt		short section of decomposed clayey core, powdery									
11sm16					69.1	69.6	vn	70	few small 2 to 5cm qtz									
11sm16					70.8	71.2	alt		qtz kspar flooded kalt									
11sm16					81	81.1	min		small area blotchy purplish and metallic sp	1.0			tr					
11sm16					83	86			megacrystic fspar section, pinkish									
11sm16					91	102	min vn	70	few 1mm fracture filling qtz with vfg mo in places, very minor, patchy weak sericite with silica in places, py on some fractures, minor disseminate	tr		tr						
11sm17	0	0.55	C	casing through broken bedrock, granite														
11sm17	0.55	19.8	G	typical granite, same as area granitic rock with 10% chl altered mafic (Hb, biotitite), shady areas of pervasive alteration over some 10 to 20cm sections, silicification to fine grained sugary textures that could be originally felsic component of intrsusives that are partly resorbed, few qveins, little to no moly, py common	0.55	19.8	min vn	65	very few 1mm fracture filling grey qtz with possible vfg mo, about 2 per metre, minor splotches of reddish translucent Sp, weak silicification over 20cm towards contact	0.5		tr	tr					
11sm17	19.8	21.1	lamp	typical dark grey with white spotting massive textured with 5% coarse biotite			cntct	65	contacts to dyke									
11sm17	21.1	132.1	G	same granite, some megamegacrysts, weak patchy alterations, minor sp blotches, minor late fracture infilling veinlets	22	22.5	alt		weak sericite altered, rusty fractures									
11sm17					23.1	23.2	vn	75	qtz, warpy margins poddy, white									

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HOLE ID					from	to	TYPE	ANGLE		PY	PO	MO	SP	W			OTHER	
11sm17					28.1	28.2	min		area of purple Sp with some sulphide that could be Sp as well				tr					
11sm17					29.5	30.3			section of fine sugary felsite, rounded contacts possible xenolith or partly resorbed dyke									
11sm17					31	32	alt		weak pervasive grey to greenish alteration sericite with possible weak silicification	tr								
11sm17					32	43.7	min		very very few fractures with qtz py and vfg few speck mo, 0.5cm size	0.5	tr	tr						
11sm17					43.7	44	alt		silic seric to grey glassy pervasive alt									
11sm17					44	46.5	vn	65	single grey quartz with moly specks, 0.5cm									
11sm17					46.5	47.4	alt		silic seric to grey glassy pervasive alt									
11sm17					49.7	49.8	vn	65	white qtz vein/pod with py and po blebs, also mo along margins	1.0	1.0	0.2						
11sm17					52.1	53.1	alt min		weak phyllic seric py altered with fractures, partly infilled with mo as fracture coatings, minor qtz pods at 52.9 crackled with mo partly infilling fracts	1.0		0.2						
11sm17					53.5	60	alt		core slightly more broken with chl on fractures, slickensides evident									
11sm17					72.2	72.25	min		moly on single fracture, 1mm	1.0		tr						
11sm17					73	75	alt		weak pervasive green color sericite	1.0								
11sm17					80	81	min		purplish blotches (SP?) more prominent, to 5% locally	1.0			0.5					
11sm17					81.85	81.9	vn		weak quartz vein with grey patches possible vfg moly			tr						
11sm17					82.2	83	min alt		stronger altered silicification with green fg sericite, few fracture filling moly coatings	1.0		tr						
11sm17					84.42	84.44	min		fracture filling moly, single coating			tr						
11sm17					90	95	min		few fracture filling mo, very thin vfg coatings	1.0		tr	tr					
11sm17					95	98	alt		slightly stronger greening of core, sericite-silica py	2.0								
11sm17					101.4	103	alt		slightlhy stronger silicification, pervasive, to more fine grained grey core									
11sm17					105	105.3	alt		silica with py blebs, some qtz veining	2.0								
11sm17					107	118.5	alt min		increased greening of core, mod to strong sericite, slight increase in moly bearing fractures with very slight vfg disseminate, few qtz veinlets to 2cm size with py blobs	1.0	tr	tr						
11sm17					118.5	119.15	min		moly breccia supported section, 5cm with minor fracture filling veinlets marginal, increased moly over 10cm segment	1.0		0.5						
11sm17					123	123.1	vn	40	1cm qtz py po	1.0	1.0							
11sm17					124	131			few veinlets qtz with vfg moly to low percetage, as slightly greyish qtz	1.0		tr						
11sm17					131.3	132.1	min alt	40	strong phyllic as green sericite and py, with network of fine fracture infilling moly xcutting	2.0		tr						
11sm17	132.1	169.58	MoG	gradational changes in and out of highly altered granite with slight breccia look and more typical granitic, mostly greenish sericite altered with variable py veinlets and disseminate, moly as fracture infills and lesser patches of vfg disseminate, vary hazy greying of quartz in places with vfg mo,	132.1	139	alt		continued strong phyllic alt with py clots and few very fine fracture infilling mo, few vfg specks diss mo as well	2.0	tr	0.3						
11sm17					139	143.7	alt min		very strong phyllic as mottled textured, almost remnant breccia texture, cream and green colors with strong py disseminate and clots, minor veining, mo disseminate and along fractures, especially 141.5-142	4.0	tr	0.5						
11sm17					148	153.25	alt min		strong py sericite phyllic with disseminated and fracture filling moly, one weak breccia infill area at 158.35-158.4, green and grey mottled with py disseminate and clots	3.0	tr	0.2						

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11sm17					154.7	154.85	min	40	several parallel bands 1cm grey mo-qtz over 10cm	1.0		3.0						
11sm17					154.9	161.2			continued alteration with few fract infill and disseminate mo	2.0	tr	0.2						
11sm17					161.2	162.2	min		4cm breccia with strong moly matrix			5.0						
11sm17					163.27	163.65	min	25	section of moly breccia sharp contacts irregular broken brecciated granitic			4.0						
11sm17					167.3	169	min		few short sections brecciated granite with moly matrix	1.0		1.0						
11sm17	169.58	190.4	MOBXX	intrusive breccia with strong moly in matrix with silica, mo as usual vfg specks disseminated through matrix giving grey color, 20 to 90% fragments all granitic, strong phyllic atltered remnant granitic segments	169.58	172	min		very strong vfg mo matrix section	1.0		10.0						
11sm17					172	175.5	min		breccia with less matrix support, to fragment supported, with lower moly content as consequence	1.0		2.0						
11sm17					175.5	176	min		strong brecciation with lighter grey moly matrix, stronger quartz component	1.0		3.0						
11sm17					176	177			granitic altered siliceous section, little to no mo	2.0		tr						
11sm17					177	187.8	min		strong breccia with weak to moderate moly matrix, in places fragment supported with little moly, lighter grey color indicates lower moly content where existing in matrix, minor white carbonate open infills	1.0		2.0						
11sm17					187.8	190.4	min		decreasing brecciation and moly matrix trending more to altered, possibly remnant brecciated without moly matrix, moly becoming more vfg patchy disseminate	2.0		1.0						
11sm17	190.4	196.9	MoG	strongly altered mottled textured granitic, possible brecciated with no matrix altered to rounded masses of green and grey colors, moly as few vfg specks and more regular masses within qtz pockets, alteration strong qtz with sericite fspar and slight chalky feel, strong py as masses and coarse grains speckled throughout	190.4	196.9	min alt		strong sericite with pyrite, slight chalky clayey feel, high percentage quartz as rounded relics, mo mostly as vfg masses in quartz remnants with lesser vfg individual grains, py to 5% as coarse grains and masses throughout	5.0	tr	0.5						
11sm18	0	0.7	C	casing through bedrock granite, rusty oxidized														
11sm18	0.7	24.61	G	granite, mafic spotted with variable fspar megamegacrysts 1 to 2cm size, blotchy grey masses with coarse py up to 1%, weak pervasive silicification, minor rusty fractures near upper section					few slightly reddish blotches, iron carbonate, possible sp	0.5			tr					
11sm18					17	18	geol		felsic section apparent xenolith, sharp contacts partly resorbed and highly variable, grey fg equigranular granitic									
11sm18					24.3	24.5	vn	60	5mm qtz veinlets with possible mo along margin of felsic dyke or xeno, very minor	1.0		tr						
11sm18	24.61	25.9	lamp	grey massive white spotted with 5% coarse biotite individual grains throughout														
11sm18	25.9	32.6	MoG	highly altered crackled granite, crackle infills py and mo, light colored somewhat chalky feeling in places, strong seric with possible silicification in places, strong py	25.9	29.5	alt min		weakly crackled, granite remnant textured near top of section grading to more crackled with depth, grey py mo crackle infills	3.0		0.2						
11sm18					29.5	32.6	alt min		stronger crackle with py mo infills, networked veining 1 to 2mm size up to 5mm, varying angles, mo as vfg along margins of py veining, few individual vfg mo disseminate, chalky green in areas (seric-chl)	5.0		0.5						
11sm18	32.6	88.92	G	granite, variably weakly altered to grey hard silicified and in places to creamy grey sericitic, variable py, very few mo fracture infills	36	36.1	min		single mo fracture infilling 2mm, in zone of hard breaking slightly siliceous core	0.5		tr						
11sm18					36.1	42.3	min alt		increasing sericite to mottled green and grey colored, pervasive, strong py throughout roughly networked coarse grains and spatterings of fine grains, few individual mo grains and small minor agglomerates	5.0		tr						
11sm18					42.3	42.4	min	45	fractures coated with mo	1.0		1.0						
11sm18					42.4	50.3	min alt		continued strong py, silicified hard core	2.0		tr						
11sm18					50.3	54.7	min alt	60	increased sericite-py phyllic alt with 2mm qtz mo banding approx 1 per 40cm, silicified overprint? Hard core	2.0		tr						

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HOLE ID					from	to	TYPE	ANGLE		PY	PO	MO	SP	W			OTHER	
11sm18					54.7	57.6	min alt		totally texture eradicated alteration very hard, light grey to tan colored with greenish segments, possible sericite kspar silica K alteration, crackled with py-mo infills (few, weak), minor po blebs with po in veinlets	2.0		tr						
11sm18					57.6	57.8	min		section strongly crackled with py mo infills varying orientations 1 to 2 mm size	2.0		1.0						
11sm18					57.8	66	alt min		continued strong k'alt, light green altered fspar with granular qtz throughout, little to no mafic visible, pervasive masking granitic textures, minor moly speck vfg disseminate, also few fracture coatings	3.0	0.5	0.1						
11sm18					66	66.7			patchy altereations, mostly silicious with sericite and strong pyrite in places, traces moly specks	2.0		tr						
11sm18					66.7	66.8	min vn	65	qtz with fine fracture filling moly, 5cm	2.0		0.5						
11sm18					66.8	76	min alt		continued strong K atleration with few fine fracture infill py mo	2.0		tr						
11sm18					76	76.2	min	60	several thin fracture infilling mo py	3.0		0.5						
11sm18					77	77.4	min	45,60	several thin strong mo on fractures	2.0		0.3						
11sm18					77.4	87	alt		strong silicified with chl on fractures, strong py masses and disseminate throughout, light grey to dark grey where stronger py, slightly broken with py on fractures	3.0	tr	tr						
11sm18					87.4	87.5	vn min	65	qv with fracture infilling py mo	1.0		tr						
11sm18					87.5	88.92	alt min		increasing greening of core with greater seric phyllic look, also slight mottle possible brecciated texture, one qtz pod at 88.91	1.0		tr						
11sm18	88.92	93.4	MOBXX	rounded fragments in altered granitic, all granite fragments, weakly supported by qtz with low percentage moly as grey interstitial material, grades in and out through section from fragment supported to matrix supported, fine grained felsic looking granitic in places, qtz po py mass intergrowths	99.2	99.3	vn		pod of qtz py py in section of lower percent mo brxx, mostly fragment supported	2.0	2.0	0.2						
11sm18					89.5	89.6	vn	50	poddy qtz po py with carbonate, infilling coarse grained	3.0	4.0	0.2						
11sm18					90	90.9	min		increasing mo breccia with rounded 5 to 10 cm fragments almost touching	2.0	2.0	0.3						
11sm18					90.9	91.2	min		coarse intergrowth qtz po py	4.0	5.0	tr						
11sm18					91.2	92	min		main part of moly breccia with stronger matrix support with vfg mo specks to lower percentage than other mobxx	2.0	1.0	0.5						
11sm18					92	93.4	min		lessening matrix with mo qtz and more fragmented altered granitic	2.0	1.0	0.1						
11sm18	93.4	96.5	MoG	strongly altered with very subtle crackle breccia remnant texture, mottled, possible phyllic with overprint k alt, minor qtz py pods, few specks vfg mo periodic with few fracture coatings, strong py	93.4	94.8	min		grey patchy networks with py and minor mo somewhat matrix with fragment breccia looking, resorbed	2.0	tr	tr						
11sm18					94.8	95.1	vn	10	poddy qtz with minor carbonate along core, about 4cm wide									
11sm18					95.1	96.5	min		weak moly vfg patchy disseminate	2.0		tr						
11sm18	96.5	145.69	G	moderate to stronly altered patchy mottled with qtz pods, greenish core phyllic with grey patches py rich and chl rims as well as on fractures, very few specks and weak fracture infilling mo	96.5	99.2	min		very few vfg mo specks	1.0		tr						
11sm18					99.2	100.2	min vn	60	pods of qtz several 5cm size with coarse py po, crackled with py chl infills, in altered granitic with traces mo	1.0	1.0	tr						
11sm18					100.2	110.6	min alt		continued mod to strong silicification kalt with sericitic green, chl py on fractures, chloritic pockets with coarse py, crackled in places with py chl infills, minor qtz py po pods, traces mo	2.0	tr	tr						
11sm18					110.6	110.9	vn	60	coarse pod of intergowth qtz py carbonate	5.0		tr						

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	PROPERTY:		Stewart	moly breccia zone	HOLE LOCATION													
					EOH													
	FROM	TO	LITH CODE	DESCRIPTION	subdepth		STRUCTURE		ALTN / MIN	MINERALIZATION								
HOLE ID					from	to	TYPE	ANGLE		PY	PO	MO	SP	W			OTHER	
11sm18					111	111.8	min		slight increase in crackle infilling mo, in strongly altered py seric silica	3.0	tr	0.4						
11sm18					111.8	120	alt		patchy green grey alterations with py common, hard siliceous possible kalt, chl on fractures and rimming py areas, sericitic feldspar to light green, patchy vfg mo in places with py, minor segments	2.0		tr						
11sm18					120	122.5	alt		massive grey with remnant granitic texture, siliceous									
11sm18					122.5	127.7			granitiic texture preserved, less altered									
11sm18					127.7	128.1	vn min		qtz pod with po and py, strong intergrowths	2.0	4.0							
11sm18					128.1	130.5	min alt		patchy alteration with several 5cm qtz pods with po and py	1.0	2.0							
11sm18					130.5	133.2	min vn	vary	increasing qtz pods with py and po, one moly bearing section at 133.1 in weakly brecciated granite	2.0	3.0	tr						
11sm18					133.2	134.3	min		minor qtz pods, weak disseminated mo near 133.9	1.0	1.0	tr						
11sm18					134.3	134.6	vn		coarse intergrowth qtz carb (yellow siderite?)									
11sm18					134.6	136.9	alt		continued alteration as hard breaking siliceous core with greenish hue sericite to peachy colored possible K alt									
11sm18					136.9	145.69	vn min		strong qtz flooding as variably arranged qtz pods mostly with coarse intergrowth po and lesser py, minor vfg pockets of mo, some along margins of qtz pods, pods elongate along core and crossing core-highly variable	1.0	2.0	tr						
11sm18	145.69	203.61	MoG	continued altered granite with high percentage quartz pods, crackly broken in places with qtz-chl-mo infills, irregular texture with grey patchy masses chl with or without mo, slight upgrade in mo content to make the MoG cuttoff, yet not as strong as other mog's. patchy colorations creamy orange to grey to greenish sericitc siliceous potassic	147.2	148.1	min		light core to white altered, few vfg specks mo, 2 10cm qtz pods with coarse py po and carb	1.0	tr	tr						
11sm18					148.1	148.4	min		crackle infills mo alligned about 45 roughly	1.0		1.0						
11sm18					148.4	149.1	min		minor mo, weak po poddy infills	tr	0.5	tr						
11sm18					149.1	151.23	min vn	65	qtz pods and grey masses with vfg moly mostly 60 to 70 angles, light grey patches away from qtz with low grade vfg mo	1.0	0.5	0.2						
11sm18					151.23	159.38	min vn		patchy alterations and few coarse graphic qc with py and lesser po, grading to less veined and less mo toward end of section, weak grey masses with vfg mo to low percentage, mottled weak healed breccia textures	1.0	0.5	0.2						
11sm18					159.38	167.03	min alt		continued patchy alterations with few sections remnant granitic, minor area of weak brecciation with mo infills as vfg light grey masses, few 1cm size grey qtz at 45 to 60, few coarse qtz carb intergrowths, very mottled texture	2.0	tr	tr						
11sm18					167.03	167.4	min		weak breccia with very light grey vfg masses mo in qtz matrix	2.0	tr	0.5						
11sm18					167.4	173.35	min alt		increasing py spotting with chl rims, pervasive green sericite colors with very hard siliceous core, qtz pods irregular shaped with minor graphic intergrowth, strong po pods and diss with py, one dark grey poddy mo with qtz 0ver 4cm at 170.4	4.0	3.0	0.2						
11sm18					173.35	174.05	min		slightly stronger grey patches with vfg moly, continued strong seric silica kalt	2.0	1.0	0.4						
11sm18					174.05	182.8	min alt		progressively patchy alterations with remnant granitic textured sections in and out, irregular content moly as fracture infills and as patchy vfg within grey masses with qtz, remnant altered megamegacrysts fspar green sericitic	2.0	1.0	0.3						
11sm18					182.8	183.2	vn	20	coarse qtz carb graphic poddy, crackled qtz with vfg mo grey masses	1.0	tr	0.1						

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	FROM	TO	LITH CODE	DESCRIPTION	subdepth		STRUCTURE		ALTN / MIN	MINERALIZATION							
HOLE ID					from	to	TYPE	ANGLE		PY	PO	MO	SP	W			OTHER
11sm18					183.2	191.3	min alt		continued mottled textured seric greens and grey moly qtz pockets and infills, section more continuous with less granitic sections or qtz pods or veinlets, few massive po py blebs, grey patchy moly sections range from tr to 3% of core, vfg specks moly in grey patches to less than 1%, carbonate fizz infills throughout	1.0	tr	0.2					
11sm18					191.3	195.5	min		continued strong alteration with less mo, increasing py chl as dark areas within core resembles mo bearing sections but with little to no vfg mo specks	2.0	tr	tr					
11sm18					195.5	195.7	min		short breccia seciton with 20% grey silica mo infill	1.0		0.7					
11sm18					195.7	200.6	mim		continued seric qtz py alteration, minor mo specks	2.0		tr					
11sm18					200.6	203.61	min alt		increasing pinkish hue to core possible increase kspar, chl on fractures, py strong as fract coatings and patchy disseminate and pods, very minor grey patches with mo, crackled towards end of hole with dark greyish infills mostly py with chl	2.0	tr	tr					
11sm19	0	2.43	C	casing through granite, some recovery in HQ core size, some granite some fspar porph dyke material													
11sm19	2.43	26.98	G	typical granitic texture with feldspar in matrix and as megamegacrysts, mafic spotted hb to 10%, weak alterations as chl mafics and weak pervasive alteration of feldspars	2.43	14	alt min		very weakly altered granitic, minor fe on fractures, carbonate weak to moderate throughout, some purplish possible Sp masses to .2%, very little sulphide, py as few fine grains disseminate	tr			0.1				
11sm19					14	17.5	alt		core is very broken through this section, appears to be finer grained possible felsic dyke, fractures along core and at angles, brittle, little to no sulphides								
11sm19					17.5	26.98			very little alteration, possible weak silicification to more grey massive texture but mostly granite textured								
11sm19	26.98	28.2	lamp	typical lamprophyre biotite porph dyke, grey, 10% coarse grains biotite in granular matrix spotted with white anhedral grains			cntct	70	slightly weather broken contacts								
11sm19	28.2		G	more granite as above, weak alterations patches and minor fine grained sections as either resorbed dykes or xenoliths of finer grained felsic, pink megamegacrysts fspar in places, esp near 87.5, granitic texture strong in places where alteration is less	28.2	31.9	min	65	traces fine py, trace fracture filling vfg mo with qtz and py 1 to 2mm size, very few	tr	tr	tr					
11sm19					31.9	32	min vn	70	poddy coarse white qtz with masses of po and py, 10cm size	3.0	2.0						
11sm19					32	34	min		very few thin fracture infill veinlets qtz py mo	tr	tr	tr					
11sm19					34	35	min vn	55	series of 1 to 3mm grey qtz py mo veinlets, about 7 or 8 in segment	0.2		tr					
11sm19					35	41.7	min alt		weak alterations as before, mostly granitic with few masses of 1 to 2cm size clusters of reddish purple vitreous mineral possible Sp, as before	tr			tr				
11sm19					41.7	43.3	alt		short section with more massive textured altered to grey near massive looking seric-qtz possible K alt, slight increase in py with chl halos, several fracture filling slickensided mo coatings near bottom of section	1.0		0.1					
11sm19					47.8	49.8	alt		increased silica with chl on fractures, more massive textured with 5mm size clusters of Sp reddish metallic and as purplish translucent masses, very few vfg specks mo	tr		tr	0.2				
11sm19					53.9	54	vn	60	single qtz pod with minor po possible sp		tr		tr				
11sm19					55.5	57	alt		slight increases silica pervasive, crackly core with minor rusty coatings, single qtz pod with grey slickensided fracture infills mo-chl	tr		tr					
11sm19					58.1	58.2	vn	70	5cm qtz pod with slickensided mo and chl			tr					
11sm19					58.2	69.18			continued granitic with minor 1mm high angle fracture infills qtz, few masses of purple reddish Sp			tr	tr				
11sm19					69.18	69.19	vn	65	single 2cm qtz mo veinlet, vfg mo as margins to vein				tr				

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	FROM	TO	LITH CODE	DESCRIPTION	subdepth		STRUCTURE		ALTN / MIN	MINERALIZATION								
HOLE ID					from	to	TYPE	ANGLE		PY	PO	MO	SP	W				OTHER
11sm19					71	72.2	alt		pervasive silica sericite, fracture infilling carbonate to 1cm along core axis, py diss	0.5							
11sm19					72.2	77.5			continued granite with splotches of Sp reddish 1 to 2cm masses, very few moly fracture vfg with qtz, 1mm	0.2		tr	0.1				
11sm19					77.5	77.6	min	65	moly on fracture, single fracture coated			tr					
11sm19					81.4	83	alt		increasing sericitic green colr with minor grey 1mm fractures with low percent mo and qtz			tr					
11sm19					83	84.2	min		fine grained felsic xenolith crackle fractured with infilling mo qtz	2.0		0.1					
11sm19					85.5	85.6	min	70	single qtz pod with moly and py po, section with poddy masses mineral	1.0	1.0	0.2	tr				
11sm19					90.8	92.6	min alt		increased sericite qtz py with lesser po altered, few sections with vfg mo specks disseminate, minor	1.0	0.5	tr					

TAG #	Hole ID	From	To	width		Type
1389001	11sm01	2.73	4.88	2.15	1389001	Drill Core
1389002	11sm01	4.88	7.92	3.04	1389002	Drill Core
1389003	11sm01	7.92	10.97	3.05	1389003	Drill Core
1389004	11sm01	10.97	14.02	3.05	1389004	Drill Core
1389005	11sm01	14.02	16.50	2.48	1389005	Drill Core
1389006	11sm01	16.50	17.80	1.30	1389006	Drill Core
1389007	11sm01	17.80	19.00	1.20	1389007	Drill Core
1389008	11sm01	19.00	21.60	2.60	1389008	Drill Core
1389009	11sm01	21.60	23.16	1.56	1389009	Drill Core
1389010	11sm01	23.16	24.70	1.54	1389010	Drill Core
1389011	11sm01	24.70	26.21	1.51	1389011	Drill Core
1389012	11sm01	26.21	29.26	3.05	1389012	Drill Core
1389013	11sm01	blank			1389013	Rock
1389014	11sm01	std 11a			1389014	Rock Pulp
1389015	11sm01	29.26	31.65	2.39	1389015	Drill Core
1389016	11sm01	31.65	33.30	1.65	1389016	Drill Core
1389017	11sm01	33.30	35.36	2.06	1389017	Drill Core
1389018	11sm01	35.36	37.00	1.64	1389018	Drill Core
1389019	11sm01	37.00	38.40	1.40	1389019	Drill Core
1389020	11sm01	38.40	41.45	3.05	1389020	Drill Core
1389021	11sm01	41.45	44.50	3.05	1389021	Drill Core
1389022	11sm01	44.50	47.55	3.05	1389022	Drill Core
1389023	11sm01	47.55	49.70	2.15	1389023	Drill Core
1389024	11sm01	49.70	51.45	1.75	1389024	Drill Core
1389025	11sm01	51.45	53.64	2.19	1389025	Drill Core
1389026	11sm01	53.64	56.69	3.05	1389026	Drill Core
1389027	11sm01	56.69	59.74	3.05	1389027	Drill Core
1389028	11sm01	59.74	62.79	3.05	1389028	Drill Core
1389029	11sm01	62.79	65.84	3.05	1389029	Drill Core
1389030	11sm01	65.84	68.88	3.04	1389030	Drill Core
1389031	11sm01	68.88	71.93	3.05	1389031	Drill Core
1389032	11sm01	71.93	74.98	3.05	1389032	Drill Core
1389033	11sm01	74.98	76.50	1.52	1389033	Drill Core
1389034	11sm01	76.50	78.03	1.53	1389034	Drill Core
1389035	11sm01	blank			1389035	Rock
1389036	11sm01	std 12			1389036	Rock Pulp
1389037	11sm01	78.03	80.05	2.02		Drill Core
1389038	11sm01	80.05	81.30	1.25		Drill Core
1389039	11sm01	81.30	82.68	1.38		Drill Core
1389040	11sm01	82.68	84.12	1.44		Drill Core
1389041	11sm01	84.12	86.87	2.75		Drill Core
1389042	11sm01	86.87	88.70	1.83		Drill Core
1389043	11sm01	88.70	90.22	1.52		Drill Core
1389044	11sm01	90.22	93.27	3.05		Drill Core
1389045	11sm01	93.27	96.32	3.05		Drill Core
1389046	11sm01	96.32	98.00	1.68		Drill Core
1389047	11sm01	98.00	99.36	1.36		Drill Core
1389048	11sm01	99.36	101.00	1.64		Drill Core
1389049	11sm01	101.00	102.41	1.41		Drill Core
1389050	11sm01	102.41	103.94	1.53		Drill Core
1389051	11sm01	103.94	105.46	1.52		Drill Core
1389052	11sm01	105.46	107.00	1.54		Drill Core
1389053	11sm01	107.00	108.51	1.51		Drill Core
1389054	11sm01	108.51	111.20	2.69		Drill Core

TAG #	Hole ID	From	To	width		Type
1389055	11sm01	111.20	113.36	2.16		Drill Core
1389056	11sm01	Blank			1389056	Rock
1389057	11sm01	std 11a			1389057	Rock Pulp
1389058	11sm01	113.36	114.60	1.24		Drill Core
1389059	11sm01	114.60	117.74	3.14		Drill Core
1389060	11sm01	117.74	120.70	2.96		Drill Core
1389061	11sm01	120.70	123.75	3.05		Drill Core
1389062	11sm01	123.75	126.80	3.05		Drill Core
1389063	11sm01	126.80	129.84	3.04		Drill Core
1389064	11sm01	129.84	131.40	1.56		Drill Core
1389065	11sm01	131.40	132.89	1.49		Drill Core
1389066	11sm01	132.89	135.94	3.05		Drill Core
1389067	11sm01	135.94	137.00	1.06		Drill Core
1389068	11sm01	137.00	138.99	1.99		Drill Core
1389069	11sm01	138.99	142.04	3.05		Drill Core
1389070	11sm01	142.04	145.08	3.04		Drill Core
1389071	11sm01	145.08	148.13	3.05		Drill Core
1389072	11sm01	148.13	151.18	3.05		Drill Core
1389073	11sm01	151.18	154.23	3.05		Drill Core
1389074	11sm01	154.23	157.28	3.05		Drill Core
1389075	11sm01	157.28	160.32	3.04		Drill Core
1389076	11sm01	160.32	163.37	3.05		Drill Core
1389077	11sm01	163.37	166.42	3.05		Drill Core
1389078	11sm01	166.42	169.47	3.05		Drill Core
1389079	11sm01	169.47	172.52	3.05		Drill Core
1389080	11sm01	blank			1389080	Rock
1389081	11sm01	std 12			1389081	Rock Pulp
1389082	11sm01	172.52	175.56	3.04		Drill Core
1389083	11sm01	175.56	178.61	3.05		Drill Core
1389084	11sm01	178.61	181.66	3.05		Drill Core
1389085	11sm01	181.66	184.71	3.05		Drill Core
1389086	11sm01	184.71	187.76	3.05		Drill Core
1389087	11sm01	187.76	190.8	3.04		Drill Core
1389088	11sm01	190.8	193.85	3.05		Drill Core
1389089	11sm01	193.85	196.9	3.05		Drill Core
1389090	11sm01	196.9	199.95	3.05		Drill Core
1389091	11sm01	199.95	201.40	1.45		Drill Core
1389092	11sm01	201.40	202.40	1.00		Drill Core
1389093	11sm01	202.40	204.25	1.85		Drill Core
1389094	11sm01	204.25	206.24	1.99		Drill Core
1389095	11sm01	206.24	207.30	1.06		Drill Core
1389096	11sm01	207.30	208.20	0.90		Drill Core
1389097	11sm01	208.20	210.50	2.30		Drill Core
1389098	11sm01	210.50	212.14	1.64		Drill Core
1389099	11sm01	212.14	215.19	3.05		Drill Core
1389100	11sm01	215.19	218.24	3.05		Drill Core
1389101	11sm01	218.24	219.80	1.56		Drill Core
1389102	11sm01	219.80	220.50	0.70		Drill Core
1389103	11sm01	220.50	221.28	0.78		Drill Core
1389104	**11sm02**	1.83	4.88	3.05	1389104	Drill Core
1389105	**11sm02**	4.88	7.92	3.04	1389105	Drill Core
1389106	**11sm02**	blank			1389106	Rock
1389107	**11sm02**	std 11a			1389107	Rock Pulp
1389108	**11sm02**	7.92	10.97	3.05	1389108	Drill Core

TAG #	Hole ID	From	To	width		Type
1389109	**11sm02**	10.97	14.02	3.05	1389109	Drill Core
1389110	**11sm02**	14.02	17.07	3.05	1389110	Drill Core
1389111	**11sm02**	17.07	20.12	3.05	1389111	Drill Core
1389112	**11sm02**	20.12	23.16	3.04	1389112	Drill Core
1389113	**11sm02**	23.16	26.21	3.05	1389113	Drill Core
1389114	**11sm02**	26.21	29.26	3.05	1389114	Drill Core
1389115	**11sm02**	29.26	32.31	3.05	1389115	Drill Core
1389116	**11sm02**	32.31	35.36	3.05	1389116	Drill Core
1389117	**11sm02**	35.36	38.4	3.04	1389117	Drill Core
1389118	**11sm02**	38.4	41.45	3.05	1389118	Drill Core
1389119	**11sm02**	41.45	44.5	3.05	1389119	Drill Core
1389120	**11sm02**	44.5	47.55	3.05	1389120	Drill Core
1389121	**11sm02**	47.55	50.6	3.05	1389121	Drill Core
1389122	**11sm02**	50.6	53.64	3.04	1389122	Drill Core
1389123	**11sm02**	53.64	56.69	3.05	1389123	Drill Core
1389124	**11sm02**	56.69	59.74	3.05	1389124	Drill Core
1389125	**11sm02**	59.74	62.79	3.05	1389125	Drill Core
1389126	11sm03	3.43	4.88	1.45	1389126	Drill Core
1389127	11sm03	4.88	7.92	3.04	1389127	Drill Core
1389128	11sm03	7.92	10.97	3.05	1389128	Drill Core
1389129	11sm03	10.97	14.02	3.05	1389129	Drill Core
1389130	11sm03	Blank			1389130	Rock
1389131	11sm03	std 12			1389131	Rock Pulp
1389132	11sm03	14.02	15.94	1.92	1389132	Drill Core
1389133	11sm03	15.94	17.07	1.13	1389133	Drill Core
1389134	11sm03	17.07	20.12	3.05	1389134	Drill Core
1389135	11sm03	20.12	23.16	3.04	1389135	Drill Core
1389136	11sm03	23.16	26.21	3.05	1389136	Drill Core
1389137	11sm03	26.21	27.90	1.69	1389137	Drill Core
1389138	11sm03	27.90	29.80	1.90	1389138	Drill Core
1389139	11sm03	29.80	32.31	2.51	1389139	Drill Core
1389140	11sm03	32.31	35.36	3.05	1389140	Drill Core
1389141	11sm03	35.36	38.4	3.04	1389141	Drill Core
1389142	11sm03	38.4	39.70	1.30	1389142	Drill Core
1389143	11sm03	39.70	41	1.30	1389143	Drill Core
1389144	11sm03	41	44.50	3.50	1389144	Drill Core
1389145	11sm03	44.50	47.55	3.05	1389145	Drill Core
1389146	11sm03	47.55	50.60	3.05	1389146	Drill Core
1389147	11sm03	50.60	51.80	1.20	1389147	Drill Core
1389148	11sm03	51.80	52.80	1.00	1389148	Drill Core
1389149	11sm03	52.80	54.90	2.10	1389149	Drill Core
1389150	11sm03	54.90	56.69	1.79	1389150	Drill Core
1389151	11sm03	56.69	57.90	1.21	1389151	Drill Core
1389152	11sm03	blank			1389152	Rock
1389153	11sm03	std 11a			1389153	Rock Pulp
1389154	11sm03	57.90	59.74	1.84	1389154	Drill Core
1389155	11sm03	59.74	61.60	1.86	1389155	Drill Core
1389156	11sm03	61.60	62.79	1.19	1389156	Drill Core
1389157	**11sm04**	3.80	5.49	1.69	1389157	Drill Core
1389158	**11sm04**	5.49	6.96	1.47	1389158	Drill Core
1389159	**11sm04**	6.96	8.53	1.57	1389159	Drill Core
1389160	**11sm04**	blank			1389160	Rock
1389161	**11sm04**	std 12			1389161	Rock Pulp
1389162	**11sm04**	8.53	9.60	1.07	1389162	Drill Core

TAG #	Hole ID	From	To	width		Type
1389163	**11sm04**	9.60	10.60	1.00	1389163	Drill Core
1389164	**11sm04**	10.60	11.10	0.50	1389164	Drill Core
1389165	**11sm04**	11.10	12.20	1.10	1389165	Drill Core
1389166	**11sm04**	12.20	13.60	1.40	1389166	Drill Core
1389167	**11sm04**	13.60	14.84	1.24	1389167	Drill Core
1389168	**11sm04**	14.84	16.13	1.29	1389168	Drill Core
1389169	**11sm04**	16.13	17.68	1.55	1389169	Drill Core
1389170	**11sm04**	blank			1389170	Rock
1389171	**11sm04**	std 12			1389171	Rock Pulp
1389172	**11sm04**	17.68	19.35	1.67	1389172	Drill Core
1389173	**11sm04**	19.35	20.57	1.22	1389173	Drill Core
1389174	**11sm04**	20.57	21.50	0.93	1389174	Drill Core
1389175	**11sm04**	21.50	22.65	1.15	1389175	Drill Core
1389176	**11sm04**	22.65	24.00	1.35	1389176	Drill Core
1389177	**11sm04**	24.00	25.00	1.00	1389177	Drill Core
1389178	**11sm04**	25.00	26.00	1.00	1389178	Drill Core
1389179	**11sm04**	26.00	27.00	1.00	1389179	Drill Core
1389180	**11sm04**	27.00	29.00	2.00	1389180	Drill Core
1389181	**11sm04**	29.00	32.02	3.02	1389181	Drill Core
1389182	**11sm04**	32.02	33.00	0.98	1389182	Drill Core
1389183	**11sm04**	33.00	35.00	2.00	1389183	Drill Core
1389184	**11sm04**	35.00	37.00	2.00	1389184	Drill Core
1389185	**11sm04**	37.00	39.01	2.01	1389185	Drill Core
1389186	**11sm04**	39.01	41.10	2.09	1389186	Drill Core
1389187	**11sm04**	41.10	43.00	1.90	1389187	Drill Core
1389188	**11sm04**	43.00	44.00	1.00	1389188	Drill Core
1389189	**11sm04**	44.00	45.50	1.50	1389189	Drill Core
1389190	**11sm04**	45.50	47.00	1.50	1389190	Drill Core
1389191	**11sm04**	blank			1389191	Rock
1389192	**11sm04**	std 11a			1389192	Rock Pulp
1389193	**11sm04**	47.00	49.23	2.23	1389193	Drill Core
1389194	**11sm04**	49.23	51.21	1.98	1389194	Drill Core
1389195	**11sm04**	51.21	53.16	1.95	1389195	Drill Core
1389196	**11sm04**	53.16	55.00	1.84	1389196	Drill Core
1389197	**11sm04**	55.00	57.30	2.30	1389197	Drill Core
1389198	**11sm04**	57.30	59.30	2.00	1389198	Drill Core
1389199	**11sm04**	59.30	61.00	1.70	1389199	Drill Core
1389200	**11sm04**	61.00	62.00	1.00	1389200	Drill Core
1389201	**11sm04**	62.00	63.40	1.40	1389201	Drill Core
1389202	**11sm04**	63.40	66.45	3.05	1389202	Drill Core
1389203	**11sm04**	66.45	69.49	3.04	1389203	Drill Core
1389204	**11sm04**	69.49	72.54	3.05	1389204	Drill Core
1389205	**11sm04**	72.54	75.59	3.05	1389205	Drill Core
1389206	**11sm04**	75.59	78.64	3.05	1389206	Drill Core
1389207	**11sm04**	78.64	81.69	3.05	1389207	Drill Core
1389208	**11sm04**	81.69	84.73	3.04	1389208	Drill Core
1389209	**11sm04**	84.73	87.78	3.05	1389209	Drill Core
1389210	**11sm04**	87.78	90.83	3.05	1389210	Drill Core
1389211	**11sm04**	90.83	93.88	3.05	1389211	Drill Core
1389212	**11sm04**	93.88	96.93	3.05	1389212	Drill Core
1389213	**11sm04**	blank			1389213	Rock
1389214	**11sm04**	std 11a			1389214	Rock Pulp
1389215	**11sm04**	96.93	99.97	3.04	1389215	Drill Core
1389216	**11sm04**	99.97	103.02	3.05	1389216	Drill Core

TAG #	Hole ID	From	To	width		Type
1389217	**11sm04**	103.02	105.4	2.38	1389217	Drill Core
1389218	**11sm04**	105.4	106.85	1.45	1389218	Drill Core
1389219	**11sm04**	106.85	109.12	2.27	1389219	Drill Core
1389220	**11sm04**	109.12	112.17	3.05	1389220	Drill Core
1389221	**11sm04**	112.17	115.21	3.04	1389221	Drill Core
1389222	**11sm04**	115.21	118.26	3.05	1389222	Drill Core
1389223	**11sm04**	118.26	121.31	3.05	1389223	Drill Core
1389224	**11sm04**	121.31	124.36	3.05	1389224	Drill Core
1389225	**11sm04**	124.36	127.41	3.05	1389225	Drill Core
1389226	**11sm04**	127.41	130.45	3.04	1389226	Drill Core
1389227	**11sm04**	130.45	133.5	3.05	1389227	Drill Core
1389228	**11sm04**	133.5	136.55	3.05	1389228	Drill Core
1389229	**11sm04**	136.55	139.6	3.05	1389229	Drill Core
1389230	**11sm04**	139.6	142.65	3.05	1389230	Drill Core
1389231	**11sm04**	142.65	145.69	3.04	1389231	Drill Core
1389232	**11sm04**	145.69	148.74	3.05	1389232	Drill Core
1389233	**11sm04**	148.74	151.79	3.05	1389233	Drill Core
1389234	**11sm04**	151.79	153.3	1.51	1389234	Drill Core
1389235	**11sm04**	blank			1389235	Rock
1389236	**11sm04**	std 11a			1389236	Rock Pulp
1389237	**11sm04**	153.3	154.8	1.50	1389237	Drill Core
1389238	11sm05	1.51	4.1	2.59	1389238	Drill Core
1389239	11sm05	blank			1389239	Rock
1389240	11sm05	std 12			1389240	Rock Pulp
1389241	11sm05	4.1	5.18	1.08	1389241	Drill Core
1389242	11sm05	5.18	6.7	1.52	1389242	Drill Core
1389243	11sm05	6.7	8.23	1.53	1389243	Drill Core
1389244	11sm05	8.23	9.2	0.97	1389244	Drill Core
1389245	11sm05	9.2	11.27	2.07	1389245	Drill Core
1389246	11sm05	blank			1389246	Rock
1389247	11sm05	std 11a			1389247	Rock Pulp
1389248	11sm05	11.27	12.62	1.35	1389248	Drill Core
1389249	11sm05	12.62	14.3	1.68	1389249	Drill Core
1389250	11sm05	14.3	16.8	2.50	1389250	Drill Core
1389251	11sm05	16.8	17.57	0.77	1389251	Drill Core
1389252	11sm05	17.57	19.1	1.53	1389252	Drill Core
1389253	11sm05	19.1	20.42	1.32	1389253	Drill Core
1389254	11sm05	20.42	21.9	1.48	1389254	Drill Core
1389255	11sm05	21.9	23.47	1.57	1389255	Drill Core
1389256	11sm05	23.47	24.85	1.38	1389256	Drill Core
1389257	11sm05	24.85	26.52	1.67	1389257	Drill Core
1389258	11sm05	26.52	28	1.48	1389258	Drill Core
1389259	11sm05	28	29.9	1.90	1389259	Drill Core
1389260	11sm05	29.9	31.2	1.30	1389260	Drill Core
1389261	11sm05	blank			1389261	Rock
1389262	11sm05	std 12			1389262	Rock Pulp
1389263	11sm05	31.2	32.5	1.30	1389263	Drill Core
1389264	11sm05	32.5	35	2.50	1389264	Drill Core
1389265	11sm05	35	36.5	1.50	1389265	Drill Core
1389266	11sm05	36.5	38.3	1.80	1389266	Drill Core
1389267	11sm05	38.3	40.2	1.90	1389267	Drill Core
1389268	11sm05	40.2	41.76	1.56	1389268	Drill Core
1389269	11sm05	41.76	44.81	3.05	1389269	Drill Core
1389270	11sm05	44.81	47.85	3.04	1389270	Drill Core

TAG #	Hole ID	From	To	width		Type
1389271	11sm05	47.85	50.9	3.05	1389271	Drill Core
1389272	11sm05	50.9	53.95	3.05	1389272	Drill Core
1389273	11sm05	53.95	57	3.05	1389273	Drill Core
1389274	11sm05	57	60.05	3.05	1389274	Drill Core
1389275	11sm05	60.05	63.09	3.04	1389275	Drill Core
1389276	11sm05	63.09	66.14	3.05	1389276	Drill Core
1389277	11sm05	66.14	67.84	1.70	1389277	Drill Core
1389278	11sm05	67.84	69.19	1.35	1389278	Drill Core
1389279	11sm05	69.19	70.7	1.51	1389279	Drill Core
1389280	11sm05	70.7	72.24	1.54	1389280	Drill Core
1389281	11sm05	72.24	72.75	0.51	1389281	Drill Core
1389282	11sm05	72.75	75.29	2.54	1389282	Drill Core
1389283	11sm05	blank			1389283	Rock
1389284	11sm05	std 11a			1389284	Rock Pulp
1389285	11sm05	75.29	78.33	3.04	1389285	Drill Core
1389286	11sm05	78.33	81.38	3.05	1389286	Drill Core
1389287	11sm05	81.38	84.43	3.05	1389287	Drill Core
1389288	11sm05	84.43	87.48	3.05	1389288	Drill Core
1389289	11sm05	87.48	90.53	3.05	1389289	Drill Core
1389290	11sm05	90.53	93.57	3.04	1389290	Drill Core
1389291	11sm05	93.57	96.62	3.05	1389291	Drill Core
1389292	11sm05	96.62	98.3	1.68	1389292	Drill Core
1389293	11sm05	98.3	100.5	2.20	1389293	Drill Core
1389294	11sm05	100.5	102.72	2.22	1389294	Drill Core
1389295	11sm05	102.72	105.77	3.05	1389295	Drill Core
1389296	11sm05	105.77	108.81	3.04	1389296	Drill Core
1389297	11sm05	108.81	110.3	1.49	1389297	Drill Core
1389298	11sm05	110.3	111.86	1.56	1389298	Drill Core
1389299	**11sm06**	3.04	4.88	1.84	1389299	Drill Core
1389300	**11sm06**	4.88	6.38	1.50	1389300	Drill Core
1389301	**11sm06**	6.38	7.92	1.54	1389301	Drill Core
1389302	**11sm06**	7.92	9.4	1.48	1389302	Drill Core
1389303	**11sm06**	blank			1389303	Rock
1389304	**11sm06**	std 12			1389304	Rock Pulp
1389305	**11sm06**	9.4	10.97	1.57	1389305	Drill Core
1389306	**11sm06**	10.97	12.2	1.23	1389306	Drill Core
1389307	**11sm06**	12.2	14.02	1.82	1389307	Drill Core
1389308	**11sm06**	14.02	15.5	1.48	1389308	Drill Core
1389309	**11sm06**	15.5	17.55	2.05	1389309	Drill Core
1389310	**11sm06**	17.55	20	2.45	1389310	Drill Core
1389311	**11sm06**	20	22.7	2.70	1389311	Drill Core
1389312	**11sm06**	22.7	24.6	1.90	1389312	Drill Core
1389313	**11sm06**	24.6	26.21	1.61	1389313	Drill Core
1389314	**11sm06**	26.21	28	1.79	1389314	Drill Core
1389315	**11sm06**	28	31.1	3.10	1389315	Drill Core
1389316	**11sm06**	31.1	32.61	1.51	1389316	Drill Core
1389317	**11sm06**	32.61	34.4	1.79	1389317	Drill Core
1389318	**11sm06**	34.4	35.6	1.20	1389318	Drill Core
1389319	**11sm06**	35.6	37.02	1.42	1389319	Drill Core
1389320	**11sm06**	blank			1389320	Rock
1389321	**11sm06**	std 11a			1389321	Rock Pulp
1389322	**11sm06**	37.02	38.58	1.56	1389322	Drill Core
1389323	**11sm06**	38.58	40	1.42	1389323	Drill Core
1389324	**11sm06**	40	41.45	1.45	1389324	Drill Core

TAG #	Hole ID	From	To	width		Type
1389325	**11sm06**	41.45	42.7	1.25	1389325	Drill Core
1389326	**11sm06**	42.7	44.5	1.80	1389326	Drill Core
1389327	**11sm06**	44.5	46.1	1.60	1389327	Drill Core
1389328	**11sm06**	46.1	47.25	1.15	1389328	Drill Core
1389329	**11sm06**	47.25	48.36	1.11	1389329	Drill Core
1389330	**11sm06**	48.36	50.6	2.24	1389330	Drill Core
1389331	**11sm06**	50.6	53.64	3.04	1389331	Drill Core
1389332	**11sm06**	53.64	54.97	1.33	1389332	Drill Core
1389333	**11sm06**	54.97	56.69	1.72	1389333	Drill Core
1389334	**11sm06**	56.69	59.74	3.05	1389334	Drill Core
1389335	**11sm06**	59.74	61	1.26	1389335	Drill Core
1389336	**11sm06**	61	62.79	1.79	1389336	Drill Core
1389337	**11sm06**	62.79	65.84	3.05	1389337	Drill Core
1389338	**11sm06**	65.84	67.9	2.06	1389338	Drill Core
1389339	**11sm06**	67.9	69.6	1.70	1389339	Drill Core
1389340	**11sm06**	blank			1389340	Rock
1389341	**11sm06**	std 12			1389341	Rock Pulp
1389342	**11sm06**	69.6	71.8	2.20	1389342	Drill Core
1389343	**11sm06**	71.8	72.87	1.07	1389343	Drill Core
1389344	**11sm06**	72.87	74.98	2.11	1389344	Drill Core
1389345	**11sm06**	74.98	77.05	2.07	1389345	Drill Core
1389346	**11sm06**	77.05	78.5	1.45	1389346	Drill Core
1389347	**11sm06**	78.5	80	1.50	1389347	Drill Core
1389348	**11sm06**	80	81.5	1.50	1389348	Drill Core
1389349	**11sm06**	81.5	83.9	2.40	1389349	Drill Core
1389350	**11sm06**	83.9	85.07	1.17	1389350	Drill Core
1389351	**11sm06**	85.07	86.85	1.78	1389351	Drill Core
1389352	**11sm06**	86.85	88	1.15	1389352	Drill Core
1389353	**11sm06**	88	89.5	1.50	1389353	Drill Core
1389354	**11sm06**	89.5	91.5	2.00	1389354	Drill Core
1389355	**11sm06**	91.5	93.5	2.00	1389355	Drill Core
1389356	**11sm06**	93.5	95.5	2.00	1389356	Drill Core
1389357	**11sm06**	95.5	97.05	1.55	1389357	Drill Core
1389358	**11sm06**	97.05	98.8	1.75	1389358	Drill Core
1389359	**11sm06**	98.8	100.8	2.00	1389359	Drill Core
1389360	**11sm06**	blank			1389360	Rock
1389361	**11sm06**	std 11a			1389361	Rock Pulp
1389362	**11sm06**	100.8	101.9	1.10	1389362	Drill Core
1389363	**11sm06**	101.9	103	1.10	1389363	Drill Core
1389364	**11sm06**	103	103.9	0.90	1389364	Drill Core
1389365	**11sm06**	103.9	105.9	2.00	1389365	Drill Core
1389366	**11sm06**	105.9	108.51	2.61	1389366	Drill Core
1389367	**11sm06**	108.51	110.97	2.46	1389367	Drill Core
1389368	**11sm06**	110.97	112.3	1.33	1389368	Drill Core
1389369	**11sm06**	112.3	114	1.70	1389369	Drill Core
1389370	**11sm06**	114	116.6	2.60	1389370	Drill Core
1389371	**11sm06**	116.6	119	2.40	1389371	Drill Core
1389372	**11sm06**	119	121.17	2.17	1389372	Drill Core
1389373	**11sm06**	121.17	123.35	2.18	1389373	Drill Core
1389374	**11sm06**	123.35	125.8	2.45	1389374	Drill Core
1389375	**11sm06**	125.8	127.9	2.10	1389375	Drill Core
1389376	**11sm06**	127.9	129.3	1.40	1389376	Drill Core
1389377	**11sm06**	129.3	131.4	2.10	1389377	Drill Core
1389378	**11sm06**	131.4	133.8	2.40	1389378	Drill Core

TAG #	Hole ID	From	To	width		Type
1389379	**11sm06**	133.8	134.65	0.85	1389379	Drill Core
1389380	**11sm06**	blank			1389380	Rock
1389381	**11sm06**	std 12			1389381	Rock Pulp
1389382	**11sm06**	134.65	136.38	1.73	1389382	Drill Core
1389383	**11sm06**	136.38	138	1.62	1389383	Drill Core
1389384	**11sm06**	138	139.2	1.20	1389384	Drill Core
1389385	**11sm06**	139.2	141.6	2.40	1389385	Drill Core
1389386	**11sm06**	141.6	143.6	2.00	1389386	Drill Core
1389387	**11sm06**	143.6	146.24	2.64	1389387	Drill Core
1389388	**11sm06**	146.24	147.24	1.00	1389388	Drill Core
1389389	**11sm06**	147.24	148.13	0.89	1389389	Drill Core
1389390	**11sm06**	148.13	149.64	1.51	1389390	Drill Core
1389391	**11sm06**	149.64	151.18	1.54	1389391	Drill Core
1389392	**11sm06**	151.18	152.8	1.62	1389392	Drill Core
1389393	**11sm06**	152.8	154.54	1.74	1389393	Drill Core
1389394	**11sm06**	154.54	156.2	1.66	1389394	Drill Core
1389395	**11sm06**	156.2	158.33	2.13	1389395	Drill Core
1389396	**11sm06**	158.33	160.32	1.99	1389396	Drill Core
1389397	**11sm06**	161.8	163	1.20	1389397	Drill Core
1389398	**11sm06**	163	164.74	1.74	1389398	Drill Core
1389399	**11sm06**	164.74	165.75	1.01	1389399	Drill Core
1389400	**11sm06**	blank			1389400	Rock
1389401	**11sm06**	std 11a			1389401	Rock Pulp
1389402	**11sm06**	165.75	167.84	2.09	1389402	Drill Core
1389403	**11sm06**	167.84	169.9	2.06	1389403	Drill Core
1389404	**11sm06**	169.9	172.02	2.12	1389404	Drill Core
1389405	**11sm06**	172.02	174	1.98	1389405	Drill Core
1389406	**11sm06**	174	175.56	1.56	1389406	Drill Core
1389407	**11sm06**	175.56	177.1	1.54	1389407	Drill Core
1389408	**11sm06**	177.1	179	1.90	1389408	Drill Core
1389409	**11sm06**	179	180.72	1.72	1389409	Drill Core
1389410	**11sm06**	180.72	183	2.28	1389410	Drill Core
1389411	**11sm06**	183	184	1.00	1389411	Drill Core
1389412	**11sm06**	184	186.1	2.10	1389412	Drill Core
1389413	**11sm06**	186.1	187.76	1.66	1389413	Drill Core
1389414	**11sm06**	187.76	189.49	1.73	1389414	Drill Core
1389415	**11sm06**	189.49	191.1	1.61	1389415	Drill Core
1389416	**11sm06**	191.1	191.75	0.65	1389416	Drill Core
1389417	**11sm06**	191.75	193.85	2.10	1389417	Drill Core
1389418	**11sm06**	193.85	196.9	3.05	1389418	Drill Core
1389419	**11sm06**	196.9	198.32	1.42	1389419	Drill Core
1389420	**11sm06**	blank			1389420	Rock
1389421	**11sm06**	std 12			1389421	Rock Pulp
1389422	**11sm06**	198.32	199.8	1.48	1389422	Drill Core
1389423	**11sm06**	199.8	200.65	0.85	1389423	Drill Core
1389424	**11sm06**	200.65	203	2.35	1389424	Drill Core
1389425	**11sm06**	203	205.1	2.10	1389425	Drill Core
1389426	**11sm06**	205.1	206.74	1.64	1389426	Drill Core
1389427	**11sm06**	206.74	209.09	2.35	1389427	Drill Core
1389428	**11sm06**	209.09	212.14	3.05	1389428	Drill Core
1389429	**11sm06**	212.14	215.19	3.05	1389429	Drill Core
1389430	**11sm06**	215.19	216.8	1.61	1389430	Drill Core
1389431	**11sm06**	216.8	218.24	1.44	1389431	Drill Core
1389432	**11sm06**	218.24	221.28	3.04	1389432	Drill Core

TAG #	Hole ID	From	To	width		Type
1389433	**11sm06**	221.28	223.36	2.08	1389433	Drill Core
1389434	**11sm06**	223.36	224.33	0.97	1389434	Drill Core
1389435	**11sm06**	224.33	227.38	3.05	1389435	Drill Core
1389436	**11sm06**	227.38	230.43	3.05	1389436	Drill Core
1389437	11sm07	1.83	3.33	1.50	1389437	Drill Core
1389438	11sm07	3.33	5.18	1.85	1389438	Drill Core
1389439	11sm07	5.18	6.68	1.50	1389439	Drill Core
1389440	11sm07	blank			1389440	Rock
1389441	11sm07	std 11a			1389441	Rock Pulp
1389442	11sm07	6.68	8.23	1.55	1389442	Drill Core
1389443	11sm07	8.23	9.73	1.50	1389443	Drill Core
1389444	11sm07	9.73	11.28	1.55	1389444	Drill Core
1389445	11sm07	11.28	13.5	2.22	1389445	Drill Core
1389446	11sm07	13.5	15.5	2.00	1389446	Drill Core
1389447	11sm07	15.5	17.67		1389447	Drill Core
1389448	11sm07	17.67	18.27	0.60	1389448	Drill Core
1389449	11sm07	18.27	19.4	1.13	1389449	Drill Core
1389450	11sm07	19.4	20.42	1.02	1389450	Drill Core
1389451	11sm07	20.42	21.83	1.41	1389451	Drill Core
1389452	11sm07	21.83	22.33	0.50	1389452	Drill Core
1389453	11sm07	22.33	24.9	2.57	1389453	Drill Core
1389454	11sm07	24.9	25.91	1.01	1389454	Drill Core
1389455	11sm07	25.91	28	2.09	1389455	Drill Core
1389456	11sm07	28	29.57	1.57	1389456	Drill Core
1389457	11sm07	29.57	31.1	1.53	1389457	Drill Core
1389458	11sm07	31.1	32.61	1.51	1389458	Drill Core
1389459	11sm07	32.61	34.1	1.49	1389459	Drill Core
1389460	11sm07	34.1	35.66	1.56	1389460	Drill Core
1389461	11sm07	35.66	37.2	1.54	1389461	Drill Core
1389462	11sm07	37.2	38.71	1.51	1389462	Drill Core
1389463	11sm07	38.71	40.25	1.54	1389463	Drill Core
1389464	11sm07	40.25	41.76	1.51	1389464	Drill Core
1389465	11sm07	41.76	43.25	1.49	1389465	Drill Core
1389466	11sm07	blank			1389466	Rock
1389467	11sm07	std 12			1389467	Rock Pulp
1389468	11sm07	43.25	45	1.75	1389468	Drill Core
1389469	11sm07	45	46.65	1.65	1389469	Drill Core
1389470	11sm07	46.65	48.65	2.00	1389470	Drill Core
1389471	11sm07	48.65	51.14	2.49	1389471	Drill Core
1389472	11sm07	51.14	53.95	2.81	1389472	Drill Core
1389473	11sm07	53.95	57	3.05	1389473	Drill Core
1389474	11sm07	57	60.1	3.10	1389474	Drill Core
1389475	11sm07	60.1	63.09	2.99	1389475	Drill Core
1389476	11sm07	63.09	66.14	3.05	1389476	Drill Core
1389477	11sm07	66.14	69.19	3.05	1389477	Drill Core
1389478	11sm07	69.19	72.24	3.05	1389478	Drill Core
1389479	11sm07	72.24	75.21	2.97	1389479	Drill Core
1389480	11sm07	75.21	77.08	1.87	1389480	Drill Core
1389481	11sm07	77.08	80	2.92	1389481	Drill Core
1389482	11sm07	80	81.38	1.38	1389482	Drill Core
1389483	11sm07	81.38	83	1.62	1389483	Drill Core
1389484	11sm07	83	84.43	1.43	1389484	Drill Core
1389485	11sm07	84.43	87.48	3.05	1389485	Drill Core
1389486	11sm07	blank			1389486	Rock

TAG #	Hole ID	From	To	width		Type
1389487	11sm07	std 11a			1389487	Rock Pulp
1389488	11sm07	87.48	90.53	3.05	1389488	Drill Core
1389489	11sm07	90.53	93.57	3.04	1389489	Drill Core
1389490	11sm07	93.57	96.62	3.05	1389490	Drill Core
1389491	11sm07	96.62	99.67	3.05	1389491	Drill Core
1389492	11sm07	99.67	102.72	3.05	1389492	Drill Core
1389493	11sm07	102.72	105.77	3.05	1389493	Drill Core
1389494	11sm07	105.77	108.81	3.04	1389494	Drill Core
1389495	11sm07	108.81	111.86	3.05	1389495	Drill Core
1389496	11sm07	111.86	114.91	3.05	1389496	Drill Core
1389497	11sm07	114.91	116.61	1.70	1389497	Drill Core
1389498	11sm07	116.61	117.96	1.35	1389498	Drill Core
1389499	11sm07	117.96	121.01	3.05	1389499	Drill Core
1389500	11sm07	121.01	124.05	3.04	1389500	Drill Core
1389501	11sm07	124.05	127.1	3.05	1389501	Drill Core
1389502	11sm07	127.1	130.15	3.05	1389502	Drill Core
1389503	11sm07	130.15	131.9	1.75	1389503	Drill Core
1389504	11sm07	131.9	133.2	1.30	1389504	Drill Core
1389505	11sm07	133.2	136.25	3.05	1389505	Drill Core
1389506	11sm07	blank			1389506	Rock
1389507	11sm07	std 12			1389507	Rock Pulp
1389508	11sm07	136.25	139.29	3.04	1389508	Drill Core
1389509	11sm07	139.29	140.7	1.41	1389509	Drill Core
1389510	11sm07	140.7	142.34	1.64	1389510	Drill Core
1389511	11sm07	142.34	143.1	0.76	1389511	Drill Core
1389512	11sm07	143.1	145.39	2.29	1389512	Drill Core
1389513	11sm07	145.39	146.67	1.28	1389513	Drill Core
1389514	11sm07	146.67	148.44	1.77	1389514	Drill Core
1389515	11sm07	148.44	149.95	1.51	1389515	Drill Core
1389516	11sm07	149.95	151.49	1.54	1389516	Drill Core
1389517	**11sm08**	2.37	5.18	2.81	1389517	Drill Core
1389518	**11sm08**	5.18	8.23	3.05	1389518	Drill Core
1389519	**11sm08**	8.23	11.28	3.05	1389519	Drill Core
1389520	**11sm08**	11.28	13.23	1.95	1389520	Drill Core
1389521	**11sm08**	13.23	14.33	1.10	1389521	Drill Core
1389522	**11sm08**	14.33	15.7	1.37	1389522	Drill Core
1389523	**11sm08**	15.7	17.37	1.67	1389523	Drill Core
1389524	**11sm08**	17.37	19.1	1.73	1389524	Drill Core
1389525	**11sm08**	19.1	20.7	1.60	1389525	Drill Core
1389526	**11sm08**	blank			1389526	Rock
1389527	**11sm08**	std 11a			1389527	Rock Pulp
1389528	**11sm08**	20.7	23	2.30	1389528	Drill Core
1389529	**11sm08**	23	25.13	2.13	1389529	Drill Core
1389530	**11sm08**	25.13	26.23	1.10	1389530	Drill Core
1389531	**11sm08**	26.23	28.9	2.67	1389531	Drill Core
1389532	**11sm08**	28.9	31	2.10	1389532	Drill Core
1389533	**11sm08**	31	32.61	1.61	1389533	Drill Core
1389534	**11sm08**	32.61	34.32	1.71	1389534	Drill Core
1389535	**11sm08**	34.32	35.66	1.34	1389535	Drill Core
1389536	**11sm08**	35.66	38.71	3.05	1389536	Drill Core
1389537	**11sm08**	38.71	41.76	3.05	1389537	Drill Core
1389538	**11sm08**	41.76	44.81	3.05	1389538	Drill Core
1389539	**11sm08**	44.81	47.85	3.04	1389539	Drill Core
1389540	**11sm08**	47.85	50.9	3.05	1389540	Drill Core

TAG #	Hole ID	From	To	width		Type
1389541	**11sm08**	50.9	53.95	3.05	1389541	Drill Core
1389542	**11sm08**	53.95	55.6	1.65	1389542	Drill Core
1389543	**11sm08**	55.6	57	1.40	1389543	Drill Core
1389544	**11sm08**	blank			1389544	Rock
1389545	**11sm08**	std 12			1389545	Rock Pulp
1389546	**11sm08**	57	58	1.00	1389546	Drill Core
1389547	**11sm08**	58	60.05	2.05	1389547	Drill Core
1389548	**11sm08**	60.05	63.09	3.04	1389548	Drill Core
1389549	**11sm08**	63.09	64.09	1.00	1389549	Drill Core
1389550	**11sm08**	64.09	65.6	1.51	1389550	Drill Core
1389551	**11sm08**	65.6	66.76	1.16	1389551	Drill Core
1389552	**11sm08**	66.76	69.19	2.43	1389552	Drill Core
1389553	**11sm08**	69.19	72.74	3.55	1389553	Drill Core
1389554	**11sm08**	72.74	75.29	2.55	1389554	Drill Core
1389555	**11sm08**	75.29	78.33	3.04	1389555	Drill Core
1389556	**11sm08**	78.33	81.38	3.05	1389556	Drill Core
1389557	**11sm08**	81.38	83.17	1.79	1389557	Drill Core
1389558	**11sm08**	83.17	84.43	1.26	1389558	Drill Core
1389559	**11sm08**	84.43	85.7	1.27	1389559	Drill Core
1389560	**11sm08**	85.7	87.48	1.78	1389560	Drill Core
1389561	**11sm08**	87.48	90.53	3.05	1389561	Drill Core
1389562	11sm09	5.18	7.55	2.37	1389562	Drill Core
1389563	11sm09	7.55	11.28	3.73	1389563	Drill Core
1389564	11sm09	11.28	14.33	3.05	1389564	Drill Core
1389565	11sm09	14.33	17.37	3.04	1389565	Drill Core
1389566	11sm09	17.37	19.5	2.13	1389566	Drill Core
1389567	11sm09	blank			1389567	Rock
1389568	11sm09	std 11a			1389568	Rock Pulp
1389569	11sm09	19.5	20.42	0.92	1389569	Drill Core
1389570	11sm09	20.42	22.38	1.96	1389570	Drill Core
1389571	11sm09	22.38	24.7	2.32	1389571	Drill Core
1389572	11sm09	24.7	27.9	3.20	1389572	Drill Core
1389573	11sm09	27.9	29.57	1.67	1389573	Drill Core
1389574	11sm09	29.57	31.3	1.73	1389574	Drill Core
1389575	11sm09	31.3	34.25	2.95	1389575	Drill Core
1389576	11sm09	34.25	37	2.75	1389576	Drill Core
1389577	11sm09	37	39.9	2.90	1389577	Drill Core
1389578	11sm09	39.9	41.76	1.86	1389578	Drill Core
1389579	11sm09	41.76	42.8	1.04	1389579	Drill Core
1389580	11sm09	42.8	44.81	2.01	1389580	Drill Core
1389581	11sm09	44.81	47.85	3.04	1389581	Drill Core
1389582	11sm09	47.85	50.9	3.05	1389582	Drill Core
1389583	11sm09	50.9	53.95	3.05	1389583	Drill Core
1389584	11sm09	53.95	57	3.05	1389584	Drill Core
1389585	11sm09	57	58.02	1.02	1389585	Drill Core
1389586	11sm09	blank			1389586	Rock
1389587	11sm09	std 12			1389587	Rock Pulp
1389588	11sm09	58.02	60.05	2.03	1389588	Drill Core
1389589	11sm09	60.05	63.09	3.04	1389589	Drill Core
1389590	11sm09	63.09	66.14	3.05	1389590	Drill Core
1389591	11sm09	66.14	69.19	3.05	1389591	Drill Core
1389592	11sm09	69.19	72.24	3.05	1389592	Drill Core
1389593	11sm09	72.24	75.29	3.05	1389593	Drill Core
1389594	11sm09	75.29	77	1.71	1389594	Drill Core

TAG #	Hole ID	From	To	width		Type
1389595	11sm09	77	78.33	1.33	1389595	Drill Core
1389596	11sm09	78.33	81.38	3.05	1389596	Drill Core
1389597	11sm09	81.38	84.43	3.05	1389597	Drill Core
1389598	11sm09	84.43	87.48	3.05	1389598	Drill Core
1389599	**11sm10**	3.5	5.18	1.68	1389599	Drill Core
1389600	**11sm10**	5.18	8.23	3.05	1389600	Drill Core
1389601	**11sm10**	8.23	11.28	3.05	1389601	Drill Core
1389602	**11sm10**	blank			1389602	Rock
1389603	**11sm10**	std 11a			1389603	Rock Pulp
1389604	**11sm10**	11.28	12.8	1.52	1389604	Drill Core
1389605	**11sm10**	12.8	14.62	1.82	1389605	Drill Core
1389606	**11sm10**	14.62	17.37	2.75	1389606	Drill Core
1389607	**11sm10**	17.37	20.42	3.05	1389607	Drill Core
1389608	**11sm10**	20.42	23.47	3.05	1389608	Drill Core
1389609	**11sm10**	23.47	26.52	3.05	1389609	Drill Core
1389610	**11sm10**	26.52	28	1.48	1389610	Drill Core
1389611	**11sm10**	28	29.57	1.57	1389611	Drill Core
1389612	**11sm10**	29.57	32.61	3.04	1389612	Drill Core
1389613	**11sm10**	32.61	35.66	3.05	1389613	Drill Core
1389614	**11sm10**	35.66	37.34	1.68	1389614	Drill Core
1389615	**11sm10**	37.34	38.71	1.37	1389615	Drill Core
1389616	**11sm10**	38.71	40.98	2.27	1389616	Drill Core
1389617	**11sm10**	40.98	41.76	0.78	1389617	Drill Core
1389618	**11sm10**	41.76	44.81	3.05	1389618	Drill Core
1389619	**11sm10**	44.81	47.85	3.04	1389619	Drill Core
1389620	**11sm10**	47.85	50.9	3.05	1389620	Drill Core
1389621	**11sm10**	blank			1389621	Rock
1389622	**11sm10**	std 12			1389622	Rock Pulp
1389623	**11sm10**	50.9	52.17	1.27	1389623	Drill Core
1389624	**11sm10**	52.17	53.95	1.78	1389624	Drill Core
1389625	**11sm10**	53.95	57	3.05	1389625	Drill Core
1389626	**11sm10**	57	60.05	3.05	1389626	Drill Core
1389627	**11sm10**	60.05	63.09	3.04	1389627	Drill Core
1389628	**11sm10**	63.09	66.14	3.05	1389628	Drill Core
1389629	**11sm10**	66.14	69.19	3.05	1389629	Drill Core
1389630	**11sm10**	69.19	72.24	3.05	1389630	Drill Core
1389631	**11sm10**	72.24	75.29	3.05	1389631	Drill Core
1389632	**11sm10**	75.29	78.33	3.04	1389632	Drill Core
1389633	**11sm10**	78.33	81.38	3.05	1389633	Drill Core
1389634	**11sm10**	81.38	84.43	3.05	1389634	Drill Core
1389635	**11sm10**	84.43	87.48	3.05	1389635	Drill Core
1389636	**11sm10**	87.48	90.53	3.05	1389636	Drill Core
1389637	**11sm10**	90.53	93.57	3.04	1389637	Drill Core
1389638	**11sm10**	93.57	96.62	3.05	1389638	Drill Core
1389639	**11sm10**	96.62	99.67	3.05	1389639	Drill Core
1389640	**11sm10**	99.67	102.72	3.05	1389640	Drill Core
1389641	**11sm10**	blank			1389641	Rock
1389642	**11sm10**	std 11a			1389642	Rock Pulp
1389643	**11sm10**	102.72	105.77	3.05	1389643	Drill Core
1389644	**11sm10**	105.77	108.81	3.04	1389644	Drill Core
1389645	**11sm10**	108.81	111.86	3.05	1389645	Drill Core
1389646	**11sm10**	111.86	114.91	3.05	1389646	Drill Core
1389647	**11sm10**	114.91	117.04	2.13	1389647	Drill Core
1389648	11sm11	4.14	7	2.86	1389648	Drill Core

TAG #	Hole ID	From	To	width		Type
1389649	11sm11	7	8.5	1.50	1389649	Drill Core
1389650	11sm11	8.5	10	1.50	1389650	Drill Core
1389651	11sm11	10	11.28	1.28	1389651	Drill Core
1389652	11sm11	11.28	13.53	2.25	1389652	Drill Core
1389653	11sm11	13.53	15.68	2.15	1389653	Drill Core
1389654	11sm11	15.68	18.7	3.02	1389654	Drill Core
1389655	11sm11	18.7	20.42	1.72	1389655	Drill Core
1389656	11sm11	20.42	23.47	3.05	1389656	Drill Core
1389657	11sm11	23.47	26.52	3.05	1389657	Drill Core
1389658	11sm11	26.52	29.57	3.05	1389658	Drill Core
1389659	11sm11	29.57	32.61	3.04	1389659	Drill Core
1389660	11sm11	32.61	34.16	1.55	1389660	Drill Core
1389661	11sm11	34.16	35.66	1.50	1389661	Drill Core
1389662	11sm11	blank			1389662	Rock
1389663	11sm11	std 11a			1389663	Rock Pulp
1389664	11sm11	35.66	37.15	1.49	1389664	Drill Core
1389665	11sm11	37.15	38.71	1.56	1389665	Drill Core
1389666	11sm11	38.71	40.2	1.49	1389666	Drill Core
1389667	11sm11	40.2	41.76	1.56	1389667	Drill Core
1389668	11sm11	41.76	43.26	1.50	1389668	Drill Core
1389669	11sm11	43.26	44.81	1.55	1389669	Drill Core
1389670	11sm11	44.81	47.75	2.94	1389670	Drill Core
1389671	11sm11	47.85	49.35	1.50	1389671	Drill Core
1389672	11sm11	49.35	50.9	1.55	1389672	Drill Core
1389673	11sm11	50.9	52.4	1.50	1389673	Drill Core
1389674	11sm11	52.4	53.95	1.55	1389674	Drill Core
1389675	11sm11	53.95	55.45	1.50	1389675	Drill Core
1389676	11sm11	55.45	57	1.55	1389676	Drill Core
1389677	11sm11	57	60.05	3.05	1389677	Drill Core
1389678	11sm11	60.05	63.09	3.04	1389678	Drill Core
1389679	11sm11	63.09	66.14	3.05	1389679	Drill Core
1389680	11sm11	66.14	69.19	3.05	1389680	Drill Core
1389681	11sm11	69.19	72.24	3.05	1389681	Drill Core
1389682	11sm11	72.24	75.29	3.05	1389682	Drill Core
1389683	11sm11	75.29	78.33	3.04	1389683	Drill Core
1389684	11sm11	blank			1389684	Rock
1389685	11sm11	std 12			1389685	Rock Pulp
1389686	11sm11	78.33	81.38	3.05	1389686	Drill Core
1389687	11sm11	81.38	84.43	3.05	1389687	Drill Core
1389688	11sm11	84.43	87.48	3.05	1389688	Drill Core
1389689	11sm11	87.48	90.53	3.05	1389689	Drill Core
1389690	11sm11	90.53	93.57	3.04	1389690	Drill Core
1389691	11sm11	93.57	96.62	3.05	1389691	Drill Core
1389692	11sm11	96.62	99.67	3.05	1389692	Drill Core
1389693	11sm11	99.67	102.72	3.05	1389693	Drill Core
1389694	11sm11	102.72	105.77	3.05	1389694	Drill Core
1389695	11sm11	105.77	108.81	3.04	1389695	Drill Core
1389696	11sm11	108.81	111.86	3.05	1389696	Drill Core
1389697	11sm11	111.86	114.91	3.05	1389697	Drill Core
1389698	11sm11	114.91	117.04	2.13	1389698	Drill Core
1389699	11sm11	117.96	121.01	3.05	1389699	Drill Core
1389700	11sm11	121.01	124.05	3.04	1389700	Drill Core
1389701	**11sm12**	3.88	6.92	3.04	1389701	Drill Core
1389702	**11sm12**	6.92	8.45	1.53	1389702	Drill Core

TAG #	Hole ID	From	To	width		Type
1389703	**11sm12**	8.45	10.97	2.52	1389703	Drill Core
1389704	**11sm12**	10.97	14.02	3.05	1389704	Drill Core
1389705	**11sm12**	14.02	17.07	3.05	1389705	Drill Core
1389706	**11sm12**	17.07	18.57	1.50	1389706	Drill Core
1389707	**11sm12**	blank			1389707	Rock
1389708	**11sm12**	std 11a			1389708	Rock Pulp
1389709	**11sm12**	18.57	20.12	1.55	1389709	Drill Core
1389710	**11sm12**	20.12	21.62	1.50	1389710	Drill Core
1389711	**11sm12**	21.62	23.16	1.54	1389711	Drill Core
1389712	**11sm12**	23.16	24.66	1.50	1389712	Drill Core
1389713	**11sm12**	24.66	26.21	1.55	1389713	Drill Core
1389714	**11sm12**	26.21	29.26	3.05	1389714	Drill Core
1389715	**11sm12**	29.26	32.31	3.05	1389715	Drill Core
1389716	**11sm12**	32.31	35.36	3.05	1389716	Drill Core
1389717	**11sm12**	35.36	38.4	3.04	1389717	Drill Core
1389718	**11sm12**	38.4	39.9	1.50	1389718	Drill Core
1389719	**11sm12**	39.9	41.45	1.55	1389719	Drill Core
1389720	**11sm12**	41.45	42.87	1.42	1389720	Drill Core
1389721	**11sm12**	42.87	44.5	1.63	1389721	Drill Core
1389722	**11sm12**	44.5	46	1.50	1389722	Drill Core
1389723	**11sm12**	46	47.55	1.55	1389723	Drill Core
1389724	**11sm12**	47.55	50.6	3.05	1389724	Drill Core
1389725	**11sm12**	50.6	52.12	1.52	1389725	Drill Core
1389726	**11sm12**	52.12	53.64	1.52	1389726	Drill Core
1389727	**11sm12**	blank			1389727	Rock
1389728	**11sm12**	std 12			1389728	Rock Pulp
1389729	**11sm12**	53.64	55.14	1.50	1389729	Drill Core
1389730	**11sm12**	55.14	56.69	1.55	1389730	Drill Core
1389731	**11sm12**	56.69	59.74	3.05	1389731	Drill Core
1389732	**11sm12**	59.74	62.79	3.05	1389732	Drill Core
1389733	**11sm12**	62.79	65.84	3.05	1389733	Drill Core
1389734	**11sm12**	65.84	68.88	3.04	1389734	Drill Core
1389735	**11sm12**	68.88	71.93	3.05	1389735	Drill Core
1389736	**11sm12**	71.93	74.98	3.05	1389736	Drill Core
1389737	**11sm12**	74.98	78.03	3.05	1389737	Drill Core
1389738	**11sm12**	78.03	81.08	3.05	1389738	Drill Core
1389739	**11sm12**	81.08	84.12	3.04	1389739	Drill Core
1389740	**11sm12**	84.12	87.17	3.05	1389740	Drill Core
1389741	**11sm12**	87.17	90.22	3.05	1389741	Drill Core
1389742	**11sm12**	90.22	91.72	1.50	1389742	Drill Core
1389743	**11sm12**	91.72	93.27	1.55	1389743	Drill Core
1389744	**11sm12**	93.27	96.32	3.05	1389744	Drill Core
1389745	**11sm12**	96.32	99.36	3.04	1389745	Drill Core
1389746	**11sm12**	99.36	100.86	1.50	1389746	Drill Core
1389747	**11sm12**	blank			1389747	Rock
1389748	**11sm12**	std 11a			1389748	Rock Pulp
1389749	**11sm12**	100.86	102.41	1.55	1389749	Drill Core
1389750	**11sm12**	102.41	103.9	1.49	1389750	Drill Core
1389751	**11sm12**	103.9	105.46	1.56	1389751	Drill Core
1389752	**11sm12**	105.46	106.75	1.29	1389752	Drill Core
1389753	**11sm12**	106.75	108.51	1.76	1389753	Drill Core
1389754	**11sm12**	108.51	110	1.49	1389754	Drill Core
1389755	**11sm12**	110	111.56	1.56	1389755	Drill Core
1389756	**11sm12**	111.56	113.06	1.50	1389756	Drill Core

TAG #	Hole ID	From	To	width		Type
1389757	**11sm12**	113.06	114.6	1.54	1389757	Drill Core
1389758	**11sm12**	114.6	116.1	1.50	1389758	Drill Core
1389759	**11sm12**	116.1	117.65	1.55	1389759	Drill Core
1389760	**11sm12**	117.65	119.15	1.50	1389760	Drill Core
1389761	**11sm12**	119.15	120.7	1.55	1389761	Drill Core
1389762	**11sm12**	120.7	122.2	1.50	1389762	Drill Core
1389763	**11sm12**	122.2	123.75	1.55	1389763	Drill Core
1389764	**11sm12**	123.75	125.25	1.50	1389764	Drill Core
1389765	**11sm12**	125.25	126.8	1.55	1389765	Drill Core
1389766	**11sm12**	126.8	129.84	3.04	1389766	Drill Core
1389767	**11sm12**	129.84	132.76	2.92	1389767	Drill Core
1389768	**11sm12**	132.76	132.97	0.21	1389768	Drill Core
1389769	**11sm12**	132.97	135.94	2.97	1389769	Drill Core
1389770	**11sm12**	135.94	138.99	3.05	1389770	Drill Core
1389771	11sm13	2.4	5.18	2.78	1389771	Drill Core
1389772	11sm13	5.18	8.23	3.05	1389772	Drill Core
1389773	11sm13	8.23	11.28	3.05	1389773	Drill Core
1389774	11sm13	11.28	13.7	2.42	1389774	Drill Core
1389775	11sm13	13.7	14	0.30	1389775	Drill Core
1389776	11sm13	14	15.85	1.85	1389776	Drill Core
1389777	11sm13	15.85	18.5	2.65	1389777	Drill Core
1389778	11sm13	18.5	20.72	2.22	1389778	Drill Core
1389779	11sm13	20.72	22.06	1.34	1389779	Drill Core
1389780	11sm13	blank			1389780	Rock
1389781	11sm13	std 12			1389781	Rock Pulp
1389782	11sm13	22.06	23.47	1.41	1389782	Drill Core
1389783	11sm13	23.47	24.8	1.33	1389783	Drill Core
1389784	11sm13	24.8	26.7	1.90	1389784	Drill Core
1389785	11sm13	26.7	28.2	1.50	1389785	Drill Core
1389786	11sm13	28.2	29.57	1.37	1389786	Drill Core
1389787	11sm13	29.57	31.5	1.93	1389787	Drill Core
1389788	11sm13	31.5	32.9	1.40	1389788	Drill Core
1389789	11sm13	32.9	35	2.10	1389789	Drill Core
1389790	11sm13	35	37	2.00	1389790	Drill Core
1389791	11sm13	37	39.6	2.60	1389791	Drill Core
1389792	11sm13	39.6	41.76	2.16	1389792	Drill Core
1389793	11sm13	41.76	44.5	2.74	1389793	Drill Core
1389794	11sm13	44.5	45.55	1.05	1389794	Drill Core
1389795	11sm13	45.55	47.85	2.30	1389795	Drill Core
1389796	11sm13	47.85	50.9	3.05	1389796	Drill Core
1389797	11sm13	50.9	53.95	3.05	1389797	Drill Core
1389798	11sm13	53.95	57	3.05	1389798	Drill Core
1389799	11sm13	57	60.05	3.05	1389799	Drill Core
1389800	11sm13	60.05	63.09	3.04	1389800	Drill Core
1389801	11sm13	63.09	66.14	3.05	1389801	Drill Core
1389802	11sm13	66.14	67.49	1.35	1389802	Drill Core
1389803	11sm13	67.49	69.19	1.70	1389803	Drill Core
1389804	11sm13	blank			1389804	Rock
1389805	11sm13	std 11a			1389805	Rock Pulp
1389806	11sm13	69.19	72.3	3.11	1389806	Drill Core
1389807	11sm13	72.3	75.29	2.99	1389807	Drill Core
1389808	11sm13	75.29	78.33	3.04	1389808	Drill Core
1389809	11sm13	78.33	81.38	3.05	1389809	Drill Core
1389810	11sm13	81.38	84.43	3.05	1389810	Drill Core

TAG #	Hole ID	From	To	width		Type
1389811	11sm13	84.43	87.4	2.97	1389811	Drill Core
1389812	11sm13	87.4	90.53	3.13	1389812	Drill Core
1389813	11sm13	90.53	93.37	2.84	1389813	Drill Core
1389814	11sm13	93.37	95.8	2.43	1389814	Drill Core
1389815	11sm13	95.8	98.41	2.61	1389815	Drill Core
1389816	11sm13	98.41	99.67	1.26	1389816	Drill Core
1389817	11sm13	99.67	102.72	3.05	1389817	Drill Core
1389818	11sm13	102.72	105.77	3.05	1389818	Drill Core
1389819	11sm13	105.77	108.81	3.04	1389819	Drill Core
1389820	11sm13	108.81	111.86	3.05	1389820	Drill Core
1389821	11sm13	111.86	114.91	3.05	1389821	Drill Core
1389822	11sm13	114.91	117.96	3.05	1389822	Drill Core
1389823	11sm13	117.96	121.01	3.05	1389823	Drill Core
1389824	11sm13	blank			1389824	Rock
1389825	11sm13	std 12			1389825	Rock Pulp
1389826	11sm13	121.01	124.05	3.04	1389826	Drill Core
1389827	11sm13	124.05	127.1	3.05	1389827	Drill Core
1389828	11sm13	127.1	130.15	3.05	1389828	Drill Core
1389829	11sm13	130.15	133.2	3.05	1389829	Drill Core
1389830	11sm13	133.2	136.25	3.05	1389830	Drill Core
1389831	11sm13	136.25	139.29	3.04	1389831	Drill Core
1389832	11sm13	139.29	142.34	3.05	1389832	Drill Core
1389833	**11sm14**	1.52	3.3	1.78	1389833	Drill Core
1389834	**11sm14**	3.3	5.18	1.88	1389834	Drill Core
1389835	**11sm14**	5.18	8.23	3.05	1389835	Drill Core
1389836	**11sm14**	8.23	11.28	3.05	1389836	Drill Core
1389837	**11sm14**	11.28	14.33	3.05	1389837	Drill Core
1389838	**11sm14**	14.33	17.37	3.04	1389838	Drill Core
1389839	**11sm14**	17.37	20.42	3.05	1389839	Drill Core
1389840	**11sm14**	20.42	23.47	3.05	1389840	Drill Core
1389841	**11sm14**	23.47	26.52	3.05	1389841	Drill Core
1389842	**11sm14**	26.52	29.57	3.05	1389842	Drill Core
1389843	**11sm14**	29.57	32.61	3.04	1389843	Drill Core
1389844	**11sm14**	32.61	35.66	3.05	1389844	Drill Core
1389845	**11sm14**	35.66	38.5	2.84	1389845	Drill Core
1389846	**11sm14**	38.5	39.8	1.30	1389846	Drill Core
1389847	**11sm14**	39.8	41.66	1.86	1389847	Drill Core
1389848	**11sm14**	41.66	43.3	1.64	1389848	Drill Core
1389849	**11sm14**	43.3	44.5	1.20	1389849	Drill Core
1389850	**11sm14**	blank			1389850	Rock
1389851	**11sm14**	std 11a			1389851	Rock Pulp
1389852	**11sm14**	44.5	46.27	1.77	1389852	Drill Core
1389853	**11sm14**	46.27	47.85	1.58	1389853	Drill Core
1389854	**11sm14**	47.85	49.59	1.74	1389854	Drill Core
1389855	**11sm14**	49.59	50.9	1.31	1389855	Drill Core
1389856	**11sm14**	50.9	53.95	3.05	1389856	Drill Core
1389857	**11sm14**	53.95	57	3.05	1389857	Drill Core
1389858	**11sm14**	57	60.05	3.05	1389858	Drill Core
1389859	**11sm14**	60.05	63.09	3.04	1389859	Drill Core
1389860	**11sm14**	63.09	64.6	1.51	1389860	Drill Core
1389861	**11sm14**	64.6	66.14	1.54	1389861	Drill Core
1389862	**11sm14**	66.14	67.65	1.51	1389862	Drill Core
1389863	**11sm14**	67.65	69.19	1.54	1389863	Drill Core
1389864	**11sm14**	69.19	70.7	1.51	1389864	Drill Core

TAG #	Hole ID	From	To	width		Type
1389865	**11sm14**	70.7	72.24	1.54	1389865	Drill Core
1389866	**11sm14**	72.24	73.75	1.51	1389866	Drill Core
1389867	**11sm14**	73.75	75.29	1.54	1389867	Drill Core
1389868	**11sm14**	75.29	76.3	1.01	1389868	Drill Core
1389869	**11sm14**	76.3	77.6	1.30	1389869	Drill Core
1389870	**11sm14**	77.6	79.96	2.36	1389870	Drill Core
1389871	**11sm14**	79.96	81.7	1.74	1389871	Drill Core
1389872	**11sm14**	81.7	84.75	3.05	1389872	Drill Core
1389873	**11sm14**	84.75	87.2	2.45	1389873	Drill Core
1389874	**11sm14**	87.2	90.1	2.90	1389874	Drill Core
1389875	**11sm14**	90.1	93.05	2.95	1389875	Drill Core
1389876	**11sm14**	blank			1389876	Rock
1389877	**11sm14**	std 12			1389877	Rock Pulp
1389878	**11sm14**	93.05	94.1	1.05	1389878	Drill Core
1389879	**11sm14**	94.1	96.62	2.52	1389879	Drill Core
1389880	**11sm14**	96.62	99.67	3.05	1389880	Drill Core
1389881	**11sm14**	99.67	101.4	1.73	1389881	Drill Core
1389882	**11sm14**	101.4	102.72	1.32	1389882	Drill Core
1389883	**11sm14**	102.72	105.77	3.05	1389883	Drill Core
1389884	**11sm14**	105.77	108.9	3.13	1389884	Drill Core
1389885	**11sm14**	108.9	110.4	1.50	1389885	Drill Core
1389886	**11sm14**	110.4	111.9	1.50	1389886	Drill Core
1389887	**11sm14**	111.9	113.26	1.36	1389887	Drill Core
1389888	**11sm14**	113.26	114.5	1.24	1389888	Drill Core
1389889	**11sm14**	114.5	115.95	1.45	1389889	Drill Core
1389890	**11sm14**	115.95	117.96	2.01	1389890	Drill Core
1389891	11sm15	2.88	5.18	2.30	1389891	Drill Core
1389892	11sm15	5.18	8.23	3.05	1389892	Drill Core
1389893	11sm15	8.23	10.8	2.57	1389893	Drill Core
1389894	11sm15	10.8	11.8	1.00	1389894	Drill Core
1389895	11sm15	11.8	14.1	2.30	1389895	Drill Core
1389896	11sm15	14.1	15.1	1.00	1389896	Drill Core
1389897	11sm15	15.1	16.2	1.10	1389897	Drill Core
1389898	11sm15	16.2	18.37	2.17	1389898	Drill Core
1389899	11sm15	18.37	20.42	2.05	1389899	Drill Core
1389900	11sm15	20.42	23.47	3.05	1389900	Drill Core
1389901	11sm15	23.47	26.52	3.05	1389901	Drill Core
1389902	11sm15	26.52	27.64	1.12	1389902	Drill Core
1389903	11sm15	27.64	30	2.36	1389903	Drill Core
1389904	11sm15	30	31.8	1.80	1389904	Drill Core
1389905	11sm15	blank			1389905	Rock
1389906	11sm15	std12			1389906	Rock Pulp
1389907	11sm15	31.8	32.9	1.10	1389907	Drill Core
1389908	11sm15	32.9	35.66	2.76	1389908	Drill Core
1389909	11sm15	35.66	38.71	3.05	1389909	Drill Core
1389910	11sm15	38.71	41.76	3.05	1389910	Drill Core
1389911	11sm15	41.76	44.81	3.05	1389911	Drill Core
1389912	11sm15	44.81	47.85	3.04	1389912	Drill Core
1389913	11sm15	47.85	49	1.15	1389913	Drill Core
1389914	11sm15	49	50.9	1.90	1389914	Drill Core
1389915	11sm15	50.9	52.1	1.20	1389915	Drill Core
1389916	11sm15	52.1	53.95	1.85	1389916	Drill Core
1389917	11sm15	53.95	57	3.05	1389917	Drill Core
1389918	11sm15	57	60.05	3.05	1389918	Drill Core

TAG #	Hole ID	From	To	width		Type
1389919	11sm15	60.05	63.09	3.04	1389919	Drill Core
1389920	11sm15	63.09	65.44	2.35	1389920	Drill Core
1389921	11sm15	65.44	66.74	1.30	1389921	Drill Core
1389922	11sm15	66.74	68.1	1.36	1389922	Drill Core
1389923	11sm15	68.1	70	1.90	1389923	Drill Core
1389924	11sm15	70	72.24	2.24	1389924	Drill Core
1389925	11sm15	72.24	73.45	1.21	1389925	Drill Core
1389926	11sm15	73.45	75.29	1.84	1389926	Drill Core
1389927	11sm15	75.29	78.33	3.04	1389927	Drill Core
1389928	11sm15	blank			1389928	Rock
1389929	11sm15	std 12			1389929	Rock Pulp
1389930	11sm15	78.33	79.5	1.17	1389930	Drill Core
1389931	11sm15	79.5	81.38	1.88	1389931	Drill Core
1389932	11sm15	81.38	84.43	3.05	1389932	Drill Core
1389933	11sm15	84.43	87.2	2.77	1389933	Drill Core
1389934	11sm15	87.2	89.3	2.10	1389934	Drill Core
1389935	11sm15	89.3	90.53	1.23	1389935	Drill Core
1389936	11sm15	90.53	92.57	2.04	1389936	Drill Core
1389937	11sm15	92.57	93.57	1.00	1389937	Drill Core
1389938	11sm15	93.57	95.1	1.53	1389938	Drill Core
1389939	11sm15	95.1	96.62	1.52	1389939	Drill Core
1389940	11sm15	96.62	97.8	1.18	1389940	Drill Core
1389941	11sm15	97.8	100.1	2.30	1389941	Drill Core
1389942	11sm15	100.1	102	1.90	1389942	Drill Core
1389943	11sm15	102	103.45	1.45	1389943	Drill Core
1389944	11sm15	103.45	104.46	1.01	1389944	Drill Core
1389945	11sm15	104.46	106	1.54	1389945	Drill Core
1389946	11sm15	106	108.1	2.10	1389946	Drill Core
1389947	11sm15	108.1	109.45	1.35	1389947	Drill Core
1389948	11sm15	109.45	110.7	1.25	1389948	Drill Core
1389949	11sm15	110.7	111.86	1.16	1389949	Drill Core
1389950	**11sm16**	1.23	2.98	1.75	1389950	Drill Core
1389951	**11sm16**	2.98	5.18	2.20	1389951	Drill Core
1389952	**11sm16**	5.18	8.23	3.05	1389952	Drill Core
1389953	**11sm16**	8.23	11.28	3.05	1389953	Drill Core
1389954	**11sm16**	11.28	14.33	3.05	1389954	Drill Core
1389955	**11sm16**	14.33	15.85	1.52	1389955	Drill Core
1389956	**11sm16**	15.85	17.17	1.32	1389956	Drill Core
1389957	**11sm16**	17.17	20.42	3.25	1389957	Drill Core
1389958	**11sm16**	20.42	23.47	3.05	1389958	Drill Core
1389959	**11sm16**	23.47	26.52	3.05	1389959	Drill Core
1389960	**11sm16**	26.52	29.57	3.05	1389960	Drill Core
1389961	**11sm16**	29.57	32.61	3.04	1389961	Drill Core
1389962	**11sm16**	32.61	35.66	3.05	1389962	Drill Core
1389963	**11sm16**	35.66	38.71	3.05	1389963	Drill Core
1389964	**11sm16**	38.71	41.76	3.05	1389964	Drill Core
1389965	**11sm16**	41.76	44.81	3.05	1389965	Drill Core
1389966	**11sm16**	44.81	47.85	3.04	1389966	Drill Core
1389967	**11sm16**	47.85	50.9	3.05	1389967	Drill Core
1389968	**11sm16**	50.9	53.95	3.05	1389968	Drill Core
1389969	**11sm16**	53.95	57	3.05	1389969	Drill Core
1389970	**11sm16**	57	60.05	3.05	1389970	Drill Core
1389971	**11sm16**	60.05	63.09	3.04	1389971	Drill Core
1389972	**11sm16**	blank			1389972	Rock

TAG #	Hole ID	From	To	width		Type
1389973	**11sm16**	std 11a			1389973	Rock Pulp
1389974	**11sm16**	63.09	66.14	3.05	1389974	Drill Core
1389975	**11sm16**	66.14	69.19	3.05	1389975	Drill Core
1389976	**11sm16**	69.19	72.24	3.05	1389976	Drill Core
1389977	**11sm16**	72.24	75.29	3.05	1389977	Drill Core
1389978	**11sm16**	75.29	78.33	3.04	1389978	Drill Core
1389979	**11sm16**	78.33	81.38	3.05	1389979	Drill Core
1389980	**11sm16**	81.38	84.43	3.05	1389980	Drill Core
1389981	**11sm16**	84.43	87.48	3.05	1389981	Drill Core
1389982	**11sm16**	87.48	90.53	3.05	1389982	Drill Core
1389983	**11sm16**	90.53	93.57	3.04	1389983	Drill Core
1389984	**11sm16**	93.57	96.62	3.05	1389984	Drill Core
1389985	**11sm16**	96.62	99.67	3.05	1389985	Drill Core
1389986	**11sm16**	99.67	102.72	3.05	1389986	Drill Core
1389987	11sm17	0.55	2.45	1.90	1389987	Drill Core
1389988	11sm17	2.45	4.88	2.43	1389988	Drill Core
1389989	11sm17	4.88	7.92	3.04	1389989	Drill Core
1389990	11sm17	7.92	10.97	3.05	1389990	Drill Core
1389991	11sm17	10.97	14.02	3.05	1389991	Drill Core
1389992	11sm17	14.02	17.07	3.05	1389992	Drill Core
1389993	11sm17	17.07	19.8	2.73	1389993	Drill Core
1389994	11sm17	19.8	21.1	1.30	1389994	Drill Core
1389995	11sm17	21.1	23.16	2.06	1389995	Drill Core
1389996	11sm17	23.16	26.21	3.05	1389996	Drill Core
1389997	11sm17	26.21	29.26	3.05	1389997	Drill Core
1389998	11sm17	29.26	32.31	3.05	1389998	Drill Core
1389999	11sm17	32.31	35.36	3.05	1389999	Drill Core
1390000	11sm17	35.36	38.4	3.04	1390000	Drill Core
1390001	11sm17	38.4	41.45	3.05	1390001	Drill Core
1390002	11sm17	41.45	44.5	3.05	1390002	Drill Core
1390003	11sm17	44.5	47.55	3.05	1390003	Drill Core
1390004	11sm17	47.55	50.6	3.05	1390004	Drill Core
1390005	11sm17	50.6	53.64	3.04	1390005	Drill Core
1390006	11sm17	53.64	56.69	3.05	1390006	Drill Core
1390007	11sm17	56.69	59.74	3.05	1390007	Drill Core
1390008	11sm17	59.74	62.79	3.05	1390008	Drill Core
1390009	11sm17	blank			1390009	Rock
1390010	11sm17	std 12			1390010	Rock Pulp
1390011	11sm17	62.79	65.84	3.05	1390011	Drill Core
1390012	11sm17	65.84	68.88	3.04	1390012	Drill Core
1390013	11sm17	68.88	71.93	3.05	1390013	Drill Core
1390014	11sm17	71.93	74.98	3.05	1390014	Drill Core
1390015	11sm17	74.98	78.03	3.05	1390015	Drill Core
1390016	11sm17	78.03	81.08	3.05	1390016	Drill Core
1390017	11sm17	81.08	84.12	3.04	1390017	Drill Core
1390018	11sm17	84.12	87.17	3.05	1390018	Drill Core
1390019	11sm17	87.17	90.22	3.05	1390019	Drill Core
1390020	11sm17	90.22	93.27	3.05	1390020	Drill Core
1390021	11sm17	93.27	96.32	3.05	1390021	Drill Core
1390022	11sm17	96.32	99.36	3.04	1390022	Drill Core
1390023	11sm17	99.36	102.41	3.05	1390023	Drill Core
1390024	11sm17	102.41	105.46	3.05	1390024	Drill Core
1390025	11sm17	105.46	107	1.54	1390025	Drill Core
1390026	11sm17	107	109	2.00	1390026	Drill Core

TAG #	Hole ID	From	To	width		Type
1390027	11sm17	109	110.5	1.50	1390027	Drill Core
1390028	11sm17	110.5	112.76	2.26	1390028	Drill Core
1390029	11sm17	112.76	114.6	1.84	1390029	Drill Core
1390030	11sm17	114.6	117.65	3.05	1390030	Drill Core
1390031	11sm17	117.65	119.15	1.50	1390031	Drill Core
1390032	11sm17	blank			1390032	Rock
1390033	11sm17	std 11a			1390033	Rock Pulp
1390034	11sm17	119.15	120.7	1.55	1390034	Drill Core
1390035	11sm17	120.7	123.75	3.05	1390035	Drill Core
1390036	11sm17	123.75	126.8	3.05	1390036	Drill Core
1390037	11sm17	126.8	129.84	3.04	1390037	Drill Core
1390038	11sm17	129.84	132.28	2.44	1390038	Drill Core
1390039	11sm17	132.28	134.69	2.41	1390039	Drill Core
1390040	11sm17	134.69	135.94	1.25	1390040	Drill Core
1390041	11sm17	135.94	137.5	1.56	1390041	Drill Core
1390042	11sm17	137.5	138.99	1.49	1390042	Drill Core
1390043	11sm17	138.99	141	2.01	1390043	Drill Core
1390044	11sm17	141	142.1	1.10	1390044	Drill Core
1390045	11sm17	142.1	143.59	1.49	1390045	Drill Core
1390046	11sm17	143.59	145.3	1.71	1390046	Drill Core
1390047	11sm17	145.3	148	2.70	1390047	Drill Core
1390048	11sm17	148	149.7	1.70	1390048	Drill Core
1390049	11sm17	149.7	151.18	1.48	1390049	Drill Core
1390050	11sm17	151.18	153.25	2.07	1390050	Drill Core
1390051	11sm17	153.25	154.6	1.35	1390051	Drill Core
1390052	11sm17	154.6	155.87	1.27	1390052	Drill Core
1390053	11sm17	155.87	157.28	1.41	1390053	Drill Core
1390054	11sm17	157.28	160.32	3.04	1390054	Drill Core
1390055	11sm17	blank			1390055	Rock
1390056	11sm17	std 12			1390056	Rock Pulp
1390057	11sm17	160.32	163.17	2.85	1390057	Drill Core
1390058	11sm17	163.17	164.2	1.03	1390058	Drill Core
1390059	11sm17	164.2	167	2.80	1390059	Drill Core
1390060	11sm17	167	169.58	2.58	1390060	Drill Core
1390061	11sm17	169.58	171	1.42	1390061	Drill Core
1390062	11sm17	171	172.52	1.52	1390062	Drill Core
1390063	11sm17	172.52	174.06	1.54	1390063	Drill Core
1390064	11sm17	174.06	176.2	2.14	1390064	Drill Core
1390065	11sm17	176.2	177.2	1.00	1390065	Drill Core
1390066	11sm17	177.2	178.61	1.41	1390066	Drill Core
1390067	11sm17	178.61	180.1	1.49	1390067	Drill Core
1390068	11sm17	180.1	181.66	1.56	1390068	Drill Core
1390069	11sm17	181.66	183.1	1.44	1390069	Drill Core
1390070	11sm17	183.1	184.71	1.61	1390070	Drill Core
1390071	11sm17	184.71	186.2	1.49	1390071	Drill Core
1390072	11sm17	186.2	187.76	1.56	1390072	Drill Core
1390073	11sm17	187.76	189.1	1.34	1390073	Drill Core
1390074	11sm17	189.1	191.71	2.61	1390074	Drill Core
1390075	11sm17	191.71	193.85	2.14	1390075	Drill Core
1390076	11sm17	193.85	195.35	1.50	1390076	Drill Core
1390077	11sm17	195.35	196.9	1.55	1390077	Drill Core
1390078	11sm17	blank			1390078	Rock
1390079	11sm17	std 11a			1390079	Rock Pulp
1390080	**11sm18**	0.7	2.89	2.19	1390080	Drill Core

TAG #	Hole ID	From	To	width		Type
1390081	**11sm18**	2.89	5.49	2.60	1390081	Drill Core
1390082	**11sm18**	5.49	8.53	3.04	1390082	Drill Core
1390083	**11sm18**	8.53	11.58	3.05	1390083	Drill Core
1390084	**11sm18**	11.58	14.63	3.05	1390084	Drill Core
1390085	**11sm18**	14.63	17.68	3.05	1390085	Drill Core
1390086	**11sm18**	17.68	20.73	3.05	1390086	Drill Core
1390087	**11sm18**	20.73	22.35	1.62	1390087	Drill Core
1390088	**11sm18**	22.35	24.61	2.26	1390088	Drill Core
1390089	**11sm18**	24.61	25.9	1.29	1390089	Drill Core
1390090	**11sm18**	25.9	27.9	2.00	1390090	Drill Core
1390091	**11sm18**	27.9	29.4	1.50	1390091	Drill Core
1390092	**11sm18**	29.4	31.27	1.87	1390092	Drill Core
1390093	**11sm18**	31.27	32.6	1.33	1390093	Drill Core
1390094	**11sm18**	32.6	34.1	1.50	1390094	Drill Core
1390095	**11sm18**	34.1	35.97	1.87	1390095	Drill Core
1390096	**11sm18**	35.97	39.01	3.04	1390096	Drill Core
1390097	**11sm18**	39.01	41.4	2.39	1390097	Drill Core
1390098	**11sm18**	41.4	42.55	1.15	1390098	Drill Core
1390099	**11sm18**	42.55	44.2	1.65	1390099	Drill Core
1390100	**11sm18**	44.2	45.87	1.67	1390100	Drill Core
1390101	**11sm18**	blank			1390101	Rock
1390102	**11sm18**	std 12			1390102	Rock Pulp
1390103	**11sm18**	45.87	48.16	2.29	1390103	Drill Core
1390104	**11sm18**	48.16	51.21	3.05	1390104	Drill Core
1390105	**11sm18**	51.21	54.25	3.04	1390105	Drill Core
1390106	**11sm18**	54.25	56.5	2.25	1390106	Drill Core
1390107	**11sm18**	56.5	57.9	1.40	1390107	Drill Core
1390108	**11sm18**	57.9	60.35	2.45	1390108	Drill Core
1390109	**11sm18**	60.35	63.4	3.05	1390109	Drill Core
1390110	**11sm18**	63.4	66.45	3.05	1390110	Drill Core
1390111	**11sm18**	66.45	69.49	3.04	1390111	Drill Core
1390112	**11sm18**	69.49	72.54	3.05	1390112	Drill Core
1390113	**11sm18**	72.54	75.59	3.05	1390113	Drill Core
1390114	**11sm18**	75.59	77.04	1.45	1390114	Drill Core
1390115	**11sm18**	77.04	78.64	1.60	1390115	Drill Core
1390116	**11sm18**	78.64	81.69	3.05	1390116	Drill Core
1390117	**11sm18**	81.69	84.73	3.04	1390117	Drill Core
1390118	**11sm18**	84.73	86.4	1.67	1390118	Drill Core
1390119	**11sm18**	86.4	88.92	2.52	1390119	Drill Core
1390120	**11sm18**	88.92	90.13	1.21	1390120	Drill Core
1390121	**11sm18**	blank			1390121	Rock
1390122	**11sm18**	std 11a			1390122	Rock Pulp
1390123	**11sm18**	90.13	90.94	0.81	1390123	Drill Core
1390124	**11sm18**	90.94	91.94	1.00	1390124	Drill Core
1390125	**11sm18**	91.94	93.4	1.46	1390125	Drill Core
1390126	**11sm18**	93.4	94.6	1.20	1390126	Drill Core
1390127	**11sm18**	94.6	96.93	2.33	1390127	Drill Core
1390128	**11sm18**	96.93	99.97	3.04	1390128	Drill Core
1390129	**11sm18**	99.97	103.02	3.05	1390129	Drill Core
1390130	**11sm18**	103.02	104.5	1.48	1390130	Drill Core
1390131	**11sm18**	104.5	106.07	1.57	1390131	Drill Core
1390132	**11sm18**	106.07	109.12	3.05	1390132	Drill Core
1390133	**11sm18**	109.12	110.5	1.38	1390133	Drill Core
1390134	**11sm18**	110.5	111.8	1.30	1390134	Drill Core

TAG #	Hole ID	From	To	width		Type
1390135	**11sm18**	111.8	113.4	1.60	1390135	Drill Core
1390136	**11sm18**	113.4	115.21	1.81	1390136	Drill Core
1390137	**11sm18**	115.21	118.25	3.04	1390137	Drill Core
1390138	**11sm18**	118.25	120.1	1.85	1390138	Drill Core
1390139	**11sm18**	120.1	121.31	1.21	1390139	Drill Core
1390140	**11sm18**	121.31	124.36	3.05	1390140	Drill Core
1390141	**11sm18**	124.36	127.41	3.05	1390141	Drill Core
1390142	**11sm18**	127.41	128.9	1.49	1390142	Drill Core
1390143	**11sm18**	128.9	130.45	1.55	1390143	Drill Core
1390144	**11sm18**	130.45	131.65	1.20	1390144	Drill Core
1390145	**11sm18**	131.65	133.5	1.85	1390145	Drill Core
1390146	**11sm18**	blank			1390146	Rock
1390147	**11sm18**	std 12			1390147	Rock Pulp
1390148	**11sm18**	133.5	135	1.50	1390148	Drill Core
1390149	**11sm18**	135	136.55	1.55	1390149	Drill Core
1390150	**11sm18**	136.55	138.14	1.59	1390150	Drill Core
1390151	**11sm18**	138.14	139.6	1.46	1390151	Drill Core
1390152	**11sm18**	139.6	141.1	1.50	1390152	Drill Core
1390153	**11sm18**	141.1	142.65	1.55	1390153	Drill Core
1390154	**11sm18**	142.65	144.15	1.50	1390154	Drill Core
1390155	**11sm18**	144.15	145.69	1.54	1390155	Drill Core
1390156	**11sm18**	145.69	147.2	1.51	1390156	Drill Core
1390157	**11sm18**	147.2	148.74	1.54	1390157	Drill Core
1390158	**11sm18**	148.74	150.35	1.61	1390158	Drill Core
1390159	**11sm18**	150.35	151.79	1.44	1390159	Drill Core
1390160	**11sm18**	151.79	153.3	1.51	1390160	Drill Core
1390161	**11sm18**	153.3	154.84	1.54	1390161	Drill Core
1390162	**11sm18**	154.84	156.35	1.51	1390162	Drill Core
1390163	**11sm18**	156.35	157.89	1.54	1390163	Drill Core
1390164	**11sm18**	157.89	159.38	1.49	1390164	Drill Core
1390165	**11sm18**	159.38	160.93	1.55	1390165	Drill Core
1390166	**11sm18**	160.93	163.98	3.05	1390166	Drill Core
1390167	**11sm18**	163.98	167.03	3.05	1390167	Drill Core
1390168	**11sm18**	167.03	170.08	3.05	1390168	Drill Core
1390169	**11sm18**	170.08	173.13	3.05	1390169	Drill Core
1390170	**11sm18**	173.13	174.6	1.47	1390170	Drill Core
1390171	**11sm18**	blank			1390171	Rock
1390172	**11sm18**	std 11a			1390172	Rock Pulp
1390173	**11sm18**	174.6	176.17	1.57	1390173	Drill Core
1390174	**11sm18**	176.17	179.22	3.05	1390174	Drill Core
1390175	**11sm18**	179.22	182.27	3.05	1390175	Drill Core
1390176	**11sm18**	182.27	185.32	3.05	1390176	Drill Core
1390177	**11sm18**	185.32	188.37	3.05	1390177	Drill Core
1390178	**11sm18**	188.37	189.9	1.53	1390178	Drill Core
1390179	**11sm18**	189.9	191.41	1.51	1390179	Drill Core
1390180	**11sm18**	191.41	192.9	1.49	1390180	Drill Core
1390181	**11sm18**	192.9	194.46	1.56	1390181	Drill Core
1390182	**11sm18**	194.46	196.1	1.64	1390182	Drill Core
1390183	**11sm18**	196.1	197.51	1.41	1390183	Drill Core
1390184	**11sm18**	197.51	199	1.49	1390184	Drill Core
1390185	**11sm18**	199	200.56	1.56	1390185	Drill Core
1390186	**11sm18**	200.56	202	1.44	1390186	Drill Core
1390187	**11sm18**	202	203.61	1.61	1390187	Drill Core
1390188	11sm19	2.43	5.18	2.75	1390188	Drill Core

TAG #	Hole ID	From	To	width		Type
1390189	11sm19	5.18	8.23	3.05	1390189	Drill Core
1390190	11sm19	8.23	11.28	3.05	1390190	Drill Core
1390191	11sm19	11.28	14.33	3.05	1390191	Drill Core
1390192	11sm19	14.33	17.37	3.04	1390192	Drill Core
1390193	11sm19	17.37	20.42	3.05	1390193	Drill Core
1390194	11sm19	20.42	23.47	3.05	1390194	Drill Core
1390195	11sm19	blank			1390195	Rock
1390196	11sm19	std 12			1390196	Rock Pulp
1390197	11sm19	23.47	24.95	1.48	1390197	Drill Core
1390198	11sm19	24.95	26.98	2.03	1390198	Drill Core
1390199	11sm19	26.98	28.20	1.22	1390199	Drill Core
1390200	11sm19	28.20	29.57	1.37	1390200	Drill Core
45277	11sm19	29.57	31.10	1.53	45277	Drill Core
45278	11sm19	31.10	32.61	1.51	45278	Drill Core
45279	11sm19	32.61	35.66	3.05	45279	Drill Core
45280	11sm19	35.66	38.71	3.05	45280	Drill Core
45281	11sm19	38.71	41.76	3.05	45281	Drill Core
45282	11sm19	41.76	43.37	1.61	45282	Drill Core
45283	11sm19	43.37	44.81	1.44	45283	Drill Core
45284	11sm19	44.81	47.85	3.04	45284	Drill Core
45285	11sm19	47.85	50.90	3.05	45285	Drill Core
45286	11sm19	50.90	53.90	3.00	45286	Drill Core
45287	11sm19	53.90	57.00	3.10	45287	Drill Core
45288	11sm19	57.00	58.45	1.45	45288	Drill Core
45289	11sm19	58.45	60.50	2.05	45289	Drill Core
45290	11sm19	60.50	63.09	2.59	45290	Drill Core
45291	11sm19	63.09	66.14	3.05	45291	Drill Core
45292	11sm19	66.14	69.19	3.05	45292	Drill Core
45293	11sm19	69.19	72.24	3.05	45293	Drill Core
45294	11sm19	blank			45294	Rock
45295	11sm19	std 11a			45295	Rock Pulp
45296	11sm19	72.24	75.29	3.05	45296	Drill Core
45297	11sm19	75.29	78.33	3.04	45297	Drill Core
45298	11sm19	78.33	81.38	3.05	45298	Drill Core
45299	11sm19	81.38	84.43	3.05	45299	Drill Core
45300	11sm19	84.43	87.48	3.05	45300	Drill Core
39279	11sm19	87.48	90.53	3.05	39279	Drill Core
39280	11sm19	90.53	93.57	3.04	39280	Drill Core

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

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Client: **Emgold Mining Corp.**
1400 - 570 Granville St.
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Submitted By: Rob Pease
Receiving Lab: Canada-Vancouver
Received: June 14, 2011
Report Date: July 06, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN11002546.1

CLIENT JOB INFORMATION

Project: Stewart
Shipment ID: Stewy 1
P.O. Number
Number of Samples: 7

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	7	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1F02	7	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
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.

ADDITIONAL COMMENTS

Invoice To: Emgold Mining Corp.
1400 - 570 Granville St.
Vancouver BC V6C 3P1
Canada

CC: Perry Grunenberg

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

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1400 - 570 Granville St.
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Project: Stewart
Report Date: July 06, 2011

CERTIFICATE OF ANALYSIS VAN11002546.1

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
11SRD01	Rock	1.81	0.30	267.0	808.7	3225	3055	10.4	16.8	1452	3.84	299.3	0.1	26.8	0.6	336.8	18.68	2.35	0.34	11	6.83
11SRD02	Rock	1.82	0.43	23.91	134.8	487.0	559	7.7	9.1	1042	2.77	30.8	0.4	6.4	2.4	286.1	2.67	0.78	0.33	15	4.49
11SRD03	Rock	1.47	0.51	17.11	47.78	232.4	288	8.2	11.1	808	3.47	13.5	0.6	5.3	2.9	70.9	0.87	1.22	0.29	27	1.27
11SRD04	Rock	0.97	1.82	158.0	12.45	26.9	502	7.2	21.6	299	5.65	1267	0.2	36.9	1.3	141.1	0.05	6.11	0.85	8	1.47
11SRD05	Rock	2.38	17.81	497.5	5.22	13.8	973	37.5	40.8	190	6.85	6.5	0.2	4.7	0.4	139.2	0.08	1.14	2.72	23	1.97
11SRD06	Rock	1.58	15.86	96.85	3.41	53.4	201	47.6	12.1	643	3.45	1.5	0.6	1.7	1.6	204.0	0.09	0.42	0.52	136	6.87
11SRD07	Rock	0.58	117.4	241.7	62.88	884.2	4846	126.3	35.8	942	6.95	92.5	0.9	16.5	1.8	284.9	7.41	3.91	0.73	34	4.91

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Emgold Mining Corp.**
1400 - 570 Granville St.
Vancouver BC V6C 3P1 Canada

Project: Stewart
Report Date: July 06, 2011

CERTIFICATE OF ANALYSIS VAN11002546.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	P	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	0.001	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
11SRD01	Rock	0.026	2.7	0.6	0.94	38.7	<0.001	5	0.18	0.009	0.11	<0.1	1.8	0.08	1.63	28	1.6	0.41	0.5
11SRD02	Rock	0.095	7.2	2.1	0.74	88.2	0.002	6	0.50	0.032	0.30	0.2	3.6	0.17	0.51	12	0.5	0.06	1.4
11SRD03	Rock	0.111	12.4	3.8	1.43	159.7	0.001	3	1.97	0.019	0.30	0.2	3.9	0.20	0.56	<5	1.6	0.11	6.1
11SRD04	Rock	0.047	3.3	1.3	0.38	31.8	<0.001	4	0.29	0.024	0.16	0.3	2.1	0.13	4.74	<5	8.7	1.00	1.0
11SRD05	Rock	0.021	2.1	6.6	0.22	16.5	<0.001	1	0.24	0.003	0.05	37.5	1.1	0.05	4.90	<5	12.2	2.45	0.6
11SRD06	Rock	0.100	5.1	54.3	0.90	79.3	0.065	<1	2.48	0.091	0.12	0.6	5.8	0.05	1.92	<5	3.6	0.57	7.0
11SRD07	Rock	0.123	4.6	11.5	0.63	24.6	<0.001	3	0.43	0.003	0.24	0.9	5.8	0.16	4.99	13	12.8	1.47	0.9

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1400 - 570 Granville St.
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Project: Stewart
Report Date: July 06, 2011

QUALITY CONTROL REPORT VAN11002546.1

	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																					
11SRD04	Rock	0.97	1.82	158.0	12.45	26.9	502	7.2	21.6	299	5.65	1267	0.2	36.9	1.3	141.1	0.05	6.11	0.85	8	1.47
REP 11SRD04	QC		1.83	166.1	13.22	27.0	564	7.2	23.2	309	5.78	1292	0.2	41.0	1.4	152.3	0.05	6.58	0.89	8	1.51
Reference Materials																					
STD DS8	Standard		12.75	110.8	121.4	319.3	1644	38.5	7.4	606	2.49	24.5	2.6	110.2	6.5	62.6	2.20	5.56	5.93	44	0.73
STD DS8	Standard		12.97	107.2	120.5	304.7	1648	37.5	7.2	619	2.46	24.3	2.5	106.4	6.3	62.5	2.16	5.35	5.81	43	0.69
STD DS8	Standard		12.37	104.2	129.8	314.4	1762	37.8	7.5	613	2.45	26.4	2.9	115.0	6.9	72.5	2.09	6.16	7.30	40	0.69
STD DS8	Standard		12.79	106.7	126.9	321.9	1844	36.8	7.0	613	2.51	24.4	2.7	105.2	7.2	72.3	2.48	5.66	7.20	41	0.70
STD DS8 Expected			13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
BLK	Blank		<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
BLK	Blank		<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
Prep Wash																					
G1	Prep Blank	<0.01	0.12	1.76	3.11	48.9	12	3.4	4.2	512	1.86	0.1	1.5	1.5	4.8	52.6	0.02	<0.02	0.03	37	0.43

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Project: Stewart
Report Date: July 06, 2011

QUALITY CONTROL REPORT VAN11002546.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	P	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	0.001	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
Pulp Duplicates																			
11SRD04	Rock	0.047	3.3	1.3	0.38	31.8	<0.001	4	0.29	0.024	0.16	0.3	2.1	0.13	4.74	<5	8.7	1.00	1.0
REP 11SRD04	QC	0.051	3.9	1.2	0.42	33.4	<0.001	4	0.32	0.025	0.17	0.3	2.3	0.15	4.87	<5	9.5	1.17	1.0
Reference Materials																			
STD DS8	Standard	0.089	14.8	117.0	0.61	255.5	0.118	3	0.93	0.087	0.42	2.9	2.2	5.15	0.16	172	5.1	4.96	4.5
STD DS8	Standard	0.087	14.8	118.2	0.60	254.7	0.120	2	0.91	0.087	0.41	2.9	2.2	5.08	0.15	206	5.1	4.89	4.5
STD DS8	Standard	0.075	15.3	112.6	0.61	286.1	0.113	2	0.88	0.083	0.41	3.2	2.3	5.86	0.16	201	6.1	5.42	4.8
STD DS8	Standard	0.078	15.7	113.2	0.62	285.1	0.119	2	0.92	0.085	0.42	3.1	2.5	5.69	0.16	220	5.7	5.18	4.7
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7
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	<5	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1
Prep Wash																			
G1	Prep Blank	0.081	9.2	5.4	0.54	181.5	0.115	2	0.90	0.069	0.45	<0.1	1.9	0.25	<0.02	<5	<0.1	<0.02	4.8

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Emgold Mining Corp.**
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Submitted By: Rob Pease
Receiving Lab: Canada-Vancouver
Received: August 18, 2011
Report Date: September 27, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN11004044.1

CLIENT JOB INFORMATION

Project: Stewart
Shipment ID: Stewy 2
P.O. Number
Number of Samples: 9

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
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
R200-500	9	Crush, split and pulverize 500 g rock to 200 mesh			VAN
1F03	9	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
7KP	1	Phosphoric acid leach, ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Emgold Mining Corp.
PO Box 1836
Grass Valley California 95945
USA

CC: Perry Grunenbery

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.

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: September 27, 2011

CERTIFICATE OF ANALYSIS VAN11004044.1

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
11SRD08	Rock	0.56	10.19	269.3	7.74	56.2	1231	9.4	32.5	669	3.93	15.2	<0.1	35.4	0.2	37.6	2.01	0.06	25.80	87	1.36
11SRD09	Rock	1.24	1.17	104.0	5.10	57.8	179	4.6	11.4	544	3.22	5.1	0.1	1.9	0.3	34.9	0.14	0.10	0.34	126	0.51
11SRD10	Rock	0.86	2.31	51.68	2.32	73.0	60	1.5	6.6	700	3.47	2.4	0.6	0.4	2.1	49.2	0.09	0.09	0.75	67	1.23
11SRD11	Rock	1.62	6.24	27.29	210.3	119.3	1147	2.9	4.4	485	2.52	182.0	<0.1	60.2	0.3	10.4	0.74	1.56	3.45	36	0.11
11SRD12	Rock	0.44	54.85	96.75	8.71	28.8	1030	1.0	3.5	136	2.63	15.7	0.2	2343	0.3	14.3	0.34	0.62	281.8	52	0.08
11SRD13	Rock	0.81	0.31	13.03	3.54	37.1	68	5.9	8.7	472	2.70	21.3	0.1	4.3	0.5	58.0	0.08	0.65	0.73	80	2.79
11SRD14	Rock	1.82	0.82	203.7	2.09	111.8	430	3.1	14.1	152	4.07	3288	<0.1	100.6	0.1	12.4	0.18	3.65	3.57	16	0.18
11SRD15	Rock	1.08	60.13	565.4	24.37	157.1	2494	19.7	37.6	1183	17.89	2325	0.5	97.6	1.1	17.6	0.84	13.73	1.78	42	0.53
11SRD16	Rock	0.96	47.28	398.5	9.60	151.1	1507	15.1	29.0	1057	13.46	78.1	0.4	17.8	1.4	101.7	1.29	2.46	2.25	50	3.54

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: September 27, 2011

CERTIFICATE OF ANALYSIS VAN11004044.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	W
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
11SRD08	Rock	0.065	1.0	6.3	1.01	74.9	0.128	<1	1.32	0.035	0.80	7.6	2.6	0.25	1.31	17	0.6	14.38	4.5	
11SRD09	Rock	0.138	3.0	4.3	0.92	160.0	0.162	1	1.68	0.077	0.74	4.6	5.5	0.34	0.08	7	0.2	0.21	5.8	
11SRD10	Rock	0.115	7.2	7.9	0.92	250.1	0.186	<1	1.82	0.083	0.95	0.2	3.5	0.65	0.23	<5	0.3	0.40	7.3	
11SRD11	Rock	0.033	3.2	2.9	0.78	19.6	0.003	<1	1.12	0.004	0.07	71.4	2.7	0.04	<0.02	<5	0.2	0.44	4.7	
11SRD12	Rock	0.041	1.6	4.2	0.20	56.4	0.050	<1	0.36	0.007	0.10	>100	2.9	0.06	0.04	<5	2.8	29.09	2.5	0.099
11SRD13	Rock	0.043	5.9	12.2	1.11	61.9	0.011	<1	1.54	0.122	0.13	2.3	4.6	0.04	<0.02	<5	0.2	0.12	5.7	
11SRD14	Rock	0.011	0.5	2.0	0.14	3.3	0.011	<1	0.16	0.009	0.01	1.2	0.9	0.11	2.44	<5	1.4	0.52	1.2	
11SRD15	Rock	0.088	2.2	6.2	0.31	27.2	0.042	<1	0.83	0.004	0.19	5.1	3.6	0.88	7.20	90	1.0	0.69	2.4	
11SRD16	Rock	0.101	3.2	5.3	0.69	34.4	0.041	<1	1.26	0.003	0.21	1.1	2.9	0.18	5.69	<5	0.8	0.82	3.1	

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Client: **Emgold Mining Corp.**
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Project: Stewart
Report Date: September 27, 2011

QUALITY CONTROL REPORT VAN11004044.1

	Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	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
Core Reject Duplicates																					
11SRD15	Rock	1.08	60.13	565.4	24.37	157.1	2494	19.7	37.6	1183	17.89	2325	0.5	97.6	1.1	17.6	0.84	13.73	1.78	42	0.53
DUP 11SRD15	QC		59.11	558.6	23.68	160.9	2565	19.5	37.4	1158	17.74	2336	0.5	103.9	1.1	17.4	0.85	13.46	1.77	41	0.52
Reference Materials																					
STD DS8	Standard		12.23	113.3	125.5	315.9	1704	39.1	7.7	602	2.45	26.2	2.7	107.5	6.9	62.5	2.24	5.73	6.69	42	0.69
STD NBLG	Standard																				
STD W107	Standard																				
STD DS8 Expected			13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
STD W107 Expected																					
BLK	Blank		<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
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<0.01	0.11	2.46	3.15	45.6	10	2.7	3.9	551	2.08	<0.1	1.6	<0.2	5.8	58.2	0.01	<0.02	0.02	37	0.45
G1	Prep Blank	<0.01	0.12	2.28	2.85	44.5	10	2.1	3.8	542	2.03	0.1	1.5	<0.2	5.7	57.8	<0.01	<0.02	0.02	37	0.44

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Project: Stewart
Report Date: September 27, 2011

QUALITY CONTROL REPORT VAN11004044.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	W
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
Core Reject Duplicates																				
11SRD15	Rock	0.088	2.2	6.2	0.31	27.2	0.042	<1	0.83	0.004	0.19	5.1	3.6	0.88	7.20	90	1.0	0.69	2.4	
DUP 11SRD15	QC	0.087	2.2	6.0	0.28	25.6	0.041	<1	0.82	0.004	0.19	4.9	3.5	0.87	7.22	99	0.9	0.65	2.5	
Reference Materials																				
STD DS8	Standard	0.082	14.8	117.5	0.61	261.7	0.117	2	0.89	0.081	0.40	3.1	2.1	5.28	0.17	194	4.9	4.68	4.5	
STD NBLG	Standard																			<0.005
STD W107	Standard																			0.381
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	
STD W107 Expected																				0.42
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	<5	<0.1	<0.02	<0.1	
BLK	Blank																			<0.005
Prep Wash																				
G1	Prep Blank	0.074	13.0	4.3	0.49	159.6	0.104	<1	0.86	0.076	0.46	0.2	1.9	0.33	<0.02	<5	<0.1	0.03	4.4	
G1	Prep Blank	0.076	12.5	4.3	0.48	156.8	0.108	<1	0.86	0.080	0.45	0.2	2.0	0.30	<0.02	<5	<0.1	0.04	4.3	

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 08, 2011

QUALITY CONTROL REPORT VAN11004871.1

		1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2
G1	Prep Blank	0.08	0.36	41.4	0.5	<0.05	1.1	4.43	22.2	0.03	<1	0.3	29.2	<10	<2
G1	Prep Blank	0.09	0.37	39.9	0.6	<0.05	1.2	5.08	22.9	<0.02	<1	0.3	29.3	<10	<2

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Submitted By: Rob Pease
Receiving Lab: Canada-Vancouver
Received: August 18, 2011
Report Date: November 09, 2011
Page: 1 of 5

CERTIFICATE OF ANALYSIS VAN11004045.2

CLIENT JOB INFORMATION

Project: Stewart
Shipment ID: Stewy 2
P.O. Number
Number of Samples: 103

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
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
R200-500	99	Crush, split and pulverize 500 g rock to 200 mesh			VAN
1F03	103	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
7KP	7	Phosphoric acid leach, ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : 1F06 full package included.

Invoice To: Emgold Mining Corp.
PO Box 1836
Grass Valley California 95945
USA

CC: Perry Grunenbery

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.

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004045.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389001	Drill Core	5.06	7.30	15.65	6.72	23.6	51	0.7	0.7	179	0.85	3.1	9.5	0.4	13.2	17.3	0.25	0.06	0.10	12	0.08
1389002	Drill Core	7.01	7.10	21.40	4.51	42.6	68	0.6	0.9	264	1.12	2.6	6.4	<0.2	7.0	35.6	0.63	0.08	0.12	25	0.21
1389003	Drill Core	8.43	5.40	22.93	3.58	44.3	69	0.9	1.2	381	1.44	2.6	3.2	<0.2	6.4	44.5	0.62	0.09	0.13	34	0.26
1389004	Drill Core	7.19	2.85	25.28	4.20	37.4	90	0.6	1.0	343	1.23	3.0	8.3	<0.2	11.9	39.9	0.55	0.07	0.13	45	0.27
1389005	Drill Core	6.03	15.31	25.78	4.66	22.5	68	0.7	1.2	354	1.16	2.7	6.9	<0.2	10.5	46.7	0.20	0.06	0.13	30	0.24
1389006	Drill Core	3.53	5.02	44.84	4.37	49.5	117	1.0	1.9	734	1.74	7.2	3.5	7.0	5.7	37.5	0.56	0.45	0.23	32	0.17
1389007	Drill Core	2.82	7.97	42.39	3.35	63.8	108	0.8	1.7	395	1.89	3.3	3.6	0.2	5.3	45.9	0.83	0.15	0.18	51	0.27
1389008	Drill Core	6.55	5.24	26.08	3.47	80.5	69	1.2	1.3	362	1.03	2.9	8.4	<0.2	11.7	38.6	1.26	0.05	0.11	38	0.28
1389009	Drill Core	4.32	9.09	16.14	4.30	24.9	39	0.9	0.8	211	0.80	2.2	10.0	<0.2	12.3	32.8	0.31	0.03	0.08	12	0.16
1389010	Drill Core	4.12	29.25	24.88	4.05	13.9	54	1.5	1.4	472	1.11	2.7	11.1	0.3	16.4	35.5	0.11	0.03	0.14	46	0.47
1389011	Drill Core	4.20	11.66	14.83	3.13	15.4	47	1.4	1.2	203	0.86	2.6	5.9	<0.2	8.8	45.1	0.12	0.02	0.08	15	0.33
1389012	Drill Core	7.52	37.56	28.93	3.46	29.2	68	1.5	1.7	356	1.22	5.8	6.2	<0.2	10.8	75.3	0.33	0.13	0.26	23	0.45
1389013	Rock	0.30	<0.01	1.00	1.30	6.1	9	1.7	0.8	227	0.49	4.0	0.5	<0.2	<0.1	39.4	0.02	<0.02	<0.02	<2	21.31
1389014	Rock Pulp	0.05	350.5	3319	21.74	55.7	1787	29.6	8.5	412	3.13	13.7	0.3	805.5	1.1	35.4	0.51	3.43	0.55	55	0.65
1389015	Drill Core	6.53	35.85	37.50	3.63	15.7	113	0.9	1.4	270	1.27	2.1	4.6	1.7	6.3	61.2	0.10	0.09	0.31	22	0.43
1389016	Drill Core	3.79	4.73	36.91	4.38	20.7	96	1.0	1.6	462	1.71	7.5	3.8	2.6	7.3	51.9	0.09	0.29	0.25	42	0.38
1389017	Drill Core	5.35	6.38	27.20	4.54	26.2	95	1.0	1.5	431	1.27	4.6	5.2	2.7	9.9	50.3	0.25	0.20	0.22	25	0.40
1389018	Drill Core	3.74	67.25	32.78	3.62	20.9	83	1.0	1.5	463	1.28	2.8	5.1	3.3	7.8	67.2	0.18	0.15	0.24	32	0.65
1389019	Drill Core	4.19	28.62	57.25	3.22	33.5	93	0.4	2.0	2147	2.59	3.3	6.7	2.2	9.5	67.3	0.59	0.13	0.34	317	1.97
1389020	Drill Core	8.07	71.76	41.75	5.39	21.8	158	1.2	2.1	489	1.47	10.3	2.7	4.8	6.0	96.3	0.17	0.38	0.91	18	0.89
1389021	Drill Core	6.33	19.05	27.09	7.21	32.6	272	0.7	1.5	341	1.07	21.0	4.1	6.4	9.4	70.7	0.48	0.41	0.38	11	0.37
1389022	Drill Core	7.02	28.83	25.10	7.28	21.9	207	1.0	1.7	516	1.10	22.0	4.3	3.5	7.3	146.7	0.21	0.59	0.44	16	1.16
1389023	Drill Core	6.15	81.30	22.45	8.51	21.1	159	0.8	1.7	358	0.98	5.7	5.4	5.9	8.4	109.5	0.23	0.40	0.36	11	0.88
1389024	Drill Core	3.93	2.23	21.59	9.77	54.1	76	12.2	19.0	877	4.03	3.8	1.0	8.4	2.9	319.7	0.04	0.91	0.10	72	4.42
1389025	Drill Core	6.47	86.94	36.99	6.23	19.4	121	0.6	2.3	493	1.35	15.0	6.3	3.0	10.6	179.9	0.13	0.76	0.58	20	1.24
1389026	Drill Core	8.14	98.60	24.44	7.63	19.6	154	0.7	1.6	402	1.06	5.8	7.0	1.2	10.4	148.1	0.19	0.36	0.43	14	1.06
1389027	Drill Core	7.72	72.83	22.48	4.48	15.6	103	0.7	1.5	410	1.07	4.9	5.1	2.1	7.8	104.6	0.18	0.22	0.38	21	0.84
1389028	Drill Core	7.48	53.67	32.14	37.20	23.8	1706	0.7	1.5	427	1.19	12.4	4.4	12.8	8.3	139.2	0.33	1.23	6.37	21	0.86
1389029	Drill Core	8.02	149.9	25.28	6.90	12.3	265	0.8	1.7	409	1.11	4.3	6.0	2.5	8.2	130.4	0.17	0.46	14.57	18	1.03
1389030	Drill Core	7.99	38.41	24.19	10.86	267.7	311	0.9	1.7	614	1.19	15.9	4.1	18.4	8.1	182.8	5.32	0.55	0.65	25	1.29

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004045.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389001	Drill Core	0.006	8.7	2.0	0.02	29.7	0.015	<1	0.20	0.050	0.08	9.1	0.2	0.02	0.15	<5	0.3	<0.02	1.1	0.21	<0.1
1389002	Drill Core	0.022	12.4	2.1	0.07	24.7	0.040	<1	0.23	0.056	0.07	12.9	0.4	0.02	0.28	<5	0.5	<0.02	1.3	0.15	<0.1
1389003	Drill Core	0.030	15.7	2.6	0.08	83.5	0.050	1	0.29	0.066	0.07	6.7	0.7	<0.02	0.28	<5	0.4	0.04	1.5	0.37	<0.1
1389004	Drill Core	0.021	11.8	2.0	0.06	52.4	0.042	<1	0.23	0.056	0.08	2.3	0.5	<0.02	0.37	<5	0.4	<0.02	1.5	0.17	0.2
1389005	Drill Core	0.022	13.8	2.4	0.09	35.8	0.039	<1	0.28	0.058	0.09	6.1	0.7	0.02	0.33	<5	0.5	0.03	1.4	0.27	<0.1
1389006	Drill Core	0.033	16.0	3.8	0.21	114.4	0.024	1	0.63	0.046	0.08	11.7	1.2	0.03	0.10	<5	0.4	0.04	2.6	0.84	<0.1
1389007	Drill Core	0.039	16.0	2.9	0.14	89.2	0.058	1	0.32	0.065	0.06	22.3	0.8	<0.02	0.47	<5	0.6	<0.02	2.0	0.44	<0.1
1389008	Drill Core	0.022	14.9	2.3	0.08	31.7	0.052	<1	0.26	0.057	0.07	12.9	0.6	<0.02	0.28	<5	0.4	<0.02	1.6	0.18	0.2
1389009	Drill Core	0.016	13.5	2.0	0.05	18.7	0.039	<1	0.20	0.060	0.11	7.8	0.4	<0.02	0.18	<5	0.3	<0.02	1.1	0.09	<0.1
1389010	Drill Core	0.018	14.2	2.1	0.06	17.9	0.045	<1	0.22	0.049	0.08	5.9	0.4	0.02	0.37	<5	0.6	<0.02	1.6	0.13	0.1
1389011	Drill Core	0.029	15.4	1.9	0.06	20.5	0.056	<1	0.19	0.062	0.06	0.6	0.4	<0.02	0.26	6	0.3	<0.02	1.0	0.09	<0.1
1389012	Drill Core	0.037	18.6	2.3	0.12	31.8	0.056	1	0.27	0.059	0.08	4.3	0.7	0.03	0.32	<5	0.5	0.04	1.4	0.43	<0.1
1389013	Rock	0.016	<0.5	0.7	11.20	8.1	<0.001	<1	<0.01	0.002	<0.01	<0.1	0.1	<0.02	<0.02	<5	0.4	<0.02	<0.1	0.04	<0.1
1389014	Rock Pulp	0.047	5.4	31.0	0.34	111.6	0.115	4	1.20	0.082	0.11	0.8	3.7	0.08	0.39	75	1.1	0.15	4.3	0.37	<0.1
1389015	Drill Core	0.028	12.9	1.8	0.10	26.5	0.039	<1	0.23	0.057	0.07	16.7	0.5	<0.02	0.47	<5	0.5	<0.02	1.2	0.30	<0.1
1389016	Drill Core	0.039	17.4	2.1	0.11	34.1	0.045	1	0.36	0.046	0.09	2.8	0.7	0.02	0.31	<5	0.4	0.03	1.9	0.41	<0.1
1389017	Drill Core	0.031	16.1	1.8	0.13	30.3	0.035	2	0.31	0.047	0.09	3.6	0.7	0.02	0.30	<5	0.4	0.02	1.5	0.34	<0.1
1389018	Drill Core	0.034	18.8	2.1	0.16	28.2	0.056	1	0.31	0.055	0.07	1.2	0.7	<0.02	0.39	8	0.6	<0.02	1.7	0.36	0.1
1389019	Drill Core	0.017	9.1	1.7	0.09	19.9	0.063	<1	0.46	0.032	0.12	40.2	0.7	0.03	0.76	<5	1.0	0.04	4.3	0.44	1.1
1389020	Drill Core	0.034	18.4	1.7	0.19	44.1	0.026	2	0.40	0.046	0.11	17.1	0.9	0.05	0.50	<5	0.7	0.09	1.6	0.60	<0.1
1389021	Drill Core	0.019	16.2	1.2	0.09	47.7	0.004	2	0.31	0.031	0.14	3.1	0.6	0.05	0.20	<5	0.3	0.02	1.2	0.51	<0.1
1389022	Drill Core	0.029	17.0	1.5	0.18	41.4	0.019	2	0.32	0.042	0.15	2.2	0.9	0.05	0.36	<5	0.4	0.02	1.4	0.62	<0.1
1389023	Drill Core	0.023	13.5	1.4	0.16	34.9	0.007	1	0.36	0.035	0.14	0.8	0.8	0.06	0.39	<5	0.5	<0.02	1.5	0.69	<0.1
1389024	Drill Core	0.301	21.3	40.1	2.09	421.5	0.040	2	1.74	0.027	0.43	0.2	9.9	0.16	0.39	<5	0.2	<0.02	5.1	4.14	<0.1
1389025	Drill Core	0.028	19.0	1.6	0.18	63.6	0.018	2	0.30	0.046	0.13	2.1	1.0	0.05	0.49	<5	0.7	0.03	1.6	0.76	<0.1
1389026	Drill Core	0.022	14.5	1.7	0.13	46.8	0.016	2	0.31	0.044	0.13	1.1	0.7	0.05	0.38	<5	0.5	0.06	1.6	0.51	<0.1
1389027	Drill Core	0.029	17.2	1.7	0.15	47.2	0.037	<1	0.30	0.053	0.11	1.5	0.6	0.03	0.36	<5	0.4	0.04	1.6	0.47	<0.1
1389028	Drill Core	0.018	13.1	1.3	0.11	50.3	0.012	2	0.26	0.029	0.16	19.3	0.5	0.05	0.45	<5	0.5	0.23	1.3	0.41	<0.1
1389029	Drill Core	0.029	15.8	1.5	0.13	42.9	0.024	<1	0.28	0.043	0.14	>100	<0.1	0.06	0.46	<5	0.6	0.21	1.3	0.52	<0.1
1389030	Drill Core	0.020	11.9	1.6	0.13	120.3	0.008	3	0.34	0.032	0.14	8.2	0.7	0.06	0.43	<5	0.3	<0.02	1.9	0.53	<0.1

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PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004045.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1389001	Drill Core	0.11	0.71	3.4	0.3	<0.05	2.5	2.76	12.3	<0.02	2	0.2	2.7	<10	<2	
1389002	Drill Core	0.11	1.19	3.2	0.4	<0.05	1.9	3.95	18.0	<0.02	1	0.2	5.4	<10	<2	
1389003	Drill Core	0.09	0.93	2.4	0.4	<0.05	1.8	5.29	23.2	<0.02	<1	0.3	5.5	<10	<2	
1389004	Drill Core	0.15	1.36	2.9	0.6	<0.05	2.8	5.08	17.8	<0.02	2	0.2	5.6	<10	<2	
1389005	Drill Core	0.11	0.92	3.1	0.4	<0.05	2.1	4.71	20.7	<0.02	10	0.3	4.9	<10	<2	
1389006	Drill Core	0.06	0.18	5.6	0.4	<0.05	1.1	5.98	25.4	0.02	1	0.7	9.7	<10	<2	
1389007	Drill Core	0.10	0.79	2.3	0.4	<0.05	1.7	6.09	24.8	<0.02	1	0.4	5.7	<10	<2	
1389008	Drill Core	0.19	1.63	2.5	0.5	<0.05	3.5	5.38	22.1	<0.02	6	0.4	5.0	<10	<2	
1389009	Drill Core	0.19	1.64	3.4	0.3	<0.05	3.7	4.11	19.9	<0.02	8	0.4	4.3	<10	<2	
1389010	Drill Core	0.28	2.09	3.2	0.8	<0.05	5.7	7.99	20.7	<0.02	18	0.2	5.6	<10	<2	
1389011	Drill Core	0.15	1.94	1.7	0.3	<0.05	3.0	5.10	23.4	<0.02	4	0.2	4.2	<10	<2	
1389012	Drill Core	0.13	1.23	4.1	0.4	<0.05	2.3	6.56	29.8	<0.02	15	0.3	5.7	<10	<2	
1389013	Rock	<0.02	<0.02	0.2	<0.1	<0.05	<0.1	0.61	0.7	<0.02	<1	<0.1	0.5	<10	<2	
1389014	Rock Pulp	0.21	0.12	4.1	1.9	<0.05	5.4	7.44	10.5	0.03	281	0.1	8.5	<10	<2	
1389015	Drill Core	0.07	0.83	2.7	0.3	<0.05	1.4	4.63	21.0	<0.02	14	0.2	3.5	<10	<2	
1389016	Drill Core	0.08	0.53	3.4	0.4	<0.05	1.7	7.76	28.8	<0.02	6	0.5	4.6	<10	<2	
1389017	Drill Core	0.11	0.59	3.7	0.3	<0.05	2.0	5.86	25.8	<0.02	8	0.5	3.5	<10	<2	
1389018	Drill Core	0.14	1.33	2.7	0.5	<0.05	2.5	6.77	28.8	<0.02	19	0.4	3.8	<10	<2	
1389019	Drill Core	0.48	1.37	4.9	3.4	<0.05	7.3	12.08	14.9	0.05	16	0.3	4.5	<10	<2	
1389020	Drill Core	0.06	0.38	5.5	0.2	<0.05	1.1	6.55	28.6	<0.02	44	0.5	4.8	<10	<2	
1389021	Drill Core	0.07	0.13	5.9	0.1	<0.05	1.1	4.37	24.8	<0.02	12	0.3	3.1	<10	<2	
1389022	Drill Core	0.06	0.43	7.7	0.2	<0.05	1.6	6.06	27.4	<0.02	15	0.4	3.5	<10	<2	
1389023	Drill Core	0.06	0.18	6.9	0.2	<0.05	1.4	4.77	21.8	<0.02	36	0.4	4.0	<10	<2	
1389024	Drill Core	0.11	<0.02	23.5	0.3	<0.05	3.8	8.71	45.4	0.03	4	2.0	35.2	<10	<2	
1389025	Drill Core	0.09	0.50	7.8	0.2	<0.05	1.5	6.55	29.9	<0.02	37	0.4	3.9	<10	<2	
1389026	Drill Core	0.08	0.48	6.8	0.2	<0.05	2.1	4.79	22.8	<0.02	50	0.4	3.1	<10	<2	
1389027	Drill Core	0.10	0.88	5.5	0.3	<0.05	1.8	5.21	26.5	<0.02	40	0.4	3.5	<10	<2	
1389028	Drill Core	0.10	0.36	7.3	0.3	<0.05	1.3	4.40	20.8	<0.02	20	0.3	2.6	<10	<2	
1389029	Drill Core	0.06	0.63	8.3	0.3	<0.05	1.4	5.09	25.0	<0.02	73	0.2	3.7	<10	<2	0.035
1389030	Drill Core	0.06	0.19	6.1	0.2	<0.05	1.2	5.91	19.9	<0.02	15	0.4	4.5	<10	<2	

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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004045.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389031	Drill Core	8.17	34.11	37.04	5.35	18.1	168	1.2	2.0	484	1.37	2.2	5.1	6.2	7.9	100.0	0.16	0.28	4.53	28	1.06
1389032	Drill Core	9.08	26.10	37.22	12.15	16.3	814	1.3	2.4	440	1.42	0.6	4.0	2.8	6.5	98.1	0.17	0.34	9.35	27	1.18
1389033	Drill Core	3.99	171.4	41.05	11.95	16.1	410	1.1	2.9	574	1.59	1.4	7.0	1.7	8.8	145.7	0.25	0.27	2.35	24	1.46
1389034	Drill Core	4.29	48.11	30.89	3.12	14.2	75	1.5	2.0	393	1.21	0.7	3.1	1.5	6.4	97.5	0.07	0.08	0.41	23	0.94
1389035	Rock	0.32	0.09	1.93	1.09	17.3	6	2.1	0.6	255	0.47	2.4	0.4	0.3	<0.1	42.3	0.07	0.04	<0.02	<2	21.61
1389036	Rock Pulp	0.05	882.4	8548	45.48	161.5	3861	37.8	19.3	505	4.19	33.2	0.6	597.7	1.5	43.7	1.23	6.35	1.43	100	0.93
1389037	Drill Core	6.33	58.05	42.83	2.86	21.8	81	2.0	2.1	380	1.43	0.5	2.6	2.4	5.3	83.2	0.20	0.11	0.46	32	0.85
1389038	Drill Core	2.15	326.9	52.47	4.45	29.2	156	7.3	4.5	426	1.59	0.5	3.2	4.8	5.1	95.6	0.36	0.19	1.35	29	1.32
1389039	Drill Core	3.61	487.4	57.28	6.14	9.9	239	2.1	3.6	399	1.60	0.3	3.5	6.6	6.5	144.5	<0.01	0.26	4.17	15	1.28
1389040	Drill Core	4.07	290.4	46.98	16.97	12.6	563	1.8	3.2	595	1.53	4.5	4.6	2.7	5.8	168.8	0.10	0.40	2.33	11	1.54
1389041	Drill Core	8.11	62.27	31.21	11.37	26.6	201	1.9	2.4	543	1.22	15.9	4.3	1.6	8.3	143.7	0.36	0.46	0.72	12	1.32
1389042	Drill Core	3.89	254.5	45.31	13.55	25.1	418	1.2	2.6	698	1.54	12.3	3.3	4.3	5.3	188.5	0.16	0.82	0.77	20	1.57
1389043	Drill Core	4.05	36.02	48.62	16.63	36.5	657	3.0	3.2	768	1.51	162.6	3.3	17.8	6.0	240.2	0.72	2.93	0.85	9	1.61
1389044	Drill Core	8.23	11.18	37.99	10.14	27.1	230	2.7	2.7	767	1.49	159.1	4.2	7.2	8.7	274.4	0.39	1.94	0.44	12	1.84
1389045	Drill Core	7.97	25.39	65.44	375.4	52.5	13623	2.9	3.5	812	1.68	190.3	3.1	267.2	5.2	318.8	1.32	17.34	90.80	8	1.97
1389046	Drill Core	4.48	18.89	48.27	9.06	46.7	474	1.7	2.5	592	1.64	196.9	3.5	32.4	5.1	234.2	0.91	1.67	0.67	16	1.66
1389047	Drill Core	3.88	99.33	72.49	11.87	38.8	359	3.3	4.4	654	2.16	3.8	2.9	3.6	5.3	191.2	0.72	0.56	1.13	15	1.90
1389048	Drill Core	4.07	37.69	40.81	7.11	19.3	183	2.4	2.6	564	1.38	1.5	4.7	3.6	6.7	157.8	0.31	0.24	0.60	21	1.58
1389049	Drill Core	3.89	60.22	51.40	7.80	20.1	190	5.1	3.6	807	1.56	1.1	3.5	3.6	5.4	165.9	0.24	0.24	0.89	26	2.45
1389050	Drill Core	4.18	48.92	64.30	4.21	31.3	147	9.4	5.2	602	1.99	<0.1	2.8	6.7	4.7	127.3	0.33	0.25	1.06	39	1.87
1389051	Drill Core	4.01	113.0	45.22	6.60	17.7	203	3.0	3.8	520	1.78	0.2	2.4	1.8	4.5	144.1	0.19	0.09	0.76	22	1.45
1389052	Drill Core	3.18	33.46	48.97	7.79	25.6	259	3.6	3.0	709	1.64	14.3	3.0	14.4	4.8	208.3	0.45	0.16	0.73	19	1.82
1389053	Drill Core	2.98	25.09	59.66	6.37	67.3	251	5.1	3.3	551	1.75	1.5	3.6	21.0	5.7	160.7	1.37	0.23	0.86	28	1.34
1389054	Drill Core	6.27	115.0	84.50	4.65	53.9	211	16.4	7.5	726	2.45	1.0	2.9	13.0	4.5	140.8	0.25	0.14	1.54	52	2.25
1389055	Drill Core	5.57	80.62	99.80	39.84	74.7	2778	14.7	6.4	851	2.85	8.7	3.2	74.8	5.9	163.1	1.63	2.78	7.96	35	1.98
1389056	Rock	0.30	0.43	2.58	1.37	14.4	6	0.7	0.8	355	0.57	0.1	0.7	1.0	0.2	38.5	0.07	<0.02	0.04	<2	21.50
1389057	Rock Pulp	0.04	351.0	3356	21.18	53.7	1749	27.2	7.7	432	3.05	13.7	0.3	802.8	1.0	32.6	0.40	3.34	0.55	48	0.58
1389058	Drill Core	3.56	64.17	52.46	11.66	57.5	762	5.7	4.2	620	2.00	14.1	2.9	195.4	4.7	216.5	1.18	2.33	1.33	15	1.49
1389059	Drill Core	8.14	59.22	45.50	4.53	17.9	134	5.2	3.4	539	1.52	5.3	2.7	11.2	4.4	135.6	0.08	0.65	0.80	32	1.50
1389060	Drill Core	8.37	180.0	53.36	5.01	15.4	156	6.8	4.0	583	1.78	1.0	3.8	8.7	6.0	147.9	0.08	0.08	1.05	30	1.56

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CERTIFICATE OF ANALYSIS VAN11004045.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389031	Drill Core	0.031	19.3	1.8	0.20	42.1	0.040	<1	0.36	0.049	0.12	7.0	0.7	0.05	0.55	<5	0.7	0.13	2.1	0.44	<0.1
1389032	Drill Core	0.048	18.1	1.8	0.18	33.1	0.054	<1	0.33	0.054	0.12	16.3	0.6	0.07	0.62	<5	0.6	0.46	1.8	0.67	<0.1
1389033	Drill Core	0.045	17.7	1.7	0.20	35.8	0.037	1	0.36	0.040	0.19	5.9	0.8	0.09	0.76	<5	0.7	0.23	1.7	0.76	<0.1
1389034	Drill Core	0.062	19.1	1.9	0.14	37.3	0.071	<1	0.29	0.068	0.10	1.3	0.5	0.03	0.43	<5	0.7	0.08	1.5	0.40	<0.1
1389035	Rock	0.019	<0.5	<0.5	11.43	16.8	<0.001	<1	0.02	0.002	<0.01	0.2	0.1	<0.02	<0.02	<5	0.2	0.05	<0.1	0.08	<0.1
1389036	Rock Pulp	0.089	7.6	58.5	1.00	72.6	0.140	3	1.60	0.099	0.52	14.6	7.6	0.39	1.89	111	4.7	0.59	5.6	2.17	<0.1
1389037	Drill Core	0.064	19.2	2.1	0.16	35.1	0.075	<1	0.32	0.071	0.08	12.8	0.6	<0.02	0.49	<5	0.5	0.06	1.8	0.43	<0.1
1389038	Drill Core	0.041	13.1	7.0	0.29	34.6	0.041	<1	0.35	0.036	0.17	2.4	1.3	0.11	0.70	<5	1.1	0.09	1.7	1.09	<0.1
1389039	Drill Core	0.039	17.3	1.9	0.19	44.7	0.024	<1	0.31	0.038	0.20	1.2	0.8	0.12	0.82	5	1.1	0.30	1.5	0.85	<0.1
1389040	Drill Core	0.035	13.0	1.4	0.17	69.3	0.009	2	0.40	0.023	0.23	16.1	0.8	0.11	0.76	<5	0.9	0.15	1.5	0.67	<0.1
1389041	Drill Core	0.036	18.6	1.3	0.19	208.0	0.014	<1	0.40	0.032	0.16	13.5	1.0	0.06	0.42	<5	0.6	0.06	1.6	0.55	<0.1
1389042	Drill Core	0.046	20.1	1.2	0.21	63.4	0.020	<1	0.41	0.039	0.15	1.6	1.1	0.05	0.62	<5	0.7	0.06	2.0	0.62	<0.1
1389043	Drill Core	0.042	18.5	1.0	0.19	54.9	0.003	3	0.41	0.028	0.21	2.4	1.1	0.08	0.53	<5	0.6	0.08	1.4	0.85	<0.1
1389044	Drill Core	0.041	19.3	2.0	0.23	47.4	0.004	2	0.34	0.034	0.20	4.5	1.4	0.08	0.54	5	0.7	0.09	1.4	0.87	<0.1
1389045	Drill Core	0.035	12.7	2.1	0.24	48.4	0.001	3	0.30	0.024	0.22	8.2	1.3	0.10	0.83	<5	2.8	1.23	1.2	0.96	<0.1
1389046	Drill Core	0.041	12.8	1.8	0.20	82.6	0.013	2	0.29	0.034	0.16	0.6	1.2	0.06	0.66	<5	0.7	0.11	1.4	0.71	<0.1
1389047	Drill Core	0.036	17.1	1.4	0.22	45.9	0.013	<1	0.40	0.034	0.23	27.3	1.1	0.11	1.15	<5	1.5	0.12	1.8	0.89	<0.1
1389048	Drill Core	0.034	17.3	2.1	0.19	54.6	0.024	<1	0.32	0.029	0.19	0.6	0.9	0.10	0.58	<5	0.6	0.10	1.5	0.80	<0.1
1389049	Drill Core	0.040	12.8	8.3	0.30	45.7	0.025	<1	0.38	0.029	0.25	2.2	1.4	0.16	0.72	<5	0.9	0.08	1.8	1.51	<0.1
1389050	Drill Core	0.052	12.7	13.9	0.39	48.2	0.042	<1	0.45	0.043	0.22	>100	1.8	0.15	0.89	*	1.2	0.11	2.1	1.56	<0.1
1389051	Drill Core	0.040	16.2	1.9	0.22	47.7	0.038	<1	0.34	0.040	0.21	9.6	0.9	0.11	0.83	<5	0.9	0.10	1.7	1.09	<0.1
1389052	Drill Core	0.039	14.7	3.7	0.25	37.0	0.019	<1	0.35	0.029	0.24	3.5	1.2	0.14	0.89	<5	0.9	0.08	1.7	1.32	<0.1
1389053	Drill Core	0.043	12.9	7.0	0.29	47.7	0.037	<1	0.35	0.038	0.19	8.8	1.4	0.09	0.71	<5	0.8	0.06	1.7	1.10	<0.1
1389054	Drill Core	0.063	12.7	20.2	0.49	38.5	0.039	<1	0.53	0.036	0.26	9.4	2.5	0.23	1.15	11	1.8	0.09	2.7	2.46	0.1
1389055	Drill Core	0.054	7.1	12.3	0.35	39.6	0.025	<1	0.39	0.019	0.25	76.3	1.7	0.15	1.57	<5	2.3	0.30	1.9	1.35	<0.1
1389056	Rock	0.021	1.5	0.5	11.32	29.5	0.002	<1	0.06	0.002	0.04	<0.1	0.2	0.02	<0.02	7	0.6	0.03	0.3	0.87	<0.1
1389057	Rock Pulp	0.053	5.0	29.1	0.54	113.8	0.095	5	1.20	0.084	0.10	0.9	3.5	0.08	0.39	76	1.1	0.17	4.3	0.39	<0.1
1389058	Drill Core	0.044	13.4	3.7	0.27	43.4	0.006	2	0.29	0.027	0.21	>100	1.3	0.10	1.04	<5	1.0	<0.02	1.3	1.14	<0.1
1389059	Drill Core	0.045	14.1	6.7	0.31	39.1	0.030	<1	0.35	0.034	0.22	>100	1.4	0.17	0.68	<5	0.8	0.11	1.9	1.70	<0.1
1389060	Drill Core	0.048	14.7	7.3	0.33	40.0	0.026	<1	0.35	0.035	0.22	15.9	1.5	0.16	0.80	<5	1.1	0.09	1.9	1.65	<0.1

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Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1389031	Drill Core	0.09	0.93	5.8	0.5	<0.05	1.7	6.48	30.7	<0.02	17	0.4	7.0	<10	<2	
1389032	Drill Core	0.09	1.35	8.7	0.4	<0.05	1.9	7.22	30.8	<0.02	12	0.2	5.7	<10	<2	
1389033	Drill Core	0.10	1.01	12.9	0.4	<0.05	1.8	8.14	32.1	<0.02	99	0.2	5.4	<10	<2	
1389034	Drill Core	0.16	1.66	6.0	0.5	<0.05	2.5	7.51	32.9	<0.02	23	0.2	4.0	<10	<2	
1389035	Rock	<0.02	0.02	0.5	<0.1	<0.05	<0.1	0.58	0.7	<0.02	<1	<0.1	0.7	<10	<2	
1389036	Rock Pulp	0.15	0.08	27.1	1.7	<0.05	4.7	9.99	15.3	<0.02	779	0.2	8.8	*	<2	
1389037	Drill Core	0.14	1.56	4.3	0.5	<0.05	2.2	7.43	31.9	<0.02	46	0.4	4.5	<10	<2	
1389038	Drill Core	0.07	0.70	14.8	0.3	<0.05	1.5	4.96	21.7	<0.02	223	0.3	9.5	*	<2	
1389039	Drill Core	0.08	0.59	14.9	0.3	<0.05	1.8	5.34	27.9	<0.02	252	0.3	6.9	*	<2	
1389040	Drill Core	0.08	0.16	15.3	0.3	<0.05	1.3	4.61	21.1	<0.02	167	0.4	6.0	*	<2	
1389041	Drill Core	0.09	0.21	9.3	0.2	<0.05	1.4	6.02	30.0	<0.02	45	0.4	6.4	<10	<2	
1389042	Drill Core	0.10	0.36	8.2	0.3	<0.05	1.3	7.56	33.9	<0.02	106	0.4	7.1	*	<2	
1389043	Drill Core	0.03	0.05	10.8	0.2	<0.05	1.0	7.42	31.1	<0.02	26	0.6	4.4	<10	<2	
1389044	Drill Core	0.08	0.08	11.7	0.2	<0.05	1.2	6.40	29.5	<0.02	11	0.5	4.1	<10	<2	
1389045	Drill Core	0.04	0.03	12.0	0.2	<0.05	0.9	5.51	19.3	<0.02	15	0.4	3.4	<10	<2	
1389046	Drill Core	0.06	0.31	9.5	0.2	<0.05	1.2	5.79	23.1	<0.02	15	0.3	4.0	<10	<2	
1389047	Drill Core	0.06	0.33	16.9	0.4	<0.05	1.3	6.56	28.6	<0.02	43	0.3	7.0	<10	<2	
1389048	Drill Core	0.11	0.62	13.9	0.5	<0.05	2.0	5.25	26.3	<0.02	15	0.3	6.2	<10	<2	
1389049	Drill Core	0.10	0.39	22.0	0.4	<0.05	1.6	5.17	20.6	<0.02	26	0.3	9.9	<10	<2	
1389050	Drill Core	0.08	0.92	19.3	0.3	<0.05	1.7	5.94	20.3	<0.02	26	0.3	11.3	<10	<2	0.077
1389051	Drill Core	0.11	0.96	16.4	0.4	<0.05	1.9	5.42	27.0	<0.02	66	0.1	7.5	<10	<2	
1389052	Drill Core	0.07	0.52	19.6	0.5	<0.05	1.8	5.42	24.0	<0.02	20	0.2	8.7	<10	<2	
1389053	Drill Core	0.11	0.68	14.6	0.4	<0.05	2.0	6.13	23.3	0.02	14	0.5	7.9	<10	<2	
1389054	Drill Core	0.09	0.39	27.5	0.9	<0.05	2.1	5.97	21.8	0.03	65	0.3	15.5	14	<2	
1389055	Drill Core	0.07	0.21	21.1	0.7	<0.05	3.2	5.17	12.4	<0.02	45	0.2	10.6	<10	<2	
1389056	Rock	<0.02	0.15	4.1	0.1	<0.05	<0.1	0.98	1.6	<0.02	<1	<0.1	1.2	<10	<2	
1389057	Rock Pulp	0.25	0.10	4.3	2.0	<0.05	7.7	6.92	11.0	<0.02	278	<0.1	9.1	66	<2	
1389058	Drill Core	0.03	0.13	14.6	0.3	<0.05	1.2	5.11	23.5	<0.02	37	<0.1	5.8	14	<2	0.012
1389059	Drill Core	0.07	0.50	20.0	0.3	<0.05	1.7	5.92	25.6	<0.02	32	0.2	10.9	<10	<2	0.010
1389060	Drill Core	0.10	0.54	20.0	0.3	<0.05	2.0	6.08	27.2	<0.02	71	0.2	10.4	19	<2	

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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004045.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389061	Drill Core	8.06	386.2	53.61	8.47	22.1	340	5.6	4.3	576	1.71	5.9	4.0	8.8	5.3	177.4	0.21	0.47	1.39	25	1.47
1389062	Drill Core	7.19	323.9	46.20	15.26	38.9	620	2.9	3.6	724	1.66	20.3	3.0	11.6	4.7	200.4	0.83	1.40	1.97	12	1.16
1389063	Drill Core	7.90	226.8	40.43	14.16	18.7	462	1.3	2.0	680	1.23	12.1	4.9	4.5	6.9	164.8	0.38	0.55	2.00	9	0.93
1389064	Drill Core	3.96	373.8	123.4	606.3	107.1	33739	1.7	5.9	339	3.57	46.1	6.0	1149	8.2	137.5	3.20	14.74	102.4	4	0.39
1389065	Drill Core	3.93	112.0	57.52	18.98	17.8	814	1.1	2.9	434	2.09	21.3	6.9	35.3	9.6	117.7	0.22	1.02	1.71	22	0.75
1389066	Drill Core	8.24	76.26	53.16	4.30	15.5	134	1.0	3.3	384	1.75	1.7	3.4	4.4	6.9	140.4	0.13	0.21	0.77	32	1.06
1389067	Drill Core	2.66	83.73	50.52	5.61	16.9	241	1.3	2.9	526	1.84	8.5	2.3	6.0	5.1	202.4	0.07	0.99	0.88	28	1.32
1389068	Drill Core	6.02	61.84	53.27	7.15	26.8	151	0.9	2.4	395	1.56	7.2	3.1	4.5	6.1	168.9	0.36	0.37	0.61	25	0.99
1389069	Drill Core	7.86	71.12	48.12	6.37	17.1	188	1.0	2.5	381	1.64	3.5	3.9	2.0	6.9	210.3	0.10	0.33	0.65	19	1.12
1389070	Drill Core	8.07	8.79	31.44	4.44	15.8	91	0.9	1.2	407	1.31	1.8	5.8	2.0	8.6	177.9	0.12	0.16	0.32	26	0.94
1389071	Drill Core	8.04	13.89	36.59	4.43	13.3	87	0.9	1.4	308	1.29	2.6	5.9	1.8	10.1	105.8	0.08	0.23	0.36	22	0.72
1389072	Drill Core	8.61	18.31	34.13	3.54	14.4	80	0.8	1.2	370	1.27	0.3	4.3	1.2	7.6	94.6	0.10	0.08	0.29	27	0.79
1389073	Drill Core	8.21	4.31	21.47	3.08	22.5	76	1.0	1.0	316	1.17	0.5	3.4	<0.2	6.4	74.2	0.26	0.08	0.13	31	0.56
1389074	Drill Core	7.74	73.81	16.54	4.63	153.6	80	0.6	0.9	337	1.16	1.1	3.7	0.7	6.8	107.2	3.44	0.06	0.22	32	0.74
1389075	Drill Core	8.18	134.6	61.61	8.02	34.9	537	1.4	2.1	673	2.28	23.9	5.2	12.7	7.2	158.7	0.33	1.35	0.63	37	1.40
1389076	Drill Core	7.72	11.75	26.98	5.06	62.7	444	1.0	1.7	651	1.56	9.2	4.8	162.4	7.9	188.2	1.16	0.42	0.76	36	1.20
1389077	Drill Core	7.19	3.36	25.32	3.56	78.6	85	0.9	1.3	461	1.44	1.1	4.2	4.4	5.9	125.5	1.55	0.24	0.33	35	1.05
1389078	Drill Core	8.67	28.79	25.30	9.92	48.8	171	0.7	1.3	492	1.34	3.3	4.3	2.6	6.6	205.9	0.59	0.27	0.48	25	1.33
1389079	Drill Core	8.39	1.51	29.22	7.33	31.5	136	0.9	1.1	419	1.30	1.0	4.1	0.8	7.1	123.7	0.34	0.13	0.15	26	1.00
1389080	Rock	0.26	0.19	0.75	0.95	12.4	5	1.8	0.5	221	0.43	2.8	0.6	1.0	<0.1	37.8	0.05	<0.02	0.03	<2	21.59
1389081	Rock Pulp	0.04	914.4	8204	39.42	138.7	3389	32.9	16.4	465	3.99	30.3	0.5	539.8	1.3	38.1	0.75	5.29	1.28	90	0.81
1389082	Drill Core	7.67	16.07	31.74	2.76	62.2	94	0.9	1.1	446	1.40	<0.1	4.5	4.1	5.8	99.1	1.10	0.08	1.40	41	0.90
1389083	Drill Core	8.28	4.17	33.37	4.08	54.8	121	0.9	1.4	426	1.49	0.9	3.1	10.7	6.4	105.9	1.03	0.12	5.19	32	1.00
1389084	Drill Core	7.81	3.28	18.46	2.62	19.4	63	0.8	1.1	314	1.25	<0.1	2.7	1.0	5.0	77.8	0.20	0.04	0.31	36	0.72
1389085	Drill Core	8.24	36.62	32.11	2.74	32.7	85	0.9	1.1	312	1.27	0.1	4.5	2.2	4.5	60.4	0.60	0.02	0.17	38	0.65
1389086	Drill Core	7.89	6.57	13.97	2.26	15.6	49	0.8	0.8	204	1.10	<0.1	3.6	0.6	4.2	58.0	0.11	<0.02	0.08	31	0.39
1389087	Drill Core	7.66	99.44	20.60	6.83	51.1	284	0.7	1.0	283	1.19	1.8	4.0	10.0	5.9	151.8	0.85	0.41	0.89	25	0.86
1389088	Drill Core	7.93	8.22	36.32	3.53	119.0	107	0.8	1.2	388	1.40	2.1	2.7	2.6	5.2	127.5	2.43	0.14	0.35	28	1.02
1389089	Drill Core	7.52	4.42	14.04	2.94	26.6	54	0.4	1.0	310	1.15	0.5	3.3	2.1	6.3	119.9	0.34	0.10	0.17	28	0.78
1389090	Drill Core	6.26	64.73	11.61	3.99	28.5	46	0.4	1.0	398	1.19	0.7	4.1	1.2	6.8	186.1	0.27	0.12	0.12	27	1.02

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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004045.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389061	Drill Core	0.047	14.2	6.5	0.24	54.0	0.024	<1	0.33	0.037	0.22	19.0	1.3	0.13	0.87	<5	1.3	0.06	1.6	1.34	<0.1
1389062	Drill Core	0.036	12.4	3.1	0.17	66.0	0.007	2	0.24	0.023	0.17	9.6	1.0	0.08	0.80	<5	1.2	0.16	1.0	0.64	<0.1
1389063	Drill Core	0.029	12.0	1.6	0.13	57.9	0.005	<1	0.20	0.020	0.20	17.6	0.6	0.09	0.61	<5	0.7	0.07	0.8	0.56	<0.1
1389064	Drill Core	0.025	7.2	1.4	0.07	53.5	0.001	2	0.18	0.012	0.21	4.2	0.3	0.12	2.38	<5	3.8	2.91	0.7	0.42	<0.1
1389065	Drill Core	0.029	12.0	1.4	0.08	51.5	0.020	<1	0.23	0.037	0.14	3.8	0.5	0.05	1.11	<5	1.2	0.15	1.4	0.37	<0.1
1389066	Drill Core	0.035	18.7	1.8	0.15	39.9	0.036	<1	0.29	0.058	0.14	4.8	0.7	0.06	0.79	5	1.0	0.06	1.8	0.78	<0.1
1389067	Drill Core	0.037	17.0	1.9	0.18	42.4	0.024	2	0.28	0.048	0.11	4.4	0.9	0.06	0.80	12	0.9	0.04	1.7	0.93	<0.1
1389068	Drill Core	0.032	16.8	1.4	0.13	43.6	0.027	<1	0.24	0.048	0.12	3.3	0.6	0.04	0.73	16	1.0	0.03	1.4	0.73	<0.1
1389069	Drill Core	0.031	15.9	1.4	0.12	54.1	0.018	<1	0.28	0.049	0.15	2.7	0.6	0.06	0.72	<5	0.9	0.02	1.5	0.79	<0.1
1389070	Drill Core	0.033	14.7	1.4	0.11	82.4	0.028	<1	0.25	0.057	0.09	5.3	0.6	0.02	0.47	<5	0.6	<0.02	1.6	0.55	<0.1
1389071	Drill Core	0.025	13.1	1.3	0.09	51.0	0.021	<1	0.20	0.047	0.09	3.3	0.5	0.03	0.53	<5	0.6	0.06	1.3	0.61	<0.1
1389072	Drill Core	0.030	18.2	1.4	0.10	44.1	0.043	<1	0.27	0.069	0.10	6.5	0.5	0.03	0.48	9	0.5	<0.02	1.6	0.36	<0.1
1389073	Drill Core	0.036	18.3	1.6	0.07	46.9	0.054	<1	0.25	0.075	0.08	8.5	0.3	<0.02	0.37	10	0.3	<0.02	1.6	0.22	0.1
1389074	Drill Core	0.031	16.9	1.6	0.08	82.5	0.045	<1	0.26	0.065	0.09	17.4	0.4	<0.02	0.37	18	0.3	<0.02	1.7	0.31	0.1
1389075	Drill Core	0.039	19.0	1.6	0.16	88.9	0.045	1	0.37	0.057	0.09	30.0	0.9	0.09	1.23	<5	1.6	0.03	2.3	0.56	0.1
1389076	Drill Core	0.030	20.9	1.7	0.17	46.0	0.036	<1	0.31	0.053	0.10	29.5	0.9	0.03	0.53	<5	0.3	0.04	1.8	0.73	<0.1
1389077	Drill Core	0.034	16.9	1.5	0.12	74.2	0.035	<1	0.28	0.055	0.08	6.4	0.7	0.02	0.53	<5	0.4	0.04	1.8	0.58	<0.1
1389078	Drill Core	0.038	17.0	1.3	0.12	201.2	0.021	<1	0.31	0.054	0.12	6.7	0.7	0.04	0.48	13	0.5	0.04	1.8	0.81	<0.1
1389079	Drill Core	0.035	15.4	1.9	0.09	167.2	0.033	<1	0.26	0.061	0.09	1.4	0.5	0.03	0.45	<5	0.4	<0.02	1.5	0.52	<0.1
1389080	Rock	0.015	<0.5	<0.5	10.66	8.8	<0.001	<1	0.01	0.002	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	0.03	<0.1	0.07	<0.1
1389081	Rock Pulp	0.076	7.0	52.4	0.94	65.8	0.116	3	1.58	0.097	0.50	13.6	6.7	0.36	1.74	99	4.9	0.60	5.4	2.06	0.1
1389082	Drill Core	0.039	16.0	1.7	0.10	49.5	0.049	<1	0.29	0.067	0.08	4.6	0.5	<0.02	0.51	<5	0.6	0.09	1.8	0.35	0.1
1389083	Drill Core	0.037	16.2	2.0	0.14	79.6	0.039	<1	0.29	0.063	0.08	8.1	0.6	0.03	0.52	12	0.5	0.35	1.8	0.54	<0.1
1389084	Drill Core	0.041	13.9	1.7	0.09	59.3	0.051	<1	0.28	0.090	0.08	0.4	0.4	<0.02	0.36	19	<0.1	0.04	1.8	0.22	0.1
1389085	Drill Core	0.047	14.4	1.7	0.06	33.7	0.059	<1	0.25	0.071	0.09	2.9	0.3	<0.02	0.47	<5	0.4	<0.02	1.5	0.15	0.2
1389086	Drill Core	0.032	11.6	1.7	0.05	37.3	0.048	<1	0.21	0.078	0.07	0.2	0.2	<0.02	0.29	<5	<0.1	<0.02	1.3	0.11	<0.1
1389087	Drill Core	0.032	11.9	1.5	0.07	54.8	0.029	1	0.24	0.059	0.09	>100	0.4	0.05	0.40	131	0.2	0.06	1.4	0.32	<0.1
1389088	Drill Core	0.038	14.1	1.1	0.11	72.8	0.032	<1	0.32	0.066	0.10	53.0	0.5	0.03	0.53	18	0.8	0.04	1.7	0.56	<0.1
1389089	Drill Core	0.037	16.3	1.5	0.10	93.5	0.041	<1	0.26	0.050	0.06	11.3	0.5	<0.02	0.31	<5	0.3	0.02	1.5	0.32	<0.1
1389090	Drill Core	0.033	17.8	1.4	0.12	258.3	0.028	<1	0.28	0.048	0.09	0.6	0.6	0.03	0.28	<5	0.3	0.02	1.5	0.66	<0.1

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Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1389061	Drill Core	0.09	0.54	18.1	0.3	<0.05	1.9	6.02	24.8	<0.02	164	0.5	8.5	45	<2	
1389062	Drill Core	0.07	0.15	10.0	0.2	<0.05	1.2	4.91	21.5	<0.02	174	0.1	3.5	44	<2	
1389063	Drill Core	0.04	0.14	12.6	0.2	<0.05	1.3	4.48	21.4	<0.02	103	<0.1	2.6	12	<2	
1389064	Drill Core	0.05	0.05	11.5	0.2	<0.05	1.2	2.48	12.9	<0.02	167	<0.1	1.8	53	<2	
1389065	Drill Core	0.10	0.63	6.9	0.4	<0.05	2.3	4.14	20.7	<0.02	48	0.1	2.8	12	<2	
1389066	Drill Core	0.14	0.99	8.3	0.3	<0.05	2.2	6.18	33.0	<0.02	70	<0.1	4.2	<10	<2	
1389067	Drill Core	0.09	0.60	6.5	0.2	<0.05	1.6	5.77	30.2	<0.02	45	0.1	3.6	*	<2	
1389068	Drill Core	0.10	0.81	6.2	0.3	<0.05	1.9	5.91	29.9	<0.02	29	0.2	3.3	*	<2	
1389069	Drill Core	0.10	0.47	8.1	0.2	<0.05	1.7	6.02	29.8	<0.02	26	0.3	4.8	*	<2	
1389070	Drill Core	0.12	0.63	3.6	0.3	<0.05	2.0	5.50	27.4	<0.02	2	0.4	3.7	<10	<2	
1389071	Drill Core	0.10	0.56	4.1	0.2	<0.05	1.5	4.42	23.3	<0.02	3	0.5	3.1	<10	<2	
1389072	Drill Core	0.13	1.03	4.0	0.4	<0.05	2.1	5.27	30.3	<0.02	18	0.3	5.8	<10	<2	
1389073	Drill Core	0.17	1.35	2.3	0.4	<0.05	2.6	5.25	31.8	<0.02	16	<0.1	4.5	<10	<2	
1389074	Drill Core	0.16	1.23	2.7	0.4	<0.05	2.4	5.48	28.3	<0.02	20	<0.1	5.4	<10	<2	
1389075	Drill Core	0.14	1.12	4.0	0.4	<0.05	2.7	7.30	33.5	<0.02	29	0.3	7.8	<10	<2	
1389076	Drill Core	0.11	0.78	4.2	0.5	<0.05	1.9	6.95	36.1	0.02	9	0.5	4.0	<10	<2	
1389077	Drill Core	0.16	0.92	3.6	0.4	<0.05	2.1	6.81	32.4	<0.02	<1	0.4	5.1	<10	<2	
1389078	Drill Core	0.09	0.53	5.2	0.3	<0.05	1.5	7.21	32.3	<0.02	10	0.3	4.6	<10	<2	
1389079	Drill Core	0.11	0.82	3.5	0.3	<0.05	2.0	5.96	26.8	<0.02	<1	0.2	4.6	<10	<2	
1389080	Rock	<0.02	0.02	0.4	<0.1	<0.05	<0.1	0.62	0.8	<0.02	3	<0.1	0.4	<10	<2	
1389081	Rock Pulp	0.17	0.08	26.8	1.5	<0.05	4.7	9.47	15.7	<0.02	834	<0.1	8.3	114	<2	
1389082	Drill Core	0.13	1.41	3.1	0.4	<0.05	2.5	6.27	29.3	<0.02	6	0.3	5.3	<10	<2	
1389083	Drill Core	0.12	0.78	3.5	0.4	<0.05	1.8	6.53	30.1	<0.02	5	0.1	6.2	<10	<2	
1389084	Drill Core	0.12	1.24	2.4	0.4	<0.05	2.4	5.60	25.2	<0.02	5	<0.1	6.2	<10	<2	
1389085	Drill Core	0.19	2.06	2.9	0.5	<0.05	2.5	5.63	26.8	<0.02	18	0.1	7.5	<10	<2	
1389086	Drill Core	0.09	1.35	1.9	0.5	<0.05	2.0	4.27	20.4	<0.02	4	<0.1	5.5	<10	<2	
1389087	Drill Core	0.09	0.31	3.5	0.3	<0.05	1.9	4.84	21.9	<0.02	26	0.2	4.2	<10	<2	0.223
1389088	Drill Core	0.09	0.77	4.4	0.3	<0.05	1.6	5.71	26.0	0.03	3	0.3	4.8	<10	<2	
1389089	Drill Core	0.11	1.14	2.8	0.3	<0.05	1.9	5.54	23.9	0.02	3	0.3	3.4	<10	<2	
1389090	Drill Core	0.11	0.70	4.1	0.3	<0.05	1.8	5.95	27.1	<0.02	13	0.1	2.4	15	<2	

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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004045.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389091	Drill Core	3.93	0.88	23.27	4.77	19.1	88	0.5	1.2	466	1.52	1.1	3.6	7.6	6.7	154.3	0.14	0.15	0.42	41	1.01
1389092	Drill Core	2.45	21.85	53.25	32.57	150.8	607	0.4	1.3	454	1.80	4.6	2.5	620.2	3.9	156.9	1.97	0.33	46.93	19	1.31
1389093	Drill Core	5.16	1.63	28.37	3.00	72.9	70	0.3	1.1	315	1.31	0.3	3.7	<0.2	5.8	101.6	1.46	0.03	0.28	33	0.74
1389094	Drill Core	4.58	0.36	12.77	2.49	35.7	46	0.4	0.8	316	1.26	0.6	3.4	1.0	5.7	115.4	0.62	0.08	0.24	36	0.70
1389095	Drill Core	2.92	3.70	36.60	6.56	66.3	134	0.3	1.4	519	1.41	3.8	4.8	1.7	7.8	163.1	1.32	0.28	0.46	21	1.62
1389096	Drill Core	2.66	22.75	36.72	28.65	103.2	387	0.5	1.6	392	1.50	5.5	3.7	44.3	6.0	145.8	1.50	0.21	12.64	24	1.11
1389097	Drill Core	5.91	0.68	5.10	1.85	23.7	20	0.4	0.9	236	1.34	0.1	3.0	1.2	6.8	97.8	0.28	<0.02	0.21	44	0.43
1389098	Drill Core	4.09	1.47	15.29	2.20	38.9	45	0.3	1.0	300	1.36	0.2	3.0	<0.2	4.9	103.3	0.62	0.03	0.13	39	0.50
1389099	Drill Core	7.85	5.91	12.93	2.19	26.0	42	0.2	1.1	321	1.34	<0.1	3.5	0.7	6.1	116.9	0.30	0.03	0.06	39	0.70
1389100	Drill Core	7.70	2.71	14.23	2.60	31.4	41	0.3	1.0	359	1.19	0.3	3.8	<0.2	6.7	148.2	0.58	0.05	0.09	39	0.81
1389101	Drill Core	3.68	0.15	12.26	6.08	27.7	132	6.7	1.8	980	1.78	4.7	2.8	2.1	5.3	371.1	0.20	0.22	0.09	23	2.36
1389102	Drill Core	2.11	0.48	26.52	9.35	74.3	97	434.6	43.1	1236	4.85	5.6	0.4	0.9	2.7	1343	0.14	0.67	0.05	81	6.82
1389103	Drill Core	2.07	0.30	8.39	3.15	19.2	52	4.3	1.5	402	1.32	0.9	3.5	0.9	4.5	314.3	0.19	0.16	0.04	40	1.02

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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004045.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389091	Drill Core	0.039	15.6	1.4	0.10	86.2	0.046	1	0.32	0.047	0.07	1.7	0.6	0.03	0.50	<5	0.5	<0.02	1.9	0.43	0.2
1389092	Drill Core	0.032	11.7	1.4	0.11	84.2	0.013	1	0.34	0.029	0.09	>100	0.6	0.04	0.84	*	1.0	1.31	1.5	0.62	<0.1
1389093	Drill Core	0.049	14.7	1.4	0.10	29.2	0.061	<1	0.26	0.045	0.05	7.6	0.3	<0.02	0.49	<5	0.6	<0.02	1.5	0.21	<0.1
1389094	Drill Core	0.044	15.2	1.5	0.08	42.0	0.058	<1	0.26	0.053	0.05	3.1	0.3	<0.02	0.27	<5	0.3	<0.02	1.6	0.21	0.1
1389095	Drill Core	0.038	15.5	1.1	0.14	77.6	0.017	<1	0.37	0.038	0.10	>100	0.9	0.04	0.54	<5	0.5	0.03	1.8	0.80	<0.1
1389096	Drill Core	0.037	16.0	1.3	0.11	66.7	0.028	<1	0.31	0.040	0.08	73.8	0.5	0.03	0.58	<5	0.7	0.87	1.6	0.52	<0.1
1389097	Drill Core	0.045	15.2	1.6	0.07	38.0	0.060	<1	0.22	0.054	0.04	0.5	0.2	<0.02	0.15	<5	0.1	<0.02	1.5	0.09	<0.1
1389098	Drill Core	0.040	16.3	1.4	0.09	39.1	0.063	<1	0.24	0.054	0.04	3.0	0.3	<0.02	0.28	<5	0.2	0.04	1.6	0.13	0.1
1389099	Drill Core	0.039	16.8	1.7	0.09	54.8	0.060	1	0.26	0.049	0.05	0.3	0.4	<0.02	0.33	<5	0.3	<0.02	1.6	0.22	0.1
1389100	Drill Core	0.041	17.7	1.2	0.11	129.8	0.059	<1	0.29	0.055	0.07	2.6	0.4	<0.02	0.30	<5	0.3	<0.02	1.7	0.24	<0.1
1389101	Drill Core	0.037	16.6	1.3	0.62	228.7	0.014	1	0.31	0.036	0.12	0.2	1.0	0.05	0.43	<5	0.2	0.02	1.4	1.24	<0.1
1389102	Drill Core	0.222	23.2	168.1	6.68	327.5	0.040	3	3.22	0.005	0.39	0.4	14.2	0.11	0.19	<5	0.2	0.08	7.7	2.94	<0.1
1389103	Drill Core	0.043	15.4	2.9	0.23	247.0	0.044	<1	0.29	0.042	0.06	0.1	0.8	<0.02	0.31	<5	0.1	<0.02	1.7	0.48	<0.1

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Project: Stewart
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CERTIFICATE OF ANALYSIS VAN11004045.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1389091	Drill Core	0.13	1.44	4.4	0.5	<0.05	2.3	6.55	25.0	<0.02	<1	0.1	3.5	<10	<2	
1389092	Drill Core	0.05	0.38	5.5	0.2	<0.05	0.9	5.57	19.7	<0.02	10	0.1	5.2	<10	<2	0.026
1389093	Drill Core	0.16	2.21	2.7	0.4	<0.05	2.4	6.13	24.3	<0.02	2	<0.1	5.5	<10	<2	
1389094	Drill Core	0.14	1.72	2.4	0.4	<0.05	2.0	6.17	24.3	<0.02	<1	0.2	3.8	<10	<2	
1389095	Drill Core	0.05	0.38	5.8	0.2	<0.05	1.4	7.29	25.3	<0.02	<1	0.6	6.4	<10	<2	0.014
1389096	Drill Core	0.10	0.61	4.9	0.3	<0.05	1.5	6.16	25.0	<0.02	6	<0.1	4.2	<10	<2	
1389097	Drill Core	0.14	1.39	1.6	0.4	<0.05	2.1	5.41	23.7	<0.02	3	0.1	3.8	<10	<2	
1389098	Drill Core	0.13	1.52	1.7	0.4	<0.05	2.3	5.44	24.5	<0.02	2	0.4	4.9	<10	<2	
1389099	Drill Core	0.13	1.71	1.8	0.4	<0.05	2.2	5.83	25.4	<0.02	4	0.2	4.6	<10	<2	
1389100	Drill Core	0.12	1.48	3.0	0.5	<0.05	2.4	6.08	26.6	<0.02	<1	0.2	4.7	<10	<2	
1389101	Drill Core	0.06	0.36	6.1	0.2	<0.05	1.2	7.27	26.4	<0.02	2	0.2	2.8	<10	<2	
1389102	Drill Core	0.07	0.03	15.1	0.3	<0.05	2.5	9.87	42.7	0.03	<1	2.5	107.1	<10	<2	
1389103	Drill Core	0.11	0.82	2.8	0.4	<0.05	2.3	6.03	24.1	<0.02	4	0.3	4.7	<10	<2	

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QUALITY CONTROL REPORT VAN11004045.2

	Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	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																					
1389009	Drill Core	4.32	9.09	16.14	4.30	24.9	39	0.9	0.8	211	0.80	2.2	10.0	<0.2	12.3	32.8	0.31	0.03	0.08	12	0.16
REP 1389009	QC		9.34	15.42	4.28	25.1	38	0.8	0.8	203	0.80	2.2	10.0	<0.2	13.0	33.1	0.30	0.03	0.08	13	0.15
1389017	Drill Core	5.35	6.38	27.20	4.54	26.2	95	1.0	1.5	431	1.27	4.6	5.2	2.7	9.9	50.3	0.25	0.20	0.22	25	0.40
REP 1389017	QC		6.18	26.30	4.43	25.9	47	1.1	1.5	426	1.27	4.5	5.0	4.0	9.8	49.9	0.26	0.20	0.21	25	0.39
1389038	Drill Core	2.15	326.9	52.47	4.45	29.2	156	7.3	4.5	426	1.59	0.5	3.2	4.8	5.1	95.6	0.36	0.19	1.35	29	1.32
REP 1389038	QC		326.7	50.43	3.93	27.7	158	7.0	4.1	411	1.57	0.3	3.1	4.8	5.1	89.9	0.35	0.20	1.34	29	1.32
1389058	Drill Core	3.56	64.17	52.46	11.66	57.5	762	5.7	4.2	620	2.00	14.1	2.9	195.4	4.7	216.5	1.18	2.33	1.33	15	1.49
REP 1389058	QC																				
1389069	Drill Core	7.86	71.12	48.12	6.37	17.1	188	1.0	2.5	381	1.64	3.5	3.9	2.0	6.9	210.3	0.10	0.33	0.65	19	1.12
REP 1389069	QC		67.43	44.47	6.06	16.6	159	0.8	2.4	371	1.59	3.1	4.1	1.6	6.6	203.4	0.10	0.32	0.64	18	1.15
1389072	Drill Core	8.61	18.31	34.13	3.54	14.4	80	0.8	1.2	370	1.27	0.3	4.3	1.2	7.6	94.6	0.10	0.08	0.29	27	0.79
REP 1389072	QC		20.08	36.54	3.64	15.7	86	0.9	1.2	408	1.29	0.6	4.6	2.6	7.9	100.7	0.13	0.10	0.30	28	0.82
1389095	Drill Core	2.92	3.70	36.60	6.56	66.3	134	0.3	1.4	519	1.41	3.8	4.8	1.7	7.8	163.1	1.32	0.28	0.46	21	1.62
REP 1389095	QC																				
Core Reject Duplicates																					
1389030	Drill Core	7.99	38.41	24.19	10.86	267.7	311	0.9	1.7	614	1.19	15.9	4.1	18.4	8.1	182.8	5.32	0.55	0.65	25	1.29
DUP 1389030	QC		43.00	23.65	10.99	231.4	285	0.7	1.7	575	1.19	17.0	4.4	15.9	8.5	187.5	4.74	0.58	0.60	24	1.28
1389065	Drill Core	3.93	112.0	57.52	18.98	17.8	814	1.1	2.9	434	2.09	21.3	6.9	35.3	9.6	117.7	0.22	1.02	1.71	22	0.75
DUP 1389065	QC		110.5	59.95	21.26	15.7	893	1.3	3.0	423	2.14	27.6	7.3	47.1	9.7	111.3	0.16	1.07	2.12	21	0.71
1389100	Drill Core	7.70	2.71	14.23	2.60	31.4	41	0.3	1.0	359	1.19	0.3	3.8	<0.2	6.7	148.2	0.58	0.05	0.09	39	0.81
DUP 1389100	QC		3.12	13.44	2.52	32.6	42	0.4	1.0	347	1.15	0.3	4.1	0.5	6.7	147.4	0.49	0.05	0.08	38	0.78
Reference Materials																					
STD DS8	Standard		13.76	112.3	140.5	321.4	1824	37.5	7.5	618	2.52	27.5	3.2	117.3	8.2	79.9	2.43	6.70	7.86	43	0.76
STD DS8	Standard		12.23	113.3	125.5	315.9	1704	39.1	7.7	602	2.45	26.2	2.7	107.5	6.9	62.5	2.24	5.73	6.69	42	0.69
STD DS8	Standard		12.82	95.24	128.9	308.5	1779	36.3	7.1	610	2.42	26.4	2.9	118.6	7.1	67.3	2.42	5.40	6.69	41	0.71
STD DS8	Standard		13.86	110.8	126.0	313.2	1749	37.8	7.6	644	2.42	25.3	2.7	113.2	7.2	65.3	2.48	5.01	6.89	40	0.74
STD DS8	Standard		13.49	106.6	124.1	302.2	1818	38.2	7.6	604	2.52	25.1	2.8	112.9	6.7	68.5	2.23	5.56	6.84	47	0.74
STD NBLG	Standard																				

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

QUALITY CONTROL REPORT VAN11004045.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
Pulp Duplicates																					
1389009	Drill Core	0.016	13.5	2.0	0.05	18.7	0.039	<1	0.20	0.060	0.11	7.8	0.4	<0.02	0.18	<5	0.3	<0.02	1.1	0.09	<0.1
REP 1389009	QC	0.016	13.5	2.1	0.05	18.5	0.039	1	0.20	0.060	0.11	7.7	0.3	<0.02	0.18	5	0.4	<0.02	1.0	0.10	<0.1
1389017	Drill Core	0.031	16.1	1.8	0.13	30.3	0.035	2	0.31	0.047	0.09	3.6	0.7	0.02	0.30	<5	0.4	0.02	1.5	0.34	<0.1
REP 1389017	QC	0.030	16.4	1.8	0.12	31.2	0.035	2	0.31	0.048	0.09	3.5	0.6	0.02	0.30	<5	0.5	0.02	1.5	0.34	<0.1
1389038	Drill Core	0.041	13.1	7.0	0.29	34.6	0.041	<1	0.35	0.036	0.17	2.4	1.3	0.11	0.70	<5	1.1	0.09	1.7	1.09	<0.1
REP 1389038	QC	0.042	12.8	7.0	0.29	32.9	0.041	<1	0.36	0.036	0.17	2.5	1.4	0.11	0.71	<5	1.1	0.09	1.8	1.07	<0.1
1389058	Drill Core	0.044	13.4	3.7	0.27	43.4	0.006	2	0.29	0.027	0.21	>100	1.3	0.10	1.04	<5	1.0	<0.02	1.3	1.14	<0.1
REP 1389058	QC																				
1389069	Drill Core	0.031	15.9	1.4	0.12	54.1	0.018	<1	0.28	0.049	0.15	2.7	0.6	0.06	0.72	<5	0.9	0.02	1.5	0.79	<0.1
REP 1389069	QC	0.030	15.6	1.5	0.12	54.4	0.017	<1	0.28	0.047	0.14	2.5	0.6	0.05	0.73	17	1.0	0.05	1.5	0.77	<0.1
1389072	Drill Core	0.030	18.2	1.4	0.10	44.1	0.043	<1	0.27	0.069	0.10	6.5	0.5	0.03	0.48	9	0.5	<0.02	1.6	0.36	<0.1
REP 1389072	QC	0.034	19.5	1.3	0.10	46.4	0.043	<1	0.28	0.065	0.10	7.1	0.5	0.03	0.49	<5	0.6	0.03	1.7	0.38	0.1
1389095	Drill Core	0.038	15.5	1.1	0.14	77.6	0.017	<1	0.37	0.038	0.10	>100	0.9	0.04	0.54	<5	0.5	0.03	1.8	0.80	<0.1
REP 1389095	QC																				
Core Reject Duplicates																					
1389030	Drill Core	0.020	11.9	1.6	0.13	120.3	0.008	3	0.34	0.032	0.14	8.2	0.7	0.06	0.43	<5	0.3	<0.02	1.9	0.53	<0.1
DUP 1389030	QC	0.020	12.3	1.2	0.13	103.8	0.008	3	0.34	0.031	0.14	9.2	0.7	0.08	0.45	<5	0.4	0.04	1.6	0.51	<0.1
1389065	Drill Core	0.029	12.0	1.4	0.08	51.5	0.020	<1	0.23	0.037	0.14	3.8	0.5	0.05	1.11	<5	1.2	0.15	1.4	0.37	<0.1
DUP 1389065	QC	0.028	10.9	1.5	0.08	48.8	0.019	1	0.22	0.036	0.14	3.8	0.4	0.04	1.19	14	1.1	0.17	1.4	0.35	<0.1
1389100	Drill Core	0.041	17.7	1.2	0.11	129.8	0.059	<1	0.29	0.055	0.07	2.6	0.4	<0.02	0.30	<5	0.3	<0.02	1.7	0.24	<0.1
DUP 1389100	QC	0.039	16.9	1.4	0.11	112.0	0.057	<1	0.27	0.050	0.06	2.4	0.5	<0.02	0.29	<5	0.2	<0.02	1.5	0.21	<0.1
Reference Materials																					
STD DS8	Standard	0.082	20.0	123.3	0.65	289.4	0.127	3	0.96	0.084	0.39	3.1	2.3	5.66	0.17	209	5.6	4.96	5.1	2.57	0.1
STD DS8	Standard	0.082	14.8	117.5	0.61	261.7	0.117	2	0.89	0.081	0.40	3.1	2.1	5.28	0.17	194	4.9	4.68	4.5	2.41	<0.1
STD DS8	Standard	0.080	17.2	119.6	0.62	268.8	0.117	1	0.96	0.095	0.42	2.8	2.1	5.37	0.16	216	5.7	5.28	4.6	2.57	0.1
STD DS8	Standard	0.082	17.7	124.3	0.60	278.7	0.114	3	1.05	0.078	0.46	2.9	2.3	5.51	0.15	212	5.5	5.16	5.0	2.56	<0.1
STD DS8	Standard	0.075	16.7	121.3	0.63	254.3	0.126	3	0.95	0.091	0.42	3.1	2.2	5.43	0.17	195	5.1	4.92	4.9	2.40	0.2
STD NBLG	Standard																				

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PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

QUALITY CONTROL REPORT VAN11004045.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
Pulp Duplicates																
1389009	Drill Core	0.19	1.64	3.4	0.3	<0.05	3.7	4.11	19.9	<0.02	8	0.4	4.3	<10	<2	
REP 1389009	QC	0.19	1.68	3.3	0.3	<0.05	3.9	4.06	19.8	<0.02	8	0.2	4.2	<10	<2	
1389017	Drill Core	0.11	0.59	3.7	0.3	<0.05	2.0	5.86	25.8	<0.02	8	0.5	3.5	<10	<2	
REP 1389017	QC	0.10	0.59	3.6	0.3	<0.05	2.1	5.93	25.6	<0.02	6	0.4	3.4	<10	<2	
1389038	Drill Core	0.07	0.70	14.8	0.3	<0.05	1.5	4.96	21.7	<0.02	223	0.3	9.5	*	<2	
REP 1389038	QC	0.08	0.67	14.9	0.3	<0.05	1.5	5.09	20.5	<0.02	222	0.4	9.6	*	<2	
1389058	Drill Core	0.03	0.13	14.6	0.3	<0.05	1.2	5.11	23.5	<0.02	37	<0.1	5.8	14	<2	0.012
REP 1389058	QC															0.011
1389069	Drill Core	0.10	0.47	8.1	0.2	<0.05	1.7	6.02	29.8	<0.02	26	0.3	4.8	*	<2	
REP 1389069	QC	0.09	0.46	7.8	0.2	<0.05	1.6	5.77	27.8	<0.02	30	0.4	4.4	*	<2	
1389072	Drill Core	0.13	1.03	4.0	0.4	<0.05	2.1	5.27	30.3	<0.02	18	0.3	5.8	<10	<2	
REP 1389072	QC	0.13	1.17	4.2	0.5	<0.05	2.1	5.79	31.9	<0.02	23	0.3	5.9	*	<2	
1389095	Drill Core	0.05	0.38	5.8	0.2	<0.05	1.4	7.29	25.3	<0.02	<1	0.6	6.4	<10	<2	0.014
REP 1389095	QC															0.014
Core Reject Duplicates																
1389030	Drill Core	0.06	0.19	6.1	0.2	<0.05	1.2	5.91	19.9	<0.02	15	0.4	4.5	<10	<2	
DUP 1389030	QC	0.07	0.20	6.3	0.3	<0.05	1.3	5.72	20.1	0.03	22	0.3	4.0	<10	<2	
1389065	Drill Core	0.10	0.63	6.9	0.4	<0.05	2.3	4.14	20.7	<0.02	48	0.1	2.8	12	<2	
DUP 1389065	QC	0.12	0.56	6.5	0.3	<0.05	2.3	4.12	19.5	<0.02	59	<0.1	2.7	18	<2	
1389100	Drill Core	0.12	1.48	3.0	0.5	<0.05	2.4	6.08	26.6	<0.02	<1	0.2	4.7	<10	<2	
DUP 1389100	QC	0.13	1.51	2.8	0.5	<0.05	2.4	5.96	25.0	<0.02	<1	0.3	4.5	<10	<2	
Reference Materials																
STD DS8	Standard	0.11	1.39	37.5	7.5	<0.05	2.4	7.16	32.4	2.39	50	4.8	27.3	111	355	
STD DS8	Standard	0.08	1.19	36.5	7.0	<0.05	1.9	5.66	25.2	2.30	61	4.9	26.3	86	326	
STD DS8	Standard	0.10	1.37	39.9	7.0	<0.05	2.4	6.53	32.6	2.32	47	4.8	27.7	114	366	
STD DS8	Standard	0.10	1.37	36.7	6.8	<0.05	2.3	6.30	30.7	2.26	56	5.4	25.2	108	350	
STD DS8	Standard	0.06	1.38	37.9	6.7	<0.05	1.5	6.61	29.8	2.16	59	4.5	25.6	106	334	
STD NBLG	Standard															<0.005

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QUALITY CONTROL REPORT VAN11004045.2

		WGHT Wgt kg 0.01	1F30 Mo ppm 0.01	1F30 Cu ppm 0.01	1F30 Pb ppm 0.01	1F30 Zn ppm 0.1	1F30 Ag ppb 2	1F30 Ni ppm 0.1	1F30 Co ppm 0.1	1F30 Mn ppm 1	1F30 Fe % 0.01	1F30 As ppm 0.1	1F30 U ppm 0.1	1F30 Au ppb 0.2	1F30 Th ppm 0.1	1F30 Sr ppm 0.5	1F30 Cd ppm 0.01	1F30 Sb ppm 0.02	1F30 Bi ppm 0.02	1F30 V ppm 2	1F30 Ca % 0.01
STD NBLG	Standard																				
STD NBLG	Standard																				
STD NBLG	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD DS8 Expected			13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
STD W107 Expected																					
BLK	Blank		<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
BLK	Blank		<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
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<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
BLK	Blank																				
BLK	Blank		<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
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<0.01	<0.01	2.26	5.03	48.8	14	1.4	3.5	520	2.03	1.6	1.3	2.1	4.7	67.1	0.06	0.08	0.13	41	0.46
G1	Prep Blank	<0.01	<0.01	2.36	3.75	46.1	13	1.6	3.6	522	1.99	2.6	1.4	0.2	5.2	68.2	0.03	0.07	0.10	40	0.47

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QUALITY CONTROL REPORT VAN11004045.2

		1F30 P % 0.001	1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Tl ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1	1F30 Cs ppm 0.02	1F30 Ge ppm 0.1
STD NBLG	Standard																				
STD NBLG	Standard																				
STD NBLG	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13
STD W107 Expected																					
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank																				
BLK	Blank																				
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank																				
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	0.072	13.8	3.5	0.46	106.4	0.117	1	0.81	0.060	0.40	<0.1	1.7	0.29	<0.02	<5	<0.1	<0.02	4.1	2.31	0.1
G1	Prep Blank	0.076	14.2	3.8	0.46	107.5	0.117	1	0.82	0.059	0.41	<0.1	1.9	0.29	<0.02	8	<0.1	0.03	4.4	2.35	<0.1

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QUALITY CONTROL REPORT VAN11004045.2

		1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	7KP W % 0.005
STD NBLG	Standard															<0.005
STD NBLG	Standard															<0.005
STD NBLG	Standard															<0.005
STD W107	Standard															0.412
STD W107	Standard															0.417
STD W107	Standard															0.381
STD W107	Standard															0.388
STD DS8 Expected		0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339	
STD W107 Expected																0.42
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank															<0.005
BLK	Blank															<0.005
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank															<0.005
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank															<0.005
Prep Wash																
G1	Prep Blank	0.09	0.58	37.2	0.7	<0.05	0.7	4.81	21.8	0.02	<1	0.3	26.9	<10	<2	
G1	Prep Blank	0.06	0.54	38.2	0.6	<0.05	0.9	4.78	22.6	0.02	<1	0.2	26.0	<10	<2	

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Submitted By: Rob Pease
Receiving Lab: Canada-Vancouver
Received: August 22, 2011
Report Date: November 09, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS VAN11004117.2

CLIENT JOB INFORMATION

Project: Stewart
Shipment ID: Stewy 3
P.O. Number
Number of Samples: 53

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
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
R200-500	50	Crush, split and pulverize 500 g rock to 200 mesh			VAN
1F03	53	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
7KP	1	Phosphoric acid leach, ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : 1F06 full package included.

Invoice To: Emgold Mining Corp.
PO Box 1836
Grass Valley California 95945
USA

CC: Perry Grunenbery

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.
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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004117.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389104	Drill Core	5.75	4.90	21.12	4.21	43.4	63	0.9	1.4	402	1.48	2.1	4.6	0.5	8.1	50.9	0.80	0.07	0.13	34	0.26
1389105	Drill Core	7.27	11.45	27.25	3.41	64.7	85	0.6	1.5	358	1.56	1.8	4.4	0.3	7.0	55.3	1.18	0.10	0.19	40	0.32
1389106	Rock	0.21	0.09	1.19	1.01	11.6	<2	2.0	0.6	307	0.49	3.1	0.4	0.5	<0.1	41.9	0.06	<0.02	<0.02	<2	23.03
1389107	Rock Pulp	0.05	358.0	3522	26.00	60.2	1958	30.2	8.6	448	3.18	14.4	0.4	998.5	1.3	44.5	0.56	4.28	0.65	53	0.73
1389108	Drill Core	7.52	4.81	32.29	4.56	106.0	95	0.4	1.4	291	1.31	1.5	5.6	3.8	8.3	53.4	2.17	0.12	0.60	22	0.32
1389109	Drill Core	7.37	2.86	29.29	5.09	50.7	119	0.5	1.2	355	1.24	2.6	2.9	1.0	5.8	55.5	0.87	0.16	0.17	25	0.34
1389110	Drill Core	7.75	27.67	26.58	3.91	74.4	86	0.5	1.1	288	1.34	0.7	4.2	<0.2	7.1	63.0	1.43	0.10	0.19	30	0.41
1389111	Drill Core	7.44	1.68	17.63	3.09	20.4	61	0.5	1.2	265	1.24	0.4	3.2	1.2	5.5	56.4	0.24	0.06	0.07	28	0.34
1389112	Drill Core	8.25	5.94	20.27	2.28	41.4	78	0.6	1.4	315	1.33	0.7	2.5	0.7	5.0	57.3	0.66	0.09	0.12	30	0.37
1389113	Drill Core	8.05	5.16	22.89	2.37	26.1	59	0.5	1.2	320	1.18	0.7	2.7	1.1	5.6	63.0	0.39	0.04	0.13	37	0.47
1389114	Drill Core	8.13	13.91	44.24	3.30	33.4	127	0.5	1.7	455	1.74	1.0	4.4	0.8	7.2	60.8	0.39	0.05	0.14	38	0.71
1389115	Drill Core	8.14	5.83	15.13	4.14	28.5	45	0.6	1.0	277	1.17	0.3	2.6	0.3	6.5	48.4	0.40	0.03	0.12	25	0.37
1389116	Drill Core	7.97	3.48	25.13	2.05	22.7	81	0.4	1.2	281	1.27	0.2	3.2	0.9	6.2	52.3	0.28	<0.02	0.10	35	0.40
1389117	Drill Core	7.73	12.52	23.80	2.46	20.9	63	0.4	0.8	259	0.94	0.3	5.6	0.2	9.2	54.6	0.25	0.02	0.09	25	0.37
1389118	Drill Core	7.75	9.28	34.52	2.73	22.7	96	0.7	1.5	294	1.34	0.3	3.7	0.8	7.2	60.5	0.20	0.03	0.19	30	0.46
1389119	Drill Core	7.41	10.80	18.58	4.89	21.2	54	0.3	0.7	222	0.97	0.3	4.7	1.5	8.5	37.8	0.28	0.02	0.12	15	0.25
1389120	Drill Core	7.71	11.75	14.89	3.14	27.5	68	0.5	0.8	261	1.13	0.4	3.0	0.8	6.1	46.6	0.34	0.04	0.08	22	0.28
1389121	Drill Core	7.42	6.25	11.85	3.48	15.1	40	0.5	0.9	219	0.80	0.6	4.0	1.1	8.5	44.8	0.12	0.06	0.06	14	0.28
1389122	Drill Core	8.37	7.12	19.74	3.60	29.2	59	0.9	1.5	286	1.26	0.8	4.3	0.5	6.9	63.9	0.33	0.04	0.12	30	0.46
1389123	Drill Core	7.69	37.36	33.68	3.36	23.1	82	0.9	1.5	269	1.37	0.7	4.5	<0.2	8.8	64.1	0.25	0.04	0.10	27	0.44
1389124	Drill Core	8.00	42.30	12.85	2.56	9.6	33	0.6	0.9	233	1.09	0.5	3.7	<0.2	7.6	48.5	0.03	<0.02	<0.02	25	0.31
1389125	Drill Core	8.04	47.81	12.50	4.03	18.6	46	0.6	1.0	234	1.00	0.7	4.9	<0.2	7.6	39.5	0.10	0.03	0.09	18	0.29
1389126	Drill Core	2.97	49.09	50.28	5.42	161.6	105	1.2	1.3	273	1.33	0.8	5.9	0.9	8.4	51.3	3.54	0.06	0.34	21	0.30
1389127	Drill Core	8.19	12.06	38.20	4.37	134.6	96	0.8	1.4	262	1.30	1.1	6.1	<0.2	10.2	54.3	2.37	0.05	0.20	27	0.30
1389128	Drill Core	8.21	11.35	50.54	5.53	117.4	119	0.9	1.4	289	1.46	5.7	5.8	<0.2	9.0	47.0	2.37	0.20	0.79	20	0.26
1389129	Drill Core	7.99	22.91	63.62	3.18	343.5	133	1.0	1.7	585	1.62	2.5	3.8	<0.2	8.4	52.1	7.40	0.16	0.23	47	0.65
1389130	Rock	0.47	0.08	0.41	1.36	12.6	<2	0.2	0.7	243	0.42	4.0	0.5	<0.2	<0.1	46.1	0.05	<0.02	<0.02	<2	20.00
1389131	Rock Pulp	0.04	1079	8779	52.34	153.4	3846	38.4	20.8	532	4.41	35.5	0.7	660.7	1.8	52.4	1.72	7.48	1.70	103	0.97
1389132	Drill Core	3.96	4.04	43.15	6.44	183.2	116	7.8	2.8	719	1.43	8.4	2.6	1.5	7.7	76.8	2.94	0.51	0.14	19	0.24
1389133	Drill Core	3.05	55.89	56.32	4.96	109.0	99	0.7	1.5	288	1.36	2.4	3.0	0.6	5.0	43.4	2.01	0.12	0.24	21	0.18

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CERTIFICATE OF ANALYSIS VAN11004117.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389104	Drill Core	0.033	17.8	2.2	0.12	67.7	0.058	1	0.38	0.049	0.07	1.6	0.8	0.02	0.13	<5	0.3	<0.02	2.1	0.36	<0.1
1389105	Drill Core	0.040	18.2	1.9	0.11	72.4	0.063	<1	0.31	0.050	0.05	5.5	0.6	<0.02	0.35	<5	0.4	0.04	1.8	0.26	<0.1
1389106	Rock	0.019	0.6	1.0	12.51	9.3	<0.001	<1	0.03	0.004	0.02	<0.1	0.3	<0.02	<0.02	<5	0.2	0.02	<0.1	0.10	<0.1
1389107	Rock Pulp	0.056	6.3	32.9	0.56	127.3	0.119	6	1.26	0.074	0.10	0.9	3.8	0.08	0.39	80	1.3	0.16	4.7	0.42	0.1
1389108	Drill Core	0.022	15.9	1.3	0.09	34.0	0.040	1	0.25	0.044	0.07	6.3	0.5	0.02	0.47	<5	0.4	<0.02	1.3	0.30	<0.1
1389109	Drill Core	0.027	16.3	1.3	0.12	43.6	0.052	<1	0.32	0.046	0.07	7.1	0.5	<0.02	0.30	<5	0.4	0.02	1.6	0.31	<0.1
1389110	Drill Core	0.032	14.2	1.2	0.08	42.6	0.059	<1	0.25	0.047	0.06	6.8	0.3	<0.02	0.40	<5	0.4	<0.02	1.4	0.22	0.1
1389111	Drill Core	0.034	16.4	1.6	0.07	44.6	0.055	<1	0.24	0.056	0.06	0.3	0.3	<0.02	0.37	<5	0.4	<0.02	1.3	0.16	<0.1
1389112	Drill Core	0.035	17.4	1.9	0.10	55.6	0.052	<1	0.29	0.054	0.05	3.7	0.6	<0.02	0.39	<5	0.3	<0.02	1.4	0.23	<0.1
1389113	Drill Core	0.037	20.2	1.7	0.08	42.1	0.067	<1	0.27	0.056	0.05	4.8	0.3	<0.02	0.37	<5	0.5	0.06	1.6	0.15	0.1
1389114	Drill Core	0.043	26.2	2.1	0.15	77.9	0.069	<1	0.33	0.051	0.06	1.0	0.8	<0.02	0.68	<5	1.2	<0.02	2.2	0.28	<0.1
1389115	Drill Core	0.026	16.8	1.6	0.09	89.8	0.043	<1	0.25	0.051	0.06	4.0	0.4	<0.02	0.26	8	0.4	<0.02	1.4	0.23	<0.1
1389116	Drill Core	0.037	20.5	1.6	0.08	29.6	0.064	<1	0.23	0.058	0.05	1.8	0.3	<0.02	0.49	<5	0.4	0.03	1.3	0.09	<0.1
1389117	Drill Core	0.025	20.4	1.3	0.07	32.0	0.051	<1	0.24	0.055	0.07	0.5	0.3	<0.02	0.38	<5	0.6	<0.02	1.1	0.12	<0.1
1389118	Drill Core	0.033	22.8	1.5	0.11	41.9	0.066	1	0.27	0.059	0.06	21.2	0.5	<0.02	0.48	<5	0.8	<0.02	1.5	0.12	0.1
1389119	Drill Core	0.014	15.0	1.1	0.06	23.0	0.031	<1	0.20	0.045	0.07	6.8	0.3	<0.02	0.29	10	0.3	<0.02	1.2	0.19	<0.1
1389120	Drill Core	0.021	16.2	1.3	0.08	43.0	0.039	<1	0.24	0.052	0.06	2.6	0.3	<0.02	0.22	<5	0.2	0.03	1.4	0.17	<0.1
1389121	Drill Core	0.019	15.9	1.1	0.06	47.7	0.032	2	0.23	0.063	0.09	0.5	0.3	<0.02	0.20	<5	0.4	<0.02	1.0	0.21	<0.1
1389122	Drill Core	0.034	19.6	1.7	0.12	46.1	0.072	<1	0.30	0.093	0.09	2.7	0.5	<0.02	0.34	<5	0.5	<0.02	1.6	0.18	<0.1
1389123	Drill Core	0.030	21.8	1.6	0.11	44.4	0.065	<1	0.30	0.085	0.08	2.6	0.4	<0.02	0.47	<5	0.8	<0.02	1.6	0.13	<0.1
1389124	Drill Core	0.024	17.3	1.2	0.08	36.0	0.049	<1	0.25	0.077	0.08	<0.1	0.3	<0.02	0.25	<5	0.3	<0.02	1.2	0.09	<0.1
1389125	Drill Core	0.018	14.9	1.2	0.07	32.6	0.040	<1	0.23	0.076	0.09	3.6	0.4	<0.02	0.26	<5	0.3	<0.02	1.2	0.14	<0.1
1389126	Drill Core	0.023	17.0	1.7	0.12	33.7	0.050	<1	0.27	0.054	0.12	82.5	0.5	0.05	0.52	<5	0.8	0.03	1.3	0.44	<0.1
1389127	Drill Core	0.028	20.5	1.5	0.09	52.6	0.059	<1	0.30	0.071	0.08	19.1	0.6	0.02	0.39	<5	0.5	<0.02	1.5	0.26	<0.1
1389128	Drill Core	0.022	17.6	1.5	0.10	82.7	0.040	<1	0.33	0.055	0.09	40.0	0.6	0.03	0.49	10	0.8	0.02	1.7	0.31	<0.1
1389129	Drill Core	0.029	19.9	1.3	0.12	150.8	0.060	2	0.37	0.057	0.07	58.6	0.8	0.02	0.52	<5	1.1	0.02	2.0	0.41	0.2
1389130	Rock	0.016	<0.5	<0.5	11.32	9.9	<0.001	<1	0.01	0.001	<0.01	0.1	0.1	<0.02	<0.02	<5	0.2	<0.02	<0.1	0.05	<0.1
1389131	Rock Pulp	0.087	9.3	60.7	1.02	74.6	0.155	4	1.76	0.108	0.54	15.4	7.5	0.42	1.93	123	5.1	0.65	5.9	2.35	<0.1
1389132	Drill Core	0.074	26.4	6.8	0.24	235.6	0.013	<1	0.65	0.050	0.09	14.5	1.3	0.03	0.03	<5	0.5	0.04	2.4	0.67	<0.1
1389133	Drill Core	0.025	12.4	1.5	0.13	59.9	0.032	<1	0.29	0.054	0.08	29.5	0.6	<0.02	0.51	<5	0.9	0.02	1.4	0.30	<0.1

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	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1389104	Drill Core	0.17	0.95	4.2	0.4	<0.05	3.2	6.49	26.7	<0.02	2	0.4	5.4	<10	<2	
1389105	Drill Core	0.16	1.30	2.5	0.5	<0.05	2.9	6.18	27.3	<0.02	8	0.3	5.4	<10	<2	
1389106	Rock	<0.02	0.03	0.7	<0.1	<0.05	<0.1	0.87	1.1	<0.02	<1	<0.1	0.9	<10	<2	
1389107	Rock Pulp	0.30	0.12	4.6	2.1	<0.05	8.5	8.39	12.0	<0.02	331	<0.1	8.2	*	<2	
1389108	Drill Core	0.13	0.97	3.7	0.3	<0.05	2.4	4.87	23.3	<0.02	3	<0.1	3.8	<10	<2	
1389109	Drill Core	0.16	1.07	3.2	0.4	<0.05	2.6	6.23	25.6	<0.02	2	0.3	5.6	<10	<2	
1389110	Drill Core	0.18	1.43	2.7	0.4	<0.05	2.6	5.80	23.8	<0.02	10	<0.1	4.7	14	<2	
1389111	Drill Core	0.13	1.55	2.4	0.5	<0.05	2.3	5.25	24.5	<0.02	3	0.2	4.5	<10	<2	
1389112	Drill Core	0.13	1.19	2.1	0.4	<0.05	2.0	5.54	25.1	<0.02	3	0.2	7.1	<10	<2	
1389113	Drill Core	0.22	1.92	2.1	0.6	<0.05	2.7	6.68	29.1	<0.02	4	<0.1	7.3	<10	<2	
1389114	Drill Core	0.14	2.68	2.6	0.8	<0.05	2.5	7.77	38.1	<0.02	8	0.7	9.7	<10	<2	
1389115	Drill Core	0.14	0.97	2.8	1.4	<0.05	2.2	5.11	24.3	<0.02	2	<0.1	6.6	<10	<2	
1389116	Drill Core	0.15	2.15	1.7	0.5	<0.05	2.4	5.54	29.4	<0.02	1	<0.1	7.1	<10	<2	
1389117	Drill Core	0.14	1.57	2.9	0.5	<0.05	2.1	5.07	28.8	<0.02	8	0.2	7.3	<10	<2	
1389118	Drill Core	0.17	2.20	2.5	0.5	<0.05	2.9	6.25	32.4	<0.02	<1	<0.1	8.2	<10	<2	
1389119	Drill Core	0.16	1.02	3.5	1.0	<0.05	2.2	3.39	20.3	<0.02	4	<0.1	5.7	<10	<2	
1389120	Drill Core	0.12	1.00	2.7	0.3	<0.05	1.9	4.37	22.7	<0.02	5	0.2	6.0	<10	<2	
1389121	Drill Core	0.08	0.79	2.8	0.3	<0.05	1.7	3.85	22.5	<0.02	2	0.2	5.6	<10	<2	
1389122	Drill Core	0.16	1.92	3.2	1.0	<0.05	2.6	5.66	27.5	<0.02	3	0.3	10.0	<10	<2	
1389123	Drill Core	0.15	1.73	2.9	0.6	<0.05	2.5	5.30	29.7	<0.02	27	<0.1	9.5	<10	<2	
1389124	Drill Core	0.10	1.23	2.4	0.4	<0.05	1.9	4.46	23.2	<0.02	18	0.1	6.8	<10	<2	
1389125	Drill Core	0.14	0.98	2.6	0.3	<0.05	2.4	3.82	20.7	<0.02	14	0.1	5.4	<10	<2	
1389126	Drill Core	0.21	2.25	7.2	0.6	<0.05	4.3	4.93	23.7	<0.02	7	0.2	7.8	<10	<2	
1389127	Drill Core	0.17	1.70	3.5	0.5	<0.05	3.7	5.35	28.4	<0.02	2	0.2	4.6	<10	<2	
1389128	Drill Core	0.19	1.33	4.2	0.4	<0.05	3.8	4.86	25.6	<0.02	4	0.4	6.1	<10	<2	
1389129	Drill Core	0.26	2.26	3.2	0.9	<0.05	4.3	7.87	28.6	0.04	6	0.5	7.0	<10	<2	
1389130	Rock	<0.02	0.03	0.3	<0.1	<0.05	<0.1	0.65	0.7	<0.02	<1	<0.1	0.4	<10	<2	
1389131	Rock Pulp	0.16	0.09	27.5	2.1	<0.05	5.0	10.38	17.4	<0.02	989	0.5	8.6	271	<2	
1389132	Drill Core	0.05	0.12	4.5	0.2	<0.05	1.1	8.04	42.8	0.03	<1	1.1	8.1	<10	<2	
1389133	Drill Core	0.08	0.52	3.0	0.3	<0.05	1.6	4.18	19.4	<0.02	11	0.3	5.0	10	<2	

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004117.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389134	Drill Core	7.26	27.24	66.27	9.50	213.8	153	1.3	1.9	490	1.66	4.0	3.3	1.2	6.1	54.7	4.48	0.29	0.27	26	0.26
1389135	Drill Core	7.27	11.11	47.88	8.90	78.1	123	1.3	2.0	476	1.51	2.6	2.9	0.2	5.6	62.6	1.34	0.43	0.22	30	0.30
1389136	Drill Core	8.71	45.05	56.18	5.31	63.4	144	0.9	3.3	436	1.58	2.2	2.6	2.0	5.0	70.2	1.06	0.29	0.49	28	0.46
1389137	Drill Core	4.64	14.18	21.20	4.67	23.3	73	0.8	1.4	346	1.21	1.9	3.8	0.6	8.3	56.8	0.23	0.19	0.14	27	0.36
1389138	Drill Core	4.10	11.81	71.32	8.18	82.1	447	0.9	3.1	661	2.03	27.6	3.5	19.1	7.0	43.8	1.56	1.03	1.82	16	0.18
1389139	Drill Core	6.46	14.08	65.38	5.25	22.6	251	0.9	4.2	336	2.14	5.5	3.5	530.2	6.0	79.1	0.16	1.04	79.65	37	0.45
1389140	Drill Core	8.09	108.2	70.92	3.58	19.6	124	1.3	4.1	303	1.73	1.4	2.1	42.3	4.6	86.0	0.20	0.16	16.10	31	0.82
1389141	Drill Core	8.16	37.14	50.18	3.62	19.4	117	1.6	3.2	464	1.50	5.6	3.8	11.9	6.4	103.0	0.18	0.21	1.19	34	0.93
1389142	Drill Core	3.68	121.0	66.30	116.0	41.5	3906	1.0	4.1	495	1.77	11.7	2.6	11.3	5.5	148.2	0.81	4.43	18.88	12	1.03
1389143	Drill Core	3.36	9.63	30.62	10.32	83.8	143	15.6	21.3	873	4.07	3.6	1.0	16.6	2.9	178.7	0.40	1.46	0.22	99	2.73
1389144	Drill Core	9.56	31.38	48.85	6.78	27.9	161	1.2	3.0	536	1.57	5.7	3.7	4.9	6.3	123.8	0.25	0.52	0.95	33	0.85
1389145	Drill Core	8.34	168.1	50.75	7.07	27.1	171	1.0	3.2	482	1.58	5.5	2.6	3.5	5.5	186.6	0.29	0.54	0.95	26	1.33
1389146	Drill Core	8.24	91.30	30.48	6.19	12.7	124	0.7	1.9	296	1.06	6.4	4.1	2.0	8.7	184.1	0.14	0.50	0.47	10	1.17
1389147	Drill Core	2.93	78.22	42.98	11.66	23.3	210	0.5	3.2	429	1.44	22.9	3.5	5.1	5.8	234.9	0.23	1.28	0.69	12	1.38
1389148	Drill Core	2.57	136.6	50.70	15.24	19.7	731	1.2	3.5	313	1.46	20.1	4.0	17.0	11.2	109.7	0.36	4.32	1.19	5	0.47
1389149	Drill Core	6.06	160.1	21.15	15.33	12.4	295	0.7	1.4	255	0.95	7.3	6.7	5.7	9.0	124.5	0.14	1.00	0.66	6	0.61
1389150	Drill Core	3.92	31.23	20.68	19.12	13.6	453	0.9	1.1	151	0.90	9.2	7.3	3.5	8.9	34.9	0.17	0.70	0.71	5	0.08
1389151	Drill Core	3.16	37.82	58.30	176.5	266.6	18667	1.1	2.4	336	1.44	46.1	7.4	47.2	11.5	85.3	7.03	11.00	341.1	4	0.32
1389152	Rock	0.39	0.24	0.51	1.09	13.8	10	0.2	0.9	259	0.44	3.7	0.6	<0.2	<0.1	39.0	0.06	0.04	0.17	<2	19.77
1389153	Rock Pulp	0.05	354.9	3359	26.73	57.0	1819	30.5	9.0	443	3.07	14.5	0.4	809.6	1.3	40.4	0.53	4.09	0.67	53	0.68
1389154	Drill Core	4.78	4.36	11.38	12.87	19.3	173	0.4	0.6	187	0.66	5.1	10.5	2.6	13.7	58.0	0.30	0.49	0.83	4	0.22
1389155	Drill Core	4.66	6.76	59.86	35.36	103.9	1281	11.1	3.2	926	1.56	37.2	4.1	225.8	8.4	83.9	3.10	2.98	9.89	5	0.69
1389156	Drill Core	3.10	57.12	98.51	31.50	80.4	2155	21.2	8.7	1226	3.34	62.5	3.1	131.6	4.3	364.3	0.89	4.02	2.67	20	2.39

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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004117.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389134	Drill Core	0.040	15.4	1.6	0.15	204.4	0.039	<1	0.36	0.050	0.08	65.8	0.9	0.02	0.45	<5	1.0	0.02	1.7	0.49	<0.1
1389135	Drill Core	0.047	16.0	1.6	0.17	200.6	0.044	<1	0.35	0.057	0.08	24.5	0.9	0.02	0.33	<5	0.6	<0.02	1.7	0.54	<0.1
1389136	Drill Core	0.054	17.3	1.8	0.17	148.1	0.050	<1	0.35	0.057	0.07	12.6	0.8	0.03	0.49	<5	0.9	0.04	1.5	0.47	<0.1
1389137	Drill Core	0.029	15.0	1.7	0.11	120.6	0.040	1	0.27	0.063	0.08	3.8	0.5	<0.02	0.24	<5	0.4	<0.02	1.5	0.54	<0.1
1389138	Drill Core	0.059	29.6	4.9	0.09	167.2	0.002	5	0.57	0.042	0.15	>100	1.6	0.08	0.06	45	0.6	0.09	1.6	1.37	<0.1
1389139	Drill Core	0.049	21.4	1.4	0.17	74.8	0.076	1	0.39	0.075	0.09	7.4	0.7	0.03	0.86	<5	1.3	3.69	2.1	0.57	<0.1
1389140	Drill Core	0.049	23.1	1.1	0.19	48.1	0.064	<1	0.33	0.063	0.11	14.0	0.7	0.04	0.82	<5	1.2	0.68	1.7	0.57	<0.1
1389141	Drill Core	0.048	23.4	1.2	0.18	56.8	0.064	<1	0.37	0.072	0.11	9.5	0.8	0.04	0.54	<5	0.9	0.06	1.8	0.84	<0.1
1389142	Drill Core	0.033	14.9	1.0	0.11	44.5	0.019	2	0.27	0.043	0.17	1.6	0.7	0.07	0.82	<5	2.0	0.25	1.1	0.48	<0.1
1389143	Drill Core	0.339	21.5	70.3	1.98	511.4	0.104	2	1.64	0.046	0.55	0.8	11.7	0.18	0.27	5	0.3	0.03	6.6	4.70	<0.1
1389144	Drill Core	0.042	19.2	1.5	0.17	39.8	0.046	<1	0.34	0.061	0.09	6.3	0.8	0.04	0.56	<5	0.9	0.02	1.8	0.79	<0.1
1389145	Drill Core	0.057	24.1	1.3	0.22	59.4	0.043	3	0.39	0.064	0.16	10.0	1.1	0.07	0.63	<5	0.8	0.06	1.8	0.93	<0.1
1389146	Drill Core	0.021	14.3	0.7	0.08	38.0	0.012	3	0.26	0.061	0.13	5.5	0.4	0.05	0.46	<5	0.5	<0.02	1.2	0.68	<0.1
1389147	Drill Core	0.041	21.8	0.7	0.16	52.4	0.009	5	0.32	0.051	0.17	8.6	1.1	0.07	0.61	<5	1.0	0.09	1.3	1.18	<0.1
1389148	Drill Core	0.014	9.7	1.6	0.03	42.8	<0.001	4	0.24	0.028	0.15	3.1	0.5	0.15	0.81	<5	0.8	0.08	0.8	0.61	<0.1
1389149	Drill Core	0.014	12.7	1.1	0.06	38.7	0.003	3	0.24	0.037	0.16	2.9	0.5	0.06	0.44	<5	0.4	0.03	0.9	0.58	<0.1
1389150	Drill Core	0.005	9.1	1.2	0.02	39.0	0.003	2	0.17	0.023	0.16	1.4	0.2	0.06	0.34	<5	0.3	0.03	0.6	0.46	<0.1
1389151	Drill Core	0.016	7.2	1.2	0.04	65.7	<0.001	3	0.24	0.014	0.20	1.3	0.4	0.10	0.73	<5	1.5	11.10	0.6	0.50	<0.1
1389152	Rock	0.016	0.5	<0.5	11.28	13.3	<0.001	1	0.02	0.001	0.01	<0.1	0.2	<0.02	<0.02	<5	0.2	0.03	<0.1	0.07	<0.1
1389153	Rock Pulp	0.054	6.1	32.1	0.55	126.5	0.122	6	1.23	0.082	0.10	0.9	3.6	0.08	0.37	101	1.0	0.20	4.4	0.40	<0.1
1389154	Drill Core	0.005	8.7	0.9	0.02	22.0	0.002	<1	0.20	0.035	0.15	2.2	0.2	0.04	0.14	<5	0.2	0.05	0.8	0.36	<0.1
1389155	Drill Core	0.018	6.9	1.8	0.18	50.1	0.001	2	0.23	0.016	0.17	3.3	0.3	0.06	0.59	<5	0.9	1.08	0.7	0.49	<0.1
1389156	Drill Core	0.109	9.5	6.6	0.50	40.5	0.002	7	0.29	0.016	0.22	3.9	4.5	0.10	1.28	<5	1.7	0.22	0.8	1.64	<0.1

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Project: Stewart
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CERTIFICATE OF ANALYSIS VAN11004117.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1389134	Drill Core	0.12	0.74	3.4	0.4	<0.05	2.0	6.66	26.3	0.03	11	0.5	5.3	<10	<2	
1389135	Drill Core	0.12	0.56	3.4	0.3	<0.05	2.1	6.32	25.9	0.02	11	0.4	5.2	<10	<2	
1389136	Drill Core	0.10	0.70	3.4	0.4	<0.05	1.7	6.41	28.4	<0.02	24	0.2	5.5	<10	<2	
1389137	Drill Core	0.12	0.69	3.3	0.4	<0.05	2.0	4.69	22.1	<0.02	4	<0.1	3.0	<10	<2	
1389138	Drill Core	0.03	0.04	8.3	0.2	<0.05	0.7	8.53	50.3	0.02	7	0.9	5.1	<10	<2	0.029
1389139	Drill Core	0.13	1.25	4.5	0.5	<0.05	2.5	7.66	34.7	<0.02	9	0.3	5.4	<10	<2	
1389140	Drill Core	0.12	1.53	6.6	0.5	<0.05	2.0	6.60	33.5	<0.02	52	0.2	6.1	18	<2	
1389141	Drill Core	0.15	1.46	6.8	0.6	<0.05	2.5	7.05	34.2	<0.02	12	0.4	5.5	<10	<2	
1389142	Drill Core	0.06	0.57	9.5	0.3	<0.05	1.4	5.03	23.1	<0.02	43	0.3	3.3	10	<2	
1389143	Drill Core	0.16	0.03	30.3	0.7	<0.05	6.5	10.03	45.3	0.05	2	1.5	45.4	<10	<2	
1389144	Drill Core	0.13	1.19	5.4	0.7	<0.05	2.4	8.02	31.5	<0.02	23	0.9	4.5	<10	<2	
1389145	Drill Core	0.12	1.00	10.0	0.4	<0.05	2.0	9.56	41.3	<0.02	72	0.8	5.8	*	<2	
1389146	Drill Core	0.07	0.39	6.2	0.2	<0.05	1.6	4.80	23.0	<0.02	50	0.2	2.0	<10	<2	
1389147	Drill Core	0.06	0.28	9.7	0.2	<0.05	1.1	7.33	34.8	<0.02	58	0.4	2.7	13	<2	
1389148	Drill Core	0.06	0.03	7.5	0.1	<0.05	1.3	3.17	14.2	<0.02	40	0.3	0.9	16	<2	
1389149	Drill Core	0.06	0.16	6.3	0.1	<0.05	1.4	3.30	19.0	<0.02	76	0.2	1.4	19	<2	
1389150	Drill Core	0.07	0.17	5.9	0.2	<0.05	2.0	1.84	12.6	<0.02	21	<0.1	1.1	<10	<2	
1389151	Drill Core	0.10	0.04	9.6	0.2	<0.05	2.1	2.82	10.8	0.02	16	0.3	1.5	<10	<2	
1389152	Rock	<0.02	0.04	0.5	<0.1	<0.05	<0.1	0.64	0.9	<0.02	<1	<0.1	0.5	<10	<2	
1389153	Rock Pulp	0.25	0.12	4.0	2.2	<0.05	8.2	7.76	11.2	<0.02	308	0.2	8.8	57	<2	
1389154	Drill Core	0.19	0.35	6.0	0.1	<0.05	4.3	2.10	12.0	<0.02	4	<0.1	0.9	<10	<2	
1389155	Drill Core	0.07	0.04	7.6	0.2	<0.05	1.7	3.70	10.1	0.03	8	0.2	1.7	<10	<2	
1389156	Drill Core	0.07	<0.02	11.4	0.6	<0.05	1.7	10.06	14.6	<0.02	33	0.8	2.3	<10	2	

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QUALITY CONTROL REPORT VAN11004117.2

	Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	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		0.08	2.69	3.02	47.2	8	1.4	3.5	564	2.01	1.0	1.8	<0.2	6.6	75.3	<0.01	<0.02	0.04	37	0.55
1389108	Drill Core	7.52	4.81	32.29	4.56	106.0	95	0.4	1.4	291	1.31	1.5	5.6	3.8	8.3	53.4	2.17	0.12	0.60	22	0.32
REP 1389108	QC		4.54	32.89	4.37	108.7	100	0.6	1.2	281	1.32	1.6	5.8	3.9	8.4	53.2	2.22	0.12	0.61	23	0.31
1389122	Drill Core	8.37	7.12	19.74	3.60	29.2	59	0.9	1.5	286	1.26	0.8	4.3	0.5	6.9	63.9	0.33	0.04	0.12	30	0.46
REP 1389122	QC		6.89	19.63	3.07	29.3	53	0.8	1.4	279	1.26	0.7	4.1	<0.2	6.9	63.0	0.29	0.04	0.11	30	0.44
1389138	Drill Core	4.10	11.81	71.32	8.18	82.1	447	0.9	3.1	661	2.03	27.6	3.5	19.1	7.0	43.8	1.56	1.03	1.82	16	0.18
REP 1389138	QC																				
1389148	Drill Core	2.57	136.6	50.70	15.24	19.7	731	1.2	3.5	313	1.46	20.1	4.0	17.0	11.2	109.7	0.36	4.32	1.19	5	0.47
REP 1389148	QC		137.5	49.81	14.92	18.5	725	1.0	3.6	300	1.46	19.5	4.1	17.6	11.5	108.9	0.37	4.40	1.18	5	0.48
Core Reject Duplicates																					
1389114	Drill Core	8.13	13.91	44.24	3.30	33.4	127	0.5	1.7	455	1.74	1.0	4.4	0.8	7.2	60.8	0.39	0.05	0.14	38	0.71
DUP 1389114	QC		13.11	43.40	3.09	31.3	127	0.5	1.5	445	1.70	0.9	4.7	0.5	7.0	62.2	0.36	0.05	0.14	39	0.70
1389149	Drill Core	6.06	160.1	21.15	15.33	12.4	295	0.7	1.4	255	0.95	7.3	6.7	5.7	9.0	124.5	0.14	1.00	0.66	6	0.61
DUP 1389149	QC		159.2	21.85	14.10	14.0	295	0.6	1.6	254	0.94	7.7	6.7	5.0	8.4	123.3	0.22	1.06	0.61	6	0.61
Reference Materials																					
STD DS8	Standard		14.08	111.6	125.0	308.5	1686	39.1	8.1	609	2.43	27.3	3.3	116.8	8.2	73.5	2.30	6.44	7.84	43	0.71
STD DS8	Standard		13.76	112.3	140.5	321.4	1824	37.5	7.5	618	2.52	27.5	3.2	117.3	8.2	79.9	2.43	6.70	7.86	43	0.76
STD DS8	Standard		13.94	117.1	120.4	324.4	1704	37.1	7.5	605	2.49	26.9	3.1	108.2	7.5	72.7	2.67	5.76	7.10	42	0.75
STD DS8	Standard		13.93	116.7	128.2	317.0	1825	40.2	8.4	647	2.52	26.0	2.8	116.2	6.9	69.1	2.20	5.56	7.04	42	0.75
STD NBLG	Standard																				
STD W107	Standard																				
STD W107 Expected																					
STD DS8 Expected			13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
BLK	Blank		<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
BLK	Blank		<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
BLK	Blank		<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
BLK	Blank																				
BLK	Blank		<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

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

QUALITY CONTROL REPORT VAN11004117.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
Pulp Duplicates																					
REP G1	QC	0.080	17.1	3.3	0.49	114.0	0.115	<1	0.87	0.059	0.37	<0.1	1.8	0.30	<0.02	<5	<0.1	<0.02	4.7	2.49	<0.1
1389108	Drill Core	0.022	15.9	1.3	0.09	34.0	0.040	1	0.25	0.044	0.07	6.3	0.5	0.02	0.47	<5	0.4	<0.02	1.3	0.30	<0.1
REP 1389108	QC	0.021	15.9	1.4	0.09	32.9	0.040	1	0.25	0.044	0.07	6.1	0.4	0.02	0.46	<5	0.6	0.05	1.3	0.31	<0.1
1389122	Drill Core	0.034	19.6	1.7	0.12	46.1	0.072	<1	0.30	0.093	0.09	2.7	0.5	<0.02	0.34	<5	0.5	<0.02	1.6	0.18	<0.1
REP 1389122	QC	0.033	19.2	1.7	0.12	45.9	0.070	<1	0.29	0.091	0.09	2.7	0.4	<0.02	0.35	<5	0.4	<0.02	1.7	0.19	<0.1
1389138	Drill Core	0.059	29.6	4.9	0.09	167.2	0.002	5	0.57	0.042	0.15	>100	1.6	0.08	0.06	45	0.6	0.09	1.6	1.37	<0.1
REP 1389138	QC																				
1389148	Drill Core	0.014	9.7	1.6	0.03	42.8	<0.001	4	0.24	0.028	0.15	3.1	0.5	0.15	0.81	<5	0.8	0.08	0.8	0.61	<0.1
REP 1389148	QC	0.013	10.2	1.4	0.03	43.9	<0.001	5	0.24	0.028	0.16	3.2	0.5	0.15	0.81	<5	0.8	0.06	0.8	0.60	<0.1
Core Reject Duplicates																					
1389114	Drill Core	0.043	26.2	2.1	0.15	77.9	0.069	<1	0.33	0.051	0.06	1.0	0.8	<0.02	0.68	<5	1.2	<0.02	2.2	0.28	<0.1
DUP 1389114	QC	0.043	26.1	1.9	0.15	81.6	0.070	1	0.34	0.051	0.06	1.0	0.7	<0.02	0.68	<5	1.0	0.05	2.1	0.29	0.1
1389149	Drill Core	0.014	12.7	1.1	0.06	38.7	0.003	3	0.24	0.037	0.16	2.9	0.5	0.06	0.44	<5	0.4	0.03	0.9	0.58	<0.1
DUP 1389149	QC	0.014	11.7	1.2	0.05	39.2	0.003	3	0.25	0.037	0.16	2.9	0.6	0.07	0.43	<5	0.4	<0.02	0.9	0.58	<0.1
Reference Materials																					
STD DS8	Standard	0.079	18.3	119.2	0.61	277.3	0.124	4	0.94	0.087	0.41	3.0	2.2	5.43	0.16	206	5.2	4.77	4.4	2.50	<0.1
STD DS8	Standard	0.082	20.0	123.3	0.65	289.4	0.127	3	0.96	0.084	0.39	3.1	2.3	5.66	0.17	209	5.6	4.96	5.1	2.57	0.1
STD DS8	Standard	0.075	17.7	120.2	0.62	297.9	0.128	2	0.97	0.090	0.42	3.0	2.3	5.27	0.16	186	5.2	4.90	4.9	2.47	0.1
STD DS8	Standard	0.077	17.8	127.5	0.63	268.4	0.133	2	0.97	0.101	0.43	3.0	2.1	5.50	0.17	192	4.9	5.19	4.7	2.48	<0.1
STD NBLG	Standard																				
STD W107	Standard																				
STD W107 Expected																					
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank																				
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

QUALITY CONTROL REPORT VAN11004117.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
Pulp Duplicates																
REP G1	QC	0.09	0.49	38.2	0.5	<0.05	1.3	5.21	25.6	<0.02	<1	0.1	27.7	<10	<2	
1389108	Drill Core	0.13	0.97	3.7	0.3	<0.05	2.4	4.87	23.3	<0.02	3	<0.1	3.8	<10	<2	
REP 1389108	QC	0.11	0.96	4.0	0.3	<0.05	2.3	4.75	23.0	<0.02	2	<0.1	3.8	<10	<2	
1389122	Drill Core	0.16	1.92	3.2	1.0	<0.05	2.6	5.66	27.5	<0.02	3	0.3	10.0	<10	<2	
REP 1389122	QC	0.16	2.01	3.2	0.6	<0.05	2.6	5.62	27.6	<0.02	2	0.1	9.9	<10	<2	
1389138	Drill Core	0.03	0.04	8.3	0.2	<0.05	0.7	8.53	50.3	0.02	7	0.9	5.1	<10	<2	0.029
REP 1389138	QC															0.026
1389148	Drill Core	0.06	0.03	7.5	0.1	<0.05	1.3	3.17	14.2	<0.02	40	0.3	0.9	16	<2	
REP 1389148	QC	0.04	0.02	7.5	<0.1	<0.05	1.3	2.99	15.1	<0.02	50	0.1	0.9	20	<2	
Core Reject Duplicates																
1389114	Drill Core	0.14	2.68	2.6	0.8	<0.05	2.5	7.77	38.1	<0.02	8	0.7	9.7	<10	<2	
DUP 1389114	QC	0.19	2.74	2.7	0.7	<0.05	2.5	7.82	37.8	<0.02	9	0.7	9.2	<10	<2	
1389149	Drill Core	0.06	0.16	6.3	0.1	<0.05	1.4	3.30	19.0	<0.02	76	0.2	1.4	19	<2	
DUP 1389149	QC	0.06	0.17	6.5	0.1	<0.05	1.5	3.22	18.1	<0.02	74	0.3	1.3	24	<2	
Reference Materials																
STD DS8	Standard	0.09	1.31	36.3	7.9	<0.05	2.2	6.52	28.6	2.54	46	4.5	26.1	100	336	
STD DS8	Standard	0.11	1.39	37.5	7.5	<0.05	2.4	7.16	32.4	2.39	50	4.8	27.3	111	355	
STD DS8	Standard	0.10	1.46	39.6	7.3	<0.05	2.3	7.17	31.0	2.35	54	4.8	25.9	82	345	
STD DS8	Standard	0.08	1.36	38.9	7.1	<0.05	2.1	6.76	30.5	2.53	58	4.4	28.3	103	347	
STD NBLG	Standard															<0.005
STD W107	Standard															0.405
STD W107 Expected																0.42
STD DS8 Expected		0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank															<0.005
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	

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Report Date: November 09, 2011

QUALITY CONTROL REPORT VAN11004117.2

		WGHT Wgt kg 0.01	1F30 Mo ppm 0.01	1F30 Cu ppm 0.01	1F30 Pb ppm 0.01	1F30 Zn ppm 0.1	1F30 Ag ppb 2	1F30 Ni ppm 0.1	1F30 Co ppm 0.1	1F30 Mn ppm 1	1F30 Fe % 0.01	1F30 As ppm 0.1	1F30 U ppm 0.1	1F30 Au ppb 0.2	1F30 Th ppm 0.1	1F30 Sr ppm 0.5	1F30 Cd ppm 0.01	1F30 Sb ppm 0.02	1F30 Bi ppm 0.02	1F30 V ppm 2	1F30 Ca % 0.01
Prep Wash																					
G1	Prep Blank	<0.01																			
G1	Prep Blank	<0.01	0.09	2.22	3.16	47.6	10	1.8	3.7	570	2.03	1.2	1.6	1.0	6.8	77.9	<0.01	<0.02	0.04	37	0.50
G1	Prep Blank		0.10	2.58	2.98	46.4	14	1.2	3.6	546	2.01	0.7	1.8	0.5	6.8	75.8	<0.01	<0.02	0.05	38	0.55

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		1F30 P % 0.001	1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Tl ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1	1F30 Cs ppm 0.02	1F30 Ge ppm 0.1
Prep Wash																					
G1	Prep Blank																				
G1	Prep Blank	0.080	17.0	4.0	0.52	109.3	0.117	<1	0.87	0.054	0.37	<0.1	1.9	0.29	<0.02	<5	<0.1	<0.02	4.9	2.46	<0.1
G1	Prep Blank	0.080	17.5	3.3	0.47	117.0	0.116	3	0.87	0.059	0.37	<0.1	1.8	0.30	<0.02	<5	<0.1	<0.02	4.7	2.52	<0.1

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		1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	7KPW % 0.005
Prep Wash																
G1	Prep Blank															
G1	Prep Blank	0.09	0.46	39.1	0.5	<0.05	1.3	5.30	26.0	<0.02	<1	<0.1	28.2	<10	<2	
G1	Prep Blank	0.09	0.50	38.5	0.5	<0.05	1.6	5.30	26.4	<0.02	<1	<0.1	28.7	<10	<2	

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Client: **Emgold Mining Corp.**
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Submitted By: Rob Pease
Receiving Lab: Canada-Vancouver
Received: August 24, 2011
Report Date: November 09, 2011
Page: 1 of 6

CERTIFICATE OF ANALYSIS VAN11004172.2

CLIENT JOB INFORMATION

Project: Stewart
Shipment ID: Stewy 4
P.O. Number
Number of Samples: 142

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
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
R200-500	133	Crush, split and pulverize 500 g rock to 200 mesh			VAN
1F03	142	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
7KP	6	Phosphoric acid leach, ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : 1F06 full package included.

Invoice To: Emgold Mining Corp.
PO Box 1836
Grass Valley California 95945
USA

CC: Perry Grunenbery

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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CERTIFICATE OF ANALYSIS VAN11004172.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389157	Drill Core	4.85	588.4	116.8	5.74	44.5	223	19.1	9.2	784	2.98	0.6	3.5	10.3	5.2	78.4	0.46	0.13	1.14	64	1.37
1389158	Drill Core	4.11	520.8	81.96	5.83	30.1	158	19.3	8.4	762	2.85	0.2	2.4	9.7	4.5	71.8	0.10	0.16	1.18	62	1.51
1389159	Drill Core	3.56	130.7	75.11	4.74	67.8	243	21.0	7.8	1049	2.76	11.7	2.9	6.4	4.7	52.9	0.34	0.98	1.05	86	0.68
1389160	Rock	0.37	0.97	0.82	0.46	6.0	3	1.5	0.8	197	0.42	2.2	0.4	<0.2	<0.1	29.0	0.03	<0.02	<0.02	2	17.42
1389161	Rock Pulp	0.08	1006	8758	38.64	152.9	3956	36.8	19.4	508	4.17	28.5	0.5	628.0	1.2	36.8	1.03	5.01	1.13	96	0.88
1389162	Drill Core	3.06	617.9	53.05	5.36	31.3	179	9.6	4.3	602	1.99	4.7	2.6	18.6	5.0	40.4	0.09	0.46	0.94	59	0.38
1389163	Drill Core	2.39	296.0	67.24	3.55	19.6	155	7.1	4.8	350	1.85	0.3	2.1	8.4	4.1	38.1	0.13	0.07	0.77	36	0.39
1389164	Drill Core	1.23	144.9	79.45	2.77	82.4	189	46.8	12.7	760	3.00	2.3	1.1	3.8	1.7	38.4	0.17	0.43	0.63	124	1.73
1389165	Drill Core	3.31	439.4	69.06	4.34	50.6	229	24.3	7.8	699	2.39	2.4	1.9	6.2	3.8	30.2	0.14	0.33	1.23	68	0.98
1389166	Drill Core	3.13	208.5	146.5	12.40	49.4	813	22.9	10.7	1013	3.81	22.1	3.9	93.0	6.8	37.1	0.19	1.09	5.36	66	0.24
1389167	Drill Core	2.66	156.3	113.1	6.88	79.0	477	26.3	9.5	1149	3.23	23.6	4.4	17.6	5.0	34.3	0.41	1.16	2.17	95	0.42
1389168	Drill Core	2.89	104.1	135.4	7.83	104.2	489	33.0	10.2	1414	3.90	18.1	5.3	22.2	4.9	31.9	0.42	1.14	3.24	140	0.37
1389169	Drill Core	3.37	1842	204.0	9.21	109.7	745	45.9	17.5	1432	5.66	29.3	5.2	67.8	4.4	33.9	0.39	1.81	9.68	123	0.59
1389170	Rock	0.39	1.88	3.17	0.49	5.2	7	1.5	0.8	223	0.46	2.3	0.4	0.4	<0.1	27.0	0.04	<0.02	0.05	<2	17.79
1389171	Rock Pulp	0.08	979.1	8813	37.78	154.0	3845	36.2	18.9	504	4.17	28.3	0.5	662.2	1.2	36.5	0.99	4.78	1.13	98	0.87
1389172	Drill Core	4.06	449.0	64.65	4.01	27.1	187	14.7	4.9	540	2.05	4.4	4.4	14.2	8.2	50.2	0.17	0.32	1.33	54	1.02
1389173	Drill Core	2.99	688.1	91.68	7.30	53.8	490	16.4	7.4	785	2.49	33.8	3.2	28.8	4.8	110.0	0.69	0.67	1.50	44	2.45
1389174	Drill Core	2.67	484.6	71.53	22.36	81.1	422	16.4	6.5	736	2.21	80.2	6.3	18.5	7.9	161.4	0.65	1.88	1.30	45	2.58
1389175	Drill Core	2.95	868.6	49.14	9.69	32.9	426	5.9	4.0	509	1.63	24.2	2.9	21.1	5.2	113.1	0.18	1.04	1.67	15	1.68
1389176	Drill Core	3.61	6.82	20.95	9.52	53.1	147	12.0	17.8	756	3.72	3.3	0.7	73.8	2.9	256.0	0.12	1.41	0.16	67	3.66
1389177	Drill Core	2.44	190.7	45.87	14.90	71.2	642	3.5	3.4	492	1.26	7.8	2.0	79.2	5.2	70.7	0.43	1.32	1.21	4	0.67
1389178	Drill Core	2.81	696.1	32.88	34.49	52.9	1134	3.6	3.0	548	1.39	7.5	2.4	17.2	4.4	240.7	0.72	1.64	1.18	5	1.89
1389179	Drill Core	2.43	522.7	24.36	26.92	50.8	1296	3.4	2.3	559	1.26	5.6	1.9	13.0	5.0	95.7	0.66	0.98	1.23	5	1.37
1389180	Drill Core	5.85	224.7	30.27	24.77	87.4	912	2.5	2.7	612	1.48	38.5	2.9	156.5	5.1	189.7	1.32	2.56	1.09	9	1.61
1389181	Drill Core	5.70	337.5	36.08	6.81	17.6	229	5.2	3.4	588	1.43	4.7	2.9	9.0	5.3	137.0	0.13	0.63	0.79	25	1.72
1389182	Drill Core	2.40	78.91	35.12	12.96	35.6	387	3.0	3.0	655	1.44	36.1	2.6	14.0	4.9	158.2	0.55	1.02	1.83	10	1.21
1389183	Drill Core	5.34	193.1	35.13	10.13	25.7	271	4.7	3.2	1064	1.50	32.1	3.3	6.2	5.0	276.5	0.32	0.94	0.77	19	2.14
1389184	Drill Core	6.11	114.9	39.76	5.58	21.0	160	5.3	3.6	661	1.53	2.7	2.8	4.2	4.7	168.4	0.20	0.35	0.64	25	1.89
1389185	Drill Core	5.57	233.3	37.91	6.34	46.9	213	3.9	3.3	557	1.48	6.9	2.6	6.1	4.6	138.4	0.72	0.57	0.85	22	1.72
1389186	Drill Core	5.10	172.8	49.02	8.54	34.8	304	2.3	2.6	593	1.28	22.0	2.3	4.1	4.7	146.5	0.57	0.54	0.79	10	1.91

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PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004172.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389157	Drill Core	0.045	11.9	28.9	0.52	59.1	0.036	<1	0.63	0.035	0.37	34.7	2.9	0.35	1.40	<5	2.4	0.07	3.2	3.36	0.1
1389158	Drill Core	0.048	12.1	24.3	0.56	52.5	0.034	<1	0.60	0.032	0.29	1.0	2.8	0.26	1.19	<5	2.0	0.05	3.0	2.49	<0.1
1389159	Drill Core	0.062	14.7	36.5	0.64	152.8	0.047	<1	0.98	0.052	0.18	4.0	4.6	0.16	0.34	<5	1.0	0.08	4.0	1.27	<0.1
1389160	Rock	0.016	<0.5	0.5	11.42	20.3	0.001	<1	0.04	0.003	0.03	<0.1	0.1	<0.02	<0.02	<5	0.4	<0.02	<0.1	0.25	<0.1
1389161	Rock Pulp	0.073	6.2	58.5	1.02	69.9	0.116	4	1.66	0.105	0.53	14.4	6.1	0.42	1.88	102	5.0	0.67	5.8	2.21	0.1
1389162	Drill Core	0.036	12.5	16.6	0.42	89.8	0.040	<1	0.69	0.041	0.20	4.4	2.4	0.13	0.38	<5	0.8	0.07	3.0	1.01	0.1
1389163	Drill Core	0.038	12.0	6.1	0.27	55.5	0.044	<1	0.40	0.046	0.13	1.4	1.2	0.07	0.70	<5	1.3	0.05	2.0	0.77	<0.1
1389164	Drill Core	0.088	5.7	58.9	1.00	83.8	0.108	<1	0.86	0.070	0.32	0.8	4.4	0.28	1.12	<5	3.8	0.09	3.9	2.46	0.2
1389165	Drill Core	0.067	9.1	34.5	0.57	84.5	0.070	<1	0.62	0.052	0.16	3.4	2.7	0.11	0.73	<5	1.7	0.09	3.1	1.06	<0.1
1389166	Drill Core	0.055	15.7	23.4	0.75	228.9	0.013	<1	1.53	0.032	0.21	7.5	3.0	0.12	0.08	<5	1.0	0.45	6.9	0.91	<0.1
1389167	Drill Core	0.062	11.7	34.6	0.73	189.7	0.030	<1	1.40	0.024	0.15	3.9	4.2	0.08	0.07	<5	0.8	0.19	5.7	0.92	<0.1
1389168	Drill Core	0.089	12.7	53.4	1.07	165.0	0.023	<1	1.77	0.032	0.16	9.4	5.6	0.11	<0.02	<5	0.8	0.19	7.9	1.44	<0.1
1389169	Drill Core	0.150	13.3	54.3	0.92	54.8	0.032	<1	1.63	0.024	0.15	42.9	5.0	0.19	1.68	<5	3.8	0.55	7.5	1.31	<0.1
1389170	Rock	0.013	<0.5	0.5	11.47	24.0	<0.001	<1	0.02	0.002	<0.01	<0.1	0.1	<0.02	0.03	<5	0.4	<0.02	<0.1	0.07	<0.1
1389171	Rock Pulp	0.074	6.1	58.7	1.02	71.8	0.113	4	1.66	0.103	0.53	14.2	6.1	0.42	1.91	117	5.2	0.61	5.8	2.18	<0.1
1389172	Drill Core	0.051	14.6	14.6	0.21	56.3	0.028	<1	0.55	0.036	0.16	1.5	1.8	0.10	0.72	<5	1.5	0.11	2.6	1.10	<0.1
1389173	Drill Core	0.063	10.1	15.6	0.37	41.6	0.028	2	0.61	0.046	0.16	0.8	2.2	0.08	1.25	<5	1.9	0.12	2.4	0.73	<0.1
1389174	Drill Core	0.051	7.7	10.6	0.40	47.6	0.011	2	0.76	0.044	0.14	5.2	2.9	0.06	0.97	<5	1.5	0.12	2.5	0.85	<0.1
1389175	Drill Core	0.036	9.7	3.0	0.27	85.3	0.003	2	0.48	0.028	0.17	0.7	1.5	0.08	0.75	<5	1.0	0.16	1.4	0.80	<0.1
1389176	Drill Core	0.288	15.7	42.3	2.07	194.1	0.026	2	1.35	0.035	0.41	0.3	8.2	0.18	0.73	9	0.3	<0.02	3.8	3.42	<0.1
1389177	Drill Core	0.032	14.0	0.7	0.12	187.8	<0.001	4	0.36	0.018	0.20	0.9	1.0	0.12	0.33	<5	0.5	0.10	1.0	1.31	<0.1
1389178	Drill Core	0.035	8.4	1.9	0.19	76.2	<0.001	4	0.31	0.019	0.17	0.6	1.2	0.07	0.57	<5	0.8	0.07	0.9	0.58	<0.1
1389179	Drill Core	0.028	8.7	1.0	0.26	54.0	<0.001	3	0.50	0.011	0.17	0.7	1.1	0.07	0.39	<5	0.7	0.07	1.1	0.50	<0.1
1389180	Drill Core	0.032	9.6	1.2	0.18	70.9	0.005	3	0.38	0.025	0.25	0.6	0.8	0.10	0.81	<5	0.8	0.05	1.4	0.60	<0.1
1389181	Drill Core	0.036	14.8	8.8	0.33	52.0	0.018	<1	0.43	0.030	0.25	24.5	1.3	0.18	0.60	<5	0.8	0.07	2.1	1.54	<0.1
1389182	Drill Core	0.033	13.9	1.0	0.16	78.3	0.002	1	0.35	0.032	0.20	1.0	0.9	0.09	0.48	<5	0.7	0.08	1.4	0.65	<0.1
1389183	Drill Core	0.036	10.8	5.2	0.35	47.1	0.006	1	0.35	0.025	0.22	2.2	1.7	0.11	0.60	<5	0.7	0.05	1.5	0.88	<0.1
1389184	Drill Core	0.032	12.1	6.1	0.32	52.0	0.022	<1	0.40	0.036	0.24	0.5	1.3	0.14	0.67	<5	0.9	0.05	1.9	1.13	<0.1
1389185	Drill Core	0.035	12.7	4.7	0.26	93.6	0.015	<1	0.43	0.032	0.21	2.4	1.0	0.12	0.66	<5	0.9	0.08	1.8	1.02	<0.1
1389186	Drill Core	0.043	16.5	1.7	0.21	58.0	0.005	3	0.45	0.033	0.20	0.2	1.2	0.08	0.58	<5	0.8	<0.02	1.6	0.73	<0.1

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CERTIFICATE OF ANALYSIS VAN11004172.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1389157	Drill Core	0.14	0.26	34.4	0.3	<0.05	2.8	6.43	22.6	<0.02	329	0.3	10.7	<10	<2	
1389158	Drill Core	0.10	0.23	27.3	0.3	<0.05	1.9	7.45	24.1	<0.02	256	0.4	11.8	<10	<2	
1389159	Drill Core	0.12	0.11	11.7	0.4	<0.05	2.1	8.77	28.8	0.03	73	1.1	12.3	<10	<2	
1389160	Rock	<0.02	<0.02	1.0	<0.1	<0.05	<0.1	0.61	0.9	<0.02	<1	<0.1	0.9	<10	<2	
1389161	Rock Pulp	0.14	0.07	24.7	1.4	<0.05	4.3	9.05	15.0	0.08	837	0.4	7.4	<10	3	
1389162	Drill Core	0.11	0.23	11.6	0.3	<0.05	2.1	5.43	24.1	<0.02	256	0.6	9.0	<10	<2	
1389163	Drill Core	0.11	0.61	7.8	0.3	<0.05	1.9	4.71	22.7	<0.02	154	0.3	5.9	<10	<2	
1389164	Drill Core	0.12	0.13	25.6	0.4	<0.05	2.0	6.33	11.0	0.02	95	0.5	17.2	<10	3	
1389165	Drill Core	0.12	0.23	11.0	0.4	<0.05	1.9	5.95	15.8	<0.02	266	0.6	11.0	<10	<2	
1389166	Drill Core	0.07	0.03	12.3	0.3	<0.05	1.6	8.33	29.1	<0.02	21	1.3	26.7	<10	<2	
1389167	Drill Core	0.07	0.03	8.4	0.4	<0.05	1.5	8.40	22.0	0.03	46	1.5	25.5	<10	<2	
1389168	Drill Core	0.10	0.02	12.3	0.5	<0.05	1.9	11.66	24.8	0.02	11	1.6	37.4	<10	<2	
1389169	Drill Core	0.11	0.06	11.9	0.4	<0.05	2.0	12.11	23.9	0.03	804	2.2	25.2	<10	2	
1389170	Rock	<0.02	<0.02	0.3	<0.1	<0.05	<0.1	0.57	0.7	<0.02	<1	<0.1	0.5	<10	<2	
1389171	Rock Pulp	0.15	0.08	24.8	1.3	<0.05	4.4	8.83	15.2	0.09	826	0.3	7.6	<10	2	
1389172	Drill Core	0.09	0.23	10.9	0.2	<0.05	1.5	6.65	28.5	<0.02	296	0.5	9.7	<10	<2	
1389173	Drill Core	0.09	0.21	7.8	0.3	<0.05	1.8	6.26	19.2	<0.02	379	0.6	7.1	<10	<2	
1389174	Drill Core	0.06	0.03	6.5	0.1	<0.05	1.5	6.53	13.5	0.02	241	0.9	9.4	<10	<2	
1389175	Drill Core	0.03	0.05	7.0	<0.1	<0.05	1.0	5.16	19.7	<0.02	502	0.4	4.3	<10	<2	
1389176	Drill Core	0.13	<0.02	19.0	0.3	<0.05	5.3	7.83	42.9	0.03	<1	1.7	22.0	<10	<2	
1389177	Drill Core	0.03	<0.02	8.4	<0.1	<0.05	0.8	4.81	29.2	<0.02	101	0.5	1.3	<10	<2	
1389178	Drill Core	0.03	<0.02	6.8	<0.1	<0.05	0.9	4.35	18.1	<0.02	376	0.4	1.6	<10	<2	
1389179	Drill Core	0.03	<0.02	6.5	<0.1	<0.05	0.9	3.90	17.9	<0.02	305	0.4	3.1	<10	<2	
1389180	Drill Core	0.06	0.11	11.5	0.2	<0.05	1.2	4.18	19.9	<0.02	111	0.3	3.2	<10	<2	
1389181	Drill Core	0.08	0.25	19.1	0.2	<0.05	1.5	5.75	29.8	<0.02	168	0.2	8.3	<10	<2	
1389182	Drill Core	0.05	0.07	10.8	0.1	<0.05	1.1	5.13	28.5	<0.02	52	0.3	3.9	<10	<2	
1389183	Drill Core	0.08	0.14	14.5	0.2	<0.05	1.6	5.85	21.6	0.02	93	0.3	5.4	<10	<2	
1389184	Drill Core	0.09	0.37	16.2	0.3	<0.05	1.8	5.40	24.3	<0.02	67	0.3	7.4	<10	<2	
1389185	Drill Core	0.08	0.25	14.0	0.2	<0.05	1.5	5.17	25.6	<0.02	119	0.3	6.7	<10	<2	
1389186	Drill Core	0.04	0.07	12.3	0.1	<0.05	0.9	6.25	29.1	<0.02	110	0.4	6.6	18	<2	

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CERTIFICATE OF ANALYSIS VAN11004172.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389187	Drill Core	4.21	249.6	33.28	12.55	25.8	756	2.1	2.6	595	1.34	22.5	3.7	12.9	4.3	152.5	0.46	0.72	1.82	8	1.64
1389188	Drill Core	3.41	197.2	36.30	9.46	14.0	368	1.8	2.7	540	1.42	23.6	2.7	5.0	5.0	142.7	0.15	0.55	1.19	13	1.60
1389189	Drill Core	3.67	225.6	27.76	9.91	17.1	282	1.8	2.3	553	1.15	21.8	3.6	3.7	5.5	175.5	0.25	0.64	0.55	10	1.65
1389190	Drill Core	3.84	357.5	33.22	8.01	11.8	285	2.0	2.3	498	1.29	6.4	2.8	4.4	5.0	158.0	0.19	0.46	1.30	16	1.58
1389191	Rock	0.30	0.55	0.48	0.64	6.4	<2	1.4	0.6	194	0.42	3.5	0.4	1.1	<0.1	33.2	0.05	<0.02	0.03	<2	21.66
1389192	Rock Pulp	0.08	349.1	3348	19.20	53.4	1740	28.7	7.1	423	3.16	11.8	0.3	720.1	1.0	28.9	0.42	2.84	0.46	47	0.64
1389193	Drill Core	4.54	287.1	33.94	7.88	13.5	251	2.6	2.4	480	1.29	11.1	3.0	11.9	6.0	158.7	0.16	0.48	0.90	16	1.50
1389194	Drill Core	5.48	240.3	30.65	5.18	15.9	160	3.4	2.4	485	1.25	2.9	2.3	7.5	4.3	123.6	0.15	0.23	0.83	21	1.41
1389195	Drill Core	5.60	61.09	34.15	5.26	14.6	128	1.6	2.3	476	1.29	31.8	1.9	8.3	4.1	157.5	0.14	0.45	0.54	18	1.66
1389196	Drill Core	4.06	147.3	40.68	8.00	11.1	249	2.0	2.5	524	1.32	37.0	2.3	7.8	4.2	173.9	0.14	0.74	0.75	10	1.77
1389197	Drill Core	5.31	79.64	29.93	4.69	23.9	147	1.3	2.1	530	1.79	9.2	2.2	4.8	4.5	191.1	0.13	0.41	0.35	31	1.53
1389198	Drill Core	6.15	151.5	48.28	184.1	34.0	20729	1.8	4.6	552	2.11	50.6	2.4	172.5	4.8	115.0	0.69	7.56	89.41	20	1.50
1389199	Drill Core	4.49	44.42	32.73	13.01	59.0	489	1.7	2.5	660	1.40	30.5	2.1	37.6	4.1	317.8	1.07	0.99	0.86	5	1.92
1389200	Drill Core	3.22	60.88	53.02	19.03	181.8	658	1.7	3.0	880	1.87	75.2	2.1	36.8	3.3	273.0	3.58	3.69	1.18	8	1.92
1389201	Drill Core	3.79	23.19	33.87	7.02	20.6	241	1.1	2.4	650	1.46	18.9	2.4	9.0	4.0	202.1	0.33	1.66	0.52	30	1.71
1389202	Drill Core	8.14	21.44	26.95	11.68	26.7	328	1.3	1.9	593	1.37	82.0	2.3	12.6	3.7	223.4	0.43	2.32	0.54	15	1.46
1389203	Drill Core	7.85	23.46	37.22	6.34	15.7	186	1.1	2.5	446	1.49	4.2	1.9	4.1	3.7	151.5	0.14	0.32	0.60	26	1.40
1389204	Drill Core	8.13	78.39	40.35	6.60	18.2	191	1.3	2.9	475	1.62	1.6	2.8	3.9	5.0	157.5	0.24	0.25	0.64	18	1.49
1389205	Drill Core	7.84	18.17	33.70	5.75	16.2	130	1.1	2.4	547	1.38	1.4	2.2	3.9	4.6	195.3	0.17	0.23	0.41	20	1.73
1389206	Drill Core	7.58	48.10	38.99	7.21	18.8	186	1.4	3.0	579	1.50	3.3	2.3	2.5	4.8	204.0	0.25	0.34	0.67	17	1.83
1389207	Drill Core	8.38	108.0	35.97	7.37	12.8	187	0.9	3.2	517	1.45	4.3	4.3	2.7	5.4	182.7	0.17	0.21	0.55	15	1.63
1389208	Drill Core	7.99	36.11	36.61	8.95	27.0	237	1.7	2.8	534	1.67	8.2	3.2	3.1	5.5	223.7	0.42	0.42	0.73	13	1.72
1389209	Drill Core	7.81	33.92	37.48	8.56	17.5	256	1.0	2.9	576	1.54	4.0	2.5	2.7	4.9	253.8	0.22	0.47	1.15	15	1.74
1389210	Drill Core	8.05	102.1	30.53	7.23	22.5	188	0.8	2.2	520	1.36	14.2	2.3	4.1	4.2	221.4	0.31	0.41	0.43	14	1.42
1389211	Drill Core	8.90	34.10	32.04	12.02	144.9	391	0.8	2.3	528	1.41	28.5	2.8	10.3	5.0	332.9	3.06	0.75	0.62	9	1.62
1389212	Drill Core	9.19	67.48	33.43	12.34	49.0	226	0.7	2.1	512	1.40	7.3	2.4	4.2	4.3	228.3	0.48	0.59	0.48	18	1.37
1389213	Rock	0.29	0.39	1.30	0.76	11.0	<2	0.7	0.7	187	0.43	3.0	0.6	0.3	<0.1	34.5	0.06	<0.02	0.03	<2	22.14
1389214	Rock Pulp	0.09	356.4	3385	19.65	52.9	1805	29.1	7.2	423	3.21	12.0	0.3	843.5	1.0	31.4	0.39	2.99	0.46	50	0.69
1389215	Drill Core	7.61	139.8	37.96	6.10	8.5	178	0.8	2.7	441	1.44	2.5	1.9	1.4	4.1	186.5	0.09	0.30	0.66	16	1.44
1389216	Drill Core	8.80	15.84	36.62	5.08	9.9	193	0.8	2.6	404	1.44	13.4	2.6	3.0	5.4	180.7	0.10	0.66	1.05	16	1.35

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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004172.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389187	Drill Core	0.032	10.8	0.9	0.23	41.1	0.002	2	0.50	0.029	0.19	0.6	0.8	0.08	0.57	<5	0.6	0.06	1.8	0.50	<0.1
1389188	Drill Core	0.034	17.0	0.8	0.25	52.1	0.003	1	0.55	0.034	0.21	0.9	0.8	0.08	0.57	<5	0.8	0.08	2.2	0.54	<0.1
1389189	Drill Core	0.028	11.3	0.8	0.16	70.7	0.003	1	0.39	0.027	0.19	0.4	0.7	0.07	0.51	<5	0.7	0.04	1.5	0.51	<0.1
1389190	Drill Core	0.034	15.3	1.5	0.22	71.4	0.011	2	0.42	0.037	0.24	0.8	1.0	0.11	0.63	<5	0.6	0.08	1.8	0.84	<0.1
1389191	Rock	0.014	<0.5	<0.5	11.46	7.6	<0.001	1	0.02	0.002	<0.01	<0.1	0.1	<0.02	<0.02	<5	0.4	<0.02	<0.1	0.05	<0.1
1389192	Rock Pulp	0.046	4.4	29.4	0.39	104.6	0.086	5	1.21	0.080	0.10	0.9	3.1	0.08	0.39	77	1.2	0.16	4.4	0.34	<0.1
1389193	Drill Core	0.034	17.1	2.4	0.24	54.3	0.008	2	0.47	0.037	0.21	0.7	1.0	0.09	0.55	<5	0.7	0.05	2.1	0.64	<0.1
1389194	Drill Core	0.036	11.7	4.4	0.23	35.0	0.025	<1	0.37	0.041	0.18	0.3	1.0	0.11	0.52	<5	0.7	0.06	1.7	0.71	<0.1
1389195	Drill Core	0.035	14.3	1.2	0.20	57.8	0.019	1	0.40	0.048	0.21	0.5	0.9	0.11	0.57	<5	0.7	0.05	1.8	0.69	<0.1
1389196	Drill Core	0.030	12.3	0.9	0.16	80.8	0.003	2	0.40	0.030	0.18	4.0	0.8	0.09	0.63	<5	0.8	0.05	1.6	0.54	<0.1
1389197	Drill Core	0.040	16.0	1.2	0.22	108.8	0.025	2	0.48	0.064	0.12	0.5	1.1	0.04	0.59	<5	0.6	<0.02	2.4	0.55	<0.1
1389198	Drill Core	0.038	16.7	1.1	0.25	34.6	0.006	2	0.57	0.037	0.17	27.8	1.1	0.09	1.10	<5	2.1	3.45	2.6	0.71	<0.1
1389199	Drill Core	0.030	9.3	1.0	0.17	41.2	<0.001	4	0.40	0.027	0.24	9.0	0.9	0.09	0.66	5	0.7	0.05	1.2	0.74	<0.1
1389200	Drill Core	0.034	7.4	1.1	0.20	48.8	0.002	4	0.32	0.022	0.24	5.5	0.9	0.10	0.92	<5	1.0	0.07	1.1	0.85	<0.1
1389201	Drill Core	0.033	13.1	0.8	0.18	58.4	0.013	2	0.34	0.041	0.21	39.1	0.7	0.09	0.60	<5	0.6	0.05	1.6	0.77	<0.1
1389202	Drill Core	0.033	10.6	1.2	0.17	45.4	0.010	2	0.28	0.036	0.18	19.2	0.7	0.07	0.49	<5	0.5	0.04	1.2	0.52	<0.1
1389203	Drill Core	0.039	14.9	1.2	0.20	57.1	0.030	1	0.36	0.057	0.20	12.5	0.8	0.10	0.68	<5	0.7	0.05	1.9	0.92	<0.1
1389204	Drill Core	0.034	16.1	1.3	0.19	51.5	0.022	<1	0.35	0.041	0.23	11.6	0.8	0.12	0.79	<5	0.9	0.05	1.7	0.94	<0.1
1389205	Drill Core	0.034	16.9	1.1	0.21	55.3	0.019	<1	0.39	0.048	0.23	5.2	0.9	0.11	0.62	<5	0.7	0.04	1.9	0.98	<0.1
1389206	Drill Core	0.033	16.1	1.3	0.20	50.3	0.009	<1	0.38	0.036	0.22	3.0	0.9	0.11	0.73	<5	0.8	0.03	1.9	0.91	<0.1
1389207	Drill Core	0.027	13.4	1.1	0.17	57.1	0.011	1	0.36	0.037	0.24	16.4	0.7	0.11	0.79	<5	0.9	0.06	1.7	0.79	<0.1
1389208	Drill Core	0.031	13.0	2.0	0.19	59.8	0.004	1	0.39	0.030	0.22	11.1	0.8	0.10	0.82	<5	1.0	0.05	1.7	0.88	<0.1
1389209	Drill Core	0.029	14.7	0.8	0.19	40.9	0.007	1	0.46	0.039	0.21	4.3	0.8	0.09	0.69	<5	0.9	0.07	2.0	0.69	<0.1
1389210	Drill Core	0.028	13.5	0.7	0.16	86.9	0.009	1	0.35	0.038	0.16	1.2	0.7	0.06	0.60	<5	0.6	0.05	1.6	0.61	<0.1
1389211	Drill Core	0.026	11.6	0.7	0.15	56.6	0.004	2	0.35	0.036	0.20	8.1	0.7	0.08	0.70	<5	0.7	0.04	1.3	0.64	<0.1
1389212	Drill Core	0.030	13.8	0.8	0.16	52.1	0.018	<1	0.33	0.043	0.16	3.9	0.7	0.06	0.60	<5	0.6	0.03	1.6	0.59	<0.1
1389213	Rock	0.016	<0.5	1.0	11.24	38.1	0.001	<1	0.06	0.004	0.04	<0.1	0.2	<0.02	<0.02	<5	0.4	<0.02	0.2	0.12	<0.1
1389214	Rock Pulp	0.046	4.7	30.8	0.39	104.6	0.095	4	1.27	0.085	0.11	0.9	3.2	0.08	0.39	76	1.1	0.18	4.5	0.39	<0.1
1389215	Drill Core	0.031	13.5	0.8	0.16	48.0	0.017	1	0.35	0.039	0.21	1.7	0.7	0.10	0.73	<5	0.8	0.07	1.5	0.80	<0.1
1389216	Drill Core	0.029	13.3	1.0	0.15	42.9	0.020	1	0.34	0.047	0.20	0.9	0.6	0.09	0.69	<5	0.7	0.07	1.5	0.69	<0.1

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CERTIFICATE OF ANALYSIS VAN11004172.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1389187	Drill Core	0.04	0.03	8.6	<0.1	<0.05	0.9	4.43	22.2	<0.02	132	0.4	5.5	<10	<2	
1389188	Drill Core	0.04	0.04	10.2	0.1	<0.05	1.0	5.50	32.8	<0.02	99	0.3	7.8	<10	<2	
1389189	Drill Core	0.05	0.08	10.4	0.1	<0.05	1.1	4.42	22.9	<0.02	121	0.3	4.7	<10	<2	
1389190	Drill Core	0.07	0.24	14.9	0.2	<0.05	1.4	5.65	28.1	<0.02	167	0.2	6.8	<10	<2	
1389191	Rock	<0.02	<0.02	0.3	<0.1	<0.05	<0.1	0.54	0.6	<0.02	2	<0.1	0.5	<10	<2	
1389192	Rock Pulp	0.25	0.10	3.7	1.7	<0.05	7.0	6.74	10.0	0.04	290	0.2	7.5	<10	<2	
1389193	Drill Core	0.06	0.13	11.7	0.2	<0.05	1.2	5.62	31.1	<0.02	158	0.3	7.2	<10	<2	
1389194	Drill Core	0.11	0.42	11.9	0.2	<0.05	1.7	5.09	22.2	<0.02	124	0.3	6.0	<10	<2	
1389195	Drill Core	0.08	0.34	12.5	0.2	<0.05	1.5	5.38	27.8	<0.02	28	0.3	5.6	<10	<2	
1389196	Drill Core	0.04	0.08	9.8	0.2	<0.05	0.9	5.12	24.5	<0.02	75	0.3	5.1	<10	<2	
1389197	Drill Core	0.09	0.35	5.3	0.3	<0.05	1.5	7.07	32.7	<0.02	42	0.6	6.6	<10	<2	
1389198	Drill Core	0.05	0.10	8.8	0.2	<0.05	0.9	7.09	33.2	<0.02	79	0.5	9.7	<10	<2	
1389199	Drill Core	0.03	<0.02	10.2	<0.1	<0.05	0.7	5.77	19.1	<0.02	30	0.6	2.9	<10	<2	
1389200	Drill Core	0.04	0.05	12.5	0.2	<0.05	0.9	4.90	15.0	<0.02	26	0.4	3.0	<10	<2	
1389201	Drill Core	0.10	0.39	12.1	0.3	<0.05	2.0	5.41	24.9	<0.02	18	0.3	3.8	<10	<2	
1389202	Drill Core	0.06	0.24	8.8	0.2	<0.05	1.3	4.57	21.4	<0.02	13	0.3	2.9	<10	<2	
1389203	Drill Core	0.10	0.73	12.5	0.3	<0.05	1.8	6.41	30.3	<0.02	14	0.2	5.8	<10	<2	
1389204	Drill Core	0.09	0.61	14.5	0.3	<0.05	1.8	5.61	30.3	<0.02	44	0.2	6.0	<10	<2	
1389205	Drill Core	0.10	0.42	13.8	0.2	<0.05	1.6	6.69	32.7	<0.02	14	0.3	6.4	<10	<2	
1389206	Drill Core	0.07	0.21	13.8	0.2	<0.05	1.4	6.67	31.4	<0.02	25	0.4	6.2	<10	<2	
1389207	Drill Core	0.10	0.32	14.1	0.3	<0.05	2.0	5.15	26.4	<0.02	33	0.3	4.9	<10	<2	
1389208	Drill Core	0.07	0.11	13.8	0.2	<0.05	1.5	5.06	25.6	<0.02	21	0.3	5.2	<10	<2	
1389209	Drill Core	0.06	0.14	11.4	0.2	<0.05	1.1	6.11	29.4	<0.02	25	0.3	6.4	<10	<2	
1389210	Drill Core	0.05	0.21	8.4	0.1	<0.05	1.0	5.28	25.8	<0.02	41	0.3	4.6	<10	<2	
1389211	Drill Core	0.05	0.12	10.1	0.1	<0.05	1.1	4.89	22.6	<0.02	19	0.3	3.5	<10	<2	
1389212	Drill Core	0.09	0.42	8.1	0.2	<0.05	1.6	5.79	26.8	<0.02	27	0.3	4.3	<10	<2	
1389213	Rock	<0.02	<0.02	1.0	<0.1	<0.05	<0.1	0.59	0.9	<0.02	2	<0.1	1.1	<10	<2	
1389214	Rock Pulp	0.25	0.12	4.1	1.7	<0.05	7.9	7.04	11.0	0.05	279	0.2	7.7	<10	<2	
1389215	Drill Core	0.07	0.52	13.1	0.2	<0.05	1.4	5.34	26.1	<0.02	59	0.2	4.5	<10	<2	
1389216	Drill Core	0.08	0.62	11.3	0.2	<0.05	1.5	5.30	25.7	<0.02	7	0.3	4.2	<10	<2	

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CERTIFICATE OF ANALYSIS VAN11004172.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389217	Drill Core	6.52	94.39	40.62	12.11	16.8	521	0.7	3.5	515	1.73	14.4	4.7	7.0	7.0	266.5	0.31	0.66	1.13	11	1.34
1389218	Drill Core	3.62	5.68	34.30	3.54	29.5	138	0.8	1.8	324	1.38	2.1	3.4	2.7	6.1	146.5	0.48	0.14	0.43	25	0.90
1389219	Drill Core	6.27	45.79	33.73	7.20	14.1	255	0.8	2.5	713	1.69	10.0	3.2	5.8	5.7	277.5	0.24	0.34	0.79	10	1.52
1389220	Drill Core	7.78	57.71	33.59	8.52	14.9	369	0.7	2.5	463	1.48	5.2	3.0	25.2	6.6	174.8	0.17	0.19	1.00	19	1.14
1389221	Drill Core	8.06	62.30	62.44	13.70	16.2	561	1.0	3.6	687	2.60	24.5	5.4	16.5	8.7	433.0	0.29	0.63	1.06	8	1.45
1389222	Drill Core	8.81	48.59	123.2	37.21	124.4	3386	1.5	10.3	674	4.94	1503	2.5	162.1	4.3	382.5	3.46	1.44	7.94	14	1.71
1389223	Drill Core	8.09	160.7	59.16	13.57	19.8	643	0.7	3.0	587	2.06	81.5	2.8	27.5	4.7	283.2	0.21	0.53	1.45	13	1.51
1389224	Drill Core	9.41	62.83	40.60	18.49	20.5	926	0.6	2.4	379	1.55	11.4	3.2	9.0	5.7	187.9	0.19	0.42	1.83	15	1.12
1389225	Drill Core	7.94	94.13	55.12	6.90	11.1	177	0.9	3.2	347	1.39	2.8	4.7	4.9	8.6	161.1	0.09	0.24	1.16	14	1.08
1389226	Drill Core	8.29	170.5	51.19	4.96	15.4	151	0.9	2.9	337	1.50	5.2	4.3	4.9	7.4	149.8	0.14	0.23	1.10	20	1.05
1389227	Drill Core	8.62	134.6	54.80	5.76	14.7	172	1.6	3.3	388	1.56	2.2	3.7	5.3	6.8	169.9	0.08	0.18	1.14	18	1.07
1389228	Drill Core	8.46	87.84	56.21	5.67	11.1	162	1.7	3.4	356	1.66	1.1	5.2	3.0	7.9	147.1	0.05	0.10	0.98	16	0.94
1389229	Drill Core	8.10	39.49	41.32	4.29	11.3	82	0.8	2.4	318	1.24	1.8	4.3	2.3	7.2	124.1	0.07	0.08	0.95	19	1.01
1389230	Drill Core	8.92	57.59	49.59	4.76	10.0	91	0.9	2.8	301	1.36	1.4	5.6	3.2	8.0	132.1	0.08	0.10	2.47	19	1.01
1389231	Drill Core	8.71	48.18	40.81	12.62	25.9	336	0.6	2.3	299	1.27	11.4	8.4	4.3	13.8	172.2	0.17	0.32	1.71	14	0.99
1389232	Drill Core	8.53	102.7	38.31	5.21	9.7	94	0.7	2.3	306	1.23	1.5	5.4	2.8	8.3	147.8	0.03	0.10	1.41	17	1.01
1389233	Drill Core	8.76	177.0	34.12	9.20	13.2	122	0.7	2.2	335	1.22	3.5	7.8	3.2	12.6	169.8	0.04	0.21	1.50	13	0.96
1389234	Drill Core	4.18	69.25	47.02	6.18	18.6	182	1.1	2.9	523	1.49	16.9	4.3	8.2	7.5	305.2	0.10	0.41	1.83	17	1.75
1389235	Rock	0.30	0.81	0.65	1.04	12.3	<2	2.1	0.7	227	0.39	4.1	0.4	<0.2	<0.1	39.4	0.05	<0.02	<0.02	<2	24.56
1389236	Rock Pulp	0.06	354.4	3402	24.06	54.4	1783	30.9	8.0	420	3.04	13.5	0.3	890.2	1.2	35.2	0.41	3.58	0.57	46	0.62
1389237	Drill Core	4.71	198.8	51.96	602.1	2435	1196	1.0	3.2	362	1.46	24.7	8.5	11.3	9.6	280.3	17.64	1.04	2.19	9	1.47
1389238	Drill Core	6.10	359.1	74.40	11.53	16.8	356	4.1	5.3	603	2.11	3.6	2.3	3.2	5.5	143.5	0.25	0.43	1.42	14	0.84
1389239	Rock	0.26	1.08	0.78	1.14	12.3	3	2.2	0.7	269	0.39	3.4	0.6	0.6	<0.1	47.6	0.06	<0.02	<0.02	<2	23.32
1389240	Rock Pulp	0.08	999.1	8716	45.25	158.8	3803	37.0	19.0	504	4.29	34.8	0.6	626.0	1.4	44.9	1.22	6.28	1.47	94	0.90
1389241	Drill Core	2.69	145.1	57.78	5.40	20.4	200	2.3	3.7	542	1.53	3.6	2.4	3.3	5.1	99.7	0.11	0.43	1.16	27	1.16
1389242	Drill Core	3.33	390.2	60.57	10.93	34.4	672	6.2	4.8	811	1.55	15.1	5.1	6.7	7.6	92.7	0.71	1.16	1.88	14	0.36
1389243	Drill Core	4.20	314.8	34.53	9.14	20.9	323	3.3	2.4	561	1.18	4.1	5.8	4.9	9.7	102.2	0.29	0.85	1.14	18	0.67
1389244	Drill Core	2.74	1385	38.49	14.50	19.2	691	6.0	3.1	795	1.35	11.0	2.9	13.9	7.7	137.9	0.53	1.54	3.03	14	0.94
1389245	Drill Core	5.84	406.4	75.05	18.66	40.5	983	9.0	6.8	1328	1.86	17.5	7.3	18.2	7.6	76.3	0.85	2.44	2.78	25	0.23
1389246	Rock	0.21	1.15	1.60	1.70	14.2	22	2.3	0.6	222	0.39	3.1	0.2	1.5	<0.1	47.5	0.05	0.05	0.13	<2	23.09

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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004172.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389217	Drill Core	0.022	9.6	0.8	0.12	41.5	0.007	1	0.34	0.029	0.23	9.8	0.5	0.10	0.85	<5	0.9	0.09	1.4	0.61	<0.1
1389218	Drill Core	0.029	13.5	1.2	0.12	36.2	0.037	<1	0.32	0.067	0.13	4.5	0.5	0.04	0.58	<5	0.5	0.03	1.6	0.42	<0.1
1389219	Drill Core	0.023	9.7	0.8	0.16	33.9	0.007	2	0.30	0.029	0.19	21.1	0.5	0.07	0.74	<5	0.7	0.06	1.3	0.52	<0.1
1389220	Drill Core	0.026	13.4	1.1	0.16	74.7	0.022	<1	0.35	0.050	0.18	6.0	0.7	0.07	0.64	<5	0.7	0.08	1.7	0.59	<0.1
1389221	Drill Core	0.023	7.2	0.7	0.15	54.4	0.003	2	0.39	0.022	0.20	>100	<0.1	0.08	1.40	<5	1.5	0.06	1.6	0.47	<0.1
1389222	Drill Core	0.025	8.1	0.7	0.19	22.8	0.008	1	0.53	0.036	0.18	>100	0.2	0.08	4.26	<5	4.0	0.33	2.1	0.50	<0.1
1389223	Drill Core	0.028	11.4	0.6	0.15	53.8	0.005	2	0.43	0.027	0.17	75.3	0.6	0.07	1.02	<5	1.2	0.08	1.8	0.64	<0.1
1389224	Drill Core	0.023	11.7	1.0	0.13	41.2	0.013	<1	0.36	0.038	0.17	15.9	0.6	0.07	0.77	<5	0.8	0.09	1.5	0.57	<0.1
1389225	Drill Core	0.027	15.1	1.5	0.14	79.3	0.022	2	0.34	0.058	0.18	11.7	0.7	0.08	0.70	12	0.8	0.06	1.6	0.70	<0.1
1389226	Drill Core	0.033	16.9	1.6	0.14	39.5	0.032	2	0.30	0.054	0.12	7.4	0.7	0.05	0.75	<5	1.0	0.08	1.5	0.61	<0.1
1389227	Drill Core	0.031	15.9	1.4	0.16	80.2	0.025	2	0.37	0.056	0.14	12.6	0.8	0.05	0.83	<5	0.9	0.09	1.7	0.55	<0.1
1389228	Drill Core	0.030	15.2	1.6	0.15	48.4	0.031	1	0.30	0.050	0.15	47.0	0.7	0.07	0.90	<5	1.0	0.08	1.4	0.55	<0.1
1389229	Drill Core	0.034	16.2	1.3	0.15	45.7	0.035	2	0.31	0.053	0.14	5.6	0.7	0.06	0.59	8	0.7	0.03	1.7	0.55	<0.1
1389230	Drill Core	0.036	16.8	1.5	0.16	44.1	0.036	2	0.32	0.054	0.15	7.3	0.7	0.08	0.72	8	1.0	0.07	1.9	0.65	<0.1
1389231	Drill Core	0.020	12.8	1.2	0.11	91.8	0.013	2	0.30	0.038	0.15	7.0	0.5	0.06	0.63	<5	0.6	0.07	1.5	0.56	<0.1
1389232	Drill Core	0.028	15.0	1.4	0.13	39.7	0.027	1	0.31	0.050	0.14	3.9	0.5	0.05	0.61	<5	0.6	0.07	1.5	0.45	<0.1
1389233	Drill Core	0.018	12.5	1.2	0.10	34.0	0.009	1	0.28	0.040	0.15	10.7	0.5	0.05	0.59	<5	0.4	0.06	1.5	0.46	<0.1
1389234	Drill Core	0.039	17.0	1.3	0.19	39.0	0.022	3	0.38	0.043	0.14	76.1	1.0	0.05	0.74	<5	0.8	0.13	1.9	0.66	<0.1
1389235	Rock	0.019	<0.5	<0.5	11.57	9.7	<0.001	1	<0.01	0.001	<0.01	<0.1	<0.1	<0.02	<0.02	8	0.1	0.02	<0.1	0.04	<0.1
1389236	Rock Pulp	0.052	5.3	31.2	0.55	123.8	0.104	5	1.20	0.081	0.10	0.9	3.5	0.08	0.40	78	1.1	0.17	4.2	0.37	<0.1
1389237	Drill Core	0.028	10.8	1.2	0.15	34.2	0.003	2	0.27	0.032	0.15	9.1	0.7	0.07	0.98	<5	0.9	0.11	1.3	0.63	<0.1
1389238	Drill Core	0.039	15.2	1.9	0.21	52.6	0.015	1	0.28	0.027	0.22	3.9	1.1	0.11	1.19	7	1.4	0.09	1.1	0.89	<0.1
1389239	Rock	0.021	0.7	0.7	11.14	18.8	0.001	1	0.03	0.002	0.01	<0.1	0.2	<0.02	<0.02	<5	0.2	0.02	<0.1	0.14	<0.1
1389240	Rock Pulp	0.089	7.8	59.5	1.01	79.6	0.139	4	1.68	0.105	0.52	14.5	7.8	0.42	1.99	125	4.6	0.66	5.7	2.13	0.1
1389241	Drill Core	0.060	22.1	1.3	0.26	40.3	0.037	<1	0.35	0.046	0.16	4.4	1.2	0.11	0.68	<5	1.0	0.08	1.8	1.29	<0.1
1389242	Drill Core	0.043	19.2	2.7	0.12	74.7	0.009	2	0.38	0.030	0.21	2.7	1.4	0.11	0.38	<5	0.8	0.10	1.4	0.88	<0.1
1389243	Drill Core	0.040	18.8	3.3	0.19	46.5	0.017	2	0.33	0.032	0.20	8.3	1.3	0.11	0.41	<5	0.5	0.09	1.4	0.93	<0.1
1389244	Drill Core	0.040	17.5	2.4	0.19	42.3	0.004	2	0.31	0.020	0.22	1.9	1.7	0.12	0.60	12	0.9	0.30	1.3	0.68	<0.1
1389245	Drill Core	0.045	16.9	9.0	0.13	117.7	0.016	2	0.44	0.031	0.21	4.5	2.4	0.13	0.20	<5	0.5	0.30	1.5	0.96	<0.1
1389246	Rock	0.020	<0.5	<0.5	11.59	13.2	<0.001	<1	0.02	0.001	0.01	<0.1	<0.1	<0.02	<0.02	<5	0.2	<0.02	<0.1	0.09	<0.1

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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004172.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1389217	Drill Core	0.09	0.23	13.3	0.3	<0.05	1.8	4.20	18.2	<0.02	46	0.3	3.7	<10	<2	
1389218	Drill Core	0.10	1.05	6.3	0.3	<0.05	1.9	5.09	25.4	<0.02	5	0.2	3.1	<10	<2	
1389219	Drill Core	0.07	0.26	10.4	0.3	<0.05	1.4	4.86	18.8	<0.02	28	0.3	3.1	<10	<2	
1389220	Drill Core	0.09	0.62	9.6	0.3	<0.05	1.6	5.35	25.4	<0.02	29	0.3	4.2	<10	<2	
1389221	Drill Core	0.08	0.10	10.8	0.3	<0.05	1.8	4.70	14.6	<0.02	33	0.4	4.0	<10	<2	0.037
1389222	Drill Core	0.06	0.25	9.0	0.3	<0.05	1.1	5.48	16.2	0.02	27	0.4	5.9	<10	<2	0.023
1389223	Drill Core	0.05	0.12	8.6	0.2	<0.05	1.1	5.79	23.2	<0.02	182	0.4	4.8	<10	<2	
1389224	Drill Core	0.07	0.35	8.6	0.2	<0.05	1.3	4.55	22.0	<0.02	28	0.3	4.0	<10	<2	
1389225	Drill Core	0.08	0.50	11.0	0.3	<0.05	1.5	5.54	24.8	<0.02	48	0.4	5.1	14	<2	
1389226	Drill Core	0.08	0.78	6.7	0.3	<0.05	1.5	5.98	27.4	<0.02	116	0.4	4.3	32	<2	
1389227	Drill Core	0.07	0.44	7.2	0.3	<0.05	1.4	5.70	25.6	<0.02	73	0.3	5.4	17	<2	
1389228	Drill Core	0.08	0.80	9.4	0.4	<0.05	1.7	5.07	23.7	<0.02	43	0.3	4.9	<10	<2	
1389229	Drill Core	0.08	0.88	8.6	0.3	<0.05	1.7	5.89	26.0	<0.02	20	0.2	5.5	<10	<2	
1389230	Drill Core	0.10	0.92	9.9	0.4	<0.05	1.8	6.02	26.8	<0.02	26	0.2	6.4	<10	<2	
1389231	Drill Core	0.11	0.37	8.6	0.2	<0.05	2.3	4.74	20.0	<0.02	22	0.2	4.3	<10	<2	
1389232	Drill Core	0.10	0.59	7.9	0.3	<0.05	1.6	5.25	24.4	<0.02	48	0.2	4.3	11	<2	
1389233	Drill Core	0.11	0.28	7.9	0.2	<0.05	2.1	4.30	19.9	<0.02	68	0.3	3.9	23	<2	
1389234	Drill Core	0.08	0.55	8.3	0.2	<0.05	1.5	7.91	29.1	<0.02	38	0.3	5.6	<10	<2	
1389235	Rock	<0.02	0.02	0.3	<0.1	<0.05	<0.1	0.58	0.7	<0.02	3	<0.1	0.5	<10	<2	
1389236	Rock Pulp	0.29	0.09	4.0	2.0	<0.05	7.3	7.10	10.6	<0.02	333	0.1	9.3	*	<2	
1389237	Drill Core	0.06	0.11	8.2	<0.1	<0.05	1.2	5.98	18.0	<0.02	85	0.6	3.6	<10	<2	
1389238	Drill Core	0.08	0.29	14.1	0.2	<0.05	1.8	5.29	24.7	<0.02	194	0.1	6.0	*	<2	
1389239	Rock	<0.02	0.03	0.9	<0.1	<0.05	<0.1	0.91	1.8	<0.02	5	<0.1	0.8	<10	<2	
1389240	Rock Pulp	0.13	0.09	26.8	1.6	<0.05	4.6	10.02	15.5	<0.02	893	0.3	9.2	*	2	
1389241	Drill Core	0.09	0.70	14.1	0.3	<0.05	1.6	7.59	36.8	<0.02	147	0.5	8.5	20	<2	
1389242	Drill Core	0.09	0.21	14.3	0.2	<0.05	2.2	6.89	30.8	<0.02	249	0.4	6.7	*	<2	
1389243	Drill Core	0.10	0.34	14.1	0.3	<0.05	2.4	6.03	28.9	<0.02	188	0.3	6.8	*	<2	
1389244	Drill Core	0.11	0.08	14.8	0.2	<0.05	2.2	5.28	26.0	<0.02	816	0.1	6.4	*	<2	
1389245	Drill Core	0.10	0.22	14.1	0.3	<0.05	2.4	6.25	31.6	<0.02	67	0.4	8.3	*	<2	
1389246	Rock	<0.02	0.03	0.5	<0.1	<0.05	<0.1	0.75	0.9	<0.02	3	<0.1	0.7	<10	<2	

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CERTIFICATE OF ANALYSIS VAN11004172.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389247	Rock Pulp	0.08	351.9	3278	24.04	55.4	1781	31.4	8.1	418	3.03	13.8	0.4	898.0	1.2	35.0	0.32	3.58	0.58	47	0.64
1389248	Drill Core	3.32	756.4	99.12	39.35	87.0	2183	10.5	6.3	1288	1.98	23.1	7.7	15.1	8.4	78.7	1.93	2.42	5.64	19	0.26
1389249	Drill Core	4.27	317.6	75.77	134.2	39.7	8503	2.5	5.2	429	2.01	51.0	5.4	77.9	8.2	112.4	0.78	4.09	39.74	12	0.60
1389250	Drill Core	3.59	154.5	106.7	253.8	80.3	23984	8.0	7.4	1225	2.58	56.7	5.0	87.2	6.1	46.3	2.00	3.96	90.95	7	0.10
1389251	Drill Core	3.20	31.35	38.80	7.30	110.7	285	13.6	19.7	951	4.02	5.5	5.5	15.1	3.5	247.3	0.76	2.85	0.24	56	2.10
1389252	Drill Core	4.21	319.0	65.63	33.15	55.0	1603	8.3	5.4	990	2.24	14.0	3.4	36.0	6.6	78.8	0.77	10.05	3.24	14	0.21
1389253	Drill Core	2.87	509.3	53.08	29.65	68.0	1598	5.8	3.9	840	1.63	24.7	3.1	18.5	5.0	126.0	1.03	7.96	2.97	9	0.73
1389254	Drill Core	4.92	146.7	57.16	27.97	297.1	1122	3.0	3.5	991	1.57	42.9	2.6	28.7	5.4	130.0	7.15	11.48	1.59	11	0.81
1389255	Drill Core	3.77	256.4	101.7	87.71	852.5	3451	8.4	5.7	1179	2.53	48.8	2.8	54.8	4.6	211.2	14.18	17.28	4.47	11	1.27
1389256	Drill Core	3.42	978.3	167.4	160.7	463.3	4306	7.6	6.1	957	3.51	66.6	3.7	71.6	4.8	97.9	9.83	15.95	17.58	9	0.58
1389257	Drill Core	4.41	185.2	61.09	111.6	168.8	6520	2.4	2.7	689	1.80	24.3	2.7	173.9	5.5	100.7	4.20	15.40	55.22	11	0.49
1389258	Drill Core	3.87	151.2	62.25	155.8	146.2	9000	1.8	2.3	679	1.36	35.9	2.8	39.5	5.1	131.2	3.27	16.31	49.41	8	0.70
1389259	Drill Core	4.77	413.7	76.98	73.26	129.2	2581	4.1	3.7	732	1.91	64.0	3.1	99.1	5.2	121.4	2.82	9.72	5.62	11	0.62
1389260	Drill Core	3.64	513.1	144.2	46.48	44.3	1606	16.4	7.3	930	4.57	73.0	3.1	14.7	5.6	162.2	0.84	12.17	2.59	50	1.22
1389261	Rock	0.26	<0.01	0.61	0.47	3.6	<2	0.9	0.5	234	0.43	2.5	0.6	0.9	<0.1	31.4	0.05	<0.02	0.02	<2	22.03
1389262	Rock Pulp	0.09	973.2	9087	34.86	146.7	3634	34.3	15.5	460	4.25	29.5	0.4	518.6	1.1	41.3	1.23	4.76	1.15	103	0.95
1389263	Drill Core	3.53	274.5	100.6	17.59	35.1	827	9.8	5.1	603	3.16	37.9	2.9	50.7	4.8	174.5	0.49	4.13	1.52	41	1.22
1389264	Drill Core	6.96	289.7	140.3	107.6	111.9	7956	8.0	6.1	536	3.81	12.4	3.5	1171	5.5	146.2	2.69	2.69	36.83	25	0.78
1389265	Drill Core	4.24	383.9	236.8	407.4	122.0	35750	6.3	10.2	514	6.99	64.9	2.0	3935	2.7	105.3	3.24	7.91	196.3	18	0.65
1389266	Drill Core	5.37	184.6	50.91	37.38	68.9	1709	6.8	4.6	819	2.32	35.4	3.1	49.8	4.9	184.9	1.14	1.80	6.33	26	1.82
1389267	Drill Core	2.63	80.53	32.61	7.27	83.8	498	4.3	2.9	706	1.57	11.7	1.7	10.4	5.1	67.1	1.00	1.09	1.25	24	0.53
1389268	Drill Core	2.54	101.2	57.66	11.01	116.9	1444	12.7	4.8	1217	2.19	16.3	3.2	7.7	8.3	212.4	1.95	3.80	1.34	40	2.22
1389269	Drill Core	8.27	75.83	40.15	9.34	59.1	391	7.3	3.5	1522	1.90	83.0	2.6	16.2	5.0	212.6	1.28	1.00	0.88	26	2.05
1389270	Drill Core	8.02	86.90	40.27	14.12	25.6	454	5.7	3.0	645	1.56	8.0	2.9	9.5	5.3	159.7	0.36	1.68	1.04	25	1.55
1389271	Drill Core	8.90	30.98	32.82	10.64	31.8	587	3.6	2.5	616	1.33	23.2	3.3	7.4	5.6	172.4	0.56	1.47	0.63	19	1.42
1389272	Drill Core	7.20	80.21	43.55	10.77	34.9	478	4.5	3.1	695	1.60	57.6	3.3	12.4	5.2	298.2	0.54	3.77	0.72	16	1.85
1389273	Drill Core	8.53	23.81	57.05	4.95	31.3	224	7.0	4.3	634	2.08	26.3	2.3	5.7	3.5	227.2	0.28	1.12	0.79	34	1.96
1389274	Drill Core	9.65	24.72	65.66	11.92	112.2	348	7.4	5.1	743	2.43	27.9	2.6	9.1	3.8	235.2	2.13	1.32	0.93	28	2.06
1389275	Drill Core	8.31	17.26	32.82	6.99	54.2	214	2.2	2.3	639	1.39	2.1	2.9	4.2	4.4	221.4	1.14	0.42	0.51	16	1.57
1389276	Drill Core	8.61	16.77	35.94	5.99	55.3	184	2.6	2.7	836	1.57	1.7	3.2	11.0	5.0	198.3	1.20	0.18	0.61	26	1.70

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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004172.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389247	Rock Pulp	0.051	5.5	31.6	0.54	121.2	0.113	5	1.22	0.082	0.10	0.9	3.7	0.08	0.39	90	1.1	0.15	4.3	0.38	0.1
1389248	Drill Core	0.051	20.9	5.1	0.15	165.1	0.007	3	0.56	0.028	0.20	7.0	2.1	0.11	0.38	12	0.7	0.16	1.6	1.13	<0.1
1389249	Drill Core	0.036	15.1	0.8	0.13	100.2	0.010	3	0.34	0.029	0.18	1.4	1.0	0.08	1.13	<5	1.3	2.24	1.2	0.49	<0.1
1389250	Drill Core	0.045	15.6	3.3	0.07	134.6	0.001	1	0.45	0.016	0.18	7.7	1.5	0.10	1.21	<5	1.7	4.82	1.2	0.79	<0.1
1389251	Drill Core	0.343	26.5	21.4	0.97	593.7	0.007	4	0.84	0.022	0.27	1.1	11.6	0.18	0.08	<5	0.2	<0.02	2.0	5.47	<0.1
1389252	Drill Core	0.067	16.6	5.0	0.06	168.7	0.002	5	0.28	0.017	0.24	1.6	3.1	0.15	0.43	5	0.7	0.19	0.8	1.08	<0.1
1389253	Drill Core	0.048	15.7	1.9	0.11	69.7	0.002	4	0.29	0.023	0.20	2.2	1.9	0.14	0.45	7	0.8	0.19	1.1	0.79	<0.1
1389254	Drill Core	0.046	18.1	1.5	0.16	54.1	0.004	3	0.30	0.030	0.20	3.9	1.6	0.09	0.42	<5	0.4	0.08	1.1	0.64	<0.1
1389255	Drill Core	0.074	11.1	5.0	0.33	89.2	0.002	7	0.35	0.009	0.25	2.0	3.8	0.15	0.83	28	0.9	0.19	1.1	1.20	<0.1
1389256	Drill Core	0.037	5.0	3.6	0.19	49.2	0.002	2	0.25	0.007	0.22	1.4	1.4	0.14	2.43	16	2.3	0.93	0.9	0.41	<0.1
1389257	Drill Core	0.030	12.4	1.7	0.13	80.3	0.012	3	0.32	0.020	0.21	1.6	0.9	0.09	0.83	7	0.8	1.48	1.5	0.45	<0.1
1389258	Drill Core	0.030	9.5	1.1	0.15	52.7	0.003	2	0.29	0.018	0.21	0.5	0.7	0.09	0.61	<5	0.7	2.23	1.1	0.37	<0.1
1389259	Drill Core	0.042	7.8	4.3	0.18	58.9	0.005	2	0.27	0.010	0.26	1.0	1.1	0.11	1.12	<5	0.7	0.19	1.0	0.50	<0.1
1389260	Drill Core	0.056	5.1	14.5	0.37	39.3	0.016	3	0.38	0.015	0.31	11.4	2.4	0.17	2.56	<5	2.1	0.13	1.7	1.34	<0.1
1389261	Rock	0.012	<0.5	<0.5	11.55	9.5	<0.001	1	<0.01	0.002	<0.01	<0.1	<0.1	<0.02	<0.02	<5	0.4	<0.02	<0.1	0.04	<0.1
1389262	Rock Pulp	0.075	5.7	48.0	1.00	61.2	0.117	3	1.64	0.103	0.52	13.1	5.8	0.35	1.87	100	4.7	0.59	5.4	1.75	<0.1
1389263	Drill Core	0.049	7.3	11.9	0.35	38.5	0.025	2	0.33	0.022	0.26	5.4	2.0	0.16	1.65	8	1.6	0.10	1.5	1.28	<0.1
1389264	Drill Core	0.037	5.3	7.9	0.22	42.4	0.010	2	0.30	0.014	0.26	6.2	1.5	0.14	2.27	<5	2.0	0.60	1.2	0.78	<0.1
1389265	Drill Core	0.036	4.9	4.3	0.21	22.7	0.005	2	0.35	0.014	0.22	>100	0.4	0.14	4.97	<5	4.3	1.86	1.2	0.51	<0.1
1389266	Drill Core	0.037	8.3	7.0	0.32	33.2	0.011	2	0.33	0.024	0.21	13.4	1.8	0.13	1.29	<5	1.4	0.21	1.5	0.86	<0.1
1389267	Drill Core	0.059	19.4	6.0	0.27	61.8	0.010	1	0.52	0.045	0.14	4.4	1.7	0.09	0.18	<5	0.6	0.05	2.2	0.76	<0.1
1389268	Drill Core	0.048	8.6	16.6	0.52	34.3	0.006	2	0.58	0.022	0.23	4.6	3.1	0.14	0.82	<5	1.2	0.07	2.3	1.03	<0.1
1389269	Drill Core	0.050	10.4	6.7	0.41	45.5	0.017	2	0.42	0.027	0.20	10.2	1.3	0.10	0.77	<5	1.0	0.04	1.7	0.66	<0.1
1389270	Drill Core	0.043	11.3	5.8	0.26	36.3	0.020	1	0.36	0.031	0.22	12.5	1.2	0.13	0.71	6	0.9	0.05	1.5	0.94	<0.1
1389271	Drill Core	0.039	11.7	4.5	0.22	75.5	0.012	2	0.36	0.028	0.22	4.8	0.9	0.11	0.54	<5	0.7	0.04	1.7	0.73	<0.1
1389272	Drill Core	0.037	9.3	3.7	0.28	35.3	0.005	3	0.32	0.027	0.17	2.2	1.3	0.07	0.72	<5	1.0	0.04	1.3	0.72	<0.1
1389273	Drill Core	0.052	12.3	11.4	0.32	51.8	0.019	2	0.45	0.054	0.20	27.0	1.4	0.13	0.95	5	1.2	0.07	1.9	1.28	<0.1
1389274	Drill Core	0.049	9.7	10.2	0.37	33.1	0.019	3	0.38	0.036	0.18	8.9	1.6	0.10	1.17	<5	1.5	0.06	1.6	1.20	<0.1
1389275	Drill Core	0.036	11.9	2.2	0.20	32.2	0.012	2	0.30	0.032	0.20	1.0	0.9	0.09	0.60	6	0.6	0.03	1.3	0.82	<0.1
1389276	Drill Core	0.036	12.8	3.5	0.27	41.5	0.018	2	0.37	0.033	0.26	1.8	1.0	0.14	0.70	<5	0.7	0.03	1.7	1.07	<0.1

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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004172.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1389247	Rock Pulp	0.24	0.10	4.2	2.0	<0.05	7.3	7.34	11.0	<0.02	319	0.2	8.7	*	3	
1389248	Drill Core	0.09	0.12	13.2	0.2	<0.05	2.3	8.15	36.3	<0.02	505	0.5	8.4	*	<2	
1389249	Drill Core	0.11	0.25	9.6	0.3	<0.05	2.1	4.74	24.1	<0.02	214	0.2	3.8	*	<2	
1389250	Drill Core	0.06	<0.02	9.7	0.2	<0.05	1.4	6.54	26.4	<0.02	14	0.7	6.0	16	<2	
1389251	Drill Core	0.06	0.03	16.9	0.3	<0.05	3.2	11.29	55.5	0.03	6	2.1	8.1	<10	<2	
1389252	Drill Core	0.07	0.02	10.3	0.2	<0.05	2.0	6.61	27.6	<0.02	81	0.7	2.1	*	<2	
1389253	Drill Core	0.06	0.04	11.9	0.2	<0.05	1.5	6.05	26.0	<0.02	328	0.3	3.3	*	<2	
1389254	Drill Core	0.05	0.10	11.3	0.3	<0.05	1.1	6.93	31.4	<0.02	78	0.4	3.6	<10	<2	
1389255	Drill Core	0.07	<0.02	13.7	0.3	<0.05	1.6	5.64	19.5	<0.02	114	0.6	3.3	<10	<2	
1389256	Drill Core	0.05	0.03	11.9	0.4	<0.05	1.2	3.85	8.3	<0.02	442	0.2	3.2	*	3	
1389257	Drill Core	0.06	0.23	11.0	0.5	<0.05	1.3	3.71	19.3	<0.02	74	0.1	5.4	<10	<2	
1389258	Drill Core	0.05	0.06	10.5	0.3	<0.05	1.2	3.98	15.5	<0.02	81	0.2	3.6	<10	<2	
1389259	Drill Core	0.07	0.06	13.9	0.6	<0.05	1.4	3.82	13.4	<0.02	183	0.1	4.3	*	<2	
1389260	Drill Core	0.10	0.14	22.1	0.7	<0.05	2.1	3.77	9.3	<0.02	204	0.3	10.1	<10	<2	
1389261	Rock	<0.02	<0.02	0.3	<0.1	<0.05	<0.1	0.46	0.6	<0.02	<1	<0.1	0.5	<10	<2	
1389262	Rock Pulp	0.12	0.07	22.2	1.4	<0.05	4.1	7.99	13.3	0.08	810	0.3	7.5	<10	<2	
1389263	Drill Core	0.12	0.32	18.6	0.4	<0.05	2.3	3.83	13.8	<0.02	120	0.3	9.6	<10	<2	
1389264	Drill Core	0.08	0.12	14.9	0.5	<0.05	1.7	2.62	9.8	<0.02	117	0.2	5.7	<10	<2	
1389265	Drill Core	0.07	0.10	12.1	0.4	<0.05	1.2	2.56	9.7	<0.02	166	0.2	4.6	<10	<2	0.043
1389266	Drill Core	0.08	0.18	13.6	0.3	<0.05	1.6	4.45	15.6	<0.02	113	0.3	6.7	<10	<2	
1389267	Drill Core	0.08	0.09	8.3	0.2	<0.05	1.3	5.92	47.2	<0.02	86	0.4	9.4	<10	<2	
1389268	Drill Core	0.08	0.03	14.9	0.6	<0.05	1.7	5.90	15.3	0.03	80	0.4	13.1	<10	<2	
1389269	Drill Core	0.07	0.19	12.1	0.4	<0.05	1.5	6.56	19.2	0.02	45	0.3	7.1	<10	<2	
1389270	Drill Core	0.09	0.32	15.3	0.3	<0.05	1.5	4.57	21.0	<0.02	69	0.2	6.8	<10	<2	
1389271	Drill Core	0.09	0.19	14.1	0.4	<0.05	1.7	4.48	21.4	<0.02	21	0.3	6.6	<10	<2	
1389272	Drill Core	0.06	0.08	8.4	0.2	<0.05	1.2	4.45	17.6	<0.02	42	0.5	5.5	<10	<2	
1389273	Drill Core	0.07	0.20	13.5	0.2	<0.05	1.2	5.30	23.0	<0.02	19	0.3	7.9	<10	<2	
1389274	Drill Core	0.07	0.27	11.6	0.2	<0.05	1.4	4.84	18.0	<0.02	19	0.5	8.7	<10	<2	
1389275	Drill Core	0.09	0.29	12.9	0.3	<0.05	1.5	4.49	22.4	<0.02	10	0.2	5.3	<10	<2	
1389276	Drill Core	0.10	0.44	18.1	0.5	<0.05	1.9	5.37	22.5	<0.02	10	0.3	8.6	<10	<2	

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CERTIFICATE OF ANALYSIS VAN11004172.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389277	Drill Core	4.65	22.11	34.04	4.74	17.9	135	1.9	2.6	509	1.50	1.9	3.3	2.4	5.5	157.5	0.23	0.11	0.53	23	1.50
1389278	Drill Core	3.72	29.28	51.16	9.56	19.4	207	2.2	3.5	608	1.66	8.6	3.7	3.2	6.3	219.2	0.44	0.42	0.62	15	1.79
1389279	Drill Core	4.48	96.54	51.91	16.33	28.3	559	2.1	3.4	553	1.80	6.0	3.9	7.2	6.7	250.5	0.67	0.71	1.68	15	1.59
1389280	Drill Core	4.29	50.38	142.9	94.08	89.6	3366	2.0	6.8	825	4.14	20.7	3.3	156.4	5.2	195.0	2.51	1.69	7.87	6	1.15
1389281	Drill Core	4.47	22.80	159.3	29.34	57.1	1432	1.8	6.6	435	3.71	38.2	3.9	36.5	6.0	194.1	1.60	3.68	2.47	12	0.87
1389282	Drill Core	3.85	38.91	61.05	12.14	21.9	294	3.4	3.8	966	1.83	8.8	4.3	10.1	6.9	264.4	0.49	0.97	0.90	17	2.22
1389283	Rock	0.31	0.25	2.36	1.43	11.6	6	0.4	0.6	257	0.46	2.8	0.6	3.3	<0.1	40.3	0.08	0.06	0.02	<2	17.77
1389284	Rock Pulp	0.08	368.3	3529	26.73	56.9	1845	31.9	8.5	427	3.30	13.0	0.4	895.1	1.3	36.5	0.70	3.90	0.69	52	0.59
1389285	Drill Core	8.83	32.41	77.74	16.96	37.4	629	1.9	3.7	665	2.10	13.2	4.8	22.8	7.6	226.5	0.97	1.16	1.28	13	1.43
1389286	Drill Core	7.69	40.33	44.91	12.88	19.9	505	1.8	2.9	588	1.72	8.8	7.2	10.6	10.3	190.4	0.33	0.76	2.28	19	1.30
1389287	Drill Core	8.08	36.27	47.16	64.20	18.8	3915	2.4	3.1	834	1.59	58.5	8.8	18.7	12.0	257.6	0.39	1.79	36.04	11	1.50
1389288	Drill Core	8.35	32.51	41.99	15.66	139.6	472	1.2	2.4	838	1.44	19.9	3.1	12.3	5.9	236.9	3.60	2.32	0.91	17	1.79
1389289	Drill Core	8.40	17.04	88.10	29.05	27.3	1253	2.1	3.7	714	2.10	22.3	3.7	123.2	5.1	258.0	0.69	8.05	31.14	14	1.46
1389290	Drill Core	8.63	48.56	47.12	13.83	20.3	249	2.0	2.9	607	1.50	51.7	4.4	18.0	7.6	227.9	0.38	2.30	0.83	17	1.37
1389291	Drill Core	8.16	30.28	50.87	9.26	20.8	205	2.5	3.2	786	1.80	7.7	3.1	6.9	6.5	215.7	0.24	0.56	0.87	30	1.68
1389292	Drill Core	4.99	14.74	48.06	11.13	13.4	215	2.0	3.4	579	1.36	6.3	4.3	3.1	7.5	184.6	0.21	0.56	0.75	14	1.58
1389293	Drill Core	5.86	26.98	47.63	12.62	15.8	450	1.6	2.9	443	1.51	7.4	4.8	21.7	7.1	163.7	0.23	0.37	1.53	13	1.22
1389294	Drill Core	6.28	49.66	51.16	8.79	20.0	214	1.5	3.4	483	1.55	7.9	4.0	5.5	5.8	184.5	0.26	0.43	0.95	17	1.42
1389295	Drill Core	8.25	78.94	42.59	6.88	18.8	214	1.0	2.5	580	1.43	18.7	2.5	5.5	4.9	231.8	0.27	0.31	0.78	20	1.20
1389296	Drill Core	8.53	26.66	81.69	9.39	23.1	332	1.6	4.4	742	2.42	18.1	3.0	5.7	5.8	218.6	0.40	0.43	1.35	44	1.60
1389297	Drill Core	4.20	48.28	39.56	6.43	10.9	133	1.0	2.6	394	1.31	2.7	3.8	2.5	6.5	177.6	0.11	0.18	0.67	17	1.31
1389298	Drill Core	4.11	26.06	34.43	26.02	111.1	345	1.3	2.7	797	1.40	8.7	3.8	4.2	6.2	334.9	1.07	0.51	0.68	9	2.29

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PO Box 1836
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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004172.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389277	Drill Core	0.039	13.3	1.3	0.20	31.3	0.023	<1	0.31	0.039	0.19	1.9	0.7	0.11	0.63	<5	0.7	0.04	1.5	0.85	<0.1
1389278	Drill Core	0.036	16.6	2.1	0.20	53.9	0.012	2	0.33	0.035	0.24	0.6	1.0	0.14	0.71	<5	0.7	0.07	1.3	1.08	<0.1
1389279	Drill Core	0.038	17.0	1.6	0.21	68.3	0.014	2	0.36	0.038	0.20	2.3	0.9	0.12	0.72	<5	0.6	0.10	1.5	0.87	<0.1
1389280	Drill Core	0.026	5.7	1.9	0.20	62.0	0.002	3	0.30	0.016	0.25	>100	0.5	0.14	2.80	*	1.7	0.17	1.1	0.53	<0.1
1389281	Drill Core	0.040	10.8	1.4	0.17	61.7	0.007	3	0.29	0.024	0.22	>100	1.0	0.11	2.08	<5	1.9	0.19	1.1	0.58	<0.1
1389282	Drill Core	0.038	14.4	4.1	0.27	76.6	0.015	2	0.39	0.032	0.25	21.9	1.3	0.16	0.85	<5	0.9	0.08	1.6	1.07	<0.1
1389283	Rock	0.013	<0.5	<0.5	11.62	12.1	<0.001	1	0.01	0.002	0.01	0.3	<0.1	0.04	0.10	<5	0.2	<0.02	<0.1	0.08	<0.1
1389284	Rock Pulp	0.052	5.7	34.3	0.54	142.1	0.111	6	1.21	0.082	0.10	1.3	3.7	0.11	0.42	92	1.2	0.20	4.2	0.44	<0.1
1389285	Drill Core	0.034	13.5	1.6	0.20	64.9	0.010	1	0.35	0.028	0.24	7.1	0.9	0.12	1.06	<5	0.9	0.07	1.4	0.77	<0.1
1389286	Drill Core	0.035	16.4	2.1	0.19	83.8	0.012	2	0.35	0.037	0.19	9.4	1.0	0.10	0.73	<5	0.6	0.09	1.5	0.75	<0.1
1389287	Drill Core	0.035	14.4	1.7	0.27	71.6	0.008	2	0.31	0.033	0.21	1.9	1.1	0.11	0.77	<5	0.9	0.41	1.3	0.70	<0.1
1389288	Drill Core	0.052	17.2	1.1	0.23	126.0	0.019	2	0.35	0.038	0.18	34.1	1.3	0.09	0.56	<5	0.4	0.06	1.5	0.83	<0.1
1389289	Drill Core	0.046	12.1	1.6	0.21	77.3	0.010	3	0.34	0.025	0.25	>100	1.1	0.13	1.04	<5	1.0	0.95	1.3	0.73	<0.1
1389290	Drill Core	0.043	15.1	2.0	0.25	76.9	0.019	2	0.31	0.032	0.21	55.0	1.2	0.13	0.66	<5	0.7	0.05	1.4	0.81	<0.1
1389291	Drill Core	0.046	16.9	2.9	0.27	78.7	0.036	1	0.44	0.046	0.18	8.9	1.3	0.11	0.77	<5	0.8	0.07	2.1	0.87	<0.1
1389292	Drill Core	0.033	15.0	1.7	0.20	48.4	0.011	2	0.38	0.027	0.22	1.3	1.0	0.15	0.68	<5	0.6	0.08	1.7	0.86	<0.1
1389293	Drill Core	0.033	13.7	1.2	0.19	46.0	0.017	2	0.38	0.035	0.18	26.2	0.8	0.11	0.67	<5	0.6	0.08	1.5	0.64	<0.1
1389294	Drill Core	0.035	14.6	1.5	0.21	50.5	0.018	1	0.37	0.035	0.19	11.1	1.0	0.13	0.70	<5	0.9	0.09	1.6	0.89	<0.1
1389295	Drill Core	0.052	18.2	1.0	0.21	53.2	0.048	2	0.33	0.058	0.13	8.3	0.7	0.08	0.50	<5	0.5	0.05	1.4	0.46	<0.1
1389296	Drill Core	0.046	17.7	1.3	0.21	72.8	0.035	2	0.40	0.041	0.17	56.8	0.9	0.10	1.12	<5	1.1	0.10	2.0	0.75	<0.1
1389297	Drill Core	0.033	17.0	1.4	0.17	99.8	0.020	2	0.33	0.044	0.17	11.1	0.7	0.11	0.57	<5	0.6	0.08	1.4	0.72	<0.1
1389298	Drill Core	0.039	15.2	1.1	0.19	50.2	0.002	2	0.43	0.032	0.17	1.0	1.2	0.11	0.45	<5	0.5	0.08	1.9	0.82	<0.1

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Project: Stewart
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CERTIFICATE OF ANALYSIS VAN11004172.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1389277	Drill Core	0.08	0.63	12.2	0.3	<0.05	1.7	5.23	25.6	<0.02	7	0.2	6.3	<10	<2	
1389278	Drill Core	0.08	0.29	17.6	0.3	<0.05	1.6	5.71	26.8	<0.02	16	0.1	6.8	<10	2	
1389279	Drill Core	0.07	0.32	13.4	0.4	<0.05	1.6	5.42	28.2	<0.02	54	0.3	5.9	<10	2	
1389280	Drill Core	0.04	0.02	15.2	0.5	<0.05	1.0	4.05	9.5	<0.02	22	0.3	4.0	<10	<2	0.070
1389281	Drill Core	0.07	0.18	13.6	0.5	<0.05	1.3	3.64	18.1	<0.02	11	0.3	3.4	<10	<2	0.020
1389282	Drill Core	0.08	0.28	19.7	0.4	<0.05	1.6	6.79	23.4	<0.02	22	0.3	8.2	<10	<2	
1389283	Rock	<0.02	0.03	0.6	<0.1	<0.05	<0.1	0.61	0.8	<0.02	2	<0.1	0.5	<10	<2	
1389284	Rock Pulp	0.24	0.12	4.6	2.1	<0.05	7.6	7.37	11.2	<0.02	318	0.3	9.4	*	3	
1389285	Drill Core	0.07	0.25	16.9	0.4	<0.05	1.8	5.28	22.6	<0.02	16	0.1	5.2	<10	<2	
1389286	Drill Core	0.09	0.29	12.8	0.3	<0.05	2.3	5.93	26.6	<0.02	18	0.3	5.0	<10	2	
1389287	Drill Core	0.09	0.25	12.5	0.2	<0.05	2.3	5.68	22.1	<0.02	17	0.5	4.0	<10	<2	
1389288	Drill Core	0.09	0.38	9.6	0.3	<0.05	1.7	7.94	31.8	0.02	17	0.5	4.5	<10	<2	
1389289	Drill Core	0.09	0.21	15.8	0.5	<0.05	1.7	5.22	21.7	<0.02	8	0.3	4.6	<10	<2	0.047
1389290	Drill Core	0.10	0.45	15.1	0.3	<0.05	1.9	5.64	25.2	<0.02	26	0.3	5.4	<10	<2	
1389291	Drill Core	0.14	0.59	13.6	0.4	<0.05	2.4	7.07	29.5	<0.02	23	0.6	9.0	<10	<2	
1389292	Drill Core	0.08	0.23	17.4	0.3	<0.05	1.7	5.33	24.4	<0.02	7	0.2	7.6	<10	2	
1389293	Drill Core	0.08	0.38	12.9	0.4	<0.05	1.7	4.92	22.8	<0.02	15	0.4	5.7	<10	2	
1389294	Drill Core	0.08	0.39	15.2	0.3	<0.05	1.6	5.57	25.3	<0.02	24	0.4	6.9	<10	<2	
1389295	Drill Core	0.13	0.95	7.6	0.4	<0.05	2.1	6.82	30.5	<0.02	29	0.4	4.2	<10	<2	
1389296	Drill Core	0.15	0.93	11.8	0.6	<0.05	3.0	7.09	29.7	<0.02	14	0.6	6.3	<10	<2	
1389297	Drill Core	0.06	0.44	12.2	0.3	<0.05	1.5	5.44	27.2	<0.02	21	0.2	4.8	<10	<2	
1389298	Drill Core	0.04	0.05	10.2	0.2	<0.05	0.8	7.62	25.1	<0.02	16	0.5	6.2	<10	<2	

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Project: Stewart
Report Date: November 09, 2011

QUALITY CONTROL REPORT VAN11004172.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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																					
1389170	Rock	0.39	1.88	3.17	0.49	5.2	7	1.5	0.8	223	0.46	2.3	0.4	0.4	<0.1	27.0	0.04	<0.02	0.05	<2	17.79
REP 1389170	QC		1.75	4.34	0.42	4.7	11	1.8	0.8	227	0.46	2.0	0.4	4.4	<0.1	26.5	0.04	<0.02	0.02	<2	17.16
1389186	Drill Core	5.10	172.8	49.02	8.54	34.8	304	2.3	2.6	593	1.28	22.0	2.3	4.1	4.7	146.5	0.57	0.54	0.79	10	1.91
REP 1389186	QC		175.1	49.12	8.91	36.0	305	2.4	2.7	605	1.28	22.1	2.3	5.1	4.7	148.4	0.60	0.53	0.84	11	1.92
1389205	Drill Core	7.84	18.17	33.70	5.75	16.2	130	1.1	2.4	547	1.38	1.4	2.2	3.9	4.6	195.3	0.17	0.23	0.41	20	1.73
REP 1389205	QC		18.03	33.83	5.67	16.8	130	1.0	2.5	542	1.37	1.4	2.2	3.6	4.6	196.9	0.16	0.23	0.40	20	1.71
REP 1389223	QC		161.4	59.96	13.49	19.6	620	0.8	3.0	581	2.08	81.0	2.7	19.8	4.6	277.9	0.22	0.56	1.38	13	1.51
1389230	Drill Core	8.92	57.59	49.59	4.76	10.0	91	0.9	2.8	301	1.36	1.4	5.6	3.2	8.0	132.1	0.08	0.10	2.47	19	1.01
REP 1389230	QC		56.96	46.99	4.58	9.2	94	0.7	2.6	284	1.34	1.4	5.5	2.6	8.0	125.5	0.04	0.09	2.30	18	1.01
1389256	Drill Core	3.42	978.3	167.4	160.7	463.3	4306	7.6	6.1	957	3.51	66.6	3.7	71.6	4.8	97.9	9.83	15.95	17.58	9	0.58
REP 1389256	QC		984.4	161.1	158.0	443.5	4322	7.6	6.0	928	3.41	67.5	3.8	78.6	4.8	96.6	9.83	15.62	17.61	9	0.57
1389268	Drill Core	2.54	101.2	57.66	11.01	116.9	1444	12.7	4.8	1217	2.19	16.3	3.2	7.7	8.3	212.4	1.95	3.80	1.34	40	2.22
REP 1389268	QC		100.5	58.32	10.90	117.3	1422	12.0	4.6	1200	2.18	16.1	3.2	8.7	8.2	210.6	1.91	3.84	1.29	40	2.20
1389280	Drill Core	4.29	50.38	142.9	94.08	89.6	3366	2.0	6.8	825	4.14	20.7	3.3	156.4	5.2	195.0	2.51	1.69	7.87	6	1.15
REP 1389280	QC																				
1389291	Drill Core	8.16	30.28	50.87	9.26	20.8	205	2.5	3.2	786	1.80	7.7	3.1	6.9	6.5	215.7	0.24	0.56	0.87	30	1.68
REP 1389291	QC		28.92	50.69	9.24	22.2	201	2.3	3.2	758	1.80	7.6	3.0	4.6	6.3	204.3	0.25	0.55	0.83	30	1.68
Core Reject Duplicates																					
1389188	Drill Core	3.41	197.2	36.30	9.46	14.0	368	1.8	2.7	540	1.42	23.6	2.7	5.0	5.0	142.7	0.15	0.55	1.19	13	1.60
DUP 1389188	QC		190.2	33.89	8.41	12.7	336	1.6	2.5	488	1.30	24.8	2.6	5.0	4.6	127.2	0.14	0.52	1.04	12	1.45
1389223	Drill Core	8.09	160.7	59.16	13.57	19.8	643	0.7	3.0	587	2.06	81.5	2.8	27.5	4.7	283.2	0.21	0.53	1.45	13	1.51
DUP 1389223	QC		155.4	60.90	12.72	20.8	659	0.7	3.1	614	2.13	93.2	2.6	18.6	4.5	286.2	0.27	0.55	1.59	13	1.55
1389258	Drill Core	3.87	151.2	62.25	155.8	146.2	9000	1.8	2.3	679	1.36	35.9	2.8	39.5	5.1	131.2	3.27	16.31	49.41	8	0.70
DUP 1389258	QC		130.9	66.19	175.3	147.1	10464	1.6	2.3	704	1.32	35.3	2.9	40.4	5.2	133.8	3.33	19.16	59.99	7	0.71
1389293	Drill Core	5.86	26.98	47.63	12.62	15.8	450	1.6	2.9	443	1.51	7.4	4.8	21.7	7.1	163.7	0.23	0.37	1.53	13	1.22
DUP 1389293	QC		27.43	46.18	12.49	15.5	438	1.6	3.0	447	1.54	7.3	5.0	22.3	7.4	161.7	0.25	0.37	1.47	13	1.20
Reference Materials																					
STD DS8	Standard		12.67	125.4	116.6	318.7	1694	39.0	7.3	587	2.48	27.4	2.8	103.2	6.6	61.5	2.69	5.46	7.01	43	0.72

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	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
Pulp Duplicates																					
1389170	Rock	0.013	<0.5	0.5	11.47	24.0	<0.001	<1	0.02	0.002	<0.01	<0.1	0.1	<0.02	0.03	<5	0.4	<0.02	<0.1	0.07	<0.1
REP 1389170	QC	0.013	<0.5	0.6	11.24	24.5	<0.001	<1	0.02	0.001	<0.01	<0.1	0.1	<0.02	0.03	<5	0.4	<0.02	<0.1	0.06	<0.1
1389186	Drill Core	0.043	16.5	1.7	0.21	58.0	0.005	3	0.45	0.033	0.20	0.2	1.2	0.08	0.58	<5	0.8	<0.02	1.6	0.73	<0.1
REP 1389186	QC	0.042	17.1	1.7	0.21	56.8	0.005	2	0.44	0.034	0.20	0.3	1.3	0.08	0.58	<5	0.9	0.03	1.5	0.75	<0.1
1389205	Drill Core	0.034	16.9	1.1	0.21	55.3	0.019	<1	0.39	0.048	0.23	5.2	0.9	0.11	0.62	<5	0.7	0.04	1.9	0.98	<0.1
REP 1389205	QC	0.034	16.8	1.0	0.21	54.8	0.019	<1	0.39	0.047	0.22	5.1	0.9	0.11	0.62	<5	0.7	0.03	1.9	0.99	<0.1
REP 1389223	QC	0.027	11.9	0.6	0.15	55.4	0.005	2	0.44	0.028	0.17	76.2	0.6	0.07	1.02	<5	1.2	0.08	1.8	0.66	<0.1
1389230	Drill Core	0.036	16.8	1.5	0.16	44.1	0.036	2	0.32	0.054	0.15	7.3	0.7	0.08	0.72	8	1.0	0.07	1.9	0.65	<0.1
REP 1389230	QC	0.035	16.4	1.6	0.15	42.8	0.036	<1	0.32	0.052	0.15	7.3	0.7	0.07	0.72	<5	1.0	0.11	1.7	0.63	<0.1
1389256	Drill Core	0.037	5.0	3.6	0.19	49.2	0.002	2	0.25	0.007	0.22	1.4	1.4	0.14	2.43	16	2.3	0.93	0.9	0.41	<0.1
REP 1389256	QC	0.036	4.7	3.4	0.19	48.3	0.002	1	0.24	0.007	0.21	1.4	1.4	0.13	2.40	14	2.8	1.20	0.8	0.40	<0.1
1389268	Drill Core	0.048	8.6	16.6	0.52	34.3	0.006	2	0.58	0.022	0.23	4.6	3.1	0.14	0.82	<5	1.2	0.07	2.3	1.03	<0.1
REP 1389268	QC	0.047	8.6	15.9	0.52	34.8	0.006	2	0.58	0.022	0.23	4.9	3.2	0.14	0.80	<5	1.2	0.06	2.3	1.03	<0.1
1389280	Drill Core	0.026	5.7	1.9	0.20	62.0	0.002	3	0.30	0.016	0.25	>100	0.5	0.14	2.80	*	1.7	0.17	1.1	0.53	<0.1
REP 1389280	QC																				
1389291	Drill Core	0.046	16.9	2.9	0.27	78.7	0.036	1	0.44	0.046	0.18	8.9	1.3	0.11	0.77	<5	0.8	0.07	2.1	0.87	<0.1
REP 1389291	QC	0.044	16.4	2.9	0.26	75.7	0.037	<1	0.43	0.045	0.18	8.3	1.1	0.11	0.76	<5	0.8	0.07	2.1	0.83	<0.1
Core Reject Duplicates																					
1389188	Drill Core	0.034	17.0	0.8	0.25	52.1	0.003	1	0.55	0.034	0.21	0.9	0.8	0.08	0.57	<5	0.8	0.08	2.2	0.54	<0.1
DUP 1389188	QC	0.031	15.4	0.6	0.23	43.9	0.003	<1	0.49	0.028	0.17	0.8	0.7	0.07	0.53	7	0.7	0.10	2.0	0.46	<0.1
1389223	Drill Core	0.028	11.4	0.6	0.15	53.8	0.005	2	0.43	0.027	0.17	75.3	0.6	0.07	1.02	<5	1.2	0.08	1.8	0.64	<0.1
DUP 1389223	QC	0.028	11.8	0.8	0.16	58.8	0.005	2	0.46	0.030	0.18	86.8	0.6	0.08	1.05	<5	1.2	0.08	1.8	0.68	<0.1
1389258	Drill Core	0.030	9.5	1.1	0.15	52.7	0.003	2	0.29	0.018	0.21	0.5	0.7	0.09	0.61	<5	0.7	2.23	1.1	0.37	<0.1
DUP 1389258	QC	0.028	9.5	0.7	0.15	56.2	0.003	1	0.29	0.018	0.21	0.6	0.7	0.10	0.64	<5	0.8	2.83	1.1	0.37	<0.1
1389293	Drill Core	0.033	13.7	1.2	0.19	46.0	0.017	2	0.38	0.035	0.18	26.2	0.8	0.11	0.67	<5	0.6	0.08	1.5	0.64	<0.1
DUP 1389293	QC	0.031	14.2	1.4	0.18	46.5	0.017	2	0.37	0.035	0.19	25.5	0.8	0.11	0.67	<5	0.6	0.08	1.5	0.67	<0.1
Reference Materials																					
STD DS8	Standard	0.076	14.1	119.2	0.63	268.4	0.111	3	0.95	0.088	0.45	2.7	2.2	5.17	0.18	184	4.9	4.61	4.7	2.43	<0.1

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Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

QUALITY CONTROL REPORT VAN11004172.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
Pulp Duplicates																
1389170	Rock	<0.02	<0.02	0.3	<0.1	<0.05	<0.1	0.57	0.7	<0.02	<1	<0.1	0.5	<10	<2	
REP 1389170	QC	<0.02	<0.02	0.4	<0.1	<0.05	<0.1	0.55	0.8	<0.02	<1	<0.1	0.5	<10	<2	
1389186	Drill Core	0.04	0.07	12.3	0.1	<0.05	0.9	6.25	29.1	<0.02	110	0.4	6.6	18	<2	
REP 1389186	QC	0.04	0.09	12.2	0.1	<0.05	0.9	6.27	29.2	<0.02	98	0.5	6.5	<10	<2	
1389205	Drill Core	0.10	0.42	13.8	0.2	<0.05	1.6	6.69	32.7	<0.02	14	0.3	6.4	<10	<2	
REP 1389205	QC	0.08	0.41	14.1	0.2	<0.05	1.7	6.69	33.0	<0.02	13	0.3	6.4	<10	<2	
REP 1389223	QC	0.05	0.14	8.8	0.2	<0.05	1.1	5.68	24.8	<0.02	167	0.5	4.8	<10	<2	
1389230	Drill Core	0.10	0.92	9.9	0.4	<0.05	1.8	6.02	26.8	<0.02	26	0.2	6.4	<10	<2	
REP 1389230	QC	0.10	0.89	10.3	0.3	<0.05	1.7	5.74	26.1	<0.02	32	0.2	6.4	<10	<2	
1389256	Drill Core	0.05	0.03	11.9	0.4	<0.05	1.2	3.85	8.3	<0.02	442	0.2	3.2	*	3	
REP 1389256	QC	0.05	0.02	11.4	0.4	<0.05	1.1	3.70	8.1	<0.02	393	0.1	2.9	*	3	
1389268	Drill Core	0.08	0.03	14.9	0.6	<0.05	1.7	5.90	15.3	0.03	80	0.4	13.1	<10	<2	
REP 1389268	QC	0.09	0.03	15.2	0.7	<0.05	1.7	5.99	15.3	0.03	77	0.3	13.1	<10	<2	
1389280	Drill Core	0.04	0.02	15.2	0.5	<0.05	1.0	4.05	9.5	<0.02	22	0.3	4.0	<10	<2	0.070
REP 1389280	QC															0.071
1389291	Drill Core	0.14	0.59	13.6	0.4	<0.05	2.4	7.07	29.5	<0.02	23	0.6	9.0	<10	<2	
REP 1389291	QC	0.12	0.58	13.5	0.4	<0.05	2.1	6.92	27.6	<0.02	18	0.3	8.7	<10	<2	
Core Reject Duplicates																
1389188	Drill Core	0.04	0.04	10.2	0.1	<0.05	1.0	5.50	32.8	<0.02	99	0.3	7.8	<10	<2	
DUP 1389188	QC	0.05	0.04	8.7	0.1	<0.05	0.9	5.18	30.3	<0.02	86	0.3	7.2	<10	<2	
1389223	Drill Core	0.05	0.12	8.6	0.2	<0.05	1.1	5.79	23.2	<0.02	182	0.4	4.8	<10	<2	
DUP 1389223	QC	0.04	0.12	9.3	0.2	<0.05	1.1	5.83	24.6	<0.02	155	0.5	5.0	<10	<2	
1389258	Drill Core	0.05	0.06	10.5	0.3	<0.05	1.2	3.98	15.5	<0.02	81	0.2	3.6	<10	<2	
DUP 1389258	QC	0.05	0.07	10.7	0.3	<0.05	1.2	3.96	15.6	<0.02	67	0.2	4.0	<10	<2	
1389293	Drill Core	0.08	0.38	12.9	0.4	<0.05	1.7	4.92	22.8	<0.02	15	0.4	5.7	<10	2	
DUP 1389293	QC	0.10	0.42	12.8	0.4	<0.05	1.8	4.95	23.1	<0.02	11	0.5	5.4	<10	<2	
Reference Materials																
STD DS8	Standard	0.08	1.19	39.8	7.6	<0.05	2.1	5.70	25.2	2.30	53	4.9	26.8	80	325	

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QUALITY CONTROL REPORT VAN11004172.2

		WGHT Wgt kg 0.01	1F30 Mo ppm 0.01	1F30 Cu ppm 0.01	1F30 Pb ppm 0.01	1F30 Zn ppm 0.1	1F30 Ag ppb 2	1F30 Ni ppm 0.1	1F30 Co ppm 0.1	1F30 Mn ppm 1	1F30 Fe % 0.01	1F30 As ppm 0.1	1F30 U ppm 0.1	1F30 Au ppb 0.2	1F30 Th ppm 0.1	1F30 Sr ppm 0.5	1F30 Cd ppm 0.01	1F30 Sb ppm 0.02	1F30 Bi ppm 0.02	1F30 V ppm 2	1F30 Ca % 0.01
STD DS8	Standard		12.42	93.84	121.3	299.4	1711	36.9	6.6	613	2.52	23.4	2.4	131.4	5.9	62.3	1.95	4.63	5.67	40	0.70
STD DS8	Standard		13.48	97.45	132.0	311.3	1866	39.1	7.9	615	2.52	23.8	2.5	126.3	6.2	56.5	2.02	4.73	5.92	41	0.71
STD DS8	Standard		14.11	119.7	135.8	326.5	1819	41.1	8.0	632	2.60	27.4	3.1	114.4	7.8	70.6	2.35	5.99	7.51	42	0.77
STD DS8	Standard		13.34	116.3	139.1	354.6	2006	38.9	6.7	632	2.64	26.2	2.4	125.8	6.2	67.6	2.31	5.02	6.49	45	0.73
STD DS8	Standard		12.12	104.9	122.4	304.6	1696	37.1	7.2	607	2.48	28.2	2.7	108.1	6.7	71.7	2.40	5.44	7.16	40	0.68
STD NBLG	Standard																				
STD NBLG	Standard																				
STD NBLG	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107 Expected																					
STD DS8 Expected			13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
BLK	Blank		<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
BLK	Blank		<0.01	0.33	<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
BLK	Blank		<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
BLK	Blank		<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
BLK	Blank		<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
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<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
Prep Wash																					
G1	Prep Blank	<0.01	0.09	6.90	2.42	41.0	13	2.3	3.6	509	2.00	0.8	1.2	2.8	3.9	43.5	0.06	0.06	0.07	37	0.42
G1	Prep Blank	<0.01	0.11	7.55	2.48	42.3	9	2.3	3.7	538	2.01	0.9	1.2	0.3	4.3	44.4	0.02	0.02	0.06	37	0.42

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QUALITY CONTROL REPORT VAN11004172.2

		1F30 P % 0.001	1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Tl ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1	1F30 Cs ppm 0.02	1F30 Ge ppm 0.1
STD DS8	Standard	0.073	13.1	120.9	0.62	235.4	0.096	3	0.92	0.086	0.41	2.9	1.8	5.36	0.16	192	5.4	4.96	4.7	2.24	0.1
STD DS8	Standard	0.074	12.6	123.8	0.62	273.9	0.101	2	0.92	0.085	0.42	3.2	1.8	5.82	0.17	210	5.5	5.18	4.8	2.53	<0.1
STD DS8	Standard	0.089	17.2	122.7	0.66	291.9	0.131	3	1.00	0.097	0.44	3.2	2.3	5.96	0.18	209	5.3	5.31	4.9	2.65	0.1
STD DS8	Standard	0.081	12.6	125.7	0.65	267.2	0.110	3	0.95	0.091	0.43	3.1	1.8	5.91	0.18	217	5.7	5.23	4.7	2.27	<0.1
STD DS8	Standard	0.081	14.1	117.2	0.59	276.1	0.118	3	0.86	0.082	0.39	3.1	2.2	5.18	0.16	266	5.2	4.61	4.4	2.28	<0.1
STD NBLG	Standard																				
STD NBLG	Standard																				
STD NBLG	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107 Expected																					
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
Prep Wash																					
G1	Prep Blank	0.064	8.9	4.7	0.49	133.5	0.093	1	0.86	0.083	0.46	<0.1	1.5	0.30	<0.02	<5	<0.1	<0.02	4.3	2.66	<0.1
G1	Prep Blank	0.067	9.4	5.4	0.50	136.0	0.094	<1	0.85	0.080	0.46	<0.1	1.5	0.31	<0.02	<5	<0.1	<0.02	4.4	2.83	<0.1

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QUALITY CONTROL REPORT VAN11004172.2

		1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	7KP W % 0.005
STD DS8	Standard	0.09	1.21	34.9	5.9	<0.05	1.9	5.53	25.8	2.03	54	4.9	23.4	126	343	
STD DS8	Standard	0.09	1.20	36.0	5.9	<0.05	2.0	5.40	26.6	1.99	67	5.1	23.9	121	361	
STD DS8	Standard	0.08	1.28	39.2	7.4	<0.05	2.2	6.57	29.3	2.68	61	4.8	29.0	102	350	
STD DS8	Standard	0.08	1.03	35.7	6.4	<0.05	1.9	4.92	24.6	2.08	62	5.1	26.7	128	378	
STD DS8	Standard	0.09	1.36	37.4	6.8	<0.05	2.1	5.89	25.2	2.30	52	4.6	25.8	114	328	
STD NBLG	Standard															<0.005
STD NBLG	Standard															<0.005
STD NBLG	Standard															<0.005
STD W107	Standard															0.412
STD W107	Standard															0.414
STD W107	Standard															0.414
STD W107 Expected																0.42
STD DS8 Expected		0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank															<0.005
BLK	Blank															<0.005
BLK	Blank															<0.005
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
Prep Wash																
G1	Prep Blank	0.07	0.41	35.0	0.4	<0.05	0.9	4.22	19.4	0.05	<1	0.2	24.3	<10	<2	
G1	Prep Blank	0.08	0.41	37.1	0.4	<0.05	0.9	4.20	19.8	<0.02	<1	0.2	25.6	<10	<2	

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Submitted By: Rob Pease
Receiving Lab: Canada-Vancouver
Received: August 26, 2011
Report Date: October 03, 2011
Page: 1 of 6

CERTIFICATE OF ANALYSIS VAN11004242.2

CLIENT JOB INFORMATION

Project: Stewart
Shipment ID: Stewy 5
P.O. Number
Number of Samples: 138

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
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
R200-500	131	Crush, split and pulverize 500 g rock to 200 mesh			VAN
1F06	138	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
7KP	18	Phosphoric acid leach, ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Version 2: 1F06 Re included.

Invoice To: Emgold Mining Corp.
PO Box 1836
Grass Valley California 95945
USA

CC: Perry Grunenbery

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: October 03, 2011

CERTIFICATE OF ANALYSIS VAN11004242.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389299	Drill Core	3.00	256.8	67.91	25.32	38.8	728	4.5	4.5	541	1.66	13.7	4.1	12.2	7.1	109.3	0.25	0.58	2.98	11	0.06
1389300	Drill Core	3.36	362.5	66.69	17.43	34.0	494	4.9	4.7	756	1.77	20.2	3.5	13.0	6.2	105.2	0.48	0.55	2.02	16	0.20
1389301	Drill Core	3.36	264.5	48.76	25.01	29.4	777	3.1	3.1	701	1.37	14.0	4.5	13.6	7.4	95.1	0.46	0.49	2.91	11	0.10
1389302	Drill Core	2.85	79.00	60.45	25.04	40.9	1259	2.9	3.9	669	1.61	28.7	4.7	21.4	6.3	103.1	0.58	0.57	7.62	12	0.10
1389303	Rock	0.28	0.36	0.24	0.89	10.5	5	1.8	0.5	211	0.39	2.6	0.5	0.5	<0.1	36.5	0.04	<0.02	0.04	<2	19.58
1389304	Rock Pulp	0.08	1030	9256	48.00	168.2	4053	39.5	20.4	555	4.62	34.5	0.6	697.8	1.6	46.7	0.99	6.43	1.67	104	0.97
1389305	Drill Core	4.42	238.7	37.75	28.06	33.9	1056	2.6	2.2	888	1.34	10.7	3.5	8.1	6.7	125.6	0.60	0.34	5.52	10	0.31
1389306	Drill Core	2.88	142.5	50.82	38.44	28.2	1520	8.8	5.0	484	1.69	19.1	2.6	5.7	4.7	64.1	0.34	0.36	7.49	19	0.31
1389307	Drill Core	4.49	309.8	43.10	6.78	17.8	186	3.3	3.2	524	1.44	6.9	2.6	6.2	4.6	121.8	0.01	0.41	1.36	18	0.95
1389308	Drill Core	3.62	1847	51.31	15.21	13.5	655	1.7	4.2	466	1.65	17.7	3.4	19.0	5.6	157.7	<0.01	0.45	3.40	13	1.13
1389309	Drill Core	5.72	620.7	51.73	7.04	13.8	203	1.8	3.3	429	1.40	4.9	4.2	6.8	8.1	155.6	<0.01	0.27	1.57	12	1.30
1389310	Drill Core	6.07	133.6	64.56	4.93	17.2	155	1.6	3.9	384	1.62	11.2	2.4	6.1	4.9	115.5	0.11	0.41	1.42	20	0.96
1389311	Drill Core	7.31	514.9	46.50	8.44	15.4	250	1.7	3.1	443	1.45	20.1	2.8	14.8	4.7	154.3	<0.01	0.69	3.30	17	1.26
1389312	Drill Core	5.54	24.62	34.44	4.85	17.0	124	1.2	2.2	533	1.44	5.7	3.7	3.0	5.9	165.6	0.09	0.37	0.60	25	1.36
1389313	Drill Core	4.40	120.8	45.24	6.99	19.8	188	1.9	2.8	448	1.39	7.7	2.6	6.3	4.7	125.3	0.14	0.48	1.02	16	1.24
1389314	Drill Core	5.24	91.31	38.62	8.17	25.8	169	1.4	2.1	479	1.36	10.9	2.5	10.0	5.3	105.3	0.11	0.61	0.80	18	1.07
1389315	Drill Core	5.24	2.32	25.56	11.73	71.6	121	13.5	19.2	974	4.05	5.9	0.7	25.3	2.9	235.3	0.24	1.42	0.15	71	4.31
1389316	Drill Core	5.79	1445	75.32	49.02	95.7	2214	5.4	5.6	731	2.42	66.9	2.6	84.4	3.9	190.8	0.88	4.80	4.30	6	1.47
1389317	Drill Core	4.02	438.2	46.44	34.50	51.5	850	4.1	3.4	652	1.58	68.9	2.6	15.8	4.3	176.5	0.49	1.91	2.50	16	1.84
1389318	Drill Core	5.31	137.4	32.01	4.11	22.4	152	1.4	2.2	382	1.62	2.8	2.5	2.9	3.8	89.6	0.06	0.42	0.75	35	0.90
1389319	Drill Core	3.60	8.45	29.98	3.24	19.6	82	0.9	1.7	392	1.42	1.0	1.6	3.0	2.7	92.5	0.08	0.17	0.33	31	0.91
1389320	Rock	0.34	1.09	1.06	0.98	15.2	5	2.1	0.6	245	0.54	3.2	0.6	0.5	<0.1	43.8	0.05	<0.02	<0.02	<2	20.14
1389321	Rock Pulp	0.08	345.5	3344	23.70	56.7	1828	31.2	8.4	428	3.20	13.4	0.3	904.4	1.1	34.9	0.26	3.55	0.58	48	0.59
1389322	Drill Core	4.41	382.6	46.90	14.18	28.2	720	4.1	4.1	695	1.68	15.6	2.5	6.6	4.3	165.3	0.26	1.72	2.65	24	1.43
1389323	Drill Core	4.16	265.4	39.64	7.36	21.9	285	4.0	3.5	523	1.41	16.3	3.5	7.6	5.1	163.5	0.07	0.96	1.11	18	1.50
1389324	Drill Core	3.81	193.1	70.39	61.29	14.0	5167	5.2	5.8	372	2.08	5.1	3.8	37.9	5.1	126.6	0.16	2.50	40.31	16	1.06
1389325	Drill Core	3.13	198.9	33.06	6.52	11.4	145	3.1	2.3	450	1.15	2.4	3.6	3.6	5.3	160.3	<0.01	0.43	0.82	18	1.46
1389326	Drill Core	4.60	139.9	37.41	8.21	24.7	221	2.6	2.6	445	1.29	11.2	3.0	6.8	4.8	137.0	0.35	1.32	1.07	17	1.35
1389327	Drill Core	4.55	254.5	43.48	20.10	32.2	1509	4.4	3.4	566	1.54	14.0	2.6	15.7	4.5	172.8	0.49	3.18	10.93	18	1.54
1389328	Drill Core	2.99	381.3	62.47	9.80	12.2	399	8.6	4.6	546	2.27	6.0	3.8	5.5	5.8	130.3	<0.01	0.88	2.08	21	1.22

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Client: **Emgold Mining Corp.**
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Grass Valley California 95945 USA

Project: Stewart
Report Date: October 03, 2011

CERTIFICATE OF ANALYSIS VAN11004242.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389299	Drill Core	0.035	16.3	3.1	0.17	169.2	0.004	<1	0.62	0.016	0.21	2.0	1.3	0.11	0.09	16	0.6	0.16	1.7	0.57	<0.1
1389300	Drill Core	0.047	23.1	2.7	0.22	80.9	0.013	1	0.58	0.022	0.21	2.1	1.5	0.10	0.43	21	0.8	0.16	1.9	0.56	<0.1
1389301	Drill Core	0.034	23.4	3.7	0.12	96.8	0.005	3	0.59	0.028	0.20	3.0	1.2	0.09	0.02	<5	0.6	0.18	1.7	0.65	<0.1
1389302	Drill Core	0.037	22.8	5.8	0.18	117.7	0.005	1	0.60	0.020	0.18	9.5	1.3	0.09	0.05	6	0.6	0.20	1.8	0.64	<0.1
1389303	Rock	0.064	0.5	<0.5	11.83	17.3	0.002	<1	0.04	0.002	0.02	<0.1	0.1	0.02	<0.02	13	0.1	<0.02	<0.1	0.11	<0.1
1389304	Rock Pulp	0.094	8.3	63.6	1.06	70.3	0.151	4	1.76	0.107	0.54	15.3	7.9	0.45	1.97	156	5.2	0.53	5.9	2.19	<0.1
1389305	Drill Core	0.037	16.3	2.1	0.20	95.5	0.004	1	0.46	0.015	0.26	0.8	1.1	0.10	0.24	18	0.5	0.10	1.5	0.47	<0.1
1389306	Drill Core	0.041	15.7	4.7	0.20	74.3	0.019	<1	0.47	0.036	0.17	4.1	1.1	0.08	0.38	14	1.3	0.15	1.9	0.56	<0.1
1389307	Drill Core	0.047	14.8	2.2	0.18	62.8	0.018	1	0.28	0.037	0.16	31.0	1.1	0.09	0.52	<5	0.9	0.03	1.2	0.72	<0.1
1389308	Drill Core	0.036	12.4	1.5	0.20	54.8	0.015	1	0.27	0.031	0.20	1.9	0.9	0.09	0.97	25	1.2	0.18	1.1	0.59	<0.1
1389309	Drill Core	0.036	15.2	1.6	0.20	40.1	0.010	2	0.25	0.029	0.17	1.4	0.9	0.09	0.66	21	0.9	0.07	1.0	0.82	0.1
1389310	Drill Core	0.038	16.9	1.8	0.21	51.4	0.023	<1	0.34	0.052	0.15	6.6	1.0	0.08	0.61	13	0.9	0.03	1.6	0.97	<0.1
1389311	Drill Core	0.037	16.5	1.4	0.18	51.8	0.013	2	0.29	0.041	0.13	5.7	1.0	0.07	0.61	24	1.0	0.20	1.3	0.75	<0.1
1389312	Drill Core	0.039	17.3	1.4	0.20	55.2	0.027	<1	0.33	0.051	0.11	0.7	1.0	0.03	0.51	18	0.7	0.03	1.6	0.48	<0.1
1389313	Drill Core	0.036	15.8	1.2	0.17	63.3	0.013	<1	0.35	0.038	0.12	1.1	0.9	0.07	0.56	14	0.8	0.07	1.5	0.62	<0.1
1389314	Drill Core	0.037	16.3	1.4	0.24	95.9	0.024	<1	0.41	0.048	0.11	1.3	1.0	0.04	0.54	17	0.8	0.08	1.6	0.58	<0.1
1389315	Drill Core	0.350	21.6	41.2	1.95	300.5	0.052	2	2.15	0.025	0.42	0.5	9.8	0.19	0.38	30	0.3	<0.02	5.1	2.80	<0.1
1389316	Drill Core	0.039	6.7	1.8	0.25	54.8	<0.001	5	0.33	0.010	0.22	1.4	1.1	0.15	1.83	29	1.8	0.30	1.0	0.80	<0.1
1389317	Drill Core	0.046	14.3	3.5	0.28	72.0	0.004	2	0.45	0.026	0.17	0.6	1.4	0.09	0.70	19	0.9	0.15	1.7	0.59	<0.1
1389318	Drill Core	0.043	14.1	1.6	0.19	52.7	0.046	<1	0.34	0.073	0.11	0.4	0.7	0.03	0.54	18	0.6	0.06	1.8	0.34	<0.1
1389319	Drill Core	0.042	13.4	1.2	0.17	65.1	0.037	<1	0.30	0.057	0.08	2.4	0.7	<0.02	0.46	15	0.5	<0.02	1.6	0.34	<0.1
1389320	Rock	0.016	0.5	<0.5	12.14	20.7	0.001	<1	0.02	0.002	0.01	3.5	0.1	<0.02	<0.02	8	0.4	<0.02	<0.1	0.06	<0.1
1389321	Rock Pulp	0.052	5.3	31.7	0.55	111.0	0.100	4	1.18	0.082	0.10	0.8	3.4	0.07	0.38	105	1.4	0.15	4.1	0.36	0.1
1389322	Drill Core	0.045	12.6	5.6	0.32	58.9	0.031	<1	0.37	0.039	0.22	15.5	1.1	0.12	0.78	14	0.9	0.14	1.6	0.82	<0.1
1389323	Drill Core	0.038	12.9	6.0	0.27	67.7	0.018	2	0.38	0.042	0.17	1.5	1.0	0.07	0.61	10	0.7	0.06	1.6	0.59	<0.1
1389324	Drill Core	0.030	13.4	2.5	0.20	55.9	0.016	<1	0.33	0.030	0.20	>100	0.9	0.12	1.17	<5	1.5	3.13	1.4	0.84	<0.1
1389325	Drill Core	0.034	16.1	2.2	0.20	49.1	0.017	<1	0.30	0.036	0.18	4.5	0.8	0.09	0.45	19	0.8	0.02	1.4	0.71	<0.1
1389326	Drill Core	0.041	15.5	1.8	0.21	41.7	0.022	<1	0.30	0.035	0.18	0.7	0.9	0.10	0.53	18	0.6	0.09	1.4	0.81	0.1
1389327	Drill Core	0.035	12.8	4.5	0.25	41.8	0.015	<1	0.29	0.028	0.22	0.6	1.4	0.13	0.75	15	0.8	0.39	1.4	1.13	<0.1
1389328	Drill Core	0.040	11.7	6.6	0.22	38.1	0.020	<1	0.29	0.026	0.21	>100	1.2	0.13	1.20	<5	1.4	0.34	1.3	1.00	<0.1

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PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: October 03, 2011

CERTIFICATE OF ANALYSIS VAN11004242.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
1389299	Drill Core	0.07	0.03	12.1	<0.1	<0.05	1.2	5.25	27.2	<0.02	14	0.6	10.1	*	<2		
1389300	Drill Core	0.07	0.12	12.2	0.2	<0.05	1.4	9.22	36.1	<0.02	249	0.8	10.6	*	<2		
1389301	Drill Core	0.06	0.06	11.4	0.2	<0.05	1.3	6.77	36.0	<0.02	18	0.4	7.7	*	<2		
1389302	Drill Core	0.04	0.04	12.7	<0.1	<0.05	1.0	8.58	35.8	<0.02	3	0.6	8.2	<10	<2		
1389303	Rock	<0.02	0.04	1.0	<0.1	<0.05	<0.1	0.68	1.0	<0.02	<1	0.1	1.0	<10	<2		
1389304	Rock Pulp	0.14	0.08	28.0	1.7	<0.05	4.7	10.89	16.3	<0.02	991	0.6	11.0	*	<2		
1389305	Drill Core	0.07	0.03	12.3	0.2	<0.05	1.4	5.29	25.7	<0.02	121	0.3	7.4	*	<2		
1389306	Drill Core	0.05	0.07	10.2	0.1	<0.05	1.1	5.25	26.5	<0.02	89	0.4	8.3	10	<2		
1389307	Drill Core	0.07	0.24	10.4	<0.1	<0.05	1.3	5.61	25.5	<0.02	206	0.2	5.8	*	<2		
1389308	Drill Core	0.07	0.37	11.5	0.1	<0.05	1.4	4.92	21.5	<0.02	1060	<0.1	4.6	*	2		
1389309	Drill Core	0.08	0.23	11.4	<0.1	<0.05	1.7	5.51	25.3	<0.02	354	0.4	4.7	*	<2		
1389310	Drill Core	0.07	0.37	10.0	0.2	<0.05	1.2	6.42	28.3	<0.02	80	0.4	6.0	21	3		
1389311	Drill Core	0.04	0.27	7.7	0.1	<0.05	0.9	6.06	27.7	<0.02	273	0.6	4.3	*	<2		
1389312	Drill Core	0.07	0.42	5.1	0.1	<0.05	1.7	6.51	28.0	<0.02	24	0.5	4.9	<10	3		
1389313	Drill Core	0.05	0.21	6.8	0.2	<0.05	0.9	6.08	26.7	<0.02	75	0.7	5.3	<10	<2		
1389314	Drill Core	0.07	0.28	5.3	0.2	<0.05	1.2	6.34	27.4	<0.02	54	0.7	4.8	<10	<2		
1389315	Drill Core	0.09	<0.02	22.3	0.2	<0.05	4.3	8.74	47.3	0.04	1	2.3	44.3	<10	<2		
1389316	Drill Core	0.03	0.02	10.8	0.8	<0.05	0.9	4.71	11.4	<0.02	780	0.4	2.9	*	2		
1389317	Drill Core	0.05	0.07	10.0	0.2	<0.05	0.9	5.94	24.8	<0.02	257	0.4	9.2	*	2		
1389318	Drill Core	0.10	0.57	4.8	0.3	<0.05	1.5	5.38	24.6	<0.02	88	0.2	6.4	14	<2		
1389319	Drill Core	0.07	0.50	3.4	0.3	<0.05	1.2	5.32	23.2	<0.02	11	0.3	5.6	<10	<2		
1389320	Rock	<0.02	0.03	0.5	<0.1	<0.05	<0.1	0.76	1.1	<0.02	<1	<0.1	0.9	<10	<2		
1389321	Rock Pulp	0.26	0.10	4.0	1.8	<0.05	6.7	7.14	10.5	<0.02	309	0.2	8.7	*	<2		
1389322	Drill Core	0.09	0.37	15.3	0.2	<0.05	1.4	5.33	21.1	<0.02	226	0.2	8.1	*	<2		
1389323	Drill Core	0.06	0.20	10.8	0.1	<0.05	1.4	4.86	20.7	<0.02	163	0.3	7.1	*	<2		
1389324	Drill Core	0.07	0.27	13.5	0.1	<0.05	1.3	4.28	21.4	<0.02	141	0.5	6.2	26	<2	0.019	0.027
1389325	Drill Core	0.07	0.32	11.7	0.2	<0.05	1.3	5.49	26.8	<0.02	127	0.3	6.3	23	2		
1389326	Drill Core	0.08	0.39	12.8	0.3	<0.05	1.3	5.47	26.0	<0.02	94	0.1	6.5	15	<2		
1389327	Drill Core	0.07	0.28	16.4	0.3	<0.05	1.2	4.91	21.9	<0.02	117	0.2	7.2	*	3		
1389328	Drill Core	0.06	0.35	16.1	0.3	<0.05	1.5	4.60	18.0	<0.02	194	0.2	7.2	*	<2	0.039	0.024

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Project: Stewart
Report Date: October 03, 2011

CERTIFICATE OF ANALYSIS VAN11004242.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389329	Drill Core	3.11	856.1	277.3	40.44	41.0	3072	20.0	17.3	720	7.68	1004	3.1	238.2	4.8	284.4	0.46	9.98	7.18	18	1.14
1389330	Drill Core	6.04	969.5	88.79	16.77	43.3	815	20.9	6.0	1265	2.66	12.1	3.7	16.7	4.4	291.4	0.19	6.37	3.01	34	2.12
1389331	Drill Core	8.89	1190	127.2	17.41	54.8	1087	18.5	7.8	1496	3.66	32.3	4.2	21.5	4.1	205.1	0.61	2.33	5.01	54	2.30
1389332	Drill Core	3.66	720.7	62.38	37.54	69.1	1215	12.1	4.9	1068	2.22	25.5	6.9	17.9	5.9	165.5	0.81	1.93	5.45	28	1.27
1389333	Drill Core	4.68	686.5	80.69	35.07	32.4	2047	16.9	7.8	841	2.40	13.4	5.0	9.9	6.4	175.3	0.39	0.97	11.09	27	1.35
1389334	Drill Core	7.79	883.5	57.62	72.43	92.1	1905	9.7	3.8	1327	1.83	45.3	4.0	16.0	6.8	219.4	1.09	1.68	4.18	11	1.59
1389335	Drill Core	2.95	1150	66.89	71.16	208.8	1773	15.8	5.7	1421	2.56	222.8	3.2	48.1	5.2	161.2	1.69	2.46	3.66	20	2.35
1389336	Drill Core	3.83	>2000	136.0	33.06	35.9	1505	37.9	11.6	1350	3.84	38.4	5.4	19.0	4.7	213.0	0.51	6.11	5.54	39	2.58
1389337	Drill Core	8.61	1009	49.48	54.28	56.2	1918	7.1	3.2	1281	1.77	69.8	5.1	16.7	7.3	247.0	0.93	2.64	6.44	10	1.47
1389338	Drill Core	5.43	740.6	47.32	34.31	44.1	1335	3.9	3.6	914	1.75	28.1	2.9	19.0	4.3	219.3	0.90	1.15	4.85	5	1.33
1389339	Drill Core	4.61	1224	46.53	62.20	98.0	2241	2.7	3.4	1092	1.75	18.9	4.6	25.5	6.5	375.6	1.63	1.95	7.75	5	1.80
1389340	Rock	0.34	1.77	10.46	0.92	19.3	22	2.0	0.7	286	0.44	3.2	0.4	1.1	<0.1	46.4	0.07	<0.02	0.07	<2	21.55
1389341	Rock Pulp	0.08	872.9	8604	42.83	152.9	3730	35.4	18.2	484	4.01	33.2	0.5	698.6	1.4	41.5	1.19	5.85	1.43	90	0.90
1389342	Drill Core	5.71	315.3	34.37	25.02	35.1	871	1.7	2.1	667	1.15	13.6	4.0	5.9	6.3	189.5	0.52	0.98	1.93	8	1.03
1389343	Drill Core	2.99	1001	51.96	85.05	98.9	1823	4.4	3.0	807	1.56	12.5	5.3	6.8	7.2	186.6	1.03	1.02	4.11	11	1.37
1389344	Drill Core	5.57	1394	59.13	25.62	202.9	1311	14.6	6.5	1151	2.31	22.4	2.9	31.2	3.6	220.4	6.53	2.26	3.74	28	1.66
1389345	Drill Core	5.68	>2000	88.57	40.64	214.3	2213	6.0	4.0	1434	2.43	23.4	4.0	30.7	4.9	207.9	2.74	3.51	5.93	13	1.82
1389346	Drill Core	3.71	216.0	49.81	20.91	41.0	905	2.7	3.0	1051	1.57	25.2	3.6	5.2	5.1	192.1	0.47	1.28	3.17	5	1.58
1389347	Drill Core	3.53	1589	47.70	21.36	11.2	1207	3.0	2.8	863	1.53	35.5	2.7	17.9	4.1	169.0	0.22	1.46	3.22	5	1.19
1389348	Drill Core	4.21	1762	74.53	25.47	71.2	1897	7.9	6.2	997	2.47	43.3	2.8	35.7	3.5	126.9	1.53	2.50	4.95	13	1.10
1389349	Drill Core	6.08	>2000	80.81	55.71	43.5	2698	11.4	4.4	1209	2.63	39.9	5.2	37.9	6.6	155.0	0.61	2.25	7.68	23	1.62
1389350	Drill Core	3.02	1481	82.45	71.60	158.4	3365	9.3	4.1	2908	2.45	26.5	4.3	17.3	4.8	250.4	2.96	1.93	12.54	14	2.73
1389351	Drill Core	4.98	1781	59.07	37.69	81.9	1782	14.1	5.3	1588	2.18	14.6	3.8	9.7	4.3	289.4	0.84	1.34	4.86	38	2.56
1389352	Drill Core	3.07	455.2	46.46	18.49	42.0	591	1.5	2.6	632	1.45	4.9	3.5	3.0	5.5	219.8	0.62	0.44	1.59	14	1.08
1389353	Drill Core	3.88	498.0	43.05	19.01	48.5	578	2.0	2.3	936	1.45	4.6	3.1	4.2	4.9	251.0	1.03	0.43	1.62	10	1.46
1389354	Drill Core	5.21	647.9	45.72	23.81	30.5	678	4.0	2.7	1243	1.60	4.7	3.3	3.8	6.0	245.9	0.51	0.56	1.86	14	1.47
1389355	Drill Core	5.17	361.9	45.30	16.70	36.6	656	1.5	2.2	683	1.41	8.4	4.5	6.5	6.9	249.1	0.77	0.42	3.04	11	1.08
1389356	Drill Core	5.24	497.6	59.63	29.67	49.9	647	3.0	3.0	698	1.84	7.2	3.4	4.3	4.8	191.6	0.84	0.52	1.52	9	1.18
1389357	Drill Core	4.48	1741	76.64	122.4	35.8	10902	16.9	5.7	1116	2.35	9.8	3.2	28.7	4.7	218.3	0.83	2.09	66.93	35	1.60
1389358	Drill Core	4.74	328.4	54.90	7.17	31.7	252	3.6	3.5	652	1.73	3.3	4.2	4.0	6.3	159.4	0.54	0.31	1.01	28	1.69

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CERTIFICATE OF ANALYSIS VAN11004242.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389329	Drill Core	0.038	6.5	5.1	0.23	27.3	0.007	2	0.29	0.016	0.23	12.0	1.4	0.12	6.11	25	6.3	0.45	1.1	0.68	<0.1
1389330	Drill Core	0.067	9.6	12.2	0.43	56.2	0.017	3	0.43	0.015	0.24	31.8	2.6	0.13	1.39	<5	2.0	0.20	1.8	1.14	<0.1
1389331	Drill Core	0.054	7.4	16.1	0.38	42.3	0.016	1	0.48	0.012	0.23	>100	2.9	0.13	1.97	<5	2.3	0.27	2.4	1.14	0.1
1389332	Drill Core	0.046	11.4	7.1	0.27	55.0	0.010	1	0.41	0.013	0.17	19.1	1.5	0.08	1.08	<5	1.3	0.29	1.5	0.36	<0.1
1389333	Drill Core	0.052	11.5	13.0	0.36	43.4	0.026	2	0.40	0.026	0.18	3.4	2.0	0.08	1.32	<5	2.0	0.59	1.4	0.58	<0.1
1389334	Drill Core	0.038	7.6	5.3	0.32	57.1	0.004	3	0.35	0.015	0.19	>100	1.7	0.09	0.89	<5	1.1	0.19	1.1	0.34	<0.1
1389335	Drill Core	0.053	7.2	10.9	0.48	50.6	0.003	3	0.72	0.009	0.19	8.4	3.8	0.11	1.16	<5	1.5	0.25	2.0	0.89	<0.1
1389336	Drill Core	0.066	9.3	15.4	0.47	36.5	0.011	2	0.60	0.015	0.34	28.7	2.7	0.24	2.31	12	2.9	0.38	2.3	2.08	<0.1
1389337	Drill Core	0.031	9.2	3.3	0.29	88.9	0.002	2	0.31	0.015	0.19	15.5	1.6	0.09	0.90	9	1.2	0.23	1.1	0.40	<0.1
1389338	Drill Core	0.033	6.9	1.7	0.21	46.2	<0.001	2	0.24	0.016	0.17	4.2	1.1	0.08	1.22	8	1.2	0.19	0.9	0.29	<0.1
1389339	Drill Core	0.039	7.6	1.2	0.26	51.5	<0.001	3	0.21	0.021	0.16	2.2	1.2	0.11	1.01	9	1.0	0.27	0.7	0.47	<0.1
1389340	Rock	0.019	0.5	0.5	10.66	148.9	0.001	<1	0.03	0.001	0.01	0.2	0.2	<0.02	<0.02	<5	0.2	<0.02	<0.1	0.12	<0.1
1389341	Rock Pulp	0.085	7.0	56.4	0.98	66.3	0.124	2	1.58	0.097	0.50	13.1	7.1	0.39	1.82	120	4.4	0.49	5.2	2.01	<0.1
1389342	Drill Core	0.029	12.8	1.3	0.16	45.5	0.005	2	0.25	0.024	0.16	2.1	0.8	0.06	0.50	<5	0.5	0.11	1.0	0.37	<0.1
1389343	Drill Core	0.036	10.5	2.6	0.24	47.9	0.005	2	0.29	0.021	0.18	1.5	1.1	0.10	0.85	8	1.1	0.18	1.2	0.68	<0.1
1389344	Drill Core	0.049	6.2	17.5	0.49	44.6	0.020	2	0.40	0.022	0.18	2.0	3.1	0.11	1.36	7	1.7	0.19	1.5	1.22	<0.1
1389345	Drill Core	0.039	7.0	4.7	0.36	65.5	0.002	3	0.45	0.012	0.23	2.7	1.8	0.33	1.61	20	1.4	0.30	1.5	0.79	<0.1
1389346	Drill Core	0.039	12.3	1.2	0.24	36.7	<0.001	1	0.28	0.017	0.17	14.6	1.2	0.09	0.78	<5	0.9	0.10	1.0	0.61	<0.1
1389347	Drill Core	0.033	8.3	1.1	0.18	40.1	<0.001	3	0.26	0.013	0.16	1.5	0.9	0.17	0.96	8	0.8	0.15	0.8	0.53	<0.1
1389348	Drill Core	0.032	4.8	2.5	0.29	48.1	0.005	2	0.36	0.011	0.17	6.2	1.3	0.15	1.79	8	1.7	0.28	1.2	0.55	<0.1
1389349	Drill Core	0.043	4.8	11.6	0.39	53.5	0.007	<1	0.51	0.008	0.25	89.4	2.7	0.17	1.71	14	1.6	0.28	1.7	0.81	<0.1
1389350	Drill Core	0.074	8.1	5.0	0.51	55.3	0.002	1	0.39	0.006	0.18	1.2	3.0	0.10	1.22	15	1.4	0.35	1.5	0.40	<0.1
1389351	Drill Core	0.059	8.1	17.3	0.62	51.9	0.022	1	0.45	0.020	0.24	4.9	4.2	0.18	0.90	13	1.3	0.22	1.8	1.77	<0.1
1389352	Drill Core	0.034	14.1	1.7	0.20	54.9	0.011	<1	0.33	0.025	0.14	15.6	0.9	0.06	0.65	<5	0.7	0.10	1.5	0.37	<0.1
1389353	Drill Core	0.036	11.9	1.3	0.22	66.9	0.009	1	0.33	0.022	0.20	>100	1.1	0.09	0.71	30	0.7	0.11	1.3	0.53	<0.1
1389354	Drill Core	0.035	11.1	4.4	0.30	76.8	0.010	<1	0.32	0.017	0.19	36.5	1.4	0.10	0.76	6	0.8	0.18	1.3	0.65	<0.1
1389355	Drill Core	0.030	10.5	1.4	0.16	54.9	0.010	2	0.27	0.022	0.18	63.2	0.8	0.07	0.78	<5	0.6	0.13	1.1	0.43	<0.1
1389356	Drill Core	0.032	8.5	2.1	0.16	57.7	0.005	1	0.25	0.015	0.22	15.2	0.9	0.10	1.09	6	1.0	0.12	0.9	0.50	<0.1
1389357	Drill Core	0.063	8.4	12.2	0.41	50.8	0.029	1	0.33	0.020	0.24	8.8	2.3	0.16	1.45	14	2.2	2.30	1.4	1.10	<0.1
1389358	Drill Core	0.043	17.3	5.8	0.31	38.2	0.030	1	0.37	0.033	0.24	39.0	1.5	0.17	0.84	<5	0.9	0.10	1.8	1.55	<0.1

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CERTIFICATE OF ANALYSIS VAN11004242.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
1389329	Drill Core	0.10	0.15	14.8	0.4	<0.05	1.5	3.60	10.7	<0.02	367	0.1	5.8	*	<2		
1389330	Drill Core	0.08	0.14	16.4	0.2	<0.05	1.8	7.19	15.2	<0.02	540	0.6	9.7	*	<2		
1389331	Drill Core	0.09	0.14	15.4	0.5	<0.05	2.1	5.68	12.0	<0.02	623	0.3	9.7	*	3	0.117	0.016
1389332	Drill Core	0.08	0.09	9.0	0.3	<0.05	1.3	6.17	16.5	<0.02	359	0.2	6.1	*	<2		
1389333	Drill Core	0.09	0.12	10.7	0.2	<0.05	1.5	5.57	16.1	<0.02	306	0.2	7.8	*	<2		
1389334	Drill Core	0.05	<0.02	10.0	0.2	<0.05	1.1	5.95	11.8	<0.02	428	0.2	4.8	*	2	0.098	0.344
1389335	Drill Core	0.05	<0.02	12.9	0.2	<0.05	1.1	6.40	11.3	<0.02	586	0.7	11.8	*	3		
1389336	Drill Core	0.09	0.09	31.6	0.5	<0.05	1.9	7.28	14.2	<0.02	1031	0.3	15.1	*	2	0.264	0.006
1389337	Drill Core	0.05	0.04	10.3	0.2	<0.05	1.1	5.35	14.5	<0.02	483	0.4	4.8	*	<2		
1389338	Drill Core	0.02	<0.02	8.5	0.1	<0.05	0.8	3.93	10.8	<0.02	360	<0.1	3.3	*	<2		
1389339	Drill Core	0.05	0.03	8.3	<0.1	<0.05	0.9	4.96	13.4	<0.02	526	0.3	1.5	*	<2		
1389340	Rock	<0.02	0.02	0.8	<0.1	<0.05	<0.1	0.93	1.2	<0.02	3	<0.1	0.8	<10	<2		
1389341	Rock Pulp	0.10	0.08	25.5	1.8	<0.05	4.0	9.48	14.6	<0.02	787	0.4	8.9	*	3		
1389342	Drill Core	0.04	0.09	8.2	0.2	<0.05	0.9	4.18	19.5	<0.02	127	0.3	2.8	*	<2		
1389343	Drill Core	0.05	0.11	12.7	0.1	<0.05	1.3	4.94	16.7	<0.02	440	0.3	4.5	*	<2		
1389344	Drill Core	0.07	0.11	12.9	0.3	<0.05	1.4	5.53	10.2	<0.02	662	0.3	12.7	*	3		
1389345	Drill Core	0.03	0.03	14.0	0.3	<0.05	1.0	5.82	11.7	<0.02	1160	0.6	7.5	*	<2	0.298	<0.005
1389346	Drill Core	0.03	<0.02	9.1	0.1	<0.05	0.7	5.72	18.7	<0.02	103	0.4	3.7	*	<2		
1389347	Drill Core	0.02	<0.02	7.8	0.1	<0.05	0.7	4.44	12.6	<0.02	781	0.3	3.2	*	<2		
1389348	Drill Core	0.05	0.10	9.6	0.3	<0.05	1.0	4.29	8.3	<0.02	870	0.4	5.5	*	<2		
1389349	Drill Core	0.08	0.02	16.3	0.3	<0.05	1.5	5.36	8.1	<0.02	1240	0.4	10.4	*	<2	0.302	0.016
1389350	Drill Core	0.06	0.03	11.2	0.3	<0.05	1.1	8.31	13.9	<0.02	698	0.3	7.7	*	<2		
1389351	Drill Core	0.08	0.15	21.8	0.3	<0.05	1.6	6.75	12.7	<0.02	879	0.4	11.6	*	<2		
1389352	Drill Core	0.06	0.16	7.6	0.2	<0.05	1.1	5.31	23.0	<0.02	185	0.3	6.7	*	<2		
1389353	Drill Core	0.05	0.18	12.0	0.2	<0.05	1.3	5.46	20.6	<0.02	249	0.1	5.3	*	<2	0.057	0.021
1389354	Drill Core	0.08	0.13	12.6	0.2	<0.05	1.3	5.54	16.9	<0.02	298	0.1	5.9	*	<2		
1389355	Drill Core	0.06	0.21	10.4	0.3	<0.05	1.4	4.39	17.0	<0.02	159	0.2	3.8	*	<2		
1389356	Drill Core	0.05	0.10	13.1	0.2	<0.05	1.1	3.95	13.9	<0.02	226	0.2	3.7	*	<2		
1389357	Drill Core	0.09	0.21	19.6	0.4	<0.05	1.6	5.87	12.4	<0.02	868	0.2	9.9	*	<2		
1389358	Drill Core	0.10	0.68	22.5	0.3	<0.05	1.9	6.08	27.1	<0.02	215	0.4	11.0	*	<2		

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Project: Stewart
Report Date: October 03, 2011

CERTIFICATE OF ANALYSIS VAN11004242.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389359	Drill Core	4.88	478.1	74.56	37.15	134.9	1978	4.3	5.1	664	2.79	47.7	3.3	94.3	4.3	233.4	3.38	2.80	30.16	10	1.26
1389360	Rock	0.20	3.42	0.44	1.02	13.5	2	1.2	0.5	229	0.37	3.9	0.5	0.5	<0.1	41.4	0.06	<0.02	<0.02	<2	21.99
1389361	Rock Pulp	0.08	342.0	3347	23.84	57.2	1831	30.4	7.8	415	3.01	14.2	0.4	875.4	1.1	35.9	0.40	3.63	0.56	47	0.63
1389362	Drill Core	3.23	908.0	113.7	35.05	61.1	1277	4.7	4.3	667	2.72	14.9	9.6	11.1	11.1	207.4	1.45	1.03	6.23	7	1.23
1389363	Drill Core	3.13	854.8	481.5	91.32	34.0	8564	20.1	26.3	293	14.95	60.6	5.7	257.1	5.9	108.6	1.10	6.37	509.8	6	0.30
1389364	Drill Core	2.58	>2000	99.43	35.73	145.6	1921	22.8	4.9	1904	3.12	4.2	5.2	32.5	6.4	187.4	3.65	1.44	6.96	59	2.50
1389365	Drill Core	5.33	1373	45.70	23.20	28.9	1240	7.7	2.8	1094	1.58	3.3	5.2	7.8	7.4	197.2	0.54	0.44	4.65	21	1.75
1389366	Drill Core	6.48	284.3	32.37	47.55	69.2	515	1.7	1.3	963	1.20	3.9	3.9	2.8	6.0	235.6	1.00	0.28	1.15	5	1.33
1389367	Drill Core	6.64	148.2	36.24	98.84	74.2	4971	1.7	2.0	905	1.37	5.2	3.4	6.7	4.9	237.6	0.80	0.50	21.40	5	1.23
1389368	Drill Core	3.68	64.30	69.52	64.73	33.0	4835	1.3	3.3	744	2.07	14.9	3.7	34.0	5.3	205.3	0.77	0.75	25.69	11	1.37
1389369	Drill Core	4.23	211.3	37.61	14.82	22.0	448	1.7	1.7	867	1.26	9.2	3.5	17.7	4.5	167.7	0.52	0.42	0.94	3	1.35
1389370	Drill Core	6.60	64.28	24.46	16.00	28.5	505	1.4	1.3	792	1.04	7.4	3.6	7.1	4.7	205.1	0.70	0.55	1.32	4	1.39
1389371	Drill Core	6.54	98.02	49.88	20.23	29.5	669	3.0	2.2	668	1.58	19.5	4.6	10.7	6.5	232.7	0.49	0.96	1.63	9	1.26
1389372	Drill Core	6.02	21.37	58.01	31.41	37.9	1665	4.6	2.1	546	1.81	24.5	4.4	77.9	6.5	213.3	0.60	0.94	8.64	3	0.95
1389373	Drill Core	4.78	28.34	34.56	23.01	67.4	377	323.1	31.8	1099	3.87	42.8	1.7	2.7	3.7	1208	0.25	10.73	0.20	64	4.69
1389374	Drill Core	6.35	71.68	37.92	58.35	104.2	1411	3.6	1.5	588	1.16	18.9	4.2	11.5	6.8	194.7	1.09	0.66	2.40	4	0.80
1389375	Drill Core	6.01	16.23	28.54	22.08	26.0	787	2.9	1.8	735	1.29	14.2	2.9	3.4	4.4	211.2	0.65	2.28	5.42	5	1.30
1389376	Drill Core	3.88	48.51	195.8	7.88	12.2	547	13.9	18.0	722	5.14	15.6	2.2	3.5	4.1	189.7	0.19	1.14	2.90	10	1.56
1389377	Drill Core	5.27	40.64	21.06	8.51	12.1	331	1.5	1.2	857	0.94	6.5	2.0	1.0	4.2	267.8	0.25	0.88	0.43	5	1.39
1389378	Drill Core	6.45	28.56	29.56	5.37	21.9	138	1.1	1.4	427	1.20	7.9	2.1	1.5	3.7	182.8	0.32	0.44	0.43	20	1.10
1389379	Drill Core	2.88	6.46	33.47	3.79	26.7	116	1.1	1.9	439	1.52	11.3	1.9	0.5	3.4	155.0	0.26	0.18	0.30	31	0.92
1389380	Rock	0.30	0.55	3.52	1.31	14.5	5	2.2	0.5	234	0.36	2.8	0.5	0.5	<0.1	40.2	0.06	0.03	<0.02	<2	21.62
1389381	Rock Pulp	0.08	953.7	8342	46.33	157.0	3922	36.3	17.6	502	4.15	34.0	0.6	676.9	1.5	44.2	1.31	5.88	1.48	94	0.88
1389382	Drill Core	3.98	44.58	60.46	12.35	21.5	1429	1.1	1.1	1294	1.28	18.4	3.2	16.0	4.7	3451	0.55	17.71	1.08	7	1.88
1389383	Drill Core	4.65	70.54	30.30	13.42	27.7	342	1.4	1.1	1095	1.14	18.3	3.6	6.4	4.5	299.6	0.67	2.70	0.70	6	1.68
1389384	Drill Core	3.38	109.5	41.96	37.68	56.7	2020	1.6	3.0	622	1.51	16.8	3.3	601.1	5.5	286.1	1.58	4.75	17.80	3	0.72
1389385	Drill Core	6.52	199.1	16.51	34.14	33.0	971	0.9	0.5	555	0.70	2.7	4.6	56.5	6.9	268.0	0.91	1.72	2.00	3	0.66
1389386	Drill Core	5.32	42.84	24.38	17.14	16.9	297	1.6	1.1	627	1.03	17.9	3.3	12.5	5.6	428.5	0.39	0.74	0.68	3	0.75
1389387	Drill Core	6.94	37.55	27.72	23.26	38.0	542	2.7	1.4	816	1.22	8.4	2.4	8.6	4.7	331.6	0.92	0.67	1.25	3	0.92
1389388	Drill Core	5.32	170.5	31.04	26.37	29.1	615	1.9	1.3	508	1.18	8.3	2.4	5.7	4.9	355.5	0.64	0.63	1.15	3	0.89

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CERTIFICATE OF ANALYSIS VAN11004242.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389359	Drill Core	0.027	7.2	2.6	0.18	44.4	0.003	1	0.27	0.020	0.21	>100	0.9	0.11	2.20	63	1.8	0.32	1.1	0.54	<0.1
1389360	Rock	0.017	<0.5	0.6	10.83	13.8	<0.001	<1	0.01	0.001	<0.01	0.5	<0.1	<0.02	<0.02	<5	<0.1	0.03	<0.1	0.04	<0.1
1389361	Rock Pulp	0.050	5.1	32.5	0.55	120.6	0.105	5	1.19	0.078	0.10	0.9	3.5	0.07	0.37	82	1.1	0.12	4.2	0.37	<0.1
1389362	Drill Core	0.035	9.0	1.5	0.13	44.0	0.002	2	0.27	0.016	0.21	16.6	0.7	0.10	1.63	10	1.5	0.31	1.0	0.42	<0.1
1389363	Drill Core	0.015	2.3	1.4	0.08	28.2	0.001	1	0.19	0.008	0.16	39.8	0.3	0.08	7.97	15	13.3	19.69	0.7	0.27	<0.1
1389364	Drill Core	0.068	8.0	18.3	0.53	55.1	0.026	2	0.46	0.014	0.38	2.1	2.9	0.28	1.76	28	2.2	0.40	2.2	2.14	<0.1
1389365	Drill Core	0.039	10.3	6.8	0.32	42.6	0.009	1	0.30	0.014	0.24	35.1	1.6	0.16	0.84	24	0.9	0.32	1.5	1.05	<0.1
1389366	Drill Core	0.027	7.7	1.4	0.16	57.2	0.001	1	0.32	0.012	0.21	3.6	0.9	0.08	0.49	<5	0.5	0.08	1.1	0.31	<0.1
1389367	Drill Core	0.028	7.0	1.3	0.17	106.2	0.002	2	0.28	0.014	0.19	1.6	0.7	0.08	0.63	<5	0.5	1.04	1.1	0.37	<0.1
1389368	Drill Core	0.032	11.8	1.3	0.17	40.0	0.002	2	0.52	0.023	0.17	86.9	0.9	0.08	0.95	25	1.0	1.54	1.8	0.32	<0.1
1389369	Drill Core	0.031	5.8	1.0	0.14	95.8	<0.001	2	0.33	0.016	0.18	3.9	0.7	0.07	0.58	5	0.4	0.06	1.1	0.27	<0.1
1389370	Drill Core	0.028	7.4	1.0	0.13	50.2	0.001	3	0.24	0.019	0.18	27.3	0.7	0.08	0.42	12	0.3	0.05	0.8	0.37	<0.1
1389371	Drill Core	0.027	9.2	0.9	0.12	48.7	0.002	1	0.23	0.022	0.18	>100	0.7	0.07	0.80	31	0.7	0.10	1.0	0.34	<0.1
1389372	Drill Core	0.025	4.6	1.2	0.22	72.8	<0.001	3	0.23	0.016	0.21	>100	0.6	0.08	0.90	*	0.6	0.20	0.7	0.36	<0.1
1389373	Drill Core	0.166	16.1	116.8	4.77	622.2	0.121	2	2.04	0.016	0.58	0.8	9.0	0.33	0.18	<5	0.2	0.03	5.3	4.29	<0.1
1389374	Drill Core	0.023	5.8	1.8	0.16	52.7	0.001	1	0.20	0.014	0.20	20.2	0.6	0.07	0.57	5	0.4	0.13	0.7	0.30	<0.1
1389375	Drill Core	0.029	8.1	1.6	0.17	38.1	0.003	1	0.22	0.020	0.18	>100	0.6	0.09	0.70	*	0.4	0.17	0.9	0.41	<0.1
1389376	Drill Core	0.029	11.2	1.6	0.20	32.1	0.007	1	0.24	0.030	0.18	18.4	0.9	0.10	3.27	7	3.9	0.36	1.2	0.71	<0.1
1389377	Drill Core	0.032	8.5	1.3	0.16	36.9	0.002	2	0.18	0.021	0.16	2.0	0.7	0.06	0.37	<5	0.3	0.05	0.8	0.34	<0.1
1389378	Drill Core	0.041	10.5	1.4	0.12	34.8	0.025	1	0.24	0.059	0.14	7.9	0.5	0.05	0.46	5	0.4	0.03	1.2	0.46	<0.1
1389379	Drill Core	0.044	8.5	1.3	0.13	45.0	0.047	<1	0.30	0.093	0.10	9.5	0.5	0.02	0.63	<5	0.5	0.05	1.6	0.38	<0.1
1389380	Rock	0.018	<0.5	<0.5	10.28	13.3	<0.001	<1	0.02	0.002	0.01	0.3	0.2	<0.02	<0.02	<5	<0.1	<0.02	<0.1	0.08	<0.1
1389381	Rock Pulp	0.080	7.5	58.5	1.00	70.5	0.133	3	1.64	0.103	0.52	14.3	7.2	0.41	1.87	120	4.5	0.57	5.8	2.08	0.1
1389382	Drill Core	0.034	6.8	1.2	0.28	47.7	0.004	<1	0.23	0.028	0.18	52.9	0.7	0.09	0.34	14	0.2	0.23	1.0	0.56	<0.1
1389383	Drill Core	0.037	7.2	1.1	0.19	35.8	0.002	1	0.23	0.028	0.20	>100	0.8	0.08	0.51	36	0.3	0.14	0.9	0.42	<0.1
1389384	Drill Core	0.019	4.8	1.3	0.11	39.6	0.001	1	0.16	0.010	0.17	91.7	0.4	0.07	1.05	19	0.6	1.87	0.6	0.27	<0.1
1389385	Drill Core	0.018	6.4	1.3	0.10	63.1	<0.001	2	0.17	0.012	0.21	64.0	0.5	0.07	0.26	20	0.1	0.10	0.6	0.26	<0.1
1389386	Drill Core	0.022	6.7	3.0	0.09	61.4	0.001	<1	0.17	0.013	0.21	72.4	0.6	0.08	0.54	33	0.2	0.15	0.6	0.25	<0.1
1389387	Drill Core	0.019	5.6	2.9	0.13	58.3	<0.001	2	0.18	0.013	0.21	93.6	0.6	0.07	0.60	22	0.2	0.07	0.7	0.26	<0.1
1389388	Drill Core	0.024	5.1	2.8	0.08	87.2	0.001	<1	0.24	0.016	0.25	97.9	0.6	0.10	0.60	23	0.3	0.08	0.9	0.32	<0.1

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	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
1389359	Drill Core	0.05	0.08	14.2	0.3	<0.05	1.1	3.90	11.8	<0.02	258	0.2	4.1	*	<2	0.056	0.113
1389360	Rock	<0.02	<0.02	0.3	<0.1	<0.05	<0.1	0.61	0.7	<0.02	2	<0.1	0.5	<10	<2		
1389361	Rock Pulp	0.21	0.11	4.1	2.0	<0.05	7.2	7.20	10.4	<0.02	299	0.2	9.0	*	2		
1389362	Drill Core	0.09	0.08	13.4	0.3	<0.05	2.1	4.06	14.4	<0.02	463	0.2	3.3	*	<2		
1389363	Drill Core	0.06	0.05	9.7	0.3	<0.05	1.0	1.39	4.1	<0.02	443	0.2	2.4	*	<2		
1389364	Drill Core	0.08	0.20	34.7	0.6	<0.05	2.0	9.41	12.4	<0.02	1418	0.3	13.1	*	<2	0.349	<0.005
1389365	Drill Core	0.09	0.18	20.6	0.3	<0.05	1.8	5.26	15.8	<0.02	791	0.4	8.1	*	<2		
1389366	Drill Core	0.06	<0.02	11.3	0.2	<0.05	1.0	4.47	12.8	<0.02	154	0.2	3.7	*	<2		
1389367	Drill Core	0.03	0.03	10.8	0.2	<0.05	0.8	4.73	11.7	<0.02	68	0.2	3.5	53	<2		
1389368	Drill Core	0.04	0.03	8.1	0.2	<0.05	0.7	5.17	19.9	0.03	36	0.3	7.8	<10	<2		
1389369	Drill Core	0.04	<0.02	8.5	0.1	<0.05	0.6	4.08	10.0	<0.02	110	0.4	4.0	*	<2		
1389370	Drill Core	0.03	0.02	9.2	0.1	<0.05	0.7	3.74	11.8	<0.02	32	0.2	2.7	<10	<2		
1389371	Drill Core	0.04	0.07	8.7	0.2	<0.05	0.9	4.05	14.1	<0.02	59	0.2	2.8	12	<2	0.011	0.022
1389372	Drill Core	0.05	<0.02	9.6	0.1	<0.05	0.8	3.04	7.7	<0.02	12	0.2	1.9	<10	<2	0.002	0.036
1389373	Drill Core	0.19	0.04	29.3	0.3	<0.05	5.4	7.65	32.3	0.03	14	2.1	85.4	<10	<2		
1389374	Drill Core	0.04	<0.02	9.0	0.1	<0.05	1.0	2.65	8.9	<0.02	41	<0.1	2.2	<10	<2		
1389375	Drill Core	0.03	0.02	11.1	0.2	<0.05	0.8	4.09	13.8	<0.02	14	0.2	3.7	<10	<2	0.002	0.145
1389376	Drill Core	0.06	0.24	13.4	0.2	<0.05	1.0	5.09	19.4	<0.02	22	0.1	5.5	<10	<2		
1389377	Drill Core	0.03	0.03	9.1	0.2	<0.05	0.6	4.19	13.5	<0.02	30	0.3	2.6	<10	<2		
1389378	Drill Core	0.08	0.61	7.9	0.3	<0.05	1.3	5.03	19.2	<0.02	12	0.3	4.1	<10	<2		
1389379	Drill Core	0.10	1.02	4.0	0.4	<0.05	1.9	5.32	18.1	<0.02	5	0.5	4.0	<10	<2		
1389380	Rock	<0.02	0.03	0.5	<0.1	<0.05	<0.1	0.71	0.9	<0.02	1	<0.1	0.7	<10	<2		
1389381	Rock Pulp	0.12	0.08	26.9	1.6	<0.05	4.2	9.90	14.9	<0.02	810	0.3	9.2	*	<2		
1389382	Drill Core	0.05	0.12	11.9	0.2	<0.05	0.8	6.38	14.1	<0.02	32	0.2	4.3	<10	<2		
1389383	Drill Core	0.03	0.05	11.1	0.2	<0.05	0.8	5.38	13.7	<0.02	49	0.2	3.2	<10	<2	0.008	0.018
1389384	Drill Core	0.03	0.04	9.0	0.2	<0.05	0.7	2.95	7.8	<0.02	91	0.1	2.2	<10	<2		
1389385	Drill Core	0.03	0.02	9.3	0.2	<0.05	0.7	2.47	10.5	<0.02	147	0.1	1.2	18	<2		
1389386	Drill Core	0.03	0.03	9.6	0.1	<0.05	0.8	2.80	10.2	<0.02	27	<0.1	1.6	<10	<2		
1389387	Drill Core	<0.02	<0.02	9.3	0.2	<0.05	0.5	3.22	8.2	<0.02	27	<0.1	1.4	<10	<2		
1389388	Drill Core	0.03	0.02	12.1	0.2	<0.05	0.7	2.42	8.0	<0.02	78	0.1	2.4	19	<2		

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Project: Stewart
Report Date: October 03, 2011

CERTIFICATE OF ANALYSIS VAN11004242.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389389	Drill Core	4.43	57.25	57.35	58.50	100.1	1224	1.8	1.8	870	1.15	6.2	2.3	7.8	4.2	309.2	1.33	0.70	2.77	2	1.20
1389390	Drill Core	4.32	35.15	51.24	17.86	33.5	486	2.2	2.1	598	1.28	7.5	1.7	4.4	3.4	255.8	0.73	0.67	0.58	<2	1.01
1389391	Drill Core	4.40	579.7	46.49	48.13	52.6	1782	1.9	1.5	442	1.39	14.8	2.6	21.2	4.3	184.6	0.71	1.70	4.70	3	0.71
1389392	Drill Core	4.65	27.17	22.89	13.48	34.0	250	1.2	1.4	512	1.11	4.9	2.9	4.9	4.2	225.2	0.62	0.42	0.57	11	1.06
1389393	Drill Core	4.59	178.6	28.25	24.22	36.3	439	2.1	1.4	756	1.06	7.7	3.2	6.7	4.8	363.6	0.58	0.49	0.98	3	1.20
1389394	Drill Core	6.04	14.63	12.99	21.31	36.7	265	1.4	0.8	778	0.72	8.5	2.0	2.1	3.6	256.2	0.49	0.28	0.54	2	1.14
1389395	Drill Core	5.23	64.23	23.55	16.06	13.0	551	1.4	0.9	472	0.87	19.9	1.8	6.2	3.7	244.9	0.17	0.46	1.09	4	1.11
1389396	Drill Core	4.03	53.69	33.25	15.08	20.9	729	1.1	2.2	401	1.32	33.4	2.7	34.4	5.0	247.0	0.28	0.48	1.92	9	0.99
1389397	Drill Core	3.38	48.87	18.54	12.98	27.6	255	1.2	1.1	523	0.96	8.3	1.7	10.5	3.7	430.7	0.56	0.32	0.58	4	1.33
1389398	Drill Core	4.57	324.5	36.20	44.45	167.2	1084	1.1	1.1	427	1.03	12.1	3.4	11.9	5.4	245.9	4.77	0.45	2.74	3	0.91
1389399	Drill Core	2.86	84.71	45.25	16.36	24.2	456	2.1	3.8	574	1.54	9.9	2.5	8.1	4.0	272.4	0.36	1.06	0.74	2	1.38
1389400	Rock	0.37	0.81	0.88	1.29	20.1	2	2.4	0.6	224	0.39	2.8	0.6	0.3	<0.1	47.1	0.10	<0.02	<0.02	<2	21.99
1389401	Rock Pulp	0.08	340.3	3278	23.83	55.5	1780	30.2	7.6	413	3.01	13.3	0.4	774.3	1.2	33.4	0.41	3.01	0.57	45	0.53
1389402	Drill Core	5.60	96.98	14.10	16.23	20.8	384	0.8	0.7	406	0.73	4.9	3.2	5.3	5.1	242.0	0.34	0.31	1.14	6	0.94
1389403	Drill Core	5.93	347.2	24.45	22.94	442.8	681	1.0	0.9	500	0.72	17.3	2.4	20.2	4.3	241.9	14.07	0.26	2.44	3	1.32
1389404	Drill Core	5.84	620.2	13.82	19.68	20.2	618	1.0	1.0	570	0.67	3.6	1.9	6.9	3.5	314.5	0.19	0.23	2.44	3	1.24
1389405	Drill Core	5.81	179.8	11.15	18.75	25.6	346	0.8	0.5	515	0.54	2.3	1.2	3.5	3.1	228.5	0.41	0.16	0.90	3	1.12
1389406	Drill Core	4.59	451.5	6.44	18.82	16.5	399	0.8	0.4	581	0.57	5.8	1.8	6.2	3.7	240.7	0.23	0.14	1.07	3	1.08
1389407	Drill Core	4.48	181.4	23.42	13.99	123.6	291	1.2	0.9	489	0.83	12.6	2.0	10.5	3.8	214.6	3.49	0.23	0.63	4	1.11
1389408	Drill Core	4.83	617.9	26.68	15.03	28.2	490	1.5	1.1	640	0.93	6.8	1.9	9.8	3.7	277.4	0.69	0.30	1.26	5	1.12
1389409	Drill Core	4.07	443.5	45.42	51.02	60.1	4856	1.3	1.5	538	1.30	8.2	2.5	36.7	3.8	290.4	1.76	1.68	53.41	6	0.92
1389410	Drill Core	5.69	608.8	16.82	35.25	11.8	1911	0.6	0.5	317	0.77	2.4	1.7	4.8	4.5	264.6	0.32	0.31	6.53	3	0.42
1389411	Drill Core	2.78	83.35	21.70	10.07	15.4	239	1.0	0.9	293	0.92	9.1	3.7	13.0	4.9	222.0	0.27	0.24	0.69	7	0.62
1389412	Drill Core	5.36	86.62	19.86	20.54	110.0	1287	0.8	1.7	73	1.67	82.7	1.6	314.5	4.5	181.9	3.19	0.14	2.99	<2	0.14
1389413	Drill Core	4.69	202.2	16.60	11.49	68.7	259	1.1	0.5	169	0.72	7.8	2.0	6.2	4.0	184.1	1.64	0.15	0.66	2	0.39
1389414	Drill Core	4.83	1401	26.01	24.22	90.2	977	0.6	2.5	169	0.94	33.8	2.3	30.1	5.3	196.7	1.84	0.24	3.49	3	0.42
1389415	Drill Core	4.75	>2000	80.76	128.0	293.1	3117	3.1	5.8	415	2.44	20.2	2.3	34.5	4.4	369.6	1.96	0.88	9.42	5	1.30
1389416	Drill Core	1.69	173.0	50.56	105.9	139.5	3937	1.3	3.3	506	1.72	11.6	2.2	11.7	4.9	249.2	0.80	0.55	11.55	6	1.51
1389417	Drill Core	6.32	121.0	43.36	7.74	21.6	133	1.3	3.6	337	1.39	11.6	2.8	2.0	5.1	175.7	0.10	0.18	3.20	14	1.07
1389418	Drill Core	8.44	17.90	27.61	42.44	166.1	232	0.9	1.2	476	1.08	3.4	2.0	2.0	4.0	193.0	1.01	0.14	0.49	16	1.19

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CERTIFICATE OF ANALYSIS VAN11004242.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389389	Drill Core	0.025	6.0	2.1	0.12	86.1	<0.001	<1	0.19	0.020	0.21	2.8	0.7	0.09	0.59	<5	0.3	0.18	0.7	0.31	<0.1
1389390	Drill Core	0.024	4.2	3.3	0.08	65.3	<0.001	1	0.18	0.015	0.21	>100	0.6	0.08	0.68	*	0.6	0.05	0.7	0.29	<0.1
1389391	Drill Core	0.023	5.2	2.0	0.08	70.5	<0.001	3	0.18	0.011	0.21	4.9	0.5	0.10	0.90	<5	0.6	0.31	0.7	0.32	<0.1
1389392	Drill Core	0.026	8.6	2.6	0.10	54.0	0.010	2	0.24	0.045	0.15	1.5	0.7	0.05	0.42	<5	0.2	0.07	1.1	0.36	<0.1
1389393	Drill Core	0.024	5.6	2.2	0.10	125.0	0.001	2	0.19	0.022	0.18	11.1	0.6	0.07	0.50	<5	0.3	0.07	0.8	0.29	<0.1
1389394	Drill Core	0.023	7.1	2.6	0.12	70.4	<0.001	2	0.20	0.022	0.21	0.7	0.6	0.08	0.21	7	<0.1	0.08	0.8	0.30	<0.1
1389395	Drill Core	0.028	6.7	2.1	0.11	50.4	0.003	1	0.19	0.028	0.16	2.0	0.6	0.06	0.37	6	0.1	0.09	0.9	0.31	<0.1
1389396	Drill Core	0.029	8.3	2.2	0.12	58.5	0.006	1	0.28	0.038	0.18	41.8	0.7	0.08	0.68	11	0.4	0.09	1.2	0.38	<0.1
1389397	Drill Core	0.028	8.1	2.6	0.13	116.7	0.002	1	0.24	0.033	0.17	4.0	0.7	0.07	0.37	<5	0.3	0.05	1.1	0.39	<0.1
1389398	Drill Core	0.023	4.9	2.5	0.07	50.8	<0.001	2	0.24	0.019	0.20	1.9	0.4	0.09	0.59	6	0.4	0.12	0.9	0.30	<0.1
1389399	Drill Core	0.028	7.0	2.0	0.10	53.9	<0.001	2	0.25	0.025	0.18	5.5	0.5	0.11	0.95	<5	0.9	0.09	1.1	0.50	<0.1
1389400	Rock	0.019	0.6	0.8	10.64	15.1	0.001	<1	0.04	0.001	0.02	0.2	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.1	0.19	<0.1
1389401	Rock Pulp	0.051	5.1	31.9	0.54	115.1	0.094	3	1.17	0.082	0.10	1.1	3.4	0.07	0.37	88	1.0	0.19	4.1	0.35	<0.1
1389402	Drill Core	0.022	7.7	2.2	0.07	55.0	0.002	2	0.21	0.029	0.18	48.6	0.5	0.05	0.29	20	0.2	0.07	0.9	0.38	<0.1
1389403	Drill Core	0.020	6.0	3.0	0.07	55.0	<0.001	2	0.22	0.022	0.18	>100	0.4	0.08	0.39	112	0.2	0.10	0.9	0.30	<0.1
1389404	Drill Core	0.025	6.6	1.6	0.10	108.0	<0.001	2	0.20	0.022	0.16	43.3	0.6	0.08	0.37	32	0.3	0.17	0.8	0.31	<0.1
1389405	Drill Core	0.023	5.9	2.6	0.07	64.5	0.001	<1	0.20	0.018	0.21	0.8	0.5	0.08	0.20	9	0.2	0.06	0.8	0.30	<0.1
1389406	Drill Core	0.022	6.2	2.0	0.09	65.8	<0.001	2	0.18	0.017	0.17	3.7	0.5	0.07	0.21	10	0.2	0.09	0.7	0.30	<0.1
1389407	Drill Core	0.031	8.1	2.9	0.10	57.4	0.001	1	0.24	0.019	0.20	>100	0.6	0.08	0.44	98	0.3	0.08	1.1	0.33	<0.1
1389408	Drill Core	0.029	10.1	2.0	0.12	63.6	0.001	<1	0.26	0.021	0.18	19.1	0.7	0.08	0.48	12	0.5	0.07	1.1	0.31	<0.1
1389409	Drill Core	0.029	9.4	2.9	0.12	74.9	0.002	<1	0.30	0.020	0.18	6.7	0.7	0.08	0.62	9	0.6	1.32	1.2	0.30	<0.1
1389410	Drill Core	0.026	8.3	2.6	0.06	67.3	0.001	2	0.18	0.013	0.18	0.5	0.4	0.07	0.35	8	0.3	0.13	0.7	0.20	<0.1
1389411	Drill Core	0.025	9.7	2.8	0.07	52.4	0.007	1	0.25	0.027	0.16	3.0	0.5	0.06	0.39	8	0.3	0.07	1.0	0.30	<0.1
1389412	Drill Core	0.024	6.2	2.8	0.02	63.4	0.001	2	0.17	0.010	0.20	0.7	<0.1	0.07	1.55	<5	0.8	0.12	0.6	0.21	<0.1
1389413	Drill Core	0.029	7.2	3.6	0.02	59.6	0.001	2	0.18	0.013	0.17	0.3	0.2	0.06	0.33	10	0.2	0.07	0.7	0.18	<0.1
1389414	Drill Core	0.026	5.7	3.2	0.03	70.8	<0.001	1	0.20	0.012	0.17	0.7	0.2	0.07	0.66	8	0.4	0.18	0.7	0.21	<0.1
1389415	Drill Core	0.031	5.8	2.5	0.08	48.2	<0.001	2	0.40	0.015	0.17	4.6	0.3	0.10	1.89	34	2.2	0.40	1.4	0.36	<0.1
1389416	Drill Core	0.045	14.2	1.6	0.13	91.0	0.002	2	0.41	0.020	0.15	0.3	0.8	0.08	0.95	<5	1.1	0.22	1.6	0.47	<0.1
1389417	Drill Core	0.028	13.4	3.0	0.11	69.3	0.018	1	0.34	0.042	0.14	10.3	0.6	0.05	0.65	13	0.8	0.10	1.3	0.39	<0.1
1389418	Drill Core	0.032	11.8	2.9	0.13	47.3	0.020	<1	0.30	0.050	0.09	1.5	0.7	0.03	0.34	6	0.3	0.07	1.4	0.52	<0.1

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CERTIFICATE OF ANALYSIS VAN11004242.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
1389389	Drill Core	0.03	<0.02	9.9	0.1	<0.05	0.5	3.64	9.6	<0.02	32	0.1	2.0	<10	<2		
1389390	Drill Core	0.03	<0.02	9.9	0.1	<0.05	0.4	2.58	7.0	<0.02	20	0.1	1.9	<10	<2	0.004	0.064
1389391	Drill Core	<0.02	<0.02	10.0	0.1	<0.05	0.5	1.96	8.5	<0.02	336	0.1	2.5	*	<2		
1389392	Drill Core	0.05	0.21	6.8	0.2	<0.05	0.9	3.80	14.2	<0.02	10	0.2	2.4	<10	<2		
1389393	Drill Core	0.03	0.02	9.3	<0.1	<0.05	0.7	3.36	9.0	<0.02	72	0.1	2.4	14	<2		
1389394	Drill Core	0.04	<0.02	9.5	<0.1	<0.05	0.4	3.15	10.8	<0.02	12	0.1	2.4	<10	<2		
1389395	Drill Core	0.03	0.10	7.5	0.2	<0.05	0.5	3.12	11.1	<0.02	31	0.3	2.0	<10	<2		
1389396	Drill Core	0.04	0.13	8.5	0.2	<0.05	0.8	3.79	14.5	<0.02	30	0.5	3.0	<10	<2		
1389397	Drill Core	0.02	0.04	8.7	0.1	<0.05	0.4	3.65	13.7	<0.02	37	0.2	3.0	<10	<2		
1389398	Drill Core	0.02	0.02	10.1	0.2	<0.05	0.5	2.45	8.0	<0.02	199	0.1	2.8	*	<2		
1389399	Drill Core	0.02	<0.02	10.1	0.1	<0.05	0.5	3.84	11.2	<0.02	47	<0.1	3.7	<10	<2		
1389400	Rock	<0.02	0.03	1.2	<0.1	<0.05	<0.1	0.77	1.2	<0.02	<1	<0.1	0.9	<10	<2		
1389401	Rock Pulp	0.22	0.08	3.9	2.0	<0.05	6.5	6.82	10.2	<0.02	294	0.2	8.4	*	<2		
1389402	Drill Core	0.04	0.07	8.0	0.1	<0.05	0.7	3.23	12.9	<0.02	79	0.2	2.2	<10	<2		
1389403	Drill Core	0.02	0.02	9.2	0.1	<0.05	0.5	3.37	9.6	0.04	244	0.1	2.4	18	<2	0.034	0.040
1389404	Drill Core	0.02	<0.02	9.0	<0.1	<0.05	0.5	3.18	10.8	<0.02	367	0.1	2.6	69	<2		
1389405	Drill Core	<0.02	<0.02	10.2	0.1	<0.05	0.4	2.36	9.8	<0.02	87	<0.1	2.4	*	<2		
1389406	Drill Core	<0.02	<0.02	8.9	0.1	<0.05	0.4	2.91	9.9	<0.02	275	<0.1	1.8	42	<2		
1389407	Drill Core	0.03	<0.02	11.1	0.2	<0.05	0.4	2.99	13.5	<0.02	100	0.2	3.1	17	<2	0.017	0.038
1389408	Drill Core	0.04	0.02	10.0	0.1	<0.05	0.7	3.39	15.1	<0.02	294	0.4	4.2	56	<2		
1389409	Drill Core	0.04	0.04	9.5	0.1	<0.05	0.6	3.19	14.7	<0.02	213	0.2	5.0	40	<2		
1389410	Drill Core	0.03	<0.02	7.9	0.1	<0.05	0.5	2.12	13.4	<0.02	251	0.1	1.8	77	<2		
1389411	Drill Core	0.06	0.16	6.8	0.2	<0.05	0.7	3.33	15.9	<0.02	39	<0.1	2.7	<10	<2		
1389412	Drill Core	0.03	0.03	9.0	0.2	<0.05	0.5	1.24	10.9	<0.02	40	0.2	1.2	*	<2		
1389413	Drill Core	0.02	<0.02	7.2	0.2	<0.05	0.4	2.08	12.4	<0.02	74	0.1	1.8	*	<2		
1389414	Drill Core	0.02	<0.02	7.7	0.2	<0.05	0.4	1.99	9.9	<0.02	537	0.1	2.1	*	<2		
1389415	Drill Core	0.04	0.03	8.0	0.1	<0.05	0.6	3.24	9.7	<0.02	1653	0.2	6.3	*	<2	0.364	<0.005
1389416	Drill Core	0.04	0.03	8.4	<0.1	<0.05	0.6	7.38	26.6	<0.02	98	0.2	6.8	16	<2		
1389417	Drill Core	0.07	0.34	6.8	0.2	<0.05	1.0	4.54	21.4	<0.02	64	0.2	4.4	*	<2		
1389418	Drill Core	0.06	0.36	3.5	0.3	<0.05	0.9	5.17	19.8	<0.02	6	0.5	4.1	*	<2		

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Project: Stewart
Report Date: October 03, 2011

CERTIFICATE OF ANALYSIS VAN11004242.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389419	Drill Core	3.94	26.23	21.87	7.08	25.4	88	1.0	1.2	499	1.19	4.4	3.6	2.9	6.4	195.3	0.13	0.22	0.54	17	1.21
1389420	Rock	0.27	0.56	16.17	0.82	12.5	21	3.0	1.1	253	0.43	6.4	0.5	<0.2	0.1	42.2	0.09	0.02	0.06	<2	22.52
1389421	Rock Pulp	0.08	924.4	8585	44.91	152.6	3934	35.0	18.0	493	4.12	33.4	0.6	667.2	1.5	43.2	1.26	5.95	1.47	90	0.88
1389422	Drill Core	3.87	119.4	34.01	19.87	37.3	222	0.7	1.5	464	1.13	9.8	2.5	4.5	4.2	229.4	0.18	0.41	1.40	7	1.73
1389423	Drill Core	2.33	143.5	48.42	32.76	33.5	484	1.1	2.7	471	1.04	11.1	2.0	8.0	4.2	289.6	0.19	0.45	0.90	3	2.14
1389424	Drill Core	7.00	2.47	43.03	4.04	59.2	47	10.6	20.5	925	4.36	1.7	1.2	1.0	4.3	1010	0.10	0.27	0.16	76	4.80
1389425	Drill Core	5.94	2.05	37.86	10.77	57.4	177	9.6	19.7	973	4.05	2.7	1.3	1.6	4.3	885.1	0.12	0.39	0.18	61	4.72
1389426	Drill Core	4.60	23.80	40.09	7.87	21.2	104	1.1	1.8	432	1.35	7.8	3.3	3.2	5.2	184.9	0.11	0.23	0.86	15	1.19
1389427	Drill Core	6.50	41.11	28.71	4.33	18.1	118	1.1	1.2	437	1.17	6.7	2.6	45.2	4.9	171.7	0.13	0.40	1.49	19	1.09
1389428	Drill Core	8.46	23.44	11.89	1.85	11.4	34	0.6	0.7	256	0.76	0.2	2.4	0.7	3.9	67.0	0.08	<0.02	0.16	19	0.41
1389429	Drill Core	8.75	11.71	14.47	2.28	29.0	36	0.7	0.9	266	0.90	0.3	4.6	1.2	5.5	69.9	0.36	0.02	0.18	17	0.49
1389430	Drill Core	4.51	15.67	15.55	2.30	49.4	41	0.6	0.7	257	0.82	0.4	3.7	0.8	4.9	60.0	0.94	<0.02	0.37	17	0.42
1389431	Drill Core	4.42	34.21	38.67	3.62	33.2	117	0.9	2.5	335	1.55	0.4	3.2	1.3	4.5	85.4	0.55	0.04	1.95	25	0.65
1389432	Drill Core	8.41	22.04	38.23	19.08	21.3	1197	1.0	1.8	360	1.51	0.8	3.1	220.1	4.9	112.9	0.36	0.52	75.59	15	0.76
1389433	Drill Core	5.88	23.08	20.33	4.56	40.5	82	0.8	1.2	488	1.09	6.1	3.0	14.9	4.5	154.7	0.61	0.20	3.65	20	0.97
1389434	Drill Core	2.41	55.41	55.91	7.79	25.2	267	0.9	2.3	431	1.71	60.2	2.4	30.4	3.7	189.5	0.41	0.80	1.47	6	1.09
1389435	Drill Core	8.83	21.99	10.65	6.40	35.8	45	0.8	1.1	633	1.08	2.0	3.0	2.5	5.3	253.2	0.23	0.16	0.08	18	1.28
1389436	Drill Core	8.44	29.87	7.42	4.54	27.4	63	0.8	1.1	548	0.97	0.7	2.9	<0.2	4.6	186.3	0.17	0.09	0.05	22	1.07

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Project: Stewart
Report Date: October 03, 2011

CERTIFICATE OF ANALYSIS VAN11004242.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389419	Drill Core	0.029	14.3	3.3	0.15	50.4	0.017	1	0.33	0.053	0.09	0.7	0.9	0.03	0.32	*	0.4	0.06	1.7	0.80	<0.1
1389420	Rock	0.018	0.7	<0.5	12.55	22.1	0.001	<1	0.03	0.002	0.03	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.1	0.26	<0.1
1389421	Rock Pulp	0.083	7.1	60.7	0.99	62.6	0.125	4	1.60	0.096	0.51	13.6	7.1	0.40	1.84	134	4.6	0.57	5.2	2.08	<0.1
1389422	Drill Core	0.026	11.6	2.1	0.13	50.0	0.002	1	0.34	0.037	0.14	18.0	0.9	0.06	0.42	11	0.4	0.04	1.4	1.22	<0.1
1389423	Drill Core	0.029	9.5	1.8	0.11	100.1	<0.001	<1	0.38	0.029	0.17	64.8	0.6	0.07	0.46	29	0.5	0.08	1.4	1.80	<0.1
1389424	Drill Core	0.346	39.7	6.2	2.08	959.6	0.019	2	2.19	0.031	0.29	<0.1	5.8	0.10	0.09	<5	<0.1	<0.02	6.7	4.01	<0.1
1389425	Drill Core	0.320	36.9	5.7	1.83	527.9	0.010	2	1.77	0.038	0.30	0.1	6.4	0.13	0.18	*	<0.1	0.03	4.9	5.51	<0.1
1389426	Drill Core	0.033	13.2	2.4	0.18	45.3	0.017	2	0.29	0.052	0.10	0.8	0.7	0.03	0.62	5	0.6	0.06	1.2	0.72	<0.1
1389427	Drill Core	0.038	14.8	3.5	0.14	47.2	0.030	<1	0.31	0.061	0.11	1.3	0.8	0.04	0.44	<5	0.6	0.06	1.4	0.56	<0.1
1389428	Drill Core	0.026	10.4	2.8	0.06	33.4	0.033	<1	0.19	0.060	0.07	3.1	0.2	<0.02	0.20	10	0.2	<0.02	0.9	0.11	<0.1
1389429	Drill Core	0.029	12.0	3.4	0.06	34.8	0.037	<1	0.22	0.064	0.08	2.2	0.3	<0.02	0.25	<5	0.1	<0.02	1.2	0.15	<0.1
1389430	Drill Core	0.024	10.3	2.8	0.06	33.2	0.036	<1	0.19	0.051	0.08	11.2	0.2	<0.02	0.24	9	0.2	0.02	1.1	0.11	<0.1
1389431	Drill Core	0.025	12.0	3.6	0.09	43.9	0.034	<1	0.26	0.052	0.11	70.0	0.4	0.03	0.65	39	0.9	0.11	1.3	0.28	<0.1
1389432	Drill Core	0.025	12.0	4.2	0.10	41.8	0.023	<1	0.29	0.053	0.12	26.1	0.5	0.04	0.73	15	1.0	3.82	1.3	0.37	<0.1
1389433	Drill Core	0.029	12.7	3.2	0.12	44.7	0.024	<1	0.34	0.055	0.11	7.6	0.7	0.03	0.33	6	0.5	0.17	1.6	0.34	<0.1
1389434	Drill Core	0.020	7.4	2.6	0.10	56.2	0.001	2	0.40	0.024	0.15	67.8	0.5	0.06	0.91	25	0.9	0.14	1.5	0.66	<0.1
1389435	Drill Core	0.025	15.0	2.3	0.14	88.0	0.015	<1	0.40	0.049	0.11	0.9	0.7	<0.02	0.22	<5	0.1	<0.02	2.2	0.51	<0.1
1389436	Drill Core	0.023	14.7	2.7	0.13	90.2	0.023	<1	0.33	0.052	0.09	0.3	0.6	<0.02	0.18	6	0.1	<0.02	1.9	0.37	<0.1

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Project: Stewart
Report Date: October 03, 2011

CERTIFICATE OF ANALYSIS VAN11004242.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
1389419	Drill Core	0.07	0.27	3.6	0.3	<0.05	1.1	5.88	23.8	<0.02	17	0.7	5.1	<10	<2		
1389420	Rock	<0.02	0.06	1.2	<0.1	<0.05	<0.1	0.79	1.5	<0.02	<1	<0.1	0.8	<10	<2		
1389421	Rock Pulp	0.14	0.07	26.7	1.6	<0.05	3.9	9.72	14.6	<0.02	853	0.4	9.3	*	3		
1389422	Drill Core	0.02	0.05	6.5	<0.1	<0.05	0.3	6.33	19.7	<0.02	60	0.4	4.6	16	<2		
1389423	Drill Core	<0.02	<0.02	7.9	<0.1	<0.05	0.2	6.16	17.4	<0.02	77	1.0	5.2	14	<2		
1389424	Drill Core	0.08	0.05	16.2	0.4	<0.05	3.0	12.73	74.6	0.03	<1	0.9	72.6	*	<2		
1389425	Drill Core	0.08	0.06	15.7	0.4	<0.05	3.2	12.01	72.1	0.04	2	1.3	48.9	*	<2		
1389426	Drill Core	0.04	0.40	4.2	0.3	<0.05	1.0	5.36	22.0	<0.02	13	0.3	3.1	<10	<2		
1389427	Drill Core	0.08	0.58	4.6	0.3	<0.05	1.2	5.49	25.0	<0.02	21	0.1	4.2	<10	<2		
1389428	Drill Core	0.09	0.82	1.8	0.3	<0.05	1.2	2.99	15.6	<0.02	13	0.2	2.9	<10	<2		
1389429	Drill Core	0.09	1.03	2.6	0.3	<0.05	1.5	3.48	18.2	<0.02	7	0.2	4.0	<10	<2		
1389430	Drill Core	0.09	1.04	2.1	0.5	<0.05	1.5	3.11	16.0	<0.02	11	0.2	3.2	<10	<2		
1389431	Drill Core	0.10	0.88	4.9	0.4	<0.05	1.4	3.66	18.4	<0.02	16	0.3	3.7	<10	<2		
1389432	Drill Core	0.06	0.53	5.7	0.3	<0.05	1.0	3.82	18.5	<0.02	9	0.2	4.2	<10	<2		
1389433	Drill Core	0.06	0.42	4.9	0.3	<0.05	1.1	4.69	20.1	<0.02	11	0.3	4.6	<10	<2		
1389434	Drill Core	<0.02	0.03	6.5	<0.1	<0.05	0.4	4.05	12.4	<0.02	44	0.4	7.8	<10	<2		
1389435	Drill Core	0.06	0.25	3.7	0.2	<0.05	1.0	5.57	24.4	<0.02	10	0.6	7.0	<10	<2		
1389436	Drill Core	0.07	0.31	2.5	0.3	<0.05	1.2	4.89	22.5	<0.02	15	0.4	5.8	<10	<2		

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QUALITY CONTROL REPORT VAN11004242.2

	Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	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		0.14	1.57	2.90	42.8	9	3.0	3.9	522	1.89	0.1	1.4	<0.2	4.9	61.3	0.02	<0.02	0.06	34	0.44
1389325	Drill Core	3.13	198.9	33.06	6.52	11.4	145	3.1	2.3	450	1.15	2.4	3.6	3.6	5.3	160.3	<0.01	0.43	0.82	18	1.46
REP 1389325	QC		202.9	33.63	6.51	12.9	163	3.3	2.4	461	1.17	2.1	3.5	3.6	5.6	165.8	<0.01	0.45	0.83	18	1.46
1389331	Drill Core	8.89	1190	127.2	17.41	54.8	1087	18.5	7.8	1496	3.66	32.3	4.2	21.5	4.1	205.1	0.61	2.33	5.01	54	2.30
REP 1389331	QC																				
1389334	Drill Core	7.79	883.5	57.62	72.43	92.1	1905	9.7	3.8	1327	1.83	45.3	4.0	16.0	6.8	219.4	1.09	1.68	4.18	11	1.59
REP 1389334	QC																				
1389337	Drill Core	8.61	1009	49.48	54.28	56.2	1918	7.1	3.2	1281	1.77	69.8	5.1	16.7	7.3	247.0	0.93	2.64	6.44	10	1.47
REP 1389337	QC		1012	51.26	56.41	58.7	1947	6.9	3.3	1297	1.78	72.4	5.3	18.7	7.4	252.6	0.89	2.77	6.62	11	1.55
1389367	Drill Core	6.64	148.2	36.24	98.84	74.2	4971	1.7	2.0	905	1.37	5.2	3.4	6.7	4.9	237.6	0.80	0.50	21.40	5	1.23
REP 1389367	QC		144.7	36.04	101.5	72.7	5209	1.6	1.8	881	1.37	5.3	3.3	6.5	4.9	239.6	0.89	0.49	22.46	5	1.27
1389385	Drill Core	6.52	199.1	16.51	34.14	33.0	971	0.9	0.5	555	0.70	2.7	4.6	56.5	6.9	268.0	0.91	1.72	2.00	3	0.66
REP 1389385	QC		201.7	16.41	34.31	32.5	975	0.8	0.5	544	0.71	3.0	4.7	120.4	7.1	269.3	0.77	1.75	2.01	3	0.66
1389387	Drill Core	6.94	37.55	27.72	23.26	38.0	542	2.7	1.4	816	1.22	8.4	2.4	8.6	4.7	331.6	0.92	0.67	1.25	3	0.92
REP 1389387	QC		37.15	27.33	22.45	37.3	553	2.7	1.3	796	1.24	8.7	2.3	7.3	4.5	330.4	0.85	0.69	1.22	3	0.90
1389403	Drill Core	5.93	347.2	24.45	22.94	442.8	681	1.0	0.9	500	0.72	17.3	2.4	20.2	4.3	241.9	14.07	0.26	2.44	3	1.32
REP 1389403	QC																				
1389418	Drill Core	8.44	17.90	27.61	42.44	166.1	232	0.9	1.2	476	1.08	3.4	2.0	2.0	4.0	193.0	1.01	0.14	0.49	16	1.19
REP 1389418	QC		18.38	28.29	42.81	169.7	178	0.9	1.2	484	1.08	3.7	2.0	2.6	4.2	192.9	0.99	0.16	0.47	16	1.24
1389420	Rock	0.27	0.56	16.17	0.82	12.5	21	3.0	1.1	253	0.43	6.4	0.5	<0.2	0.1	42.2	0.09	0.02	0.06	<2	22.52
REP 1389420	QC		0.54	16.70	1.15	11.9	23	3.7	0.8	255	0.42	5.6	0.5	<0.2	0.2	41.0	0.08	<0.02	0.07	<2	21.72
1389422	Drill Core	3.87	119.4	34.01	19.87	37.3	222	0.7	1.5	464	1.13	9.8	2.5	4.5	4.2	229.4	0.18	0.41	1.40	7	1.73
REP 1389422	QC		119.7	33.51	19.70	36.7	218	0.8	1.4	462	1.11	9.9	2.4	4.8	4.4	228.0	0.15	0.40	1.34	7	1.68
Core Reject Duplicates																					
1389326	Drill Core	4.60	139.9	37.41	8.21	24.7	221	2.6	2.6	445	1.29	11.2	3.0	6.8	4.8	137.0	0.35	1.32	1.07	17	1.35
DUP 1389326	QC		140.4	35.02	7.90	20.1	198	2.7	2.4	426	1.24	8.9	3.0	6.2	5.0	140.0	0.20	1.45	0.91	17	1.35
1389396	Drill Core	4.03	53.69	33.25	15.08	20.9	729	1.1	2.2	401	1.32	33.4	2.7	34.4	5.0	247.0	0.28	0.48	1.92	9	0.99
DUP 1389396	QC		52.28	29.71	17.70	19.2	874	0.7	2.2	413	1.32	35.6	2.8	32.4	4.8	264.6	0.30	0.47	2.38	9	1.01

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Grass Valley California 95945 USA

Project: Stewart
Report Date: October 03, 2011

QUALITY CONTROL REPORT VAN11004242.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
Pulp Duplicates																					
REP G1	QC	0.067	11.0	5.9	0.52	176.6	0.096	<1	0.91	0.077	0.44	<0.1	1.7	0.31	<0.02	10	<0.1	<0.02	4.3	2.40	<0.1
1389325	Drill Core	0.034	16.1	2.2	0.20	49.1	0.017	<1	0.30	0.036	0.18	4.5	0.8	0.09	0.45	19	0.8	0.02	1.4	0.71	<0.1
REP 1389325	QC	0.033	16.5	2.0	0.22	49.4	0.017	<1	0.31	0.036	0.18	4.4	1.0	0.08	0.46	16	0.9	0.05	1.5	0.71	<0.1
1389331	Drill Core	0.054	7.4	16.1	0.38	42.3	0.016	1	0.48	0.012	0.23	>100	2.9	0.13	1.97	<5	2.3	0.27	2.4	1.14	0.1
REP 1389331	QC																				
1389334	Drill Core	0.038	7.6	5.3	0.32	57.1	0.004	3	0.35	0.015	0.19	>100	1.7	0.09	0.89	<5	1.1	0.19	1.1	0.34	<0.1
REP 1389334	QC																				
1389337	Drill Core	0.031	9.2	3.3	0.29	88.9	0.002	2	0.31	0.015	0.19	15.5	1.6	0.09	0.90	9	1.2	0.23	1.1	0.40	<0.1
REP 1389337	QC	0.033	9.5	3.1	0.30	90.5	0.003	2	0.33	0.016	0.20	16.3	1.7	0.10	0.95	<5	1.2	0.24	1.2	0.40	<0.1
1389367	Drill Core	0.028	7.0	1.3	0.17	106.2	0.002	2	0.28	0.014	0.19	1.6	0.7	0.08	0.63	<5	0.5	1.04	1.1	0.37	<0.1
REP 1389367	QC	0.028	6.8	1.2	0.17	103.1	0.001	1	0.28	0.014	0.19	1.7	0.7	0.09	0.64	<5	0.5	1.13	0.9	0.36	<0.1
1389385	Drill Core	0.018	6.4	1.3	0.10	63.1	<0.001	2	0.17	0.012	0.21	64.0	0.5	0.07	0.26	20	0.1	0.10	0.6	0.26	<0.1
REP 1389385	QC	0.019	6.1	1.3	0.10	60.3	<0.001	2	0.17	0.012	0.21	64.0	0.5	0.07	0.26	20	0.2	0.09	0.6	0.25	<0.1
1389387	Drill Core	0.019	5.6	2.9	0.13	58.3	<0.001	2	0.18	0.013	0.21	93.6	0.6	0.07	0.60	22	0.2	0.07	0.7	0.26	<0.1
REP 1389387	QC	0.021	5.6	2.8	0.13	58.9	<0.001	2	0.18	0.013	0.21	94.0	0.6	0.07	0.59	30	0.3	0.14	0.7	0.26	<0.1
1389403	Drill Core	0.020	6.0	3.0	0.07	55.0	<0.001	2	0.22	0.022	0.18	>100	0.4	0.08	0.39	112	0.2	0.10	0.9	0.30	<0.1
REP 1389403	QC																				
1389418	Drill Core	0.032	11.8	2.9	0.13	47.3	0.020	<1	0.30	0.050	0.09	1.5	0.7	0.03	0.34	6	0.3	0.07	1.4	0.52	<0.1
REP 1389418	QC	0.033	12.4	3.0	0.13	48.4	0.023	<1	0.30	0.049	0.09	1.8	0.7	0.03	0.33	8	0.5	0.05	1.4	0.55	<0.1
1389420	Rock	0.018	0.7	<0.5	12.55	22.1	0.001	<1	0.03	0.002	0.03	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.1	0.26	<0.1
REP 1389420	QC	0.018	0.7	<0.5	12.28	23.8	0.001	<1	0.03	0.002	0.03	<0.1	0.2	<0.02	<0.02	<5	0.1	<0.02	0.1	0.27	<0.1
1389422	Drill Core	0.026	11.6	2.1	0.13	50.0	0.002	1	0.34	0.037	0.14	18.0	0.9	0.06	0.42	11	0.4	0.04	1.4	1.22	<0.1
REP 1389422	QC	0.026	11.8	2.0	0.13	49.9	0.002	<1	0.35	0.037	0.14	17.9	0.8	0.06	0.42	15	0.6	0.05	1.3	1.25	<0.1
Core Reject Duplicates																					
1389326	Drill Core	0.041	15.5	1.8	0.21	41.7	0.022	<1	0.30	0.035	0.18	0.7	0.9	0.10	0.53	18	0.6	0.09	1.4	0.81	0.1
DUP 1389326	QC	0.037	15.7	1.9	0.21	56.1	0.023	1	0.32	0.039	0.20	0.6	1.0	0.10	0.48	16	0.5	0.13	1.4	0.83	<0.1
1389396	Drill Core	0.029	8.3	2.2	0.12	58.5	0.006	1	0.28	0.038	0.18	41.8	0.7	0.08	0.68	11	0.4	0.09	1.2	0.38	<0.1
DUP 1389396	QC	0.028	8.0	1.8	0.12	58.7	0.005	1	0.28	0.040	0.18	27.8	0.6	0.08	0.71	13	0.4	0.12	1.2	0.41	<0.1

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Project: Stewart
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QUALITY CONTROL REPORT VAN11004242.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
Pulp Duplicates																	
REP G1	QC	0.07	0.30	36.4	0.4	<0.05	0.8	4.16	18.8	<0.02	<1	0.2	33.5	<10	<2		
1389325	Drill Core	0.07	0.32	11.7	0.2	<0.05	1.3	5.49	26.8	<0.02	127	0.3	6.3	23	2		
REP 1389325	QC	0.08	0.36	12.3	0.1	<0.05	1.5	5.71	27.2	<0.02	129	0.5	6.7	*	<2		
1389331	Drill Core	0.09	0.14	15.4	0.5	<0.05	2.1	5.68	12.0	<0.02	623	0.3	9.7	*	3	0.117	0.016
REP 1389331	QC															0.116	0.015
1389334	Drill Core	0.05	<0.02	10.0	0.2	<0.05	1.1	5.95	11.8	<0.02	428	0.2	4.8	*	2	0.098	0.344
REP 1389334	QC															0.098	0.344
1389337	Drill Core	0.05	0.04	10.3	0.2	<0.05	1.1	5.35	14.5	<0.02	483	0.4	4.8	*	<2		
REP 1389337	QC	0.05	0.04	10.9	0.2	<0.05	1.2	5.48	14.9	<0.02	503	0.3	4.6	*	<2		
1389367	Drill Core	0.03	0.03	10.8	0.2	<0.05	0.8	4.73	11.7	<0.02	68	0.2	3.5	53	<2		
REP 1389367	QC	0.04	0.03	10.9	0.1	<0.05	0.8	4.73	11.3	<0.02	74	0.2	3.3	17	<2		
1389385	Drill Core	0.03	0.02	9.3	0.2	<0.05	0.7	2.47	10.5	<0.02	147	0.1	1.2	18	<2		
REP 1389385	QC	0.04	<0.02	9.2	0.2	<0.05	0.7	2.39	10.0	<0.02	132	<0.1	1.1	*	<2		
1389387	Drill Core	<0.02	<0.02	9.3	0.2	<0.05	0.5	3.22	8.2	<0.02	27	<0.1	1.4	<10	<2		
REP 1389387	QC	0.03	<0.02	9.2	0.2	<0.05	0.5	3.22	8.8	<0.02	25	<0.1	1.6	<10	<2		
1389403	Drill Core	0.02	0.02	9.2	0.1	<0.05	0.5	3.37	9.6	0.04	244	0.1	2.4	18	<2	0.034	0.040
REP 1389403	QC															0.034	0.041
1389418	Drill Core	0.06	0.36	3.5	0.3	<0.05	0.9	5.17	19.8	<0.02	6	0.5	4.1	*	<2		
REP 1389418	QC	0.08	0.41	3.5	0.2	<0.05	1.0	5.08	20.7	<0.02	8	0.5	4.3	*	<2		
1389420	Rock	<0.02	0.06	1.2	<0.1	<0.05	<0.1	0.79	1.5	<0.02	<1	<0.1	0.8	<10	<2		
REP 1389420	QC	<0.02	0.04	1.3	<0.1	<0.05	<0.1	0.83	1.6	<0.02	<1	<0.1	0.9	<10	<2		
1389422	Drill Core	0.02	0.05	6.5	<0.1	<0.05	0.3	6.33	19.7	<0.02	60	0.4	4.6	16	<2		
REP 1389422	QC	0.02	0.05	6.7	<0.1	<0.05	0.3	6.12	19.4	<0.02	67	0.6	4.5	<10	<2		
Core Reject Duplicates																	
1389326	Drill Core	0.08	0.39	12.8	0.3	<0.05	1.3	5.47	26.0	<0.02	94	0.1	6.5	15	<2		
DUP 1389326	QC	0.09	0.41	13.7	0.3	<0.05	1.6	5.80	26.4	<0.02	93	0.3	6.7	<10	<2		
1389396	Drill Core	0.04	0.13	8.5	0.2	<0.05	0.8	3.79	14.5	<0.02	30	0.5	3.0	<10	<2		
DUP 1389396	QC	0.04	0.12	8.9	0.2	<0.05	0.9	3.97	14.2	<0.02	23	0.3	3.2	<10	<2		

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QUALITY CONTROL REPORT VAN11004242.2

		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		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
1389431	Drill Core	4.42	34.21	38.67	3.62	33.2	117	0.9	2.5	335	1.55	0.4	3.2	1.3	4.5	85.4	0.55	0.04	1.95	25	0.65
DUP 1389431	QC		27.05	42.53	3.40	31.8	156	0.7	2.4	312	1.63	0.3	3.2	5.9	4.5	84.7	0.55	0.04	1.97	24	0.62
Reference Materials																					
STD DS8	Standard		11.67	110.7	123.8	316.4	1698	37.4	7.0	574	2.34	26.3	2.8	109.0	6.8	63.7	2.27	5.55	6.81	38	0.66
STD DS8	Standard		12.53	108.7	134.1	323.6	1844	38.3	7.9	594	2.42	27.2	2.9	114.8	7.2	65.8	2.42	5.41	7.31	39	0.70
STD DS8	Standard		12.68	110.9	129.5	319.7	1768	36.3	6.9	561	2.37	27.2	2.9	109.4	7.1	64.4	2.28	5.72	7.21	39	0.67
STD DS8	Standard		10.72	111.8	126.5	320.4	1757	37.9	7.9	601	2.54	25.8	2.6	118.0	6.3	63.8	2.23	5.60	7.40	41	0.65
STD DS8	Standard		13.23	103.1	133.6	319.5	1811	38.9	7.9	610	2.44	27.3	2.4	107.3	5.8	60.6	2.43	4.69	6.05	36	0.69
STD NBLG	Standard																				
STD NBLG	Standard																				
STD NBLG	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD DS8 Expected			13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
STD W107 Expected																					
BLK	Blank		<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
BLK	Blank		<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
BLK	Blank		<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
BLK	Blank		<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
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<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
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<0.01	0.12	1.58	3.07	48.0	11	3.1	4.2	542	2.05	0.1	1.6	1.8	5.4	67.4	0.05	0.04	0.07	36	0.46
G1	Prep Blank	<0.01																			
G1	Prep Blank		0.18	1.75	3.12	50.1	13	3.4	4.2	575	2.08	0.3	1.6	1.3	5.4	68.0	0.03	0.02	0.07	37	0.48

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QUALITY CONTROL REPORT VAN11004242.2

		1F30 P % 0.001	1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Tl ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1	1F30 Cs ppm 0.02	1F30 Ge ppm 0.1
1389431	Drill Core	0.025	12.0	3.6	0.09	43.9	0.034	<1	0.26	0.052	0.11	70.0	0.4	0.03	0.65	39	0.9	0.11	1.3	0.28	<0.1
DUP 1389431	QC	0.025	12.4	3.2	0.08	42.8	0.035	<1	0.26	0.052	0.10	44.1	0.4	0.03	0.73	21	0.8	0.09	1.3	0.26	<0.1
Reference Materials																					
STD DS8	Standard	0.084	13.8	114.1	0.59	246.2	0.105	2	0.87	0.081	0.40	2.7	1.9	5.32	0.16	197	4.5	4.45	4.1	2.33	<0.1
STD DS8	Standard	0.080	14.5	118.2	0.60	257.9	0.109	3	0.92	0.092	0.42	3.2	2.1	5.69	0.16	196	4.9	4.94	4.5	2.49	<0.1
STD DS8	Standard	0.077	14.7	115.3	0.59	258.3	0.110	2	0.89	0.082	0.41	2.5	1.9	5.50	0.16	235	4.6	4.78	4.4	2.42	<0.1
STD DS8	Standard	0.084	14.0	116.9	0.62	230.8	0.112	2	0.88	0.082	0.41	3.0	1.9	5.54	0.16	217	5.3	4.68	4.5	2.33	0.1
STD DS8	Standard	0.081	13.0	121.0	0.60	269.7	0.111	3	0.93	0.097	0.43	3.0	2.0	5.55	0.16	198	5.2	5.03	4.8	2.45	0.1
STD NBLG	Standard																				
STD NBLG	Standard																				
STD NBLG	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13
STD W107 Expected																					
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank																				
BLK	Blank																				
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	0.077	11.2	6.1	0.56	185.4	0.107	1	0.97	0.087	0.47	<0.1	1.7	0.33	<0.02	14	0.1	<0.02	4.7	2.66	<0.1
G1	Prep Blank																				
G1	Prep Blank	0.077	12.3	6.8	0.57	198.9	0.106	<1	0.99	0.088	0.48	<0.1	1.8	0.33	<0.02	12	0.1	<0.02	4.9	2.73	0.1

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: October 03, 2011

QUALITY CONTROL REPORT VAN11004242.2

		1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	7KP Mo % 0.001	7KP W % 0.005
1389431	Drill Core	0.10	0.88	4.9	0.4	<0.05	1.4	3.66	18.4	<0.02	16	0.3	3.7	<10	<2		
DUP 1389431	QC	0.09	0.98	4.5	0.3	<0.05	1.5	3.60	19.1	<0.02	17	0.3	3.7	<10	<2		
Reference Materials																	
STD DS8	Standard	0.07	1.15	36.6	6.8	<0.05	1.9	5.25	24.4	2.26	43	4.9	26.8	*	325		
STD DS8	Standard	0.10	1.06	37.5	7.2	<0.05	1.9	5.44	25.2	2.51	60	5.3	26.5	102	360		
STD DS8	Standard	0.08	1.13	36.9	7.2	<0.05	1.9	5.59	25.7	2.40	59	5.0	27.1	85	349		
STD DS8	Standard	0.10	1.12	36.7	6.5	<0.05	1.9	5.21	23.9	2.29	68	5.0	29.9	90	335		
STD DS8	Standard	0.09	1.23	35.2	6.1	<0.05	2.2	5.62	26.2	2.00	57	5.1	27.2	113	340		
STD NBLG	Standard															<0.001	<0.005
STD NBLG	Standard															<0.001	<0.005
STD NBLG	Standard															0.001	<0.005
STD W107	Standard															0.041	0.414
STD W107	Standard															0.042	0.419
STD W107	Standard															0.045	0.381
STD DS8 Expected		0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339		
STD W107 Expected																0.045	0.42
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
BLK	Blank															<0.001	<0.005
BLK	Blank															<0.001	<0.005
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
BLK	Blank															<0.001	<0.005
Prep Wash																	
G1	Prep Blank	0.08	0.35	37.9	0.5	<0.05	0.9	4.69	19.6	0.04	2	0.2	36.3	<10	<2		
G1	Prep Blank																
G1	Prep Blank	0.05	0.33	38.7	0.6	<0.05	0.8	4.77	21.0	<0.02	<1	0.3	35.8	<10	<2		

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Submitted By: Rob Pease
Receiving Lab: Canada-Vancouver
Received: September 01, 2011
Report Date: November 09, 2011
Page: 1 of 7

CERTIFICATE OF ANALYSIS VAN11004393.2

CLIENT JOB INFORMATION

Project: Stewart
Shipment ID: Stewy 6
P.O. Number
Number of Samples: 162

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
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
R200-500	154	Crush, split and pulverize 500 g rock to 200 mesh			VAN
1F03	162	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
7KP	5	Phosphoric acid leach, ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : 1F06 full package included.

Invoice To: Emgold Mining Corp.
PO Box 1836
Grass Valley California 95945
USA

CC: Perry Grunenbery

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.

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Phone (604) 253-3158 Fax (604) 253-1716
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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004393.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389437	Drill Core	3.76	1886	65.64	6.18	59.9	464	24.9	10.5	634	2.36	3.2	2.9	17.1	5.1	77.7	1.32	0.18	2.64	64	1.17
1389438	Drill Core	5.83	869.0	90.39	6.10	79.2	415	33.9	13.3	1354	3.49	6.5	2.9	10.4	3.0	76.3	0.59	0.53	1.81	132	2.03
1389439	Drill Core	4.05	669.6	79.67	9.72	36.8	553	8.8	5.4	926	2.55	14.6	4.6	8.5	8.0	101.5	0.63	1.90	2.08	37	0.93
1389440	Rock	0.19	13.80	1.55	1.15	18.2	11	1.2	1.8	249	0.42	4.3	0.7	1.2	0.2	39.8	0.10	0.02	0.03	3	17.61
1389441	Rock Pulp	0.08	356.9	3365	22.43	55.7	1829	30.6	8.1	422	3.28	12.9	0.3	862.7	1.1	32.8	0.49	3.31	0.57	51	0.61
1389442	Drill Core	4.06	815.1	55.81	12.54	24.5	432	7.8	4.5	819	1.84	7.5	3.8	4.9	6.4	185.2	0.42	0.57	1.53	23	1.52
1389443	Drill Core	4.22	511.9	49.73	12.43	37.3	391	4.1	4.2	1019	1.82	9.2	3.8	4.6	7.9	189.2	0.78	0.49	1.31	22	1.48
1389444	Drill Core	3.74	131.4	40.90	5.00	18.9	148	3.8	3.3	475	1.57	5.3	3.6	2.8	7.8	130.0	0.22	0.26	0.68	28	1.15
1389445	Drill Core	5.62	393.7	61.15	11.86	19.8	273	3.0	4.6	550	1.99	18.0	3.6	5.7	6.3	234.6	0.29	0.63	1.54	13	1.44
1389446	Drill Core	5.12	88.18	52.17	6.10	19.3	123	1.8	3.3	447	1.67	21.8	4.0	2.3	5.6	171.8	0.15	0.44	1.06	23	1.15
1389447	Drill Core	4.48	98.98	57.00	10.19	29.4	297	2.5	3.7	576	1.68	11.8	5.2	10.6	7.7	50.2	0.38	0.76	1.52	14	0.11
1389448	Drill Core	1.61	>2000	54.94	51.28	26.7	2228	1.9	4.1	384	1.81	12.0	3.6	54.1	6.7	56.7	1.96	1.55	14.04	3	0.10
1389449	Drill Core	2.65	916.8	46.46	55.14	17.4	2291	1.3	3.2	469	1.45	17.1	2.7	21.6	7.5	139.2	0.32	1.37	25.17	4	0.18
1389450	Drill Core	2.29	>2000	64.42	40.33	31.2	1815	2.0	3.9	452	1.97	16.6	4.1	32.0	7.6	68.8	1.10	1.77	5.71	5	0.15
1389451	Drill Core	3.28	79.07	41.15	179.2	180.6	1581	2.2	3.3	890	1.18	13.5	3.1	39.7	8.0	34.8	2.55	6.28	2.26	3	0.05
1389452	Drill Core	1.11	313.6	101.7	196.4	560.6	4346	8.1	9.6	1642	2.66	116.1	4.5	207.7	3.8	22.1	8.41	12.51	7.24	5	0.07
1389453	Drill Core	6.51	155.9	67.31	105.2	546.2	3572	3.5	4.3	806	2.35	50.9	3.2	274.2	5.1	150.6	11.49	7.35	17.26	12	1.08
1389454	Drill Core	2.68	2.95	30.54	2.81	62.7	74	14.8	20.4	785	4.04	3.2	0.7	6.8	2.7	557.2	0.39	0.25	0.15	122	3.32
1389455	Drill Core	5.78	663.3	58.47	12.33	35.2	369	4.9	4.3	731	1.82	31.5	4.7	10.0	6.8	221.3	0.76	5.58	1.69	20	1.79
1389456	Drill Core	3.80	424.5	63.37	22.14	26.1	869	5.2	4.6	930	2.21	22.0	3.4	30.4	5.1	219.4	0.16	5.64	2.89	16	1.54
1389457	Drill Core	4.75	103.6	92.64	9.85	30.2	722	9.4	5.2	831	2.39	61.8	4.8	19.3	9.4	189.9	0.38	4.26	1.04	17	1.31
1389458	Drill Core	4.03	102.4	50.27	12.79	47.9	781	6.5	3.8	634	1.69	45.6	3.9	129.5	5.8	197.5	0.95	4.94	1.38	18	1.27
1389459	Drill Core	4.35	110.6	42.12	5.65	20.3	208	6.7	3.6	615	1.71	9.7	3.8	5.1	6.2	184.5	0.17	3.17	0.99	29	1.78
1389460	Drill Core	4.20	181.0	52.15	32.48	23.4	5486	4.3	3.8	700	1.88	13.6	4.9	8.4	6.9	189.2	0.59	3.53	61.35	21	1.79
1389461	Drill Core	4.23	50.43	37.25	11.49	25.1	201	1.3	2.8	551	1.48	29.0	6.2	4.2	8.1	251.0	0.25	0.79	0.63	12	1.90
1389462	Drill Core	4.02	35.00	38.02	24.87	132.8	928	1.2	3.1	582	1.53	47.3	3.8	18.7	6.3	260.5	2.33	1.27	1.40	7	1.52
1389463	Drill Core	4.02	219.1	44.11	15.72	125.0	624	3.1	3.0	812	1.51	38.0	4.3	17.3	7.4	272.3	3.59	3.63	1.00	10	1.78
1389464	Drill Core	4.14	102.2	51.57	15.31	21.0	754	3.2	4.0	566	1.79	30.0	4.5	10.8	6.9	199.5	0.35	2.32	5.05	17	1.56
1389465	Drill Core	4.24	227.4	51.84	9.19	15.0	271	1.7	3.6	492	1.62	4.7	4.1	3.6	6.9	142.8	0.23	0.41	1.99	15	1.44
1389466	Rock	0.22	2.45	1.32	1.31	12.4	7	2.6	1.7	247	0.47	5.1	0.5	42.2	<0.1	39.1	0.05	<0.02	0.03	2	20.63

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004393.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389437	Drill Core	0.080	12.6	53.2	0.75	93.2	0.091	<1	0.74	0.058	0.43	3.3	4.2	0.40	0.84	14	2.0	0.11	3.1	3.25	0.2
1389438	Drill Core	0.103	8.8	58.2	0.61	72.7	0.092	1	1.34	0.073	0.24	12.1	5.8	0.13	0.85	6	2.1	0.23	4.4	1.68	0.3
1389439	Drill Core	0.074	21.5	10.6	0.28	69.3	0.036	<1	0.47	0.043	0.25	15.0	2.2	0.15	0.85	<5	1.5	0.11	2.0	1.56	<0.1
1389440	Rock	0.014	0.6	0.9	11.39	51.5	0.003	<1	0.05	0.003	0.03	0.7	0.3	<0.02	<0.02	<5	0.2	<0.02	0.2	0.18	<0.1
1389441	Rock Pulp	0.049	5.4	31.2	0.54	116.1	0.105	2	1.19	0.085	0.11	0.9	3.6	0.06	0.41	86	1.0	0.19	4.1	0.36	0.1
1389442	Drill Core	0.059	17.5	5.5	0.25	49.0	0.027	<1	0.37	0.028	0.24	5.5	1.7	0.11	0.86	6	1.8	0.04	1.7	0.85	<0.1
1389443	Drill Core	0.042	17.5	3.7	0.25	67.9	0.018	2	0.33	0.029	0.25	7.1	1.7	0.10	0.84	<5	1.4	0.24	1.5	0.86	<0.1
1389444	Drill Core	0.046	20.8	8.3	0.23	45.9	0.051	1	0.39	0.062	0.20	5.1	1.7	0.10	0.60	<5	0.9	0.09	1.8	1.07	<0.1
1389445	Drill Core	0.039	19.3	3.0	0.23	57.3	0.007	2	0.33	0.028	0.24	3.5	1.4	0.10	1.05	<5	1.6	0.08	1.3	0.69	<0.1
1389446	Drill Core	0.039	17.5	2.7	0.17	67.7	0.020	2	0.35	0.041	0.18	2.3	1.3	0.07	0.57	<5	0.8	0.06	1.6	0.82	0.1
1389447	Drill Core	0.038	23.3	4.1	0.05	91.4	0.005	2	0.43	0.036	0.20	12.8	1.4	0.09	0.04	<5	0.7	0.12	1.4	0.81	<0.1
1389448	Drill Core	0.028	9.8	2.0	0.03	56.7	0.001	3	0.26	0.011	0.21	3.3	0.8	0.12	1.15	35	2.2	1.08	0.9	0.43	<0.1
1389449	Drill Core	0.030	10.0	2.5	0.05	79.6	0.001	3	0.25	0.015	0.25	1.5	0.7	0.10	0.75	<5	1.1	0.93	0.9	0.35	<0.1
1389450	Drill Core	0.037	12.6	2.2	0.04	80.8	0.001	4	0.33	0.018	0.24	3.7	1.1	0.12	1.08	14	1.2	0.37	1.0	0.44	<0.1
1389451	Drill Core	0.020	16.3	2.6	0.02	83.4	<0.001	4	0.28	0.012	0.25	2.5	0.7	0.11	0.04	10	0.7	0.07	0.9	0.44	<0.1
1389452	Drill Core	0.028	8.9	8.3	0.07	52.7	0.002	4	0.42	0.008	0.34	3.8	0.8	0.18	1.74	22	1.1	0.19	1.4	0.68	<0.1
1389453	Drill Core	0.039	10.6	5.8	0.23	79.0	0.005	4	0.44	0.027	0.33	10.5	1.2	0.11	1.33	18	1.4	0.69	1.6	0.71	<0.1
1389454	Drill Core	0.291	15.3	86.1	2.55	838.6	0.200	1	2.12	0.091	1.06	<0.1	9.7	0.26	0.17	7	0.4	0.04	7.6	3.09	0.1
1389455	Drill Core	0.042	17.1	4.3	0.31	49.5	0.013	2	0.34	0.034	0.26	1.4	1.7	0.12	0.89	10	1.4	0.09	1.5	1.05	<0.1
1389456	Drill Core	0.042	15.1	6.5	0.33	52.4	0.015	3	0.32	0.033	0.25	4.6	1.6	0.08	1.10	13	1.2	0.17	1.4	0.69	<0.1
1389457	Drill Core	0.024	11.3	7.2	0.30	73.9	0.019	3	0.30	0.039	0.22	>100	1.5	0.07	1.43	<5	1.6	0.12	1.5	0.59	<0.1
1389458	Drill Core	0.036	14.2	7.9	0.31	44.4	0.006	3	0.33	0.018	0.29	0.9	1.7	0.11	0.85	<5	0.8	0.11	1.7	0.98	<0.1
1389459	Drill Core	0.050	21.4	8.6	0.34	50.1	0.031	3	0.45	0.046	0.28	35.0	1.9	0.16	0.75	<5	1.0	0.15	2.3	1.46	<0.1
1389460	Drill Core	0.038	18.1	6.1	0.30	54.0	0.014	2	0.45	0.038	0.30	2.0	1.6	0.14	0.89	<5	1.5	0.73	2.1	1.15	<0.1
1389461	Drill Core	0.035	18.2	2.0	0.20	138.5	0.003	2	0.42	0.045	0.21	0.8	1.1	0.08	0.53	<5	0.9	0.08	1.9	0.67	<0.1
1389462	Drill Core	0.036	12.2	1.8	0.13	52.0	0.001	4	0.39	0.039	0.24	2.1	1.0	0.09	0.71	<5	0.9	0.11	1.5	0.59	<0.1
1389463	Drill Core	0.037	13.9	3.5	0.21	89.4	0.003	4	0.40	0.044	0.29	2.4	1.3	0.12	0.64	6	1.1	0.12	1.5	0.61	<0.1
1389464	Drill Core	0.035	17.1	6.2	0.23	121.9	0.016	2	0.42	0.046	0.29	2.4	1.3	0.13	0.86	5	1.0	0.31	1.7	0.96	<0.1
1389465	Drill Core	0.033	18.0	3.3	0.19	41.3	0.013	1	0.44	0.044	0.26	4.0	1.0	0.11	0.79	<5	1.1	0.17	1.9	0.70	<0.1
1389466	Rock	0.016	0.6	5.1	10.53	13.3	0.002	<1	0.07	0.002	0.02	0.2	0.3	<0.02	<0.02	<5	0.4	0.07	0.2	0.43	<0.1

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PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004393.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
1389437	Drill Core	0.13	0.27	45.6	0.2	<0.05	3.0	6.57	20.3	<0.02	>1000	0.3	19.0	551	3		
1389438	Drill Core	0.22	0.18	19.0	0.5	<0.05	5.0	7.98	15.0	<0.02	427	1.2	19.9	240	<2		
1389439	Drill Core	0.13	0.61	21.8	0.3	<0.05	3.1	7.43	33.6	<0.02	301	0.5	11.4	181	<2		
1389440	Rock	<0.02	0.06	1.9	<0.1	<0.05	<0.1	0.81	1.3	<0.02	6	<0.1	1.4	<10	<2		
1389441	Rock Pulp	0.30	0.10	4.1	2.0	<0.05	7.6	7.09	10.8	<0.02	312	0.3	7.9	103	<2		
1389442	Drill Core	0.13	0.41	16.6	0.2	<0.05	2.6	6.76	28.9	<0.02	415	0.2	8.9	216	<2		
1389443	Drill Core	0.13	0.44	16.4	0.3	<0.05	2.6	6.34	29.5	<0.02	255	<0.1	7.3	125	<2		
1389444	Drill Core	0.17	1.06	14.8	0.4	<0.05	2.9	6.48	35.2	<0.02	63	0.8	8.0	41	<2		
1389445	Drill Core	0.08	0.15	14.4	0.1	<0.05	1.7	5.65	32.8	<0.02	201	0.1	5.0	74	2		
1389446	Drill Core	0.09	0.43	11.3	0.3	<0.05	2.1	6.71	32.7	<0.02	62	0.2	4.7	26	<2		
1389447	Drill Core	0.08	0.06	12.0	0.1	<0.05	1.7	6.90	41.3	<0.02	28	0.4	4.3	23	<2		
1389448	Drill Core	0.07	0.05	11.3	0.2	<0.05	1.7	3.10	17.2	<0.02	>1000	<0.1	2.3	1636	<2	0.587	<0.005
1389449	Drill Core	0.07	0.04	12.2	<0.1	<0.05	1.6	3.45	16.4	<0.02	236	<0.1	2.1	245	<2		
1389450	Drill Core	0.08	<0.02	11.4	<0.1	<0.05	1.6	4.03	22.1	<0.02	735	0.3	2.9	651	<2	0.205	<0.005
1389451	Drill Core	0.04	0.02	9.9	0.1	<0.05	1.2	4.34	26.9	<0.02	<1	0.3	1.8	*	<2		
1389452	Drill Core	0.04	0.03	18.6	0.8	<0.05	1.1	4.39	17.5	<0.02	144	0.5	5.7	58	<2		
1389453	Drill Core	0.06	0.11	17.4	0.7	<0.05	1.6	4.83	17.9	<0.02	74	0.2	5.0	22	<2		
1389454	Drill Core	0.19	0.07	49.8	0.6	<0.05	6.4	7.79	37.9	0.03	<1	1.2	59.5	*	<2		
1389455	Drill Core	0.10	0.30	15.9	0.2	<0.05	1.8	6.23	28.9	<0.02	352	0.4	6.9	201	<2		
1389456	Drill Core	0.10	0.35	14.4	0.3	<0.05	1.9	5.30	23.9	<0.02	200	0.2	5.4	34	<2		
1389457	Drill Core	0.12	0.27	11.0	0.3	<0.05	3.0	4.81	18.1	<0.02	71	0.3	4.1	<10	<2	0.010	0.051
1389458	Drill Core	0.08	0.12	17.8	0.2	<0.05	1.7	4.85	22.7	<0.02	60	0.2	7.3	<10	<2		
1389459	Drill Core	0.12	0.56	20.6	0.3	<0.05	2.2	7.07	34.7	<0.02	55	0.4	12.0	32	<2		
1389460	Drill Core	0.11	0.33	19.9	0.3	<0.05	2.1	6.42	28.8	<0.02	103	0.2	9.7	*	<2		
1389461	Drill Core	0.07	0.08	10.8	0.1	<0.05	1.5	6.87	30.8	<0.02	34	0.5	5.9	<10	<2		
1389462	Drill Core	0.06	0.04	12.1	0.1	<0.05	1.3	5.72	21.8	<0.02	17	0.2	4.0	<10	<2		
1389463	Drill Core	0.08	0.07	15.3	0.2	<0.05	1.5	5.08	22.7	<0.02	124	0.6	4.8	46	<2		
1389464	Drill Core	0.10	0.35	17.9	0.3	<0.05	1.9	5.23	26.5	<0.02	52	0.3	7.7	28	<2		
1389465	Drill Core	0.12	0.24	14.6	0.2	<0.05	1.6	5.35	28.5	<0.02	109	0.3	8.9	70	<2		
1389466	Rock	<0.02	0.04	1.9	<0.1	<0.05	0.1	0.92	1.3	<0.02	<1	<0.1	1.1	<10	<2		

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Project: Stewart
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CERTIFICATE OF ANALYSIS VAN11004393.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389467	Rock Pulp	0.08	1050	9006	48.03	175.9	4098	40.3	21.9	576	4.29	36.1	0.7	649.4	1.7	49.2	1.76	7.09	1.59	99	0.94
1389468	Drill Core	4.16	438.2	52.02	6.95	11.0	217	0.9	3.4	408	1.66	4.2	3.8	4.1	6.9	107.3	0.24	0.75	2.11	17	1.16
1389469	Drill Core	4.28	659.2	53.49	7.48	12.0	237	2.4	3.5	366	1.53	5.4	4.0	6.8	6.7	111.9	0.31	0.47	2.01	21	1.26
1389470	Drill Core	5.22	1337	35.97	9.70	9.2	370	0.7	2.7	485	1.18	5.1	4.5	8.9	7.0	135.9	0.54	0.67	2.78	16	1.49
1389471	Drill Core	6.18	633.2	37.15	26.24	40.8	421	0.8	2.8	644	1.26	19.7	3.7	8.2	6.5	175.4	0.58	0.46	1.39	10	1.82
1389472	Drill Core	8.20	124.0	39.55	17.74	40.1	307	0.7	2.4	414	1.40	11.1	3.9	11.7	7.9	150.6	0.44	0.36	1.14	16	1.03
1389473	Drill Core	8.19	34.19	41.03	10.94	15.8	251	1.3	3.1	606	1.39	24.3	5.6	6.4	8.6	268.2	0.32	0.94	0.58	9	1.72
1389474	Drill Core	8.39	38.18	85.17	19.80	87.3	823	12.1	6.4	742	2.30	64.5	3.0	43.5	4.7	275.2	1.27	5.52	2.16	42	1.98
1389475	Drill Core	7.85	49.74	50.33	27.80	42.4	1248	1.6	3.3	583	1.59	25.3	3.9	10.1	6.3	201.0	0.88	1.76	4.44	12	1.30
1389476	Drill Core	8.09	44.30	55.23	35.60	109.4	2879	1.1	4.1	509	1.80	12.6	5.5	60.9	9.3	199.4	3.51	1.12	20.31	18	1.40
1389477	Drill Core	8.08	18.95	32.82	9.43	31.9	200	1.0	2.6	620	1.31	5.4	3.7	2.2	6.0	232.6	0.61	0.34	0.53	17	1.59
1389478	Drill Core	8.57	12.57	43.10	10.04	19.1	259	1.1	3.1	806	1.50	7.4	3.6	4.4	6.2	229.1	0.37	0.46	0.75	12	1.95
1389479	Drill Core	8.21	13.54	40.14	12.09	21.9	417	1.4	3.2	594	1.48	4.5	4.0	3.1	6.4	205.7	0.35	0.36	1.59	13	1.56
1389480	Drill Core	5.04	9.76	46.15	18.39	14.1	1090	1.0	3.0	365	1.55	2.8	3.4	9.1	5.8	140.4	0.17	0.51	5.30	21	0.98
1389481	Drill Core	7.66	38.51	41.42	8.53	35.8	217	1.5	3.2	597	1.53	1.6	4.4	1.9	7.2	189.5	0.66	0.29	0.70	22	1.64
1389482	Drill Core	3.78	17.56	111.6	66.65	18.3	4494	2.1	6.3	443	3.19	6.0	4.2	16.4	8.5	164.1	0.30	0.76	14.95	17	1.04
1389483	Drill Core	4.32	44.27	39.63	14.57	13.0	873	1.3	2.9	526	1.36	0.8	3.1	4.4	5.7	146.1	0.17	0.13	2.73	22	1.57
1389484	Drill Core	3.68	39.80	42.87	7.69	15.4	189	1.1	3.5	479	1.45	2.0	6.1	1.6	9.2	170.8	0.29	0.32	0.80	16	1.46
1389485	Drill Core	8.60	50.59	34.88	13.13	19.5	452	1.0	2.9	607	1.31	36.9	3.2	4.3	6.2	236.3	0.25	0.75	1.00	12	1.82
1389486	Rock	0.18	4.21	0.78	1.46	16.2	15	3.9	1.0	241	0.45	0.8	0.5	21.7	0.2	50.1	0.13	0.13	0.05	2	18.71
1389487	Rock Pulp	0.07	362.7	3350	22.80	56.4	1650	33.2	8.8	450	3.21	13.6	0.4	771.9	1.3	39.3	0.34	3.31	0.62	53	0.73
1389488	Drill Core	7.94	24.09	41.81	33.57	71.0	1167	1.7	3.4	605	1.64	34.3	3.0	25.4	5.1	260.0	1.37	2.09	5.97	10	1.67
1389489	Drill Core	8.47	24.40	58.49	7.22	111.6	186	1.6	3.8	561	1.68	6.5	4.2	5.0	6.0	154.8	3.20	0.51	0.71	18	1.22
1389490	Drill Core	8.67	43.64	53.09	6.96	12.9	175	2.1	4.3	498	1.62	1.5	3.5	3.7	6.4	167.4	0.07	0.18	1.33	23	1.51
1389491	Drill Core	7.76	18.90	36.23	6.01	13.3	132	1.3	2.6	515	1.31	1.7	3.3	1.5	6.0	154.6	0.12	0.14	0.69	18	1.26
1389492	Drill Core	7.75	26.86	41.52	7.20	13.1	190	1.4	3.1	519	1.44	4.2	3.2	1.3	5.6	194.4	0.24	0.27	0.51	12	1.31
1389493	Drill Core	7.97	38.56	40.06	5.53	13.7	147	1.2	2.9	504	1.45	1.4	4.1	0.7	6.0	170.0	0.13	0.10	0.56	21	1.28
1389494	Drill Core	7.53	56.03	34.50	5.72	15.7	129	2.3	2.5	484	1.36	1.6	4.0	0.8	6.6	173.3	0.17	0.14	0.50	20	1.20
1389495	Drill Core	7.36	31.78	34.18	10.94	79.2	334	1.2	2.2	462	1.20	2.0	2.4	1.6	4.9	148.3	1.81	0.16	0.84	19	1.17
1389496	Drill Core	8.16	39.56	37.40	5.53	13.4	150	1.5	2.6	443	1.37	6.8	3.7	3.3	6.3	189.6	0.12	0.20	0.57	21	1.27

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	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389467	Rock Pulp	0.089	8.3	65.3	1.02	87.6	0.158	6	1.73	0.112	0.55	15.1	8.4	0.42	1.88	148	5.6	0.78	6.5	2.41	0.2
1389468	Drill Core	0.033	18.5	2.6	0.21	40.0	0.014	1	0.55	0.046	0.23	4.1	0.9	0.10	0.66	11	0.9	0.15	2.2	0.61	<0.1
1389469	Drill Core	0.035	19.6	4.1	0.20	49.2	0.030	<1	0.44	0.044	0.26	3.4	1.1	0.13	0.81	<5	1.2	0.14	2.1	1.00	<0.1
1389470	Drill Core	0.031	15.3	3.0	0.15	44.0	0.016	1	0.42	0.041	0.23	1.2	0.9	0.11	0.58	12	0.9	0.15	1.8	0.74	<0.1
1389471	Drill Core	0.028	15.5	2.9	0.17	45.1	0.004	1	0.49	0.043	0.22	0.5	0.9	0.09	0.54	<5	0.8	0.06	2.1	0.61	<0.1
1389472	Drill Core	0.034	18.4	2.9	0.14	121.6	0.034	2	0.40	0.073	0.18	1.3	0.7	0.06	0.68	<5	0.8	0.09	1.7	0.53	0.1
1389473	Drill Core	0.030	15.9	1.9	0.15	43.9	0.003	3	0.32	0.035	0.23	5.1	1.1	0.09	0.67	<5	1.1	0.03	1.3	0.73	<0.1
1389474	Drill Core	0.053	13.0	16.8	0.48	49.9	0.023	4	0.50	0.038	0.29	12.7	3.1	0.13	0.93	7	1.9	0.20	2.1	2.13	<0.1
1389475	Drill Core	0.034	14.9	3.2	0.17	50.6	0.008	2	0.34	0.034	0.27	64.4	1.0	0.10	0.80	<5	1.0	0.30	1.4	0.88	<0.1
1389476	Drill Core	0.043	19.0	2.6	0.18	137.0	0.032	3	0.42	0.051	0.24	24.6	0.8	0.09	0.95	<5	1.1	0.35	1.8	0.76	<0.1
1389477	Drill Core	0.038	16.1	3.0	0.17	76.5	0.027	2	0.37	0.046	0.24	1.2	0.9	0.10	0.55	<5	0.6	0.10	1.7	0.64	<0.1
1389478	Drill Core	0.034	16.0	2.8	0.20	54.4	0.007	2	0.41	0.037	0.26	0.6	1.0	0.12	0.75	<5	1.2	0.03	1.7	0.71	<0.1
1389479	Drill Core	0.032	14.1	3.2	0.17	46.5	0.011	2	0.40	0.041	0.27	3.1	1.0	0.11	0.73	<5	0.9	0.11	1.8	0.76	<0.1
1389480	Drill Core	0.035	19.4	2.5	0.16	63.1	0.047	2	0.34	0.066	0.22	4.7	0.8	0.08	0.71	<5	1.1	0.15	1.5	0.66	0.1
1389481	Drill Core	0.039	19.0	4.3	0.21	45.4	0.032	<1	0.41	0.046	0.28	7.3	1.1	0.13	0.66	<5	0.6	0.06	1.8	0.99	<0.1
1389482	Drill Core	0.035	14.4	4.2	0.17	55.0	0.026	2	0.33	0.047	0.23	76.3	0.7	0.08	1.79	<5	1.7	0.66	1.6	0.66	<0.1
1389483	Drill Core	0.038	20.5	3.8	0.21	56.8	0.037	1	0.39	0.051	0.29	38.4	1.1	0.15	0.60	<5	0.8	0.19	1.9	1.23	0.1
1389484	Drill Core	0.028	17.7	3.6	0.19	46.8	0.016	2	0.34	0.034	0.29	4.6	1.1	0.14	0.75	6	0.8	0.12	1.7	1.16	<0.1
1389485	Drill Core	0.032	17.7	3.3	0.18	77.3	0.005	2	0.37	0.033	0.25	4.8	1.0	0.11	0.63	<5	0.7	0.10	1.6	0.84	<0.1
1389486	Rock	0.020	0.7	3.4	11.92	16.4	0.002	1	0.04	0.003	0.02	0.2	0.3	<0.02	<0.02	<5	0.2	0.05	0.1	0.10	<0.1
1389487	Rock Pulp	0.049	5.5	30.6	0.59	124.3	0.121	6	1.27	0.087	0.11	0.8	3.8	0.07	0.39	70	1.2	0.26	4.2	0.38	<0.1
1389488	Drill Core	0.037	10.4	2.6	0.16	51.1	0.007	3	0.29	0.037	0.21	0.9	0.8	0.08	0.83	11	0.9	0.16	1.3	0.71	<0.1
1389489	Drill Core	0.037	14.5	2.7	0.21	45.0	0.029	1	0.30	0.041	0.19	>100	0.9	0.10	0.90	24	1.2	0.08	1.5	0.85	<0.1
1389490	Drill Core	0.039	16.5	4.6	0.23	47.1	0.021	<1	0.39	0.052	0.26	1.8	1.2	0.12	0.79	8	1.0	0.11	2.0	1.15	<0.1
1389491	Drill Core	0.041	13.5	2.7	0.18	44.3	0.030	<1	0.31	0.054	0.18	1.1	0.8	0.08	0.56	6	0.4	<0.02	1.4	0.67	<0.1
1389492	Drill Core	0.027	11.9	2.9	0.14	65.7	0.012	2	0.33	0.044	0.22	4.8	0.7	0.08	0.70	5	0.8	0.06	1.5	0.65	<0.1
1389493	Drill Core	0.037	14.2	3.4	0.14	46.6	0.035	<1	0.30	0.060	0.19	3.1	0.7	0.07	0.62	8	0.7	<0.02	1.5	0.58	<0.1
1389494	Drill Core	0.034	13.1	3.6	0.15	48.8	0.027	<1	0.31	0.055	0.15	0.9	0.7	0.06	0.55	<5	0.5	0.03	1.5	0.54	<0.1
1389495	Drill Core	0.033	13.4	5.2	0.15	42.2	0.025	<1	0.34	0.049	0.17	1.9	0.9	0.06	0.47	<5	0.5	0.02	1.7	0.63	<0.1
1389496	Drill Core	0.033	14.9	3.7	0.15	48.1	0.021	<1	0.32	0.048	0.16	1.3	0.8	0.07	0.58	<5	0.7	0.04	1.5	0.64	<0.1

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Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004393.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
1389467	Rock Pulp	0.20	0.10	29.0	1.7	<0.05	5.4	10.79	16.8	<0.02	983	0.3	9.8	375	<2		
1389468	Drill Core	0.08	0.68	12.4	0.2	<0.05	1.5	5.49	31.5	<0.02	267	0.3	12.2	131	<2		
1389469	Drill Core	0.08	0.57	17.5	0.3	<0.05	1.7	6.08	31.5	<0.02	322	0.4	9.7	190	2		
1389470	Drill Core	0.08	0.36	14.4	0.2	<0.05	1.5	5.32	24.6	<0.02	702	0.4	7.1	*	<2		
1389471	Drill Core	0.04	0.10	11.8	0.2	<0.05	1.0	6.61	26.2	<0.02	297	0.6	7.8	*	<2		
1389472	Drill Core	0.09	0.71	8.8	0.4	<0.05	1.7	5.92	29.7	<0.02	48	0.4	5.0	26	<2		
1389473	Drill Core	0.05	0.10	11.9	0.2	<0.05	1.4	6.26	26.7	<0.02	16	0.4	3.7	*	<2		
1389474	Drill Core	0.08	0.12	18.5	0.5	<0.05	1.5	6.96	22.3	<0.02	22	0.2	14.0	<10	<2		
1389475	Drill Core	0.06	0.17	15.2	0.4	<0.05	1.6	5.14	25.1	<0.02	23	0.3	5.5	<10	<2		
1389476	Drill Core	0.10	0.70	13.2	0.4	<0.05	2.8	7.44	33.7	<0.02	20	0.3	5.2	<10	<2		
1389477	Drill Core	0.11	0.58	13.8	0.4	<0.05	1.9	6.45	29.4	<0.02	2	0.2	4.5	<10	<2		
1389478	Drill Core	0.07	0.14	16.2	0.4	<0.05	1.4	5.87	26.0	<0.02	7	0.1	5.9	<10	<2		
1389479	Drill Core	0.10	0.21	16.8	0.3	<0.05	1.7	5.62	25.4	<0.02	<1	0.3	5.9	<10	<2		
1389480	Drill Core	0.12	1.06	12.8	0.5	<0.05	2.3	6.04	31.0	<0.02	<1	0.2	6.0	<10	<2		
1389481	Drill Core	0.09	0.70	18.7	0.5	<0.05	2.3	6.88	33.1	<0.02	13	0.3	7.1	10	<2		
1389482	Drill Core	0.12	0.71	13.4	0.4	<0.05	2.1	5.21	23.1	<0.02	20	0.2	5.3	<10	<2		
1389483	Drill Core	0.10	0.77	21.7	0.3	<0.05	2.1	6.92	34.3	<0.02	12	0.6	10.1	13	<2		
1389484	Drill Core	0.11	0.38	20.3	0.3	<0.05	2.4	5.57	29.1	<0.02	22	0.2	7.3	<10	<2		
1389485	Drill Core	0.06	0.11	14.9	0.2	<0.05	1.3	5.97	31.7	<0.02	20	0.4	5.6	16	<2		
1389486	Rock	<0.02	0.07	0.9	<0.1	<0.05	<0.1	0.81	1.2	0.05	3	<0.1	0.9	<10	<2		
1389487	Rock Pulp	0.26	0.11	4.1	2.1	<0.05	8.0	7.45	10.9	<0.02	296	<0.1	8.8	99	<2		
1389488	Drill Core	0.06	0.19	11.4	0.2	<0.05	1.3	5.28	20.1	<0.02	7	0.4	3.5	<10	<2		
1389489	Drill Core	0.08	0.89	13.2	0.3	<0.05	2.1	6.02	26.1	<0.02	7	0.3	6.8	<10	<2	0.002	0.029
1389490	Drill Core	0.11	0.41	17.1	0.2	<0.05	1.8	6.17	31.0	<0.02	11	0.4	10.9	12	<2		
1389491	Drill Core	0.12	0.71	10.8	0.3	<0.05	2.0	5.74	25.6	<0.02	3	0.4	5.6	<10	<2		
1389492	Drill Core	0.07	0.26	12.8	0.3	<0.05	1.5	4.84	22.0	<0.02	7	0.2	4.5	<10	<2		
1389493	Drill Core	0.13	0.87	11.3	0.3	<0.05	2.3	5.63	25.1	<0.02	9	0.2	5.0	<10	<2		
1389494	Drill Core	0.11	0.60	9.1	0.6	<0.05	2.3	5.46	24.2	<0.02	26	0.3	4.6	11	<2		
1389495	Drill Core	0.08	0.54	9.8	0.3	<0.05	1.5	5.60	23.7	<0.02	13	0.6	5.1	<10	<2		
1389496	Drill Core	0.10	0.52	8.8	0.3	<0.05	1.7	5.96	27.6	<0.02	21	0.7	5.2	<10	<2		

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Project: Stewart
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CERTIFICATE OF ANALYSIS VAN11004393.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389497	Drill Core	4.13	94.20	36.01	6.99	15.8	158	0.9	2.2	437	1.23	7.1	4.2	1.9	7.0	160.2	0.13	0.44	0.54	23	1.31
1389498	Drill Core	3.85	57.43	91.67	8.42	19.1	323	2.1	6.1	564	2.19	20.6	5.2	6.7	6.6	195.3	0.11	1.15	0.98	21	1.49
1389499	Drill Core	8.36	17.83	50.78	16.58	85.6	368	1.1	3.7	408	1.54	17.7	4.4	5.3	6.8	184.7	2.45	0.29	0.99	14	1.03
1389500	Drill Core	8.02	32.41	75.94	11.74	21.3	440	1.6	7.2	536	2.11	14.0	3.5	3.8	5.7	282.1	0.24	0.30	1.09	14	1.41
1389501	Drill Core	8.71	24.88	42.50	5.43	30.4	149	1.2	2.9	400	1.40	2.3	3.6	2.7	6.1	163.1	0.22	0.62	0.90	20	1.16
1389502	Drill Core	7.64	22.50	49.39	6.57	18.1	177	1.5	3.7	588	1.64	4.3	4.5	3.3	6.1	194.7	0.21	0.24	0.86	21	1.36
1389503	Drill Core	4.64	56.60	53.38	5.54	11.4	140	1.0	3.7	387	1.56	1.5	3.6	4.2	5.8	158.7	0.10	0.10	1.02	19	1.11
1389504	Drill Core	3.69	174.4	19.22	2.98	27.5	57	1.3	1.5	216	0.88	0.5	3.9	<0.2	7.7	96.5	0.44	0.03	0.29	14	0.57
1389505	Drill Core	7.72	42.47	37.13	8.01	13.9	151	1.1	2.8	318	1.26	3.8	4.0	1.3	7.1	156.3	0.18	0.18	0.92	14	0.93
1389506	Rock	0.28	0.52	3.16	1.06	16.1	5	1.5	0.5	190	0.36	2.1	0.4	<0.2	<0.1	35.2	0.06	0.02	<0.02	<2	18.04
1389507	Rock Pulp	0.09	1007	8754	41.54	146.4	3728	35.8	18.7	515	4.32	31.9	0.6	620.5	1.5	37.5	1.20	5.85	1.30	97	0.92
1389508	Drill Core	8.26	84.26	35.26	4.63	34.4	116	1.5	3.2	340	1.64	1.3	3.4	3.3	5.7	157.7	0.07	1.07	0.90	25	1.11
1389509	Drill Core	4.09	115.8	51.01	8.44	7.9	157	1.2	3.7	437	1.65	2.1	3.5	9.0	6.6	231.0	0.09	0.20	0.84	14	1.27
1389510	Drill Core	4.60	58.42	42.53	4.02	15.1	119	1.0	2.6	453	1.47	1.0	3.2	6.9	6.4	148.9	0.09	0.09	0.81	26	1.15
1389511	Drill Core	1.94	228.1	49.50	15.10	11.6	379	1.2	3.7	865	1.66	25.6	5.9	7.8	9.1	338.7	0.20	0.58	1.28	11	2.38
1389512	Drill Core	6.03	108.1	49.38	7.50	21.5	235	1.3	3.1	473	1.68	6.2	2.5	7.6	4.9	249.6	0.16	0.29	1.09	19	1.50
1389513	Drill Core	3.49	586.9	56.97	9.08	10.6	547	1.2	3.6	457	1.64	7.2	4.6	10.3	6.8	183.7	0.14	0.47	3.85	14	1.62
1389514	Drill Core	4.78	59.13	49.60	4.86	13.8	132	1.1	3.1	433	1.58	4.4	4.6	5.2	6.7	182.1	0.11	0.19	1.01	16	1.21
1389515	Drill Core	4.23	121.2	46.04	7.93	20.8	330	1.2	2.8	450	1.56	34.6	2.8	17.4	5.6	281.0	0.35	0.79	1.39	12	1.53
1389516	Drill Core	4.21	52.28	42.23	4.08	14.9	130	0.9	2.3	490	1.58	17.1	1.7	6.7	3.9	183.8	0.11	0.33	0.96	23	1.19
1389517	Drill Core	6.39	68.85	60.72	17.61	38.6	1305	1.6	3.9	459	2.04	9.6	3.8	5.5	5.8	71.5	0.68	0.56	8.95	19	0.26
1389518	Drill Core	7.57	73.73	33.87	9.22	21.8	532	1.1	2.0	416	1.56	4.2	2.6	4.2	6.3	63.8	0.19	0.39	4.16	29	0.41
1389519	Drill Core	6.87	117.4	84.54	57.32	28.4	6788	1.7	5.2	676	2.52	19.0	3.4	17.1	6.9	85.9	0.46	2.58	67.22	15	0.18
1389520	Drill Core	5.07	50.28	45.76	4.16	22.2	155	1.5	2.8	645	1.68	10.7	3.1	3.8	6.6	48.7	0.21	0.30	0.50	27	0.34
1389521	Drill Core	2.81	88.07	70.61	4.93	20.0	233	1.7	3.6	389	1.90	9.6	2.8	5.9	5.9	52.1	0.18	0.49	1.01	17	0.37
1389522	Drill Core	3.02	150.3	166.7	45.75	52.7	4057	4.4	7.9	354	5.75	28.9	5.8	43.8	5.1	43.7	0.44	1.23	15.04	8	0.10
1389523	Drill Core	4.62	163.7	53.46	28.09	28.2	1858	1.8	3.2	463	1.88	40.2	3.9	24.7	9.4	41.8	0.34	1.12	10.34	8	0.09
1389524	Drill Core	4.00	41.84	64.02	87.37	306.3	1278	2.0	4.0	678	1.90	23.1	3.0	23.2	6.6	40.8	3.20	1.62	3.29	9	0.28
1389525	Drill Core	4.18	116.1	38.52	14.88	26.8	850	1.1	1.9	548	1.21	7.9	8.6	14.8	7.5	371.7	0.55	7.69	0.88	4	1.66
1389526	Rock	0.25	0.42	1.94	1.20	15.6	8	1.0	0.7	206	0.47	0.9	0.4	0.6	0.2	37.0	0.08	0.18	0.04	<2	20.72

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

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Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389497	Drill Core	0.023	13.2	5.8	0.11	61.2	0.014	1	0.34	0.038	0.17	10.2	0.7	0.06	0.53	<5	0.7	0.06	1.8	0.62	<0.1
1389498	Drill Core	0.038	14.9	3.3	0.18	70.2	0.020	2	0.45	0.050	0.16	1.6	1.1	0.06	1.16	<5	1.6	0.03	2.0	0.67	<0.1
1389499	Drill Core	0.025	10.3	5.8	0.11	47.2	0.012	<1	0.33	0.036	0.17	22.3	0.6	0.05	0.80	<5	0.9	0.06	1.5	0.43	<0.1
1389500	Drill Core	0.031	12.3	3.1	0.16	87.2	0.010	1	0.41	0.040	0.19	4.4	0.9	0.07	1.18	<5	1.5	0.04	1.8	0.56	<0.1
1389501	Drill Core	0.038	17.7	6.0	0.15	53.0	0.038	<1	0.34	0.054	0.15	9.4	0.8	0.06	0.54	<5	0.5	0.07	1.7	0.63	<0.1
1389502	Drill Core	0.041	17.5	3.6	0.20	62.6	0.038	<1	0.35	0.052	0.18	23.2	0.8	0.08	0.71	<5	0.9	0.05	1.8	0.69	<0.1
1389503	Drill Core	0.039	15.5	5.4	0.17	49.7	0.038	<1	0.31	0.056	0.18	27.4	0.8	0.08	0.75	<5	1.1	0.03	1.5	0.71	<0.1
1389504	Drill Core	0.043	17.3	3.2	0.08	39.4	0.062	<1	0.25	0.090	0.13	2.6	0.4	0.02	0.29	8	0.5	<0.02	1.2	0.21	<0.1
1389505	Drill Core	0.030	14.0	5.2	0.13	53.5	0.026	<1	0.28	0.046	0.19	56.0	0.6	0.08	0.60	11	0.7	0.04	1.2	0.60	<0.1
1389506	Rock	0.017	<0.5	0.6	10.81	14.3	<0.001	<1	0.03	0.003	0.02	0.8	<0.1	<0.02	<0.02	<5	0.2	<0.02	<0.1	0.10	<0.1
1389507	Rock Pulp	0.079	6.8	59.3	1.00	91.7	0.121	4	1.68	0.116	0.54	15.0	7.0	0.38	1.94	118	4.9	0.76	5.5	2.19	0.2
1389508	Drill Core	0.045	17.1	5.7	0.20	58.9	0.050	1	0.35	0.065	0.19	3.1	0.9	0.09	0.66	<5	0.8	0.06	1.8	0.83	<0.1
1389509	Drill Core	0.036	14.3	2.8	0.18	67.7	0.022	<1	0.37	0.054	0.25	0.7	0.8	0.10	0.77	<5	1.1	0.10	1.5	0.64	<0.1
1389510	Drill Core	0.038	18.1	5.2	0.16	36.2	0.041	<1	0.31	0.061	0.13	11.1	0.7	0.04	0.59	7	0.8	0.04	1.5	0.46	<0.1
1389511	Drill Core	0.027	6.7	1.8	0.12	91.7	0.002	<1	0.22	0.017	0.15	1.6	0.7	0.06	1.11	<5	1.2	0.13	1.1	0.41	<0.1
1389512	Drill Core	0.042	15.6	4.5	0.19	44.3	0.019	<1	0.35	0.045	0.14	2.6	1.1	0.05	0.65	<5	0.7	0.09	1.6	0.68	<0.1
1389513	Drill Core	0.031	16.2	2.8	0.14	82.7	0.008	<1	0.35	0.033	0.14	2.8	0.8	0.07	0.91	<5	1.2	0.16	1.7	0.59	<0.1
1389514	Drill Core	0.034	12.4	5.1	0.14	114.4	0.023	1	0.30	0.046	0.15	14.7	0.7	0.05	0.69	<5	0.9	0.07	1.5	0.44	<0.1
1389515	Drill Core	0.032	13.5	3.0	0.16	39.7	0.009	3	0.31	0.034	0.17	5.3	0.9	0.08	0.66	<5	0.7	0.12	1.4	0.79	<0.1
1389516	Drill Core	0.034	13.9	4.8	0.18	39.0	0.031	<1	0.33	0.058	0.11	5.1	0.8	0.04	0.61	<5	0.8	0.06	1.8	0.59	<0.1
1389517	Drill Core	0.031	15.0	3.2	0.07	89.6	0.023	1	0.43	0.068	0.20	14.7	0.7	0.06	0.59	<5	0.9	0.55	1.6	0.42	<0.1
1389518	Drill Core	0.033	14.4	4.5	0.09	98.0	0.031	<1	0.26	0.066	0.11	3.0	0.7	0.02	0.40	<5	0.7	0.42	1.3	0.42	<0.1
1389519	Drill Core	0.034	16.2	2.7	0.09	103.9	0.007	2	0.55	0.041	0.19	6.4	1.0	0.08	0.77	<5	1.5	2.86	1.7	0.65	<0.1
1389520	Drill Core	0.039	18.7	3.8	0.11	70.3	0.029	<1	0.41	0.062	0.12	10.5	1.1	0.03	0.29	<5	0.6	0.03	1.8	0.57	<0.1
1389521	Drill Core	0.034	17.4	3.0	0.10	69.8	0.030	2	0.43	0.065	0.14	5.8	0.8	0.04	0.47	<5	1.1	0.05	1.9	0.58	<0.1
1389522	Drill Core	0.038	14.2	6.1	0.12	103.5	0.002	2	1.03	0.026	0.19	35.9	0.8	0.09	1.26	<5	2.6	0.92	2.7	0.85	<0.1
1389523	Drill Core	0.027	14.6	3.5	0.08	104.3	0.003	2	0.46	0.032	0.19	4.1	0.8	0.12	0.18	<5	0.7	0.67	1.5	0.56	<0.1
1389524	Drill Core	0.040	20.5	3.5	0.11	80.3	0.001	4	0.50	0.046	0.17	83.8	1.3	0.09	0.40	48	0.7	0.21	1.5	0.66	<0.1
1389525	Drill Core	0.025	11.1	2.1	0.12	88.4	<0.001	6	0.24	0.032	0.17	1.9	0.9	0.07	0.57	21	0.6	0.02	1.0	0.56	<0.1
1389526	Rock	0.016	1.4	0.8	11.18	20.3	0.001	<1	0.03	0.001	0.02	0.2	0.2	<0.02	<0.02	<5	0.6	<0.02	<0.1	0.14	<0.1

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PO Box 1836
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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004393.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
1389497	Drill Core	0.12	0.59	9.4	0.3	<0.05	2.1	5.18	23.6	<0.02	21	0.4	4.5	17	<2		
1389498	Drill Core	0.07	0.36	7.8	0.2	<0.05	1.5	6.57	28.6	<0.02	37	0.7	8.1	13	<2		
1389499	Drill Core	0.08	0.23	7.6	0.2	<0.05	1.9	4.19	19.4	<0.02	7	0.5	4.4	<10	<2		
1389500	Drill Core	0.05	0.19	10.5	0.2	<0.05	1.2	5.64	22.9	<0.02	12	0.5	6.0	<10	<2		
1389501	Drill Core	0.11	0.85	9.4	0.3	<0.05	1.9	5.94	31.6	<0.02	16	0.2	5.5	<10	<2		
1389502	Drill Core	0.13	0.80	12.4	0.4	<0.05	2.0	6.63	30.6	<0.02	14	0.3	5.7	<10	<2		
1389503	Drill Core	0.09	0.91	11.4	0.3	<0.05	1.8	5.43	27.7	<0.02	23	0.3	6.0	10	<2		
1389504	Drill Core	0.19	2.10	4.2	0.4	<0.05	2.6	5.90	32.3	<0.02	42	0.4	4.0	39	<2		
1389505	Drill Core	0.14	0.73	11.5	0.2	<0.05	2.3	4.64	24.6	<0.02	17	0.3	4.6	<10	<2		
1389506	Rock	<0.02	0.03	0.7	<0.1	<0.05	<0.1	0.52	0.8	<0.02	<1	<0.1	0.5	<10	<2		
1389507	Rock Pulp	0.15	0.09	26.3	1.4	<0.05	5.0	9.35	15.6	<0.02	921	0.4	8.3	163	3		
1389508	Drill Core	0.17	1.37	13.7	0.3	<0.05	2.7	6.70	33.6	<0.02	31	0.2	7.8	13	<2		
1389509	Drill Core	0.09	0.56	14.9	0.3	<0.05	1.9	5.25	27.4	<0.02	54	0.1	5.6	21	<2		
1389510	Drill Core	0.12	1.19	7.0	0.4	<0.05	2.0	6.26	31.7	<0.02	16	0.4	4.3	*	<2		
1389511	Drill Core	0.10	0.07	7.7	0.2	<0.05	1.7	5.87	12.2	<0.02	112	0.4	3.2	34	<2		
1389512	Drill Core	0.06	0.42	7.2	0.2	<0.05	1.2	7.14	31.1	<0.02	47	0.6	5.7	26	<2		
1389513	Drill Core	0.05	0.23	8.5	0.2	<0.05	1.1	6.19	30.3	<0.02	295	0.3	5.6	*	<2		
1389514	Drill Core	0.07	0.66	7.2	0.3	<0.05	1.5	5.45	24.1	<0.02	29	0.3	4.8	14	<2		
1389515	Drill Core	0.05	0.27	9.2	0.2	<0.05	1.0	5.78	26.0	<0.02	61	0.3	3.7	16	<2		
1389516	Drill Core	0.07	0.63	5.5	0.3	<0.05	1.4	6.32	26.7	<0.02	28	0.3	5.7	<10	<2		
1389517	Drill Core	0.11	0.46	8.7	0.3	<0.05	2.3	5.53	26.7	<0.02	34	0.7	4.4	<10	<2		
1389518	Drill Core	0.12	0.65	4.4	0.3	<0.05	2.0	4.93	25.5	<0.02	22	0.5	2.5	19	<2		
1389519	Drill Core	0.09	0.13	9.5	0.2	<0.05	1.8	5.81	29.0	<0.02	55	0.5	5.3	18	<2		
1389520	Drill Core	0.11	0.55	5.3	0.3	<0.05	1.9	6.77	33.3	<0.02	24	0.8	5.1	<10	<2		
1389521	Drill Core	0.08	0.56	5.7	0.3	<0.05	1.5	6.76	32.1	<0.02	27	0.5	4.9	13	<2		
1389522	Drill Core	0.03	0.04	10.7	0.1	<0.05	0.6	6.01	26.2	<0.02	31	0.9	10.0	25	<2		
1389523	Drill Core	0.06	0.08	9.9	0.2	<0.05	1.5	4.58	26.8	<0.02	13	0.6	4.4	36	<2		
1389524	Drill Core	0.03	0.03	8.3	0.1	<0.05	1.0	6.87	37.8	<0.02	10	0.7	4.1	<10	<2		
1389525	Drill Core	0.03	0.06	7.2	<0.1	<0.05	1.3	5.65	21.6	<0.02	69	0.3	1.0	<10	<2		
1389526	Rock	<0.02	0.06	0.7	<0.1	<0.05	<0.1	0.66	1.3	<0.02	<1	<0.1	0.6	<10	<2		

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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004393.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389527	Rock Pulp	0.09	341.0	3255	21.38	54.9	1735	28.5	8.2	426	3.09	13.8	0.4	829.7	1.1	33.1	0.35	3.60	0.53	48	0.63
1389528	Drill Core	6.96	17.24	29.23	15.27	59.0	347	1.4	2.1	910	1.24	10.3	2.1	5.3	5.7	274.3	0.79	2.43	0.58	10	1.38
1389529	Drill Core	5.08	13.22	33.04	7.45	32.2	166	1.3	2.1	706	1.32	11.5	3.0	8.6	5.7	244.6	0.22	0.98	0.64	10	1.65
1389530	Drill Core	3.08	1.68	24.23	9.01	64.1	118	12.5	17.4	866	3.93	3.6	0.8	19.9	3.1	284.9	0.12	1.36	0.08	60	3.76
1389531	Drill Core	7.30	285.9	51.57	20.88	46.3	1379	1.6	3.3	571	1.70	10.3	4.6	8.7	7.2	121.0	0.83	1.74	9.50	10	1.08
1389532	Drill Core	5.39	32.80	50.40	5.09	20.4	162	1.7	2.9	472	1.59	14.4	2.4	5.0	5.6	154.4	0.21	0.80	0.97	20	1.20
1389533	Drill Core	4.64	77.91	45.74	3.90	16.3	117	2.1	2.8	505	1.52	7.6	5.5	6.0	9.9	116.6	0.09	0.45	1.30	25	1.20
1389534	Drill Core	4.95	36.33	62.26	5.27	24.0	162	2.0	3.8	727	2.07	21.3	6.0	5.5	9.3	197.7	0.06	1.73	1.61	35	1.82
1389535	Drill Core	3.46	162.0	52.94	74.20	181.6	4266	1.2	3.8	751	3.08	121.3	6.2	1270	7.7	368.9	2.08	12.27	15.87	20	1.88
1389536	Drill Core	7.57	14.89	22.87	8.17	20.5	308	1.4	1.7	609	1.16	10.2	8.7	3.1	9.3	216.8	0.19	1.56	19.59	17	1.32
1389537	Drill Core	8.38	26.33	27.40	5.45	15.6	191	1.6	1.9	473	1.26	6.3	7.2	5.1	12.0	123.5	0.08	0.62	3.92	30	0.99
1389538	Drill Core	7.89	73.11	61.40	4.10	19.4	149	1.5	3.5	453	1.94	1.6	5.5	2.2	11.1	98.2	0.16	0.12	1.15	33	1.22
1389539	Drill Core	8.47	7.67	44.44	3.52	20.0	98	1.0	2.1	450	1.82	1.2	6.0	2.1	9.1	69.7	0.17	0.10	0.43	57	0.93
1389540	Drill Core	7.67	19.47	30.80	41.26	16.3	2336	0.9	1.6	615	1.38	3.3	7.3	4.3	10.5	92.4	0.16	1.41	9.79	43	0.93
1389541	Drill Core	8.27	39.44	69.61	9.75	23.0	301	1.0	4.6	936	2.35	13.3	6.6	4.6	10.5	243.8	0.24	1.00	3.83	66	1.72
1389542	Drill Core	4.42	173.4	95.20	139.3	21.0	9679	2.1	6.0	566	2.86	46.1	4.0	33.6	7.6	209.3	0.80	10.16	134.6	6	0.88
1389543	Drill Core	3.79	81.17	38.34	8.54	17.2	1061	2.2	3.3	562	1.60	22.4	5.3	11.7	8.0	372.1	0.22	3.69	1.74	6	1.95
1389544	Rock	0.19	0.42	0.77	1.73	10.9	19	0.3	0.7	220	0.43	0.9	0.4	0.5	0.2	41.4	0.08	0.03	0.16	<2	20.57
1389545	Rock Pulp	0.08	970.1	8689	44.03	155.8	3795	35.7	18.1	499	4.25	33.7	0.6	646.1	1.4	41.6	1.14	6.48	1.43	96	0.89
1389546	Drill Core	2.44	756.5	51.32	33.58	55.7	1498	3.0	4.2	702	1.83	47.1	5.3	14.9	5.7	229.5	0.79	3.04	7.63	5	1.41
1389547	Drill Core	5.66	108.8	77.32	18.62	25.2	860	4.4	6.2	836	2.56	39.2	6.0	12.3	9.1	281.6	0.23	2.51	4.47	18	1.55
1389548	Drill Core	7.37	168.6	39.41	19.31	46.2	736	2.1	3.0	749	1.60	14.1	5.4	4.8	7.9	234.8	0.94	1.73	4.20	15	1.51
1389549	Drill Core	2.48	158.6	35.17	12.68	34.4	366	2.9	2.8	949	1.41	14.2	5.4	3.2	8.7	283.0	0.58	1.15	0.96	13	1.86
1389550	Drill Core	3.85	171.8	62.15	52.33	842.8	1210	4.8	4.2	1349	2.08	15.4	4.8	7.9	7.9	212.5	16.63	1.29	2.68	20	1.93
1389551	Drill Core	3.23	208.4	59.63	17.21	87.5	540	2.9	3.5	909	1.93	10.0	5.6	5.0	10.1	209.3	1.84	1.02	1.55	12	1.44
1389552	Drill Core	6.15	179.6	54.94	9.59	29.6	273	3.1	3.3	596	1.70	3.7	5.0	3.0	8.2	174.1	0.36	0.51	0.94	21	1.46
1389553	Drill Core	7.58	48.74	48.30	5.65	16.9	134	2.2	3.1	516	1.57	2.5	4.9	1.6	8.6	169.2	0.12	0.84	0.85	24	1.76
1389554	Drill Core	7.92	48.86	49.24	13.00	29.8	362	2.7	3.5	444	1.70	25.1	4.9	4.9	8.8	215.9	0.20	1.04	0.98	20	1.76
1389555	Drill Core	8.45	125.5	40.72	63.74	125.3	815	1.5	3.1	750	1.53	15.8	4.3	7.5	6.8	240.2	1.74	1.04	1.05	9	1.70
1389556	Drill Core	8.21	101.0	49.88	17.73	33.0	710	1.6	3.1	786	1.71	11.5	4.3	6.6	8.0	210.6	0.49	1.28	2.96	21	1.68

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Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389527	Rock Pulp	0.054	4.8	32.0	0.54	110.5	0.099	6	1.15	0.082	0.10	0.9	3.4	0.07	0.39	79	1.0	0.23	4.4	0.38	<0.1
1389528	Drill Core	0.037	17.4	2.4	0.13	180.7	0.004	4	0.32	0.049	0.16	3.1	1.3	0.06	0.24	28	0.5	0.03	1.4	0.77	<0.1
1389529	Drill Core	0.033	18.2	3.6	0.23	118.4	0.006	3	0.28	0.049	0.13	2.3	1.2	0.05	0.47	17	0.6	0.02	1.3	0.83	<0.1
1389530	Drill Core	0.338	19.2	40.6	2.16	233.6	0.022	3	0.82	0.033	0.36	0.1	10.2	0.14	0.73	12	0.1	<0.02	3.0	4.98	<0.1
1389531	Drill Core	0.031	16.3	2.1	0.14	59.1	0.011	1	0.41	0.039	0.19	6.2	0.9	0.12	0.80	<5	0.9	0.60	1.7	0.57	<0.1
1389532	Drill Core	0.040	19.9	4.2	0.18	50.9	0.028	3	0.35	0.061	0.13	53.9	1.0	0.05	0.68	<5	0.9	<0.02	1.8	0.69	<0.1
1389533	Drill Core	0.035	24.9	2.9	0.21	43.4	0.048	<1	0.33	0.065	0.12	21.2	0.9	0.05	0.61	8	0.8	0.06	1.9	0.80	<0.1
1389534	Drill Core	0.049	27.3	4.3	0.27	67.4	0.048	1	0.47	0.058	0.14	9.5	1.3	0.06	0.81	<5	1.0	0.09	2.6	0.89	<0.1
1389535	Drill Core	0.029	9.5	2.2	0.16	39.7	0.005	4	0.31	0.036	0.17	1.9	1.1	0.08	2.35	16	1.3	0.41	1.4	0.58	<0.1
1389536	Drill Core	0.036	20.5	4.5	0.18	35.8	0.035	<1	0.33	0.066	0.13	1.9	0.9	0.04	0.37	9	0.4	0.24	2.0	0.56	<0.1
1389537	Drill Core	0.042	23.4	3.3	0.14	35.2	0.073	<1	0.31	0.077	0.11	1.5	0.7	0.03	0.41	<5	0.6	0.20	1.8	0.42	<0.1
1389538	Drill Core	0.045	24.2	5.3	0.20	32.6	0.070	<1	0.35	0.077	0.14	2.8	0.8	0.07	0.91	8	1.4	0.08	2.1	0.73	<0.1
1389539	Drill Core	0.049	21.5	3.4	0.09	33.4	0.097	<1	0.28	0.084	0.10	6.9	0.4	<0.02	0.63	16	0.8	<0.02	2.1	0.34	0.3
1389540	Drill Core	0.036	17.0	5.4	0.12	45.6	0.048	<1	0.28	0.065	0.13	6.1	0.5	0.03	0.48	<5	0.8	0.65	1.8	0.36	0.1
1389541	Drill Core	0.028	16.3	2.4	0.14	121.4	0.016	2	0.39	0.050	0.19	10.4	0.9	0.07	1.06	19	1.5	0.23	2.2	0.98	0.1
1389542	Drill Core	0.023	9.6	3.8	0.13	82.5	0.002	2	0.30	0.027	0.26	24.3	0.6	0.13	1.67	14	2.0	6.94	1.2	0.62	<0.1
1389543	Drill Core	0.034	12.3	2.3	0.23	40.2	<0.001	4	0.27	0.034	0.21	2.4	1.2	0.10	0.59	10	0.7	0.07	1.2	0.85	<0.1
1389544	Rock	0.014	1.5	0.9	11.03	12.7	<0.001	<1	0.02	<0.001	<0.01	0.1	0.3	<0.02	<0.02	<5	0.6	0.03	<0.1	0.07	<0.1
1389545	Rock Pulp	0.083	7.4	56.9	0.98	87.4	0.124	3	1.61	0.105	0.52	15.1	6.9	0.38	1.89	99	5.1	0.57	5.7	2.22	0.1
1389546	Drill Core	0.033	11.5	2.6	0.19	48.8	0.001	3	0.27	0.019	0.24	1.1	0.9	0.10	0.90	22	0.9	0.40	1.1	0.63	<0.1
1389547	Drill Core	0.034	17.3	6.6	0.35	79.0	0.006	2	0.32	0.025	0.22	>100	1.8	0.09	1.22	<5	1.4	0.36	1.5	0.87	<0.1
1389548	Drill Core	0.036	16.2	3.4	0.18	41.9	0.010	2	0.26	0.036	0.19	3.0	1.1	0.08	0.67	10	0.8	0.13	1.3	0.61	<0.1
1389549	Drill Core	0.035	17.2	5.0	0.24	45.7	0.010	1	0.28	0.033	0.20	11.5	1.3	0.08	0.54	10	0.6	0.03	1.4	0.73	<0.1
1389550	Drill Core	0.043	13.9	7.0	0.38	52.8	0.008	5	0.42	0.029	0.25	9.4	1.8	0.13	1.00	16	1.4	0.08	1.9	0.97	<0.1
1389551	Drill Core	0.043	12.0	4.6	0.27	52.4	0.006	2	0.34	0.022	0.23	1.6	1.3	0.10	0.92	11	0.8	0.08	1.6	0.65	<0.1
1389552	Drill Core	0.040	18.2	4.5	0.22	76.2	0.026	2	0.36	0.044	0.23	7.2	1.2	0.12	0.86	<5	1.0	0.13	1.9	1.01	<0.1
1389553	Drill Core	0.040	22.8	4.5	0.23	81.9	0.017	<1	0.39	0.047	0.19	13.0	1.2	0.11	0.66	9	0.9	0.08	2.2	1.08	<0.1
1389554	Drill Core	0.045	23.7	3.0	0.19	139.0	0.013	2	0.37	0.051	0.19	5.5	1.2	0.10	0.76	<5	0.9	0.10	2.0	1.12	<0.1
1389555	Drill Core	0.040	12.7	3.6	0.21	100.2	0.002	3	0.25	0.020	0.21	2.3	1.1	0.09	0.76	15	0.8	0.09	1.1	0.74	<0.1
1389556	Drill Core	0.037	16.5	2.5	0.23	77.6	0.011	4	0.30	0.030	0.24	4.9	1.0	0.11	0.81	<5	0.9	0.13	1.6	0.92	<0.1

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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004393.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
1389527	Rock Pulp	0.25	0.12	4.4	2.0	<0.05	7.5	7.13	10.7	<0.02	274	<0.1	9.5	31	<2		
1389528	Drill Core	0.04	0.13	7.5	0.2	<0.05	0.9	7.23	34.9	<0.02	11	0.3	2.1	*	2		
1389529	Drill Core	0.06	0.22	6.0	0.1	<0.05	1.0	7.04	32.3	<0.02	7	0.8	2.6	<10	<2		
1389530	Drill Core	0.10	0.05	20.7	0.3	<0.05	5.6	9.01	46.3	0.03	<1	1.5	18.4	<10	<2		
1389531	Drill Core	0.06	0.26	10.5	0.2	<0.05	1.4	4.93	27.4	<0.02	121	0.3	5.5	*	<2		
1389532	Drill Core	0.06	0.62	7.6	0.3	<0.05	1.6	7.27	36.6	<0.02	12	0.1	4.3	*	<2		
1389533	Drill Core	0.20	1.32	7.6	0.4	<0.05	2.5	6.96	40.6	<0.02	55	0.2	6.6	<10	2		
1389534	Drill Core	0.20	0.96	8.3	0.5	<0.05	3.0	10.82	49.7	<0.02	11	0.5	7.7	<10	<2		
1389535	Drill Core	0.10	0.34	9.1	0.4	<0.05	2.3	6.23	18.1	<0.02	101	0.4	3.3	<10	<2		
1389536	Drill Core	0.14	0.85	6.4	0.4	<0.05	2.2	6.29	34.3	<0.02	5	0.5	5.6	<10	<2		
1389537	Drill Core	0.17	2.06	4.8	0.7	<0.05	3.5	8.04	41.2	<0.02	14	0.4	3.7	<10	<2		
1389538	Drill Core	0.18	1.84	9.3	0.6	<0.05	2.7	7.76	42.0	<0.02	28	0.2	7.2	<10	<2		
1389539	Drill Core	0.25	3.30	4.2	0.8	<0.05	4.5	8.90	40.6	<0.02	10	<0.1	4.0	<10	<2		
1389540	Drill Core	0.22	1.52	5.5	0.7	<0.05	3.8	6.47	30.0	<0.02	12	<0.1	3.9	<10	2		
1389541	Drill Core	0.18	0.53	9.7	0.9	<0.05	3.2	8.43	28.5	0.03	19	0.8	4.7	<10	<2		
1389542	Drill Core	0.04	0.06	14.8	1.4	<0.05	1.3	4.11	17.4	<0.02	89	0.1	3.9	<10	<2		
1389543	Drill Core	0.03	0.03	11.0	0.1	<0.05	1.2	5.14	23.7	<0.02	54	0.5	2.6	11	<2		
1389544	Rock	<0.02	0.04	0.3	<0.1	<0.05	<0.1	0.69	1.3	<0.02	1	<0.1	0.4	<10	<2		
1389545	Rock Pulp	0.12	0.08	28.4	1.6	<0.05	5.0	9.51	16.1	<0.02	866	0.3	7.9	110	<2		
1389546	Drill Core	0.04	0.03	12.8	0.2	<0.05	1.2	4.22	19.1	<0.02	361	0.2	3.6	40	3		
1389547	Drill Core	0.09	0.11	13.9	0.2	<0.05	1.7	5.54	28.1	<0.02	53	0.5	7.3	<10	3	0.010	0.014
1389548	Drill Core	0.07	0.28	10.4	0.2	<0.05	1.7	5.33	26.4	<0.02	92	0.5	3.9	<10	<2		
1389549	Drill Core	0.08	0.28	12.9	0.2	<0.05	1.7	5.98	29.6	<0.02	51	0.6	4.5	12	3		
1389550	Drill Core	0.05	0.11	17.1	0.3	<0.05	1.8	7.15	23.6	<0.02	95	<0.1	7.9	<10	<2		
1389551	Drill Core	0.09	0.11	13.7	0.3	<0.05	1.6	4.93	22.3	<0.02	86	0.4	5.9	<10	<2		
1389552	Drill Core	0.10	0.88	16.4	0.4	<0.05	2.4	6.39	32.1	<0.02	95	0.4	7.0	<10	<2		
1389553	Drill Core	0.13	0.39	14.4	0.3	<0.05	2.0	8.41	40.6	<0.02	42	0.4	8.5	<10	<2		
1389554	Drill Core	0.10	0.26	12.1	0.2	<0.05	1.5	8.25	43.9	<0.02	72	0.5	5.5	<10	<2		
1389555	Drill Core	0.09	0.07	12.2	0.2	<0.05	1.5	5.20	23.0	<0.02	65	<0.1	2.1	<10	4		
1389556	Drill Core	0.08	0.31	16.0	0.3	<0.05	2.0	6.23	29.8	<0.02	69	0.2	4.1	<10	5		

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Project: Stewart
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CERTIFICATE OF ANALYSIS VAN11004393.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389557	Drill Core	4.16	99.17	50.29	24.53	51.2	483	1.5	3.2	576	1.61	23.2	4.5	11.4	7.5	263.3	0.42	1.56	0.97	12	1.71
1389558	Drill Core	3.25	113.6	48.42	16.29	25.6	796	2.5	3.8	768	1.80	19.2	4.2	19.7	6.8	311.2	0.29	3.10	1.07	15	2.16
1389559	Drill Core	3.31	112.7	44.49	13.06	21.1	476	1.2	3.2	534	1.52	14.0	3.8	9.5	7.2	276.3	0.30	4.99	1.04	10	1.77
1389560	Drill Core	4.46	150.2	65.12	263.3	148.0	4100	2.0	5.4	721	2.28	64.9	4.4	68.1	5.4	247.6	2.62	5.24	19.13	5	1.31
1389561	Drill Core	6.84	170.6	58.75	12.00	14.4	404	2.2	3.0	565	1.87	13.9	5.5	8.7	7.9	191.2	0.11	1.01	1.42	18	1.07
1389562	Drill Core	5.63	6.26	36.25	8.58	149.4	245	19.0	21.1	807	4.50	3.8	1.4	24.4	3.1	157.2	1.31	2.37	0.28	80	1.66
1389563	Drill Core	6.17	14.52	45.19	11.79	58.1	288	12.0	11.6	760	2.91	11.7	2.7	28.8	6.7	117.3	0.64	3.88	0.89	40	1.07
1389564	Drill Core	8.52	33.93	89.39	7.61	57.6	290	16.9	9.2	849	2.70	10.3	5.9	10.4	11.4	145.1	0.47	0.82	2.57	63	2.10
1389565	Drill Core	8.25	83.44	83.29	11.39	37.8	586	10.4	7.7	976	2.63	20.6	5.4	15.1	8.8	219.5	0.28	2.32	7.04	52	2.17
1389566	Drill Core	5.54	21.45	64.40	17.58	65.1	452	10.5	5.5	1082	2.32	29.6	3.2	11.7	5.9	185.1	1.20	4.36	2.06	32	1.63
1389567	Rock	0.24	0.13	1.19	1.04	14.7	7	2.1	0.5	231	0.41	3.5	0.8	<0.2	<0.1	41.8	0.04	<0.02	<0.02	<2	22.92
1389568	Rock Pulp	0.08	344.2	3298	21.21	55.0	1715	26.6	7.9	420	2.97	13.2	0.3	814.8	1.0	35.2	0.39	3.44	0.54	47	0.58
1389569	Drill Core	3.04	137.2	96.01	8.13	79.9	470	38.3	12.4	1213	3.20	4.5	3.2	7.7	2.5	189.0	0.37	0.71	2.24	94	2.84
1389570	Drill Core	4.77	36.94	84.10	166.6	468.1	4678	18.4	6.8	1445	2.72	58.8	2.6	46.1	4.4	241.3	12.21	22.27	82.37	36	2.27
1389571	Drill Core	6.70	40.43	79.01	9.61	75.6	354	27.1	8.8	929	2.36	23.0	5.6	8.1	7.7	198.7	2.07	3.67	1.51	58	2.01
1389572	Drill Core	8.28	13.30	50.15	23.47	41.4	1472	11.8	5.4	959	2.11	0.6	4.7	13.1	7.2	154.2	0.48	0.21	7.29	59	1.92
1389573	Drill Core	4.64	32.17	116.4	16.32	82.9	1235	17.9	10.5	1832	3.81	1.4	4.8	21.8	6.4	157.2	1.80	0.70	63.17	58	2.09
1389574	Drill Core	5.16	52.36	54.86	9.99	50.2	323	15.4	6.4	1324	2.40	2.1	3.8	12.7	5.5	142.5	0.49	0.17	2.31	72	2.39
1389575	Drill Core	7.88	27.78	68.19	15.61	90.3	647	14.9	7.0	937	2.65	12.0	4.9	14.0	8.4	116.2	1.53	2.38	5.19	51	1.07
1389576	Drill Core	8.03	30.39	75.00	50.91	134.9	3283	15.4	7.5	904	2.77	130.0	4.8	53.1	10.0	286.4	2.44	3.82	28.50	44	2.11
1389577	Drill Core	7.64	42.96	59.95	20.61	194.9	1907	17.3	8.0	1050	2.72	112.2	4.3	21.5	7.5	483.5	3.99	12.32	2.74	21	2.93
1389578	Drill Core	5.44	44.35	206.1	100.1	182.3	6438	38.8	14.4	1678	6.23	243.6	7.1	65.1	5.9	220.6	4.16	21.41	69.85	62	1.66
1389579	Drill Core	3.07	47.63	184.6	213.4	185.9	16936	28.7	11.0	1485	5.96	70.8	13.3	104.9	11.7	241.3	3.55	8.18	166.9	29	1.65
1389580	Drill Core	5.32	62.68	114.0	37.88	376.8	1541	14.0	5.9	1268	3.46	27.9	8.5	86.1	8.0	202.7	9.14	2.36	6.43	18	1.40
1389581	Drill Core	8.50	44.56	162.8	253.5	55.2	22585	23.7	7.7	1723	4.87	27.8	7.5	205.1	7.7	250.6	1.77	10.57	287.4	44	1.74
1389582	Drill Core	8.17	224.3	95.84	31.80	57.0	2209	16.0	6.0	1640	3.13	5.7	5.9	45.5	7.6	294.8	1.02	1.16	19.84	37	2.13
1389583	Drill Core	8.71	19.40	77.75	32.92	42.3	2278	11.1	5.6	954	2.62	2.8	5.8	18.8	8.6	162.8	0.63	0.69	21.92	37	1.49
1389584	Drill Core	8.64	34.98	69.40	21.29	89.2	1193	20.5	7.2	1530	2.53	114.7	5.0	11.2	6.7	289.9	1.64	2.46	5.36	53	2.95
1389585	Drill Core	3.08	32.54	105.5	5.42	37.7	262	25.5	9.8	953	2.96	120.8	4.1	11.3	5.8	200.7	0.19	2.45	2.71	67	3.00
1389586	Rock	0.26	0.05	1.74	1.04	17.1	9	0.9	0.7	226	0.43	2.7	0.4	<0.2	<0.1	43.9	0.08	0.06	0.05	<2	23.18

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	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389557	Drill Core	0.040	17.0	3.9	0.24	94.6	0.007	5	0.26	0.031	0.21	4.4	1.2	0.10	0.81	<5	0.6	0.07	1.2	0.92	<0.1
1389558	Drill Core	0.045	15.4	3.4	0.35	56.0	0.006	5	0.29	0.033	0.21	2.3	1.8	0.10	0.80	<5	0.9	0.02	1.4	1.01	<0.1
1389559	Drill Core	0.039	15.7	1.9	0.23	72.2	0.006	3	0.30	0.040	0.23	18.0	1.1	0.10	0.82	8	0.7	0.09	1.3	0.81	<0.1
1389560	Drill Core	0.035	9.4	1.8	0.21	63.1	0.001	4	0.27	0.024	0.22	10.9	1.2	0.11	1.75	<5	1.7	0.48	1.0	0.66	<0.1
1389561	Drill Core	0.040	17.9	2.2	0.21	102.0	0.019	3	0.36	0.034	0.22	73.2	1.0	0.11	0.96	67	1.2	0.06	1.6	0.76	<0.1
1389562	Drill Core	0.344	22.1	55.9	1.25	500.0	0.079	2	1.39	0.038	0.47	2.1	12.8	0.27	0.24	<5	0.4	<0.02	4.5	5.84	<0.1
1389563	Drill Core	0.185	21.4	21.1	0.52	385.7	0.016	5	0.81	0.034	0.29	3.9	6.0	0.17	0.30	<5	0.6	<0.02	2.5	3.58	<0.1
1389564	Drill Core	0.099	13.3	11.4	0.50	61.7	0.059	1	0.64	0.059	0.22	33.6	2.6	0.14	1.10	15	1.9	0.08	3.0	2.69	0.2
1389565	Drill Core	0.079	17.9	11.9	0.55	47.5	0.043	2	0.54	0.044	0.29	12.6	3.1	0.24	1.17	<5	1.7	0.32	3.0	2.54	<0.1
1389566	Drill Core	0.052	13.0	11.5	0.39	69.8	0.015	6	0.40	0.025	0.28	5.9	2.9	0.17	0.78	<5	1.2	0.10	1.8	1.65	<0.1
1389567	Rock	0.016	<0.5	<0.5	11.53	11.3	<0.001	1	<0.01	0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	0.3	0.04	<0.1	0.04	<0.1
1389568	Rock Pulp	0.048	5.0	29.7	0.55	121.8	0.100	5	1.19	0.080	0.10	0.9	3.5	0.07	0.38	49	1.2	0.09	4.2	0.37	<0.1
1389569	Drill Core	0.114	7.5	37.8	0.53	84.5	0.068	2	1.19	0.099	0.22	44.2	4.3	0.12	1.31	27	2.4	0.24	3.9	1.36	0.1
1389570	Drill Core	0.059	10.2	14.7	0.44	76.0	0.017	4	0.42	0.028	0.23	6.6	3.5	0.15	0.95	<5	2.2	1.61	1.8	1.46	<0.1
1389571	Drill Core	0.069	15.1	18.7	0.47	46.8	0.055	3	0.49	0.034	0.27	18.2	3.1	0.16	1.18	<5	2.5	0.12	2.2	1.55	<0.1
1389572	Drill Core	0.055	13.0	23.3	0.48	48.5	0.050	<1	0.62	0.059	0.33	33.7	2.8	0.23	0.75	8	1.1	0.48	2.8	2.18	0.2
1389573	Drill Core	0.054	11.1	29.0	0.66	73.8	0.038	2	0.49	0.021	0.38	17.7	3.6	0.32	1.97	<5	2.8	0.65	2.9	3.14	<0.1
1389574	Drill Core	0.051	11.9	24.3	0.39	37.0	0.045	<1	0.65	0.042	0.26	21.3	3.1	0.15	0.83	7	1.5	0.14	3.2	1.19	0.2
1389575	Drill Core	0.053	16.6	25.0	0.51	161.5	0.032	1	0.71	0.039	0.32	48.8	4.1	0.21	0.79	6	1.1	0.31	2.7	2.92	<0.1
1389576	Drill Core	0.059	12.4	17.8	0.58	57.5	0.027	4	0.53	0.028	0.26	13.5	3.5	0.16	1.33	<5	2.2	1.09	2.4	1.69	<0.1
1389577	Drill Core	0.063	10.1	10.9	0.62	57.3	0.003	7	0.38	0.020	0.25	3.2	5.0	0.13	0.78	<5	1.5	0.25	1.4	1.23	<0.1
1389578	Drill Core	0.101	11.0	20.1	0.67	39.3	0.013	2	0.44	0.005	0.29	52.7	4.5	0.17	3.17	16	3.6	2.88	2.0	1.18	<0.1
1389579	Drill Core	0.107	12.9	10.2	0.56	45.1	0.004	3	0.53	0.006	0.30	37.1	3.2	0.18	3.56	10	4.0	2.88	2.0	0.70	<0.1
1389580	Drill Core	0.067	16.3	6.4	0.40	38.8	0.007	3	0.29	0.023	0.20	20.2	2.2	0.10	1.77	<5	2.0	0.48	1.4	0.57	<0.1
1389581	Drill Core	0.072	12.4	17.4	0.66	44.1	0.015	<1	0.44	0.013	0.34	34.2	4.3	0.22	2.68	<5	3.9	4.32	2.4	1.44	<0.1
1389582	Drill Core	0.054	13.5	15.6	0.63	51.3	0.015	5	0.44	0.023	0.33	28.7	3.6	0.20	1.50	10	1.6	0.57	2.3	1.69	<0.1
1389583	Drill Core	0.062	18.2	9.9	0.39	36.5	0.051	<1	0.41	0.045	0.19	16.7	2.0	0.11	1.18	<5	1.7	1.28	2.2	0.91	<0.1
1389584	Drill Core	0.069	12.3	19.6	0.47	49.6	0.035	2	0.51	0.036	0.26	12.4	3.6	0.15	1.01	<5	1.8	0.10	2.4	1.38	<0.1
1389585	Drill Core	0.076	11.2	30.5	0.61	42.9	0.042	<1	0.56	0.038	0.27	0.7	3.6	0.26	1.42	10	2.4	0.13	2.5	2.75	<0.1
1389586	Rock	0.023	0.5	<0.5	11.65	14.3	<0.001	<1	0.02	0.002	0.02	<0.1	0.1	<0.02	<0.02	<5	0.3	<0.02	<0.1	0.15	<0.1

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004393.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
1389557	Drill Core	0.06	0.23	12.6	0.1	<0.05	1.5	6.28	32.7	<0.02	58	0.5	3.6	<10	<2		
1389558	Drill Core	0.08	0.19	13.3	0.2	<0.05	1.5	6.03	29.2	<0.02	45	0.5	3.7	12	6		
1389559	Drill Core	0.09	0.18	12.2	0.2	<0.05	1.6	5.43	31.3	<0.02	49	0.2	3.4	31	<2		
1389560	Drill Core	0.08	0.04	10.7	0.2	<0.05	1.2	3.81	19.4	<0.02	63	0.4	2.4	12	<2		
1389561	Drill Core	0.12	0.40	12.7	0.5	<0.05	2.1	5.44	33.4	<0.02	75	0.4	5.6	24	<2		
1389562	Drill Core	0.16	0.06	34.0	0.5	<0.05	6.8	11.11	56.1	0.05	<1	2.4	22.9	<10	<2		
1389563	Drill Core	0.18	0.05	21.3	0.4	<0.05	5.1	7.75	45.8	0.02	8	1.4	15.3	<10	<2		
1389564	Drill Core	0.16	0.53	17.5	0.4	<0.05	3.1	7.85	25.1	<0.02	27	0.6	15.3	<10	<2		
1389565	Drill Core	0.18	0.58	28.3	0.4	<0.05	3.1	8.46	30.3	<0.02	46	0.4	16.3	13	<2		
1389566	Drill Core	0.14	0.23	21.5	0.5	<0.05	2.3	6.28	25.5	0.02	13	0.3	9.9	<10	<2		
1389567	Rock	<0.02	<0.02	0.3	<0.1	<0.05	<0.1	0.63	0.9	<0.02	<1	<0.1	0.7	<10	<2		
1389568	Rock Pulp	0.24	0.11	4.3	1.9	<0.05	7.4	7.37	11.1	<0.02	311	0.2	8.9	*	<2		
1389569	Drill Core	0.19	0.17	18.6	0.6	<0.05	3.8	8.68	13.8	<0.02	90	0.4	19.4	23	<2		
1389570	Drill Core	0.14	0.14	17.1	0.2	<0.05	2.4	7.50	19.4	0.04	11	0.4	8.9	<10	<2		
1389571	Drill Core	0.14	0.54	23.1	0.4	<0.05	3.1	7.91	25.9	<0.02	46	0.5	14.5	<10	<2		
1389572	Drill Core	0.17	0.47	31.1	0.6	<0.05	3.9	6.21	22.9	<0.02	9	0.3	18.3	<10	<2		
1389573	Drill Core	0.20	0.40	42.3	0.6	<0.05	3.4	9.47	20.2	0.03	19	0.3	21.4	<10	<2		
1389574	Drill Core	0.16	0.29	19.1	0.8	<0.05	4.5	6.14	21.8	0.02	56	0.6	10.1	<10	<2		
1389575	Drill Core	0.15	0.21	28.8	0.4	<0.05	3.0	7.02	26.0	0.02	11	0.6	18.0	<10	<2		
1389576	Drill Core	0.20	0.18	19.2	0.3	<0.05	3.3	6.49	21.8	<0.02	15	0.6	13.7	<10	<2		
1389577	Drill Core	0.08	0.04	15.0	0.2	<0.05	1.7	7.30	17.8	0.03	45	0.3	5.1	<10	<2		
1389578	Drill Core	0.14	0.13	23.1	0.6	<0.05	2.8	8.66	17.8	0.03	19	0.2	14.9	<10	<2		
1389579	Drill Core	0.10	0.03	19.9	0.4	<0.05	3.0	7.20	21.4	0.04	32	<0.1	11.3	<10	<2		
1389580	Drill Core	0.10	0.22	13.3	0.3	<0.05	1.9	6.69	26.0	<0.02	49	0.2	6.2	<10	<2		
1389581	Drill Core	0.15	0.27	28.7	0.6	<0.05	3.3	6.66	22.0	0.02	24	0.2	18.1	<10	<2		
1389582	Drill Core	0.14	0.21	30.2	0.5	<0.05	2.8	6.77	23.7	<0.02	269	0.4	16.3	<10	<2		
1389583	Drill Core	0.16	1.47	15.3	0.5	<0.05	3.5	7.53	32.1	0.02	9	0.4	10.7	<10	<2		
1389584	Drill Core	0.18	0.35	20.8	0.7	<0.05	3.8	9.14	20.8	0.02	25	0.3	13.2	<10	<2		
1389585	Drill Core	0.15	0.18	28.2	0.3	<0.05	2.7	7.05	18.9	<0.02	13	0.5	20.9	<10	<2		
1389586	Rock	<0.02	0.02	0.8	<0.1	<0.05	<0.1	0.71	1.2	<0.02	<1	<0.1	1.0	<10	<2		

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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004393.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389587	Rock Pulp	0.08	936.6	8679	42.93	149.6	3751	34.2	18.3	494	4.19	32.6	0.6	619.4	1.5	44.1	1.28	6.69	1.48	91	0.87
1389588	Drill Core	5.72	77.96	71.35	8.60	41.4	292	20.4	7.6	978	2.43	25.1	4.3	7.7	6.4	197.9	0.41	1.58	1.84	44	2.37
1389589	Drill Core	8.76	54.65	84.35	11.94	39.2	420	19.1	8.8	1109	2.59	1.7	4.4	8.3	5.9	192.4	0.44	0.22	4.06	44	2.60
1389590	Drill Core	8.67	34.68	120.2	40.07	240.6	2661	22.3	12.7	1081	3.61	90.5	3.0	12.3	4.3	341.5	1.78	2.86	20.16	43	3.01
1389591	Drill Core	8.67	88.51	77.79	29.73	159.3	1480	14.9	7.1	1178	2.80	41.4	3.3	15.5	5.0	336.6	2.57	2.97	6.55	31	2.65
1389592	Drill Core	8.89	97.64	137.3	33.73	138.4	3271	23.0	7.8	1688	4.37	70.5	3.7	33.0	4.0	377.5	2.35	4.84	22.31	42	2.56
1389593	Drill Core	8.29	61.51	88.15	84.65	68.0	7040	11.1	5.2	2062	3.48	47.0	4.6	184.2	6.5	414.6	1.56	11.94	94.03	17	2.27
1389594	Drill Core	4.77	41.69	70.84	5.41	44.1	311	20.8	8.3	738	2.36	5.3	2.4	2.7	4.2	124.9	0.37	0.87	1.02	60	1.60
1389595	Drill Core	3.62	106.1	117.2	14.66	62.0	908	39.8	8.9	1548	4.19	19.2	8.4	11.7	4.3	183.2	0.53	4.74	2.87	82	2.80
1389596	Drill Core	8.11	196.2	69.86	31.11	81.0	827	18.6	6.4	1794	2.52	6.0	3.3	3.4	4.0	268.0	1.69	0.85	1.77	40	2.69
1389597	Drill Core	8.39	142.5	129.3	33.11	46.7	2628	14.0	5.4	1511	3.79	15.9	5.1	177.5	6.7	219.1	1.00	1.10	21.27	25	1.56
1389598	Drill Core	7.81	89.76	52.82	19.24	65.4	704	7.7	3.7	1740	1.96	4.6	5.8	4.5	8.0	223.1	1.43	0.61	3.79	23	1.74

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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004393.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389587	Rock Pulp	0.079	7.7	56.5	1.03	85.4	0.128	4	1.62	0.101	0.52	15.8	7.2	0.41	1.91	107	5.6	0.65	5.7	2.28	<0.1
1389588	Drill Core	0.064	10.2	25.5	0.53	41.6	0.042	<1	0.55	0.038	0.24	7.5	2.7	0.18	1.06	<5	1.7	0.24	2.4	1.74	<0.1
1389589	Drill Core	0.066	9.0	25.0	0.54	46.6	0.035	<1	0.59	0.047	0.29	20.1	3.2	0.22	1.21	<5	2.1	0.13	2.5	2.08	<0.1
1389590	Drill Core	0.103	9.3	9.8	0.73	50.0	0.013	3	0.64	0.037	0.20	1.3	5.6	0.12	1.59	<5	2.6	1.02	2.5	2.18	<0.1
1389591	Drill Core	0.057	9.3	15.9	0.59	45.4	0.010	4	0.44	0.026	0.24	2.9	4.1	0.14	1.12	<5	1.6	0.33	1.9	1.55	<0.1
1389592	Drill Core	0.084	8.1	17.2	0.66	45.1	0.012	3	0.45	0.018	0.27	16.0	5.0	0.14	2.10	<5	2.6	1.01	2.0	1.31	<0.1
1389593	Drill Core	0.062	9.0	8.2	0.59	59.8	0.003	4	0.39	0.017	0.28	4.9	3.3	0.15	1.62	<5	2.0	3.07	1.6	0.88	<0.1
1389594	Drill Core	0.078	13.5	17.9	0.38	29.6	0.063	<1	0.54	0.048	0.17	3.7	3.1	0.09	0.98	<5	2.0	0.15	2.3	0.77	<0.1
1389595	Drill Core	0.079	9.9	48.1	0.67	29.8	0.023	1	0.66	0.020	0.34	24.2	4.7	0.24	2.08	6	2.6	0.24	2.9	2.08	<0.1
1389596	Drill Core	0.063	6.0	18.0	0.60	46.6	0.022	1	0.60	0.026	0.37	2.7	3.5	0.22	1.12	22	1.8	0.20	2.4	1.46	<0.1
1389597	Drill Core	0.044	9.4	9.6	0.36	43.3	0.008	<1	0.39	0.020	0.27	9.7	2.4	0.15	1.99	9	1.9	0.96	1.9	0.95	<0.1
1389598	Drill Core	0.041	9.1	8.4	0.31	63.6	0.011	1	0.38	0.024	0.30	60.7	2.3	0.15	0.76	31	0.9	0.38	1.7	0.86	<0.1

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CERTIFICATE OF ANALYSIS VAN11004393.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
1389587	Rock Pulp	0.14	0.09	27.7	1.6	<0.05	5.1	9.96	16.8	<0.02	961	0.5	9.4	*	<2		
1389588	Drill Core	0.14	0.28	22.4	0.3	<0.05	2.8	6.37	18.0	<0.02	41	0.4	14.5	<10	<2		
1389589	Drill Core	0.14	0.20	27.2	0.3	<0.05	2.5	6.64	16.4	<0.02	42	0.2	16.3	<10	<2		
1389590	Drill Core	0.08	0.07	16.0	0.2	<0.05	2.3	8.74	17.7	0.02	48	0.7	14.3	<10	<2		
1389591	Drill Core	0.10	0.09	17.5	0.2	<0.05	1.8	6.24	17.1	<0.02	52	0.7	10.5	<10	<2		
1389592	Drill Core	0.10	0.09	19.4	0.2	<0.05	2.5	7.55	13.9	0.03	64	0.1	9.6	<10	<2		
1389593	Drill Core	0.07	0.03	18.4	0.2	<0.05	1.9	6.75	15.7	0.03	33	<0.1	6.1	<10	<2		
1389594	Drill Core	0.13	0.58	12.3	0.3	<0.05	2.5	6.97	23.6	<0.02	25	0.6	10.6	<10	<2		
1389595	Drill Core	0.15	0.21	30.6	0.5	<0.05	3.0	10.53	17.2	<0.02	59	0.4	16.2	28	<2		
1389596	Drill Core	0.08	0.11	30.1	0.4	<0.05	1.8	6.68	10.5	<0.02	125	0.5	14.9	30	<2		
1389597	Drill Core	0.08	0.13	19.9	0.3	<0.05	1.9	5.07	15.9	<0.02	63	0.4	8.3	14	<2		
1389598	Drill Core	0.11	0.21	20.7	0.4	<0.05	2.3	5.68	16.4	0.03	56	0.3	6.9	<10	<2		

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QUALITY CONTROL REPORT VAN11004393.2

	Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	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																					
1389438	Drill Core	5.83	869.0	90.39	6.10	79.2	415	33.9	13.3	1354	3.49	6.5	2.9	10.4	3.0	76.3	0.59	0.53	1.81	132	2.03
REP 1389438	QC		828.6	85.19	5.88	74.9	392	30.5	12.1	1287	3.32	6.5	2.9	11.4	2.9	74.9	0.69	0.54	1.77	128	1.95
1389450	Drill Core	2.29	>2000	64.42	40.33	31.2	1815	2.0	3.9	452	1.97	16.6	4.1	32.0	7.6	68.8	1.10	1.77	5.71	5	0.15
REP 1389450	QC																				
1389453	Drill Core	6.51	155.9	67.31	105.2	546.2	3572	3.5	4.3	806	2.35	50.9	3.2	274.2	5.1	150.6	11.49	7.35	17.26	12	1.08
REP 1389453	QC		153.6	67.40	116.2	551.9	3710	4.1	4.3	799	2.33	51.4	3.3	278.6	5.4	150.8	11.82	7.59	18.94	12	1.10
1389457	Drill Core	4.75	103.6	92.64	9.85	30.2	722	9.4	5.2	831	2.39	61.8	4.8	19.3	9.4	189.9	0.38	4.26	1.04	17	1.31
REP 1389457	QC																				
1389472	Drill Core	8.20	124.0	39.55	17.74	40.1	307	0.7	2.4	414	1.40	11.1	3.9	11.7	7.9	150.6	0.44	0.36	1.14	16	1.03
REP 1389472	QC		122.8	40.89	17.36	39.4	301	10.1	2.5	423	1.42	10.9	4.0	5.8	8.0	153.6	0.41	0.36	1.11	16	1.02
1389486	Rock	0.18	4.21	0.78	1.46	16.2	15	3.9	1.0	241	0.45	0.8	0.5	21.7	0.2	50.1	0.13	0.13	0.05	2	18.71
REP 1389486	QC		3.90	0.89	1.41	14.5	10	4.0	0.8	234	0.45	0.4	0.4	15.8	0.1	48.8	0.09	0.07	0.03	2	17.44
1389489	Drill Core	8.47	24.40	58.49	7.22	111.6	186	1.6	3.8	561	1.68	6.5	4.2	5.0	6.0	154.8	3.20	0.51	0.71	18	1.22
REP 1389489	QC																				
1389495	Drill Core	7.36	31.78	34.18	10.94	79.2	334	1.2	2.2	462	1.20	2.0	2.4	1.6	4.9	148.3	1.81	0.16	0.84	19	1.17
REP 1389495	QC		32.90	35.71	11.23	80.1	319	0.9	2.3	497	1.25	1.9	2.7	1.8	5.0	152.3	1.85	0.16	0.86	19	1.21
1389513	Drill Core	3.49	586.9	56.97	9.08	10.6	547	1.2	3.6	457	1.64	7.2	4.6	10.3	6.8	183.7	0.14	0.47	3.85	14	1.62
REP 1389513	QC		589.0	58.95	9.20	10.2	565	1.2	3.7	449	1.65	7.8	4.5	10.5	6.4	192.5	0.08	0.45	3.90	14	1.63
1389538	Drill Core	7.89	73.11	61.40	4.10	19.4	149	1.5	3.5	453	1.94	1.6	5.5	2.2	11.1	98.2	0.16	0.12	1.15	33	1.22
REP 1389538	QC		71.06	62.43	4.33	19.0	144	1.4	3.7	468	1.90	1.6	5.9	3.9	11.6	102.8	0.12	0.12	1.22	32	1.19
1389556	Drill Core	8.21	101.0	49.88	17.73	33.0	710	1.6	3.1	786	1.71	11.5	4.3	6.6	8.0	210.6	0.49	1.28	2.96	21	1.68
REP 1389556	QC		102.4	51.57	18.41	36.1	732	1.8	3.2	816	1.73	12.3	4.5	7.4	8.3	217.8	0.57	1.24	3.13	22	1.71
1389572	Drill Core	8.28	13.30	50.15	23.47	41.4	1472	11.8	5.4	959	2.11	0.6	4.7	13.1	7.2	154.2	0.48	0.21	7.29	59	1.92
REP 1389572	QC		13.00	50.59	23.54	40.5	1414	10.7	5.1	944	2.07	0.5	4.9	9.3	7.1	151.4	0.44	0.21	7.35	58	1.95
1389579	Drill Core	3.07	47.63	184.6	213.4	185.9	16936	28.7	11.0	1485	5.96	70.8	13.3	104.9	11.7	241.3	3.55	8.18	166.9	29	1.65
REP 1389579	QC		46.87	182.1	212.0	177.5	15993	28.4	10.4	1403	5.71	69.1	12.9	134.3	11.2	226.7	3.41	8.08	161.3	27	1.64
Core Reject Duplicates																					
1389475	Drill Core	7.85	49.74	50.33	27.80	42.4	1248	1.6	3.3	583	1.59	25.3	3.9	10.1	6.3	201.0	0.88	1.76	4.44	12	1.30

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Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

QUALITY CONTROL REPORT VAN11004393.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
Pulp Duplicates																					
1389438	Drill Core	0.103	8.8	58.2	0.61	72.7	0.092	1	1.34	0.073	0.24	12.1	5.8	0.13	0.85	6	2.1	0.23	4.4	1.68	0.3
REP 1389438	QC	0.102	8.6	55.8	0.58	68.5	0.090	2	1.29	0.068	0.23	11.4	5.6	0.13	0.81	<5	1.8	0.04	4.3	1.59	0.3
1389450	Drill Core	0.037	12.6	2.2	0.04	80.8	0.001	4	0.33	0.018	0.24	3.7	1.1	0.12	1.08	14	1.2	0.37	1.0	0.44	<0.1
REP 1389450	QC																				
1389453	Drill Core	0.039	10.6	5.8	0.23	79.0	0.005	4	0.44	0.027	0.33	10.5	1.2	0.11	1.33	18	1.4	0.69	1.6	0.71	<0.1
REP 1389453	QC	0.039	11.1	6.3	0.23	82.5	0.004	4	0.44	0.025	0.32	11.3	1.3	0.12	1.34	20	1.4	0.68	1.6	0.73	<0.1
1389457	Drill Core	0.024	11.3	7.2	0.30	73.9	0.019	3	0.30	0.039	0.22	>100	1.5	0.07	1.43	<5	1.6	0.12	1.5	0.59	<0.1
REP 1389457	QC																				
1389472	Drill Core	0.034	18.4	2.9	0.14	121.6	0.034	2	0.40	0.073	0.18	1.3	0.7	0.06	0.68	<5	0.8	0.09	1.7	0.53	0.1
REP 1389472	QC	0.033	18.4	6.4	0.14	122.1	0.034	2	0.39	0.071	0.18	1.3	0.7	0.06	0.68	<5	0.8	0.09	1.7	0.52	<0.1
1389486	Rock	0.020	0.7	3.4	11.92	16.4	0.002	1	0.04	0.003	0.02	0.2	0.3	<0.02	<0.02	<5	0.2	0.05	0.1	0.10	<0.1
REP 1389486	QC	0.020	0.6	3.2	11.44	14.8	0.002	1	0.04	0.003	0.02	0.2	0.3	<0.02	0.03	<5	0.2	0.03	0.1	0.09	<0.1
1389489	Drill Core	0.037	14.5	2.7	0.21	45.0	0.029	1	0.30	0.041	0.19	>100	0.9	0.10	0.90	24	1.2	0.08	1.5	0.85	<0.1
REP 1389489	QC																				
1389495	Drill Core	0.033	13.4	5.2	0.15	42.2	0.025	<1	0.34	0.049	0.17	1.9	0.9	0.06	0.47	<5	0.5	0.02	1.7	0.63	<0.1
REP 1389495	QC	0.034	13.6	5.6	0.15	44.1	0.026	<1	0.33	0.049	0.17	2.0	0.8	0.08	0.49	<5	0.5	0.04	1.6	0.66	<0.1
1389513	Drill Core	0.031	16.2	2.8	0.14	82.7	0.008	<1	0.35	0.033	0.14	2.8	0.8	0.07	0.91	<5	1.2	0.16	1.7	0.59	<0.1
REP 1389513	QC	0.030	16.4	2.8	0.13	85.1	0.007	<1	0.33	0.034	0.14	2.7	0.7	0.07	0.92	<5	1.3	0.19	1.7	0.60	<0.1
1389538	Drill Core	0.045	24.2	5.3	0.20	32.6	0.070	<1	0.35	0.077	0.14	2.8	0.8	0.07	0.91	8	1.4	0.08	2.1	0.73	<0.1
REP 1389538	QC	0.045	24.5	5.2	0.19	33.3	0.069	<1	0.36	0.075	0.14	2.9	0.8	0.07	0.89	9	1.1	0.09	2.2	0.75	<0.1
1389556	Drill Core	0.037	16.5	2.5	0.23	77.6	0.011	4	0.30	0.030	0.24	4.9	1.0	0.11	0.81	<5	0.9	0.13	1.6	0.92	<0.1
REP 1389556	QC	0.037	17.7	2.7	0.25	80.8	0.011	4	0.32	0.030	0.25	4.9	1.0	0.12	0.81	<5	0.8	0.22	1.6	0.95	<0.1
1389572	Drill Core	0.055	13.0	23.3	0.48	48.5	0.050	<1	0.62	0.059	0.33	33.7	2.8	0.23	0.75	8	1.1	0.48	2.8	2.18	0.2
REP 1389572	QC	0.054	12.2	23.2	0.47	50.2	0.048	2	0.65	0.060	0.34	33.2	2.7	0.23	0.76	<5	1.1	0.37	2.9	2.19	0.1
1389579	Drill Core	0.107	12.9	10.2	0.56	45.1	0.004	3	0.53	0.006	0.30	37.1	3.2	0.18	3.56	10	4.0	2.88	2.0	0.70	<0.1
REP 1389579	QC	0.100	12.4	9.7	0.54	47.3	0.004	4	0.53	0.006	0.29	36.0	3.4	0.18	3.50	14	4.0	2.83	2.1	0.67	<0.1
Core Reject Duplicates																					
1389475	Drill Core	0.034	14.9	3.2	0.17	50.6	0.008	2	0.34	0.034	0.27	64.4	1.0	0.10	0.80	<5	1.0	0.30	1.4	0.88	<0.1

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QUALITY CONTROL REPORT VAN11004393.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
Pulp Duplicates																	
1389438	Drill Core	0.22	0.18	19.0	0.5	<0.05	5.0	7.98	15.0	<0.02	427	1.2	19.9	240	<2		
REP 1389438	QC	0.19	0.19	17.6	0.5	<0.05	5.0	7.80	14.3	<0.02	426	0.3	20.2	246	<2		
1389450	Drill Core	0.08	<0.02	11.4	<0.1	<0.05	1.6	4.03	22.1	<0.02	735	0.3	2.9	651	<2	0.205	<0.005
REP 1389450	QC															0.204	<0.005
1389453	Drill Core	0.06	0.11	17.4	0.7	<0.05	1.6	4.83	17.9	<0.02	74	0.2	5.0	22	<2		
REP 1389453	QC	0.07	0.13	18.0	0.7	<0.05	1.6	5.01	18.4	<0.02	75	0.2	5.3	20	<2		
1389457	Drill Core	0.12	0.27	11.0	0.3	<0.05	3.0	4.81	18.1	<0.02	71	0.3	4.1	<10	<2	0.010	0.051
REP 1389457	QC															0.010	0.052
1389472	Drill Core	0.09	0.71	8.8	0.4	<0.05	1.7	5.92	29.7	<0.02	48	0.4	5.0	26	<2		
REP 1389472	QC	0.12	0.72	9.3	0.4	<0.05	1.6	5.94	29.5	<0.02	45	0.6	4.5	31	<2		
1389486	Rock	<0.02	0.07	0.9	<0.1	<0.05	<0.1	0.81	1.2	0.05	3	<0.1	0.9	<10	<2		
REP 1389486	QC	<0.02	0.05	0.8	<0.1	<0.05	<0.1	0.75	1.1	<0.02	2	<0.1	0.7	<10	<2		
1389489	Drill Core	0.08	0.89	13.2	0.3	<0.05	2.1	6.02	26.1	<0.02	7	0.3	6.8	<10	<2	0.002	0.029
REP 1389489	QC															0.002	0.031
1389495	Drill Core	0.08	0.54	9.8	0.3	<0.05	1.5	5.60	23.7	<0.02	13	0.6	5.1	<10	<2		
REP 1389495	QC	0.08	0.53	9.9	0.3	<0.05	1.6	5.68	25.4	<0.02	16	0.4	5.3	<10	<2		
1389513	Drill Core	0.05	0.23	8.5	0.2	<0.05	1.1	6.19	30.3	<0.02	295	0.3	5.6	*	<2		
REP 1389513	QC	0.06	0.23	8.3	0.1	<0.05	1.0	6.59	30.7	<0.02	290	0.1	6.0	109	<2		
1389538	Drill Core	0.18	1.84	9.3	0.6	<0.05	2.7	7.76	42.0	<0.02	28	0.2	7.2	<10	<2		
REP 1389538	QC	0.20	2.02	10.1	0.6	<0.05	2.9	7.96	42.1	<0.02	30	0.3	7.2	<10	<2		
1389556	Drill Core	0.08	0.31	16.0	0.3	<0.05	2.0	6.23	29.8	<0.02	69	0.2	4.1	<10	5		
REP 1389556	QC	0.08	0.31	16.4	0.3	<0.05	2.1	6.65	32.3	<0.02	44	<0.1	5.1	<10	<2		
1389572	Drill Core	0.17	0.47	31.1	0.6	<0.05	3.9	6.21	22.9	<0.02	9	0.3	18.3	<10	<2		
REP 1389572	QC	0.17	0.45	30.2	0.5	<0.05	3.7	5.93	22.2	0.03	4	0.4	16.6	<10	<2		
1389579	Drill Core	0.10	0.03	19.9	0.4	<0.05	3.0	7.20	21.4	0.04	32	<0.1	11.3	<10	<2		
REP 1389579	QC	0.14	0.03	19.2	0.4	<0.05	3.0	7.06	20.5	0.02	44	0.5	11.2	<10	<2		
Core Reject Duplicates																	
1389475	Drill Core	0.06	0.17	15.2	0.4	<0.05	1.6	5.14	25.1	<0.02	23	0.3	5.5	<10	<2		

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QUALITY CONTROL REPORT VAN11004393.2

		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		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
DUP 1389475	QC		44.70	46.22	25.03	41.1	1175	1.8	3.2	533	1.53	23.8	3.2	8.7	5.8	193.4	0.86	1.60	4.68	11	1.19
1389510	Drill Core	4.60	58.42	42.53	4.02	15.1	119	1.0	2.6	453	1.47	1.0	3.2	6.9	6.4	148.9	0.09	0.09	0.81	26	1.15
DUP 1389510	QC		63.55	43.62	4.10	15.9	126	1.2	2.7	453	1.51	0.9	3.2	7.0	6.3	152.5	0.14	0.09	0.93	27	1.15
1389580	Drill Core	5.32	62.68	114.0	37.88	376.8	1541	14.0	5.9	1268	3.46	27.9	8.5	86.1	8.0	202.7	9.14	2.36	6.43	18	1.40
DUP 1389580	QC		67.08	115.3	38.30	398.5	1642	15.6	6.3	1370	3.73	31.8	9.3	114.6	8.6	217.1	9.60	2.49	7.25	22	1.51
Reference Materials																					
STD DS8	Standard		12.68	110.1	121.3	300.4	1756	38.4	7.7	605	2.46	25.5	2.8	114.6	6.9	56.8	2.25	5.06	6.20	40	0.69
STD DS8	Standard		14.34	116.8	130.9	327.8	1926	41.2	7.6	650	2.65	28.3	3.1	119.6	7.7	63.8	2.41	5.52	6.86	43	0.77
STD DS8	Standard		13.10	115.4	129.4	320.8	1835	40.6	7.8	629	2.54	26.2	2.9	106.4	7.1	65.1	2.46	5.23	7.29	41	0.71
STD DS8	Standard		13.25	109.6	120.0	295.2	1799	37.3	7.2	582	2.40	25.6	2.7	101.9	6.6	56.7	2.19	4.70	6.17	40	0.66
STD DS8	Standard		13.88	111.9	127.4	307.0	1794	39.5	8.1	619	2.49	25.8	3.1	109.7	7.7	71.4	2.27	5.81	7.12	42	0.74
STD DS8	Standard		13.56	119.5	133.1	325.7	1854	39.5	7.8	594	2.55	27.4	3.1	107.8	7.6	67.4	2.40	5.86	7.06	42	0.74
STD DS8	Standard		12.17	106.5	120.0	303.7	1656	35.9	7.2	594	2.33	25.1	2.6	95.1	6.7	61.8	2.22	5.57	6.63	38	0.65
STD DS8	Standard		14.98	115.4	125.6	309.4	1595	39.7	7.9	627	2.70	25.6	3.2	116.7	7.9	72.4	2.52	5.58	7.55	45	0.79
STD DS8	Standard		13.86	110.8	126.0	313.2	1749	37.8	7.6	644	2.42	25.3	2.7	113.2	7.2	65.3	2.48	5.01	6.89	40	0.74
STD NBLG	Standard																				
STD NBLG	Standard																				
STD NBLG	Standard																				
STD NBLG	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107 Expected																					
STD DS8 Expected			13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
BLK	Blank		<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
BLK	Blank		<0.01	<0.01	0.62	<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
BLK	Blank		<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
BLK	Blank		<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
BLK	Blank		<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

Acme Analytical Laboratories (Vancouver) Ltd.
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Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

QUALITY CONTROL REPORT VAN11004393.2

		1F30 P % 0.001	1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Tl ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1	1F30 Cs ppm 0.02	1F30 Ge ppm 0.1
DUP 1389475	QC	0.032	14.4	3.1	0.16	47.9	0.008	2	0.33	0.032	0.26	58.2	1.0	0.09	0.74	<5	0.9	0.22	1.4	0.84	<0.1
1389510	Drill Core	0.038	18.1	5.2	0.16	36.2	0.041	<1	0.31	0.061	0.13	11.1	0.7	0.04	0.59	7	0.8	0.04	1.5	0.46	<0.1
DUP 1389510	QC	0.040	17.1	5.1	0.16	42.9	0.042	1	0.33	0.069	0.14	10.9	0.8	0.05	0.59	<5	0.7	0.05	1.6	0.49	<0.1
1389580	Drill Core	0.067	16.3	6.4	0.40	38.8	0.007	3	0.29	0.023	0.20	20.2	2.2	0.10	1.77	<5	2.0	0.48	1.4	0.57	<0.1
DUP 1389580	QC	0.072	18.3	8.7	0.42	42.0	0.008	2	0.35	0.026	0.24	23.4	2.4	0.10	1.92	5	1.8	0.43	1.6	0.64	<0.1
Reference Materials																					
STD DS8	Standard	0.082	13.4	123.7	0.59	269.4	0.105	2	0.92	0.102	0.43	3.1	2.0	5.51	0.16	192	4.7	5.09	4.5	2.46	0.1
STD DS8	Standard	0.085	15.6	131.9	0.65	294.4	0.116	4	1.02	0.116	0.46	3.2	2.2	5.85	0.18	206	5.7	5.26	4.9	2.66	0.1
STD DS8	Standard	0.079	14.6	121.9	0.61	269.5	0.118	2	0.91	0.090	0.42	2.9	2.2	5.49	0.17	225	5.4	5.28	4.6	2.43	0.2
STD DS8	Standard	0.073	14.5	119.9	0.59	269.6	0.104	1	0.87	0.089	0.39	3.1	2.1	5.25	0.15	195	5.1	4.91	4.6	2.46	<0.1
STD DS8	Standard	0.076	17.5	124.4	0.62	285.5	0.127	2	1.00	0.105	0.44	3.1	2.4	5.36	0.16	215	5.4	5.41	4.8	2.49	<0.1
STD DS8	Standard	0.080	16.2	118.8	0.62	289.0	0.119	3	0.95	0.098	0.43	3.1	2.1	5.58	0.17	212	5.1	5.33	5.0	2.66	<0.1
STD DS8	Standard	0.073	15.0	113.8	0.60	259.7	0.106	3	0.87	0.088	0.40	3.0	1.9	5.23	0.15	193	5.3	4.93	4.5	2.43	<0.1
STD DS8	Standard	0.077	18.2	119.0	0.67	278.8	0.131	3	1.00	0.096	0.44	3.0	2.4	5.60	0.17	198	5.4	4.94	4.7	2.46	<0.1
STD DS8	Standard	0.082	17.7	124.3	0.60	278.7	0.114	3	1.05	0.078	0.46	2.9	2.3	5.51	0.15	212	5.5	5.16	5.0	2.56	<0.1
STD NBLG	Standard																				
STD NBLG	Standard																				
STD NBLG	Standard																				
STD NBLG	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107 Expected																					
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

QUALITY CONTROL REPORT VAN11004393.2

		1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	7KP Mo % 0.001	7KP W % 0.005
DUP 1389475	QC	0.06	0.18	15.5	0.4	<0.05	1.5	4.92	24.5	<0.02	24	0.3	5.0	<10	<2		
1389510	Drill Core	0.12	1.19	7.0	0.4	<0.05	2.0	6.26	31.7	<0.02	16	0.4	4.3	*	<2		
DUP 1389510	QC	0.12	1.18	7.5	0.4	<0.05	2.1	6.32	31.4	<0.02	27	0.2	4.4	16	<2		
1389580	Drill Core	0.10	0.22	13.3	0.3	<0.05	1.9	6.69	26.0	<0.02	49	0.2	6.2	<10	<2		
DUP 1389580	QC	0.10	0.27	16.4	0.4	<0.05	2.0	7.08	29.9	0.02	33	0.2	7.8	<10	<2		
Reference Materials																	
STD DS8	Standard	0.08	1.30	37.0	6.1	<0.05	2.1	5.54	26.4	2.15	53	4.8	27.8	94	339		
STD DS8	Standard	0.10	1.37	42.1	6.8	<0.05	2.2	6.23	29.9	2.25	62	5.7	29.8	113	362		
STD DS8	Standard	0.08	1.16	38.3	6.9	<0.05	2.1	5.81	26.0	2.17	71	5.0	26.1	126	358		
STD DS8	Standard	0.08	1.39	36.7	6.1	<0.05	2.0	5.95	28.8	2.21	50	5.9	25.9	114	338		
STD DS8	Standard	0.12	1.40	37.3	6.4	<0.05	2.3	6.85	31.9	2.20	45	5.6	27.4	126	341		
STD DS8	Standard	0.08	1.36	40.8	7.5	<0.05	2.2	6.61	31.0	2.49	50	5.5	26.8	125	347		
STD DS8	Standard	0.07	1.22	37.5	6.4	<0.05	2.1	5.40	28.6	2.11	49	4.7	26.4	117	303		
STD DS8	Standard	0.07	1.34	36.5	7.7	<0.05	2.3	6.56	30.7	2.37	51	5.3	28.7	105	326		
STD DS8	Standard	0.10	1.37	36.7	6.8	<0.05	2.3	6.30	30.7	2.26	56	5.4	25.2	108	350		
STD NBLG	Standard															0.001	<0.005
STD NBLG	Standard															<0.001	<0.005
STD NBLG	Standard															0.002	<0.005
STD NBLG	Standard															<0.001	<0.005
STD W107	Standard															0.042	0.415
STD W107	Standard															0.046	0.394
STD W107	Standard															0.047	0.404
STD W107 Expected																0.045	0.42
STD DS8 Expected		0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	*	<2		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		

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PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

QUALITY CONTROL REPORT VAN11004393.2

		WGHT Wgt kg 0.01	1F30 Mo ppm 0.01	1F30 Cu ppm 0.01	1F30 Pb ppm 0.01	1F30 Zn ppm 0.1	1F30 Ag ppb 2	1F30 Ni ppm 0.1	1F30 Co ppm 0.1	1F30 Mn ppm 1	1F30 Fe % 0.01	1F30 As ppm 0.1	1F30 U ppm 0.1	1F30 Au ppb 0.2	1F30 Th ppm 0.1	1F30 Sr ppm 0.5	1F30 Cd ppm 0.01	1F30 Sb ppm 0.02	1F30 Bi ppm 0.02	1F30 V ppm 2	1F30 Ca % 0.01
BLK	Blank																				
BLK	Blank		<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
BLK	Blank		<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
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<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
BLK	Blank																				
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	7	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
Prep Wash																					
G1	Prep Blank	<0.01	0.13	2.63	2.97	48.8	10	2.2	3.9	587	2.24	1.0	1.4	0.5	5.7	66.8	<0.01	<0.02	0.04	39	0.53
G1	Prep Blank	<0.01	0.21	2.74	3.16	50.1	10	2.6	4.0	583	2.17	0.9	1.5	0.7	5.9	80.1	<0.01	0.03	0.04	38	0.59

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QUALITY CONTROL REPORT VAN11004393.2

		1F30 P % 0.001	1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Tl ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1	1F30 Cs ppm 0.02	1F30 Ge ppm 0.1
BLK	Blank																				
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank																				
BLK	Blank																				
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank																				
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
Prep Wash																					
G1	Prep Blank	0.079	14.5	4.4	0.48	131.3	0.114	<1	0.86	0.080	0.45	<0.1	2.2	0.31	<0.02	<5	0.1	0.02	4.9	2.50	<0.1
G1	Prep Blank	0.081	15.3	7.1	0.52	137.4	0.123	1	0.89	0.081	0.44	<0.1	2.1	0.31	<0.02	<5	<0.1	<0.02	4.8	2.51	<0.1

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QUALITY CONTROL REPORT VAN11004393.2

		1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	7KP Mo % 0.001	7KP W % 0.005
BLK	Blank															<0.001	<0.005
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
BLK	Blank															<0.001	<0.005
BLK	Blank															<0.001	<0.005
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
BLK	Blank															<0.001	<0.005
BLK	Blank	<0.02	0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
Prep Wash																	
G1	Prep Blank	0.09	0.43	42.8	0.4	<0.05	1.3	4.96	25.8	<0.02	2	<0.1	27.4	<10	<2		
G1	Prep Blank	0.09	0.45	41.3	0.5	<0.05	1.5	5.25	27.2	<0.02	<1	0.2	28.1	<10	<2		

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Client: **Emgold Mining Corp.**
PO Box 1836
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Submitted By: Rob Pease
Receiving Lab: Canada-Vancouver
Received: September 07, 2011
Report Date: October 28, 2011
Page: 1 of 7

CERTIFICATE OF ANALYSIS VAN11004534.1

CLIENT JOB INFORMATION

Project: Stewart
Shipment ID: Stewy 7
P.O. Number
Number of Samples: 172

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
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
R200-500	164	Crush, split and pulverize 500 g rock to 200 mesh			VAN
1F06	172	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
7KP	6	Phosphoric acid leach, ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Emgold Mining Corp.
PO Box 1836
Grass Valley California 95945
USA

CC: Perry Grunenbery

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: October 28, 2011

CERTIFICATE OF ANALYSIS VAN11004534.1

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389599	Drill Core	4.60	48.97	97.45	4.99	38.3	231	19.4	11.3	622	2.85	3.7	5.7	8.0	6.6	74.7	0.18	0.27	1.83	53	1.59
1389600	Drill Core	9.12	85.59	160.4	15.72	53.0	1129	26.2	15.6	1253	4.69	23.1	6.8	26.2	4.2	125.9	0.50	2.32	33.15	107	2.33
1389601	Drill Core	8.05	117.6	94.95	11.90	55.6	541	21.8	8.4	1504	3.25	15.9	5.5	7.6	6.1	184.1	0.67	1.70	4.44	73	2.32
1389602	Rock	0.23	0.60	1.46	1.05	7.9	<2	<0.1	1.1	248	0.44	0.5	0.4	<0.2	<0.1	40.0	0.07	0.04	0.23	<2	22.50
1389603	Rock Pulp	0.08	339.8	3368	21.73	51.5	1738	28.5	7.9	401	2.96	12.5	0.3	880.8	1.1	28.9	0.54	3.08	0.61	47	0.60
1389604	Drill Core	3.44	338.5	143.5	50.29	148.4	1675	29.2	12.3	2436	4.60	29.3	6.5	28.2	5.1	102.5	2.17	3.11	8.68	140	2.12
1389605	Drill Core	5.81	82.38	201.8	126.9	2290	6588	22.0	19.0	2124	6.48	271.2	7.4	1650	5.5	143.7	50.29	11.84	26.01	72	3.21
1389606	Drill Core	7.37	166.8	152.4	48.10	386.3	4973	23.4	11.6	1227	4.60	46.5	5.0	49.1	6.7	158.5	16.53	3.65	51.70	65	1.05
1389607	Drill Core	8.51	283.2	131.2	10.08	145.1	925	28.6	11.2	996	3.50	9.3	6.0	34.5	7.3	74.7	3.70	1.78	5.02	73	1.23
1389608	Drill Core	8.19	19.12	57.93	2.90	49.5	206	8.3	5.0	560	1.96	2.4	2.7	15.4	5.4	69.7	0.63	0.33	1.43	39	1.19
1389609	Drill Core	8.72	114.8	78.17	34.91	63.8	2377	14.3	8.3	1128	2.99	103.5	3.3	47.3	5.6	109.5	0.59	1.01	17.04	64	2.34
1389610	Drill Core	4.49	358.7	97.11	15.55	48.8	979	20.3	8.6	841	3.20	25.3	6.0	31.2	6.8	154.9	0.56	0.69	5.81	57	1.85
1389611	Drill Core	4.11	385.8	79.43	13.07	40.1	613	11.0	7.4	937	2.39	20.7	4.5	32.6	6.6	164.0	0.59	0.87	2.95	38	1.84
1389612	Drill Core	5.91	519.1	97.86	20.31	37.7	1102	15.7	8.8	1289	3.20	14.9	3.0	29.7	4.7	118.0	0.70	1.33	4.44	33	1.31
1389613	Drill Core	8.23	67.74	60.40	22.01	72.5	2613	12.1	7.5	1512	2.69	46.4	2.5	273.1	4.4	359.4	0.98	2.44	17.47	29	2.92
1389614	Drill Core	5.02	251.2	85.31	26.53	83.1	1031	10.7	8.4	1492	3.10	83.5	3.7	144.1	4.4	234.8	1.12	3.67	4.14	52	3.30
1389615	Drill Core	4.14	739.3	129.7	57.47	53.7	2223	15.6	9.0	1544	3.59	82.0	3.4	51.4	5.4	247.0	1.14	3.84	5.58	28	2.16
1389616	Drill Core	6.36	47.88	59.23	24.28	39.2	1488	7.5	5.1	534	1.86	7.5	4.3	33.7	8.1	102.2	0.61	0.41	7.05	27	1.27
1389617	Drill Core	2.12	19.75	48.51	107.2	44.0	5700	3.8	2.3	1157	1.54	12.3	5.9	13.3	15.2	175.5	1.05	2.25	37.16	8	1.15
1389618	Drill Core	8.89	176.3	124.8	41.64	157.5	924	13.8	10.7	1224	3.29	19.9	3.5	17.4	4.6	192.5	1.28	0.94	2.90	47	2.86
1389619	Drill Core	8.39	197.0	83.84	44.70	97.2	572	13.1	6.9	979	2.34	3.2	4.7	35.9	9.5	110.9	0.98	0.46	1.83	38	1.59
1389620	Drill Core	8.52	170.9	78.54	5.38	45.1	215	13.9	7.0	798	2.26	2.8	4.7	18.2	7.3	109.5	0.57	0.08	1.48	40	2.16
1389621	Rock	0.25	1.09	1.76	0.86	7.4	<2	<0.1	0.9	207	0.51	0.5	0.5	<0.2	<0.1	33.3	0.05	<0.02	0.05	<2	23.15
1389622	Rock Pulp	0.08	1010	8758	42.64	157.9	3977	36.8	20.3	519	4.25	32.0	0.5	635.4	1.4	39.4	1.61	5.72	1.44	100	0.96
1389623	Drill Core	3.64	780.8	227.9	21.29	27.6	2574	30.2	13.6	1864	6.61	7.3	2.8	29.6	3.6	188.9	0.48	2.50	16.13	54	1.92
1389624	Drill Core	5.66	312.8	128.4	16.64	30.6	1769	15.6	11.3	1101	4.26	24.0	5.0	98.0	8.4	209.1	0.34	2.79	22.02	27	1.43
1389625	Drill Core	9.13	623.4	128.3	85.63	39.6	9215	14.4	8.2	1324	3.84	3.3	4.9	83.4	8.5	175.5	0.77	1.10	62.96	42	1.44
1389626	Drill Core	8.82	197.4	95.49	18.53	47.6	1357	17.5	8.2	1009	2.87	8.9	3.9	39.2	5.7	162.6	0.60	1.30	4.55	41	1.97
1389627	Drill Core	7.98	28.67	69.52	12.65	32.0	460	9.4	5.7	799	2.01	30.4	4.9	17.1	9.2	190.5	0.43	1.63	1.38	30	1.77
1389628	Drill Core	8.79	18.32	48.15	4.22	16.7	140	5.7	3.7	606	1.71	2.6	4.1	3.1	6.9	161.1	0.10	0.12	0.84	30	1.94

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Project: Stewart
Report Date: October 28, 2011

CERTIFICATE OF ANALYSIS VAN11004534.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389599	Drill Core	0.088	10.6	17.2	0.55	41.8	0.061	3	0.78	0.060	0.12	>100	1.6	0.09	1.32	<5	2.0	0.11	2.7	1.00	0.1
1389600	Drill Core	0.122	8.8	21.2	0.77	36.4	0.072	2	0.78	0.038	0.29	>100	5.7	0.23	2.53	<5	3.4	1.21	3.3	1.73	0.1
1389601	Drill Core	0.101	11.1	25.9	0.71	50.3	0.035	2	0.45	0.019	0.30	8.5	5.4	0.23	1.49	<5	1.8	0.24	2.5	1.99	<0.1
1389602	Rock	0.016	<0.5	1.0	11.07	12.7	<0.001	<1	0.02	0.001	<0.01	3.4	0.2	<0.02	<0.02	<5	0.2	<0.02	<0.1	0.06	<0.1
1389603	Rock Pulp	0.047	4.5	30.2	0.55	111.8	0.093	6	1.18	0.079	0.10	0.9	3.3	0.08	0.38	92	1.1	0.19	4.0	0.35	0.1
1389604	Drill Core	0.136	13.4	30.5	0.87	126.5	0.054	3	0.81	0.020	0.53	9.7	8.2	0.50	1.27	<5	2.0	0.33	4.3	4.71	0.1
1389605	Drill Core	0.114	9.8	11.9	0.49	41.2	0.034	7	1.10	0.025	0.22	54.0	4.8	0.15	3.01	30	2.8	1.01	4.2	2.14	0.3
1389606	Drill Core	0.076	11.3	18.0	0.49	67.3	0.020	3	0.49	0.015	0.39	45.8	4.1	0.24	2.50	<5	2.9	1.59	2.5	1.96	<0.1
1389607	Drill Core	0.089	14.4	26.5	0.40	86.1	0.038	2	0.64	0.035	0.21	6.1	3.6	0.14	1.45	<5	2.3	0.26	2.9	1.55	0.1
1389608	Drill Core	0.061	15.9	7.4	0.28	38.5	0.057	1	0.41	0.068	0.12	4.3	1.6	0.07	0.74	8	1.0	0.05	2.3	0.85	<0.1
1389609	Drill Core	0.075	10.4	14.1	0.49	36.4	0.059	2	0.71	0.027	0.23	14.9	3.1	0.16	1.26	<5	1.4	0.37	3.1	1.33	0.1
1389610	Drill Core	0.065	11.7	17.2	0.44	39.4	0.038	2	0.48	0.034	0.22	16.1	2.8	0.15	1.64	<5	2.1	0.30	2.2	1.33	<0.1
1389611	Drill Core	0.054	11.7	18.5	0.36	51.6	0.025	2	0.50	0.044	0.27	3.6	2.7	0.17	1.12	<5	1.5	0.16	2.2	1.38	<0.1
1389612	Drill Core	0.048	8.5	16.1	0.40	57.2	0.014	2	0.47	0.023	0.28	29.6	2.9	0.17	1.70	<5	2.0	0.46	2.0	1.38	0.1
1389613	Drill Core	0.057	6.3	9.4	0.63	41.8	0.003	5	0.35	0.024	0.22	2.2	4.3	0.11	0.89	7	1.2	0.25	1.5	1.44	<0.1
1389614	Drill Core	0.076	8.6	7.2	0.51	35.4	0.036	4	0.74	0.030	0.22	10.3	3.1	0.10	1.70	<5	1.4	0.13	2.8	0.99	0.1
1389615	Drill Core	0.076	10.6	6.9	0.48	61.8	0.007	3	0.43	0.022	0.29	1.9	3.4	0.18	2.16	<5	2.2	0.19	1.7	1.46	<0.1
1389616	Drill Core	0.038	14.9	5.6	0.22	44.6	0.037	<1	0.34	0.045	0.17	1.4	1.3	0.08	0.90	5	1.0	0.42	1.6	0.66	<0.1
1389617	Drill Core	0.022	13.8	1.4	0.28	52.5	0.004	2	0.23	0.025	0.21	0.5	0.8	0.07	0.59	6	1.2	2.61	1.1	0.40	<0.1
1389618	Drill Core	0.078	8.2	10.8	0.56	42.2	0.026	2	0.68	0.040	0.15	15.2	2.6	0.10	1.61	<5	2.0	0.15	2.7	1.25	<0.1
1389619	Drill Core	0.044	10.1	15.0	0.36	37.1	0.030	1	0.42	0.037	0.16	3.5	1.9	0.09	1.12	7	1.7	0.09	2.2	0.76	<0.1
1389620	Drill Core	0.052	11.7	20.8	0.42	40.6	0.046	<1	0.49	0.055	0.19	24.7	1.7	0.14	1.13	<5	1.6	0.06	2.3	1.11	<0.1
1389621	Rock	0.017	<0.5	0.7	11.53	8.6	<0.001	<1	0.01	0.001	<0.01	<0.1	0.2	<0.02	<0.02	7	0.2	<0.02	<0.1	0.06	<0.1
1389622	Rock Pulp	0.083	6.9	62.1	1.06	79.8	0.124	5	1.76	0.107	0.55	14.1	6.9	0.41	2.02	111	5.1	0.67	5.6	2.12	<0.1
1389623	Drill Core	0.074	6.8	24.4	0.75	34.8	0.024	2	0.65	0.018	0.39	13.0	3.8	0.27	3.83	<5	3.8	0.75	2.8	1.59	0.1
1389624	Drill Core	0.044	12.7	12.8	0.40	37.4	0.015	2	0.34	0.026	0.24	1.7	2.2	0.15	2.58	5	2.9	0.99	1.7	1.10	<0.1
1389625	Drill Core	0.057	12.2	17.0	0.46	41.4	0.026	1	0.45	0.024	0.32	6.7	2.6	0.19	2.24	<5	2.4	2.99	2.3	1.28	<0.1
1389626	Drill Core	0.062	11.0	17.6	0.49	42.9	0.036	2	0.61	0.036	0.21	24.2	2.7	0.15	1.62	<5	2.2	0.14	2.4	1.18	<0.1
1389627	Drill Core	0.045	14.4	11.4	0.37	42.4	0.027	2	0.41	0.038	0.21	5.2	1.7	0.14	1.01	8	1.3	0.07	1.9	1.29	<0.1
1389628	Drill Core	0.037	14.3	8.2	0.38	35.5	0.017	1	0.36	0.033	0.24	1.5	1.6	0.18	0.77	<5	0.9	0.02	1.7	1.79	<0.1

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Project: Stewart
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CERTIFICATE OF ANALYSIS VAN11004534.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1389599	Drill Core	0.13	0.52	9.4	0.3	<0.05	2.3	5.66	16.7	<0.02	44	0.4	17.0	<10	<2	0.055
1389600	Drill Core	0.15	0.38	26.0	0.5	<0.05	3.6	8.32	14.6	0.02	44	0.3	23.4	<10	<2	0.028
1389601	Drill Core	0.18	0.29	30.1	0.5	<0.05	3.2	9.04	17.9	0.03	68	0.4	17.2	<10	<2	
1389602	Rock	<0.02	<0.02	0.5	<0.1	<0.05	<0.1	0.67	0.9	<0.02	2	<0.1	0.7	<10	<2	
1389603	Rock Pulp	0.18	0.09	3.9	1.9	<0.05	6.4	6.45	9.6	0.04	301	0.2	7.8	<10	<2	
1389604	Drill Core	0.18	0.21	60.2	0.5	<0.05	4.5	12.67	22.2	0.05	114	0.6	28.6	<10	<2	
1389605	Drill Core	0.24	0.23	16.8	0.5	<0.05	5.9	9.47	17.4	0.12	27	1.6	14.3	<10	<2	
1389606	Drill Core	0.10	0.17	32.0	0.6	<0.05	2.8	7.18	19.1	0.02	77	0.4	14.0	<10	<2	
1389607	Drill Core	0.12	0.33	17.3	0.4	<0.05	2.8	9.34	22.7	<0.02	161	0.6	11.7	<10	<2	
1389608	Drill Core	0.15	1.03	8.1	0.4	<0.05	2.4	7.15	27.6	<0.02	9	0.6	6.4	<10	<2	
1389609	Drill Core	0.17	0.47	19.9	0.5	<0.05	3.8	6.24	17.6	0.02	50	0.5	12.9	<10	<2	
1389610	Drill Core	0.11	0.38	18.0	0.4	<0.05	2.4	6.58	19.4	0.02	170	0.4	12.4	<10	<2	
1389611	Drill Core	0.15	0.25	21.3	0.4	<0.05	2.7	5.96	19.3	<0.02	167	0.3	9.1	<10	<2	
1389612	Drill Core	0.06	0.09	21.3	0.5	<0.05	2.0	5.25	13.9	0.03	252	0.4	9.9	<10	<2	
1389613	Drill Core	0.05	0.02	12.6	0.3	<0.05	1.5	6.88	12.2	0.04	40	0.6	4.9	<10	<2	
1389614	Drill Core	0.11	0.19	13.9	0.4	<0.05	2.8	6.54	15.3	0.03	98	0.5	12.4	<10	<2	
1389615	Drill Core	0.06	0.06	18.1	0.3	<0.05	1.6	8.02	17.0	0.03	398	0.5	8.9	<10	<2	
1389616	Drill Core	0.12	0.48	9.8	0.3	<0.05	2.3	5.46	23.5	<0.02	25	0.3	5.1	<10	<2	
1389617	Drill Core	0.08	0.12	9.5	0.2	<0.05	1.5	4.36	22.7	0.04	9	0.2	2.4	<10	<2	
1389618	Drill Core	0.07	0.21	11.1	0.3	<0.05	1.5	5.71	14.5	0.03	88	0.7	13.0	<10	<2	
1389619	Drill Core	0.11	0.33	12.2	0.3	<0.05	1.8	5.15	17.0	<0.02	124	0.3	7.2	<10	<2	
1389620	Drill Core	0.11	0.41	14.9	0.3	<0.05	2.0	5.21	19.4	<0.02	90	0.3	9.0	<10	<2	
1389621	Rock	<0.02	<0.02	0.4	<0.1	<0.05	<0.1	0.52	0.7	<0.02	<1	<0.1	0.5	<10	<2	
1389622	Rock Pulp	0.18	0.06	26.9	1.6	<0.05	4.5	9.23	14.5	0.09	871	0.3	8.6	<10	<2	
1389623	Drill Core	0.09	0.21	33.1	0.9	<0.05	1.6	5.58	11.1	0.03	319	0.2	18.4	<10	<2	
1389624	Drill Core	0.08	0.51	17.5	0.4	<0.05	2.0	4.98	20.5	0.02	141	0.4	8.2	<10	<2	
1389625	Drill Core	0.11	0.49	24.8	0.7	<0.05	2.3	5.67	20.4	0.03	254	0.3	11.4	<10	<2	
1389626	Drill Core	0.10	0.32	16.9	0.3	<0.05	1.7	6.05	18.6	<0.02	109	0.4	11.4	<10	<2	
1389627	Drill Core	0.09	0.36	16.3	0.9	<0.05	2.0	5.92	24.4	0.02	10	0.4	9.2	<10	<2	
1389628	Drill Core	0.08	0.25	19.8	0.2	<0.05	2.0	5.19	25.0	<0.02	8	0.3	10.4	<10	<2	

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CERTIFICATE OF ANALYSIS VAN11004534.1

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389629	Drill Core	8.52	50.02	112.2	112.8	73.3	5096	5.7	6.1	902	2.85	13.7	4.2	276.7	7.1	221.0	1.71	3.56	24.04	10	1.33
1389630	Drill Core	8.37	35.15	32.64	12.29	49.8	404	4.3	3.1	796	1.46	10.6	5.0	10.5	8.0	203.6	0.87	1.21	1.23	20	1.56
1389631	Drill Core	8.27	37.43	51.17	25.88	70.9	530	4.5	4.0	773	1.79	13.7	3.5	7.0	6.5	213.8	0.85	0.77	1.03	19	1.95
1389632	Drill Core	8.64	22.12	35.47	20.42	102.2	644	2.4	2.9	710	1.43	30.9	4.7	21.2	7.2	288.8	2.08	1.99	0.97	7	1.63
1389633	Drill Core	8.19	17.34	41.91	10.07	73.4	380	2.4	3.2	597	1.68	32.6	4.1	44.4	7.2	215.1	1.60	1.09	0.99	17	1.39
1389634	Drill Core	8.74	18.40	45.95	8.29	27.9	266	2.7	2.9	631	1.58	10.1	3.3	4.8	6.4	191.8	0.43	0.47	0.78	18	1.42
1389635	Drill Core	8.34	23.19	41.32	20.42	138.4	1484	1.6	2.4	2058	1.88	9.5	4.6	25.5	6.8	653.6	4.48	1.21	10.23	9	2.22
1389636	Drill Core	8.80	20.90	76.43	70.75	15.4	14037	2.3	4.3	518	2.74	7.2	4.0	8211	6.5	272.8	1.10	7.74	170.6	14	1.08
1389637	Drill Core	7.20	34.89	77.60	9.13	23.4	356	3.2	4.0	614	2.56	3.2	3.1	8.1	5.5	174.6	0.36	0.32	1.04	18	1.09
1389638	Drill Core	8.37	27.22	44.95	7.19	17.1	210	1.6	3.1	744	1.50	3.1	4.1	6.6	7.2	443.4	0.30	0.26	1.11	18	1.55
1389639	Drill Core	8.28	25.64	43.59	6.95	15.7	226	2.0	3.3	564	1.49	5.6	2.9	5.4	5.4	173.0	0.20	0.42	0.96	18	1.66
1389640	Drill Core	8.56	46.65	51.59	5.33	14.9	139	4.3	3.9	459	1.58	1.4	4.2	5.2	6.4	155.6	0.16	0.18	0.87	25	1.29
1389641	Rock	0.32	0.04	0.72	1.67	10.4	<2	2.0	0.8	168	0.39	0.2	0.5	1.0	<0.1	36.0	0.06	<0.02	<0.02	<2	16.23
1389642	Rock Pulp	0.08	339.8	3289	22.87	54.5	1762	29.2	8.0	413	3.15	12.5	0.3	814.5	1.1	32.1	0.60	3.33	0.51	48	0.59
1389643	Drill Core	8.01	54.23	36.59	10.34	33.8	135	0.8	2.3	501	1.34	3.6	2.7	3.2	5.2	172.6	0.34	0.17	0.50	22	1.14
1389644	Drill Core	8.16	17.58	42.68	6.98	14.1	138	1.1	2.8	399	1.35	2.2	3.6	3.5	6.3	139.9	0.12	0.17	0.51	19	1.01
1389645	Drill Core	8.07	30.23	44.06	8.03	47.4	194	0.8	3.3	494	1.41	8.0	3.0	3.7	5.2	222.1	0.92	0.43	0.65	16	1.33
1389646	Drill Core	8.29	30.23	43.52	25.26	34.7	691	1.0	3.6	533	1.51	17.9	2.7	7.3	4.3	340.5	0.38	0.78	1.12	5	1.73
1389647	Drill Core	4.98	37.74	51.26	18.34	19.1	483	1.0	3.3	432	1.37	14.2	2.5	4.6	4.4	273.6	0.20	0.69	0.98	5	1.41
1389648	Drill Core	7.25	122.8	106.4	20.97	41.5	1539	22.7	8.7	875	3.28	16.8	4.6	13.8	5.1	136.5	0.31	1.23	21.92	67	1.70
1389649	Drill Core	3.75	55.05	92.23	3.24	78.4	219	19.1	12.3	840	3.16	6.9	2.3	10.5	3.2	69.8	0.52	0.09	1.72	98	2.31
1389650	Drill Core	3.79	104.8	172.9	8.88	86.9	676	40.0	14.3	785	4.87	66.2	5.5	22.3	5.1	52.1	0.83	1.34	11.34	104	0.95
1389651	Drill Core	3.47	357.5	131.1	7.49	60.7	496	34.9	11.0	1397	4.32	12.1	4.5	15.5	5.0	139.4	0.47	0.64	9.16	94	2.33
1389652	Drill Core	5.34	78.35	96.77	39.72	324.0	1327	28.4	10.2	898	3.11	41.2	4.7	16.8	5.5	141.3	4.54	11.08	8.14	76	1.98
1389653	Drill Core	5.90	100.8	104.7	3.59	56.1	239	22.7	12.2	651	3.27	5.2	5.4	37.0	5.3	63.1	0.23	0.05	3.10	78	1.93
1389654	Drill Core	8.52	97.88	102.4	4.31	61.7	388	23.0	9.0	678	2.79	3.8	5.1	76.5	6.7	62.2	0.89	0.47	7.21	70	2.02
1389655	Drill Core	5.03	113.8	107.8	6.56	83.6	335	35.7	10.9	1205	3.62	85.1	4.7	33.0	4.8	146.8	0.51	5.41	3.92	112	2.46
1389656	Drill Core	7.82	80.82	99.65	5.02	74.9	251	34.9	11.1	971	3.28	41.2	5.2	43.1	4.2	108.2	0.54	1.41	3.46	88	2.21
1389657	Drill Core	7.07	24.94	51.29	17.91	100.3	617	7.4	6.6	915	2.24	65.7	4.9	16.0	5.9	348.8	1.18	12.93	1.65	14	2.34
1389658	Drill Core	7.90	40.53	48.56	9.84	67.4	667	11.7	7.0	866	2.30	63.0	3.1	11.0	5.2	420.4	0.47	11.45	1.10	27	3.08

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Project: Stewart
Report Date: October 28, 2011

CERTIFICATE OF ANALYSIS VAN11004534.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389629	Drill Core	0.032	9.1	2.7	0.24	43.4	0.004	2	0.27	0.026	0.21	14.3	1.1	0.11	1.88	<5	2.1	0.84	1.2	0.70	<0.1
1389630	Drill Core	0.036	12.7	8.1	0.29	39.5	0.016	2	0.31	0.036	0.19	0.6	1.5	0.10	0.56	5	0.7	0.03	1.5	1.06	<0.1
1389631	Drill Core	0.042	14.6	5.3	0.29	40.1	0.008	2	0.33	0.030	0.24	4.1	1.5	0.14	0.86	8	1.1	0.03	1.6	1.14	<0.1
1389632	Drill Core	0.030	10.7	1.7	0.22	177.4	0.002	3	0.23	0.025	0.18	9.8	1.3	0.06	0.68	9	0.7	0.12	0.9	0.66	<0.1
1389633	Drill Core	0.039	16.5	2.8	0.21	49.1	0.014	2	0.33	0.036	0.18	68.3	1.2	0.08	0.77	23	0.8	0.05	1.5	0.86	<0.1
1389634	Drill Core	0.041	16.7	2.8	0.24	52.1	0.021	1	0.35	0.047	0.20	>100	1.3	0.08	0.63	71	0.6	0.07	1.6	0.67	<0.1
1389635	Drill Core	0.033	12.5	1.4	0.41	119.0	0.004	2	0.26	0.026	0.18	5.8	1.3	0.08	0.59	<5	0.6	0.54	1.3	0.59	<0.1
1389636	Drill Core	0.033	13.2	2.5	0.19	47.7	0.014	<1	0.27	0.029	0.21	65.1	1.1	0.11	1.43	24	1.9	2.88	1.2	0.76	<0.1
1389637	Drill Core	0.039	12.9	2.9	0.20	42.3	0.028	<1	0.28	0.044	0.18	>100	1.1	0.07	1.32	119	1.4	0.09	1.4	0.62	<0.1
1389638	Drill Core	0.041	17.0	1.8	0.25	74.8	0.022	1	0.32	0.040	0.20	29.4	1.1	0.10	0.63	<5	0.6	0.11	1.5	0.83	<0.1
1389639	Drill Core	0.037	15.6	2.4	0.22	41.9	0.014	1	0.38	0.035	0.16	12.1	1.3	0.09	0.64	<5	0.8	0.03	1.6	0.77	<0.1
1389640	Drill Core	0.037	13.3	6.3	0.23	44.4	0.030	1	0.35	0.040	0.18	5.6	1.2	0.10	0.72	<5	0.9	0.07	1.4	0.80	<0.1
1389641	Rock	0.013	<0.5	<0.5	10.42	15.8	<0.001	<1	0.02	0.002	0.01	<0.1	0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	0.06	<0.1
1389642	Rock Pulp	0.047	5.0	31.2	0.53	117.3	0.096	5	1.17	0.081	0.10	0.8	3.5	0.08	0.38	82	1.1	0.16	4.1	0.36	<0.1
1389643	Drill Core	0.038	15.4	1.2	0.17	44.1	0.034	<1	0.31	0.045	0.12	11.9	0.8	0.05	0.50	<5	0.5	0.02	1.5	0.48	<0.1
1389644	Drill Core	0.036	15.8	1.3	0.15	46.9	0.034	1	0.29	0.038	0.13	1.7	0.7	0.06	0.57	<5	0.7	<0.02	1.3	0.45	<0.1
1389645	Drill Core	0.035	14.2	1.3	0.19	75.5	0.019	1	0.30	0.037	0.15	63.0	1.0	0.07	0.65	<5	0.8	0.06	1.3	0.62	<0.1
1389646	Drill Core	0.028	8.2	0.8	0.19	63.2	<0.001	2	0.21	0.020	0.15	1.4	1.0	0.07	0.79	<5	1.0	0.04	0.8	0.56	<0.1
1389647	Drill Core	0.029	9.3	0.9	0.19	80.5	0.001	2	0.23	0.021	0.17	1.8	0.9	0.07	0.67	<5	0.8	0.04	0.9	0.42	<0.1
1389648	Drill Core	0.072	8.9	18.3	0.61	37.0	0.036	1	0.47	0.026	0.30	6.5	4.0	0.23	1.52	<5	2.3	0.81	2.5	2.47	0.1
1389649	Drill Core	0.132	10.5	20.1	0.60	51.7	0.069	<1	1.12	0.067	0.17	5.8	4.4	0.11	1.22	<5	2.4	0.09	4.3	1.45	0.2
1389650	Drill Core	0.116	10.2	25.5	0.56	44.6	0.038	2	0.77	0.027	0.36	77.3	5.9	0.34	1.36	<5	2.9	0.48	3.9	3.52	0.1
1389651	Drill Core	0.117	11.3	24.8	0.80	41.3	0.039	2	0.66	0.029	0.37	24.5	6.4	0.32	1.80	<5	2.5	0.38	3.5	3.28	0.1
1389652	Drill Core	0.116	12.7	17.0	0.43	38.9	0.046	5	0.60	0.041	0.17	7.9	3.9	0.08	0.96	12	2.3	0.40	2.4	1.12	<0.1
1389653	Drill Core	0.114	11.3	17.1	0.60	40.7	0.088	<1	0.79	0.091	0.25	4.3	3.1	0.16	1.34	<5	1.9	0.19	3.6	1.97	0.2
1389654	Drill Core	0.086	11.2	23.6	0.45	27.1	0.062	1	0.60	0.048	0.12	5.8	2.8	0.05	1.29	<5	2.0	0.28	2.9	0.59	0.1
1389655	Drill Core	0.112	12.6	27.2	0.49	34.6	0.045	3	0.63	0.037	0.14	8.0	5.2	0.06	1.22	<5	2.5	0.24	2.9	1.75	0.2
1389656	Drill Core	0.091	12.9	24.9	0.48	35.8	0.056	2	0.59	0.031	0.14	40.2	2.9	0.08	1.45	<5	2.6	0.23	2.7	1.35	0.2
1389657	Drill Core	0.062	6.4	2.8	0.49	34.3	0.002	5	0.36	0.024	0.25	0.8	3.4	0.11	0.72	<5	1.0	0.15	1.2	1.05	<0.1
1389658	Drill Core	0.053	9.0	10.6	0.65	41.5	0.004	6	0.43	0.040	0.20	0.9	4.4	0.09	0.64	<5	1.0	0.12	1.6	1.25	<0.1

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Project: Stewart
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CERTIFICATE OF ANALYSIS VAN11004534.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1389629	Drill Core	0.06	0.15	12.9	0.2	<0.05	1.3	4.56	16.6	<0.02	22	0.3	3.6	<10	<2	
1389630	Drill Core	0.08	0.32	13.0	0.2	<0.05	2.0	5.38	22.1	0.02	17	0.4	5.9	<10	<2	
1389631	Drill Core	0.08	0.16	16.6	0.2	<0.05	1.6	6.57	25.6	<0.02	42	0.3	6.7	<10	<2	
1389632	Drill Core	0.05	0.07	9.0	0.1	<0.05	1.3	4.98	17.6	<0.02	14	0.3	2.0	<10	<2	
1389633	Drill Core	0.07	0.37	12.3	0.3	<0.05	1.9	6.11	25.9	<0.02	7	0.3	5.3	<10	<2	
1389634	Drill Core	0.08	0.42	12.3	0.3	<0.05	1.9	5.78	27.1	<0.02	12	0.4	6.2	<10	<2	0.030
1389635	Drill Core	0.06	0.12	11.1	0.2	<0.05	1.3	9.20	19.9	0.03	11	0.4	3.8	<10	<2	
1389636	Drill Core	0.08	0.40	13.5	0.2	<0.05	1.7	4.56	21.1	<0.02	11	0.3	4.9	<10	<2	
1389637	Drill Core	0.09	0.75	11.3	0.3	<0.05	1.8	5.46	20.9	<0.02	18	0.5	5.3	12	<2	0.050
1389638	Drill Core	0.09	0.51	13.8	0.3	<0.05	2.0	6.53	27.8	<0.02	10	0.2	6.4	12	<2	
1389639	Drill Core	0.10	0.25	11.1	0.2	<0.05	1.4	6.46	27.6	<0.02	10	0.4	6.6	<10	<2	
1389640	Drill Core	0.10	0.43	12.4	0.3	<0.05	2.1	5.41	22.8	<0.02	20	0.4	5.4	11	<2	
1389641	Rock	<0.02	0.02	0.5	<0.1	<0.05	<0.1	0.67	0.8	<0.02	<1	<0.1	0.6	<10	<2	
1389642	Rock Pulp	0.25	0.10	4.0	1.9	<0.05	6.9	6.71	10.8	<0.02	310	0.3	8.0	*	<2	
1389643	Drill Core	0.12	0.78	6.5	0.4	<0.05	1.9	6.80	28.4	<0.02	23	0.4	4.7	<10	<2	
1389644	Drill Core	0.12	0.77	8.0	0.3	<0.05	2.1	5.83	27.8	<0.02	3	0.2	4.1	<10	<2	
1389645	Drill Core	0.09	0.39	9.4	0.2	<0.05	1.6	5.98	25.2	<0.02	13	0.2	3.9	<10	<2	
1389646	Drill Core	0.05	0.04	8.0	<0.1	<0.05	1.0	5.13	14.5	<0.02	14	0.4	1.7	<10	<2	
1389647	Drill Core	0.04	0.03	8.7	0.2	<0.05	0.9	4.28	16.1	<0.02	20	0.2	2.8	10	<2	
1389648	Drill Core	0.13	0.31	30.8	0.3	<0.05	3.5	6.65	14.8	<0.02	85	0.3	16.8	30	<2	
1389649	Drill Core	0.14	0.30	12.7	0.3	<0.05	2.5	8.25	17.4	<0.02	37	0.5	16.3	<10	<2	
1389650	Drill Core	0.18	0.22	42.4	0.3	<0.05	4.7	8.94	16.9	<0.02	64	0.7	23.7	28	<2	
1389651	Drill Core	0.16	0.23	41.6	0.3	<0.05	4.0	11.09	19.0	<0.02	195	0.5	24.4	*	2	
1389652	Drill Core	0.18	0.47	11.7	0.4	<0.05	3.2	10.52	20.4	<0.02	47	0.6	11.1	13	<2	
1389653	Drill Core	0.11	0.41	18.2	0.3	<0.05	2.5	7.47	18.3	<0.02	65	0.4	13.3	13	<2	
1389654	Drill Core	0.12	0.54	7.3	0.3	<0.05	2.7	6.52	16.8	<0.02	53	0.3	11.1	26	<2	
1389655	Drill Core	0.18	0.39	9.3	0.6	<0.05	3.9	11.87	20.8	<0.02	68	0.9	11.7	15	3	
1389656	Drill Core	0.15	0.55	9.9	0.4	<0.05	3.3	9.35	20.0	<0.02	70	0.5	10.8	17	2	
1389657	Drill Core	0.06	0.03	14.1	0.2	<0.05	1.4	6.21	12.0	<0.02	20	0.5	3.6	<10	<2	
1389658	Drill Core	0.07	0.04	10.6	0.1	<0.05	1.6	6.52	15.9	<0.02	24	0.5	5.6	<10	<2	

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Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389659	Drill Core	7.85	47.89	82.21	32.04	58.2	1002	15.1	8.3	1198	2.74	56.0	3.4	11.7	5.5	208.3	0.86	8.61	3.60	41	2.14
1389660	Drill Core	4.18	227.6	99.71	21.39	54.5	867	23.3	9.9	1130	3.13	2.2	7.2	20.9	4.7	128.0	0.84	0.34	2.29	36	1.56
1389661	Drill Core	4.13	281.1	110.2	17.59	63.1	665	30.0	11.2	1408	3.72	1.0	5.3	9.9	3.7	186.9	0.67	0.44	2.05	86	4.17
1389662	Rock	0.22	1.13	1.12	1.46	10.8	<2	0.9	0.8	178	0.40	0.7	0.5	<0.2	<0.1	40.4	0.06	0.03	<0.02	<2	16.91
1389663	Rock Pulp	0.09	349.0	3237	22.64	57.0	1763	29.5	7.9	410	3.13	12.5	0.3	877.3	1.1	34.2	0.41	3.26	0.51	49	0.61
1389664	Drill Core	4.14	301.0	197.8	126.7	131.6	7770	21.1	10.2	1201	4.30	0.3	7.5	27.5	7.9	124.7	2.68	0.87	71.82	77	1.87
1389665	Drill Core	4.46	182.0	146.7	77.74	117.8	5520	40.7	15.9	1093	4.76	<0.1	3.5	184.5	3.8	118.1	1.99	0.71	40.57	86	1.92
1389666	Drill Core	4.01	85.01	122.6	52.54	47.5	3039	20.4	10.6	899	3.83	<0.1	4.0	18.0	5.9	127.3	0.72	0.40	10.20	53	1.65
1389667	Drill Core	4.27	61.16	62.46	2.71	32.7	178	37.2	9.1	347	1.96	<0.1	5.6	3.0	5.5	58.9	0.14	0.11	0.41	56	1.14
1389668	Drill Core	4.36	39.80	53.96	2.53	46.4	133	37.4	9.3	551	1.99	<0.1	10.4	1.8	6.2	51.6	0.39	0.03	0.29	89	1.34
1389669	Drill Core	4.51	140.7	97.70	20.72	110.5	871	40.7	10.6	793	3.20	7.0	6.2	17.4	6.2	148.5	1.61	1.80	3.90	75	1.92
1389670	Drill Core	8.05	152.2	74.04	15.28	73.1	477	20.1	7.4	1575	2.69	36.0	6.6	9.9	8.7	217.2	1.32	1.22	2.06	41	2.28
1389671	Drill Core	4.19	104.5	90.06	16.96	90.5	607	22.1	7.9	1820	2.96	3.2	5.0	8.6	6.2	208.9	1.62	0.85	1.85	52	2.66
1389672	Drill Core	3.94	203.4	146.2	48.43	116.3	1916	22.5	12.5	2417	4.85	5.4	4.8	20.8	6.4	209.0	2.54	1.44	5.94	37	2.14
1389673	Drill Core	4.10	378.3	172.8	50.64	71.2	2399	22.5	12.9	1772	4.94	7.6	4.9	15.5	5.8	170.8	1.01	1.46	5.10	45	1.89
1389674	Drill Core	4.93	178.3	174.4	77.44	64.6	4916	38.4	16.8	2321	6.39	109.5	2.7	33.9	3.2	218.2	0.95	6.42	28.07	66	2.63
1389675	Drill Core	4.30	339.2	124.4	95.44	95.2	4481	24.1	10.6	2684	4.35	102.8	2.7	42.6	3.6	330.1	0.98	4.83	21.45	25	3.37
1389676	Drill Core	4.17	199.7	108.3	14.45	41.4	722	18.2	8.8	1526	3.63	106.3	4.3	21.8	6.5	274.4	0.64	3.60	2.07	31	3.32
1389677	Drill Core	8.31	95.83	85.47	30.34	35.6	1280	12.3	6.7	967	2.80	20.4	4.3	30.4	8.5	167.2	0.51	1.46	4.42	38	1.75
1389678	Drill Core	8.51	87.16	94.51	57.81	128.8	1029	16.2	8.1	1168	2.87	78.4	4.0	28.1	6.9	236.4	1.04	3.58	1.70	40	2.29
1389679	Drill Core	8.33	61.64	109.4	9.78	27.9	460	16.3	7.4	943	3.06	11.9	5.5	45.9	7.1	164.9	0.18	0.71	1.99	42	1.94
1389680	Drill Core	7.93	29.79	62.04	14.72	65.4	671	11.2	6.1	1355	2.49	81.2	6.3	350.2	8.2	399.9	0.91	6.63	1.08	28	2.50
1389681	Drill Core	8.76	33.47	83.05	11.73	72.1	862	25.4	10.4	1272	3.08	28.0	3.8	17.8	4.8	221.6	0.81	6.18	1.46	53	2.76
1389682	Drill Core	8.12	19.92	47.55	11.60	70.2	980	10.7	4.7	1021	1.93	39.0	4.5	19.0	6.6	316.0	1.24	8.63	0.91	22	1.87
1389683	Drill Core	7.93	20.40	55.64	79.47	40.9	6087	8.7	4.3	1152	2.23	72.5	5.3	58.4	7.7	215.8	0.79	8.46	35.08	14	1.57
1389684	Rock	0.20	0.28	0.90	1.20	6.4	31	0.2	0.9	216	0.56	<0.1	0.5	1.8	0.1	35.8	0.06	0.03	0.11	<2	21.33
1389685	Rock Pulp	0.08	970.6	8822	42.96	157.2	3820	34.8	18.8	493	4.25	29.3	0.6	638.8	1.5	38.7	1.37	5.25	1.34	96	0.88
1389686	Drill Core	8.68	30.22	49.05	18.64	182.3	746	11.5	5.2	1275	2.29	123.9	5.1	32.7	6.9	227.3	2.87	3.05	1.05	32	2.31
1389687	Drill Core	8.04	34.57	128.0	155.5	162.4	6362	16.3	6.6	2869	4.15	960.3	5.4	380.9	7.7	307.5	2.64	4.42	7.91	19	2.65
1389688	Drill Core	7.36	34.29	100.8	40.94	218.2	3018	10.9	5.2	1893	3.02	827.9	5.6	226.7	9.0	219.3	4.29	2.67	2.60	19	1.87

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Grass Valley California 95945 USA

Project: Stewart
Report Date: October 28, 2011

CERTIFICATE OF ANALYSIS VAN11004534.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389659	Drill Core	0.066	9.2	12.4	0.51	45.2	0.027	3	0.50	0.030	0.25	2.6	3.3	0.14	1.12	<5	1.4	0.19	2.0	1.45	<0.1
1389660	Drill Core	0.058	5.8	21.7	0.44	37.3	0.038	2	0.47	0.037	0.22	9.8	2.5	0.12	1.56	<5	1.8	0.06	1.7	0.93	0.1
1389661	Drill Core	0.074	8.8	30.1	1.19	75.4	0.061	2	0.92	0.033	0.58	5.2	4.0	0.71	1.82	<5	2.8	0.11	3.4	5.82	0.1
1389662	Rock	0.013	<0.5	<0.5	11.11	14.8	<0.001	<1	0.02	0.002	0.01	<0.1	0.1	<0.02	<0.02	<5	0.3	<0.02	<0.1	0.09	<0.1
1389663	Rock Pulp	0.049	5.1	31.1	0.53	113.5	0.103	4	1.17	0.082	0.10	0.8	3.7	0.09	0.37	76	1.1	0.17	4.2	0.36	<0.1
1389664	Drill Core	0.076	8.7	23.0	0.39	31.9	0.033	2	0.58	0.025	0.28	6.0	2.9	0.16	2.08	<5	2.6	2.94	2.6	1.22	<0.1
1389665	Drill Core	0.136	10.2	35.1	0.53	32.5	0.059	2	0.73	0.029	0.28	18.5	3.8	0.19	2.39	<5	3.6	1.88	3.2	1.72	0.1
1389666	Drill Core	0.060	10.5	18.0	0.35	34.8	0.046	2	0.46	0.033	0.23	4.2	2.2	0.13	1.97	<5	2.7	0.77	2.1	1.04	<0.1
1389667	Drill Core	0.104	12.6	17.7	0.17	50.8	0.065	1	0.51	0.070	0.09	7.9	1.5	0.02	0.89	<5	3.1	0.21	1.9	0.28	0.1
1389668	Drill Core	0.096	12.0	21.4	0.15	45.6	0.071	1	0.61	0.072	0.08	8.6	1.7	<0.02	0.81	<5	2.8	0.03	2.5	0.20	0.3
1389669	Drill Core	0.084	10.1	25.8	0.35	42.0	0.044	2	0.72	0.031	0.16	9.8	2.9	0.06	1.68	7	3.0	0.20	2.5	0.81	<0.1
1389670	Drill Core	0.061	10.4	15.1	0.45	36.7	0.018	3	0.48	0.029	0.27	7.0	2.8	0.14	1.22	<5	1.5	0.14	2.1	1.35	0.1
1389671	Drill Core	0.064	10.6	18.6	0.54	41.6	0.021	3	0.59	0.025	0.33	1.0	3.3	0.19	1.43	<5	1.7	0.13	2.5	1.47	<0.1
1389672	Drill Core	0.090	4.0	8.1	0.62	40.6	0.006	3	0.59	0.015	0.40	2.6	3.6	0.21	2.52	<5	2.4	0.21	2.3	1.26	<0.1
1389673	Drill Core	0.074	8.0	12.9	0.49	35.0	0.018	3	0.55	0.017	0.33	7.7	3.0	0.18	2.94	<5	3.0	0.33	2.2	1.15	<0.1
1389674	Drill Core	0.085	4.9	26.9	0.76	38.5	0.025	3	0.83	0.022	0.38	3.8	5.0	0.20	3.28	<5	4.2	1.18	2.9	1.36	<0.1
1389675	Drill Core	0.063	4.3	9.1	0.80	36.9	0.003	3	0.42	0.012	0.30	0.7	3.9	0.16	2.37	<5	2.6	0.74	1.7	1.23	<0.1
1389676	Drill Core	0.061	7.4	12.8	0.58	39.2	0.009	3	0.40	0.020	0.25	7.5	3.1	0.16	1.97	<5	2.1	0.12	1.6	1.45	<0.1
1389677	Drill Core	0.044	8.7	15.2	0.43	41.5	0.026	1	0.39	0.030	0.29	0.9	2.5	0.19	1.42	<5	1.6	0.32	1.8	1.49	<0.1
1389678	Drill Core	0.048	9.0	14.5	0.47	63.3	0.017	2	0.44	0.029	0.21	1.2	2.8	0.10	1.46	<5	1.7	0.12	1.9	1.03	<0.1
1389679	Drill Core	0.048	8.2	19.6	0.45	40.2	0.032	<1	0.46	0.035	0.27	0.9	2.4	0.19	1.55	<5	1.7	0.17	2.2	1.61	<0.1
1389680	Drill Core	0.040	8.2	11.7	0.65	39.1	0.012	3	0.34	0.027	0.23	1.2	3.5	0.12	0.94	<5	1.1	0.02	1.5	1.53	<0.1
1389681	Drill Core	0.071	6.0	22.2	0.48	33.9	0.041	3	0.69	0.032	0.24	8.4	3.8	0.12	1.32	<5	1.9	0.06	2.6	1.02	<0.1
1389682	Drill Core	0.044	7.4	9.9	0.39	46.1	0.015	2	0.36	0.029	0.22	3.1	2.6	0.10	0.74	<5	1.1	0.05	1.4	0.74	<0.1
1389683	Drill Core	0.035	6.3	6.4	0.30	53.0	0.004	2	0.32	0.022	0.28	0.9	1.9	0.14	1.22	<5	1.2	0.89	1.3	0.89	<0.1
1389684	Rock	0.017	<0.5	0.7	10.88	18.7	<0.001	1	0.02	0.003	0.02	<0.1	0.2	<0.02	<0.02	<5	0.2	<0.02	0.1	0.10	<0.1
1389685	Rock Pulp	0.078	6.9	58.2	0.99	62.3	0.123	4	1.70	0.108	0.53	14.0	7.3	0.42	1.91	104	4.9	0.62	5.8	2.15	<0.1
1389686	Drill Core	0.042	9.4	17.8	0.45	86.7	0.007	2	0.61	0.027	0.28	2.4	3.2	0.14	0.79	<5	0.8	0.08	2.5	1.08	<0.1
1389687	Drill Core	0.057	4.7	7.9	0.66	46.9	0.002	2	0.45	0.009	0.30	17.2	3.7	0.14	2.01	<5	1.9	0.59	1.9	0.69	<0.1
1389688	Drill Core	0.043	8.4	6.5	0.44	66.5	0.005	3	0.43	0.026	0.28	1.9	2.9	0.14	1.54	<5	1.3	0.24	1.8	0.87	<0.1

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Project: Stewart
Report Date: October 28, 2011

CERTIFICATE OF ANALYSIS VAN11004534.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1389659	Drill Core	0.07	0.20	18.0	0.3	<0.05	1.8	5.81	15.0	0.02	30	0.3	10.2	10	<2	
1389660	Drill Core	0.11	0.29	14.8	0.3	<0.05	2.3	5.62	9.9	<0.02	110	0.2	9.5	*	<2	
1389661	Drill Core	0.15	0.45	48.1	0.7	<0.05	3.2	8.23	14.0	<0.02	119	0.7	17.8	*	3	
1389662	Rock	<0.02	0.02	0.7	<0.1	<0.05	<0.1	0.60	0.7	<0.02	2	<0.1	0.6	<10	<2	
1389663	Rock Pulp	0.23	0.11	4.3	1.7	<0.05	7.4	7.00	10.7	<0.02	278	0.4	8.4	*	<2	
1389664	Drill Core	0.16	0.36	22.6	0.7	<0.05	3.3	6.23	13.0	<0.02	165	0.4	11.8	*	2	
1389665	Drill Core	0.15	0.32	27.0	0.5	<0.05	2.9	9.09	16.3	<0.02	114	0.4	15.0	40	<2	
1389666	Drill Core	0.11	0.61	18.2	0.5	<0.05	2.3	6.50	17.4	<0.02	51	0.3	8.9	14	<2	
1389667	Drill Core	0.11	0.38	3.5	0.3	<0.05	2.4	9.13	19.4	<0.02	86	0.3	4.5	13	<2	
1389668	Drill Core	0.14	0.57	2.7	0.5	<0.05	3.2	10.73	19.0	<0.02	58	0.4	3.5	<10	2	
1389669	Drill Core	0.13	0.32	10.8	0.3	<0.05	2.5	8.65	15.9	<0.02	88	0.6	10.5	18	<2	
1389670	Drill Core	0.14	0.28	20.6	0.5	<0.05	2.6	7.60	17.1	<0.02	67	0.5	7.9	18	<2	
1389671	Drill Core	0.14	0.18	25.6	0.6	<0.05	2.8	8.40	17.9	<0.02	42	0.5	11.9	13	<2	
1389672	Drill Core	0.09	0.04	29.6	0.9	<0.05	2.3	6.00	6.9	<0.02	84	0.3	10.1	*	<2	
1389673	Drill Core	0.11	0.25	25.0	0.7	<0.05	2.2	5.59	12.4	<0.02	139	0.4	10.3	*	<2	
1389674	Drill Core	0.07	0.08	28.9	0.8	<0.05	2.0	7.38	8.0	<0.02	92	0.4	16.8	41	3	
1389675	Drill Core	0.05	<0.02	20.2	0.4	<0.05	1.2	9.84	7.6	0.06	160	0.4	8.0	<10	<2	
1389676	Drill Core	0.09	0.07	18.6	0.2	<0.05	1.9	6.84	11.4	0.04	78	0.5	8.9	<10	<2	
1389677	Drill Core	0.15	0.32	22.9	0.3	<0.05	2.4	5.48	14.7	0.02	35	0.3	10.4	<10	<2	
1389678	Drill Core	0.10	0.15	12.9	0.2	<0.05	1.9	6.20	15.1	0.03	43	0.4	9.1	<10	2	
1389679	Drill Core	0.13	0.23	22.4	0.3	<0.05	2.3	5.26	13.2	<0.02	36	0.3	11.2	<10	3	
1389680	Drill Core	0.14	0.14	15.1	0.2	<0.05	2.1	6.00	14.8	0.04	11	0.6	8.6	<10	<2	
1389681	Drill Core	0.14	0.15	14.8	0.4	<0.05	3.1	6.21	10.3	0.03	15	0.5	11.8	<10	<2	
1389682	Drill Core	0.08	0.13	13.3	0.4	<0.05	1.7	4.94	12.8	<0.02	13	0.3	6.3	<10	2	
1389683	Drill Core	0.08	0.04	18.3	0.2	<0.05	2.1	3.93	11.1	0.03	12	0.2	5.4	<10	<2	
1389684	Rock	<0.02	<0.02	0.8	<0.1	<0.05	<0.1	0.79	1.0	<0.02	<1	<0.1	0.8	<10	<2	
1389685	Rock Pulp	0.14	0.07	27.7	1.5	<0.05	4.4	9.66	15.0	0.10	882	0.4	8.2	<10	<2	
1389686	Drill Core	0.10	0.03	17.7	0.2	<0.05	1.7	6.22	16.5	0.04	13	0.5	11.0	<10	<2	
1389687	Drill Core	0.06	<0.02	16.5	0.3	<0.05	1.5	6.92	8.5	0.04	23	0.4	6.6	<10	<2	
1389688	Drill Core	0.10	0.08	17.0	0.3	<0.05	2.2	6.50	15.2	0.03	20	0.4	6.0	<10	<2	

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CERTIFICATE OF ANALYSIS VAN11004534.1

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389689	Drill Core	8.20	48.58	45.06	55.13	178.0	1934	13.9	4.3	1016	1.92	262.0	7.2	176.2	8.7	217.1	3.85	1.96	3.33	28	1.69
1389690	Drill Core	7.86	46.84	40.93	31.50	129.3	668	14.0	5.1	1211	1.78	40.8	4.1	24.3	6.0	193.4	2.45	1.43	1.34	33	1.94
1389691	Drill Core	8.24	61.57	50.25	14.17	219.6	707	11.2	4.6	1539	2.01	52.8	7.7	32.8	10.8	294.5	5.07	5.83	1.01	25	2.22
1389692	Drill Core	7.92	44.57	45.44	6.50	46.7	163	13.7	4.9	733	1.67	4.6	5.4	6.5	7.3	176.7	0.28	0.72	0.89	57	1.86
1389693	Drill Core	8.09	49.74	40.62	6.34	19.8	140	4.4	3.1	581	1.47	4.6	4.5	5.3	7.3	155.2	0.18	0.33	0.55	24	1.44
1389694	Drill Core	7.88	86.22	79.68	23.06	84.6	487	12.0	6.4	1114	2.42	12.7	4.9	11.7	8.0	198.7	0.54	0.48	2.92	50	2.64
1389695	Drill Core	8.57	33.51	73.77	9.76	66.0	237	15.7	7.7	953	2.47	6.3	3.7	7.0	5.6	200.6	0.28	0.73	1.11	74	2.71
1389696	Drill Core	7.79	16.01	45.65	65.90	191.4	707	17.4	6.6	853	2.03	33.7	4.9	6.1	7.7	227.8	1.63	1.70	0.76	46	2.55
1389697	Drill Core	6.72	20.92	54.89	20.44	76.3	969	7.3	4.4	816	1.92	32.9	4.6	25.1	7.5	256.7	1.12	4.74	1.25	25	2.18
1389698	Drill Core	8.51	84.82	60.16	6.30	49.5	200	3.7	4.1	448	1.83	1.2	5.4	5.3	7.8	116.8	0.70	0.25	0.89	22	1.16
1389699	Drill Core	8.04	7.90	44.72	4.78	15.2	150	3.4	3.8	452	1.64	0.3	6.0	4.0	9.7	119.0	0.11	0.23	0.83	27	1.13
1389700	Drill Core	8.27	20.15	77.49	11.00	26.2	587	7.5	6.6	542	2.51	14.6	6.3	16.1	8.7	131.8	0.26	0.30	3.47	27	1.09
1389701	Drill Core	6.88	120.6	111.4	10.40	138.0	615	22.1	13.8	1363	4.18	44.2	5.8	8.0	4.7	62.2	1.97	1.23	2.11	95	1.05
1389702	Drill Core	6.34	1527	138.4	17.68	57.1	1258	31.5	10.2	1185	4.02	5.6	4.8	26.4	5.6	115.1	0.90	1.51	7.62	86	1.66
1389703	Drill Core	3.93	826.3	80.81	21.88	36.4	1386	9.9	4.7	983	2.16	10.1	5.8	10.4	12.4	130.2	0.77	5.88	2.79	34	1.09
1389704	Drill Core	8.11	283.7	70.78	81.39	215.6	2216	14.4	5.7	1749	2.59	41.9	5.8	15.6	7.1	73.2	4.73	7.19	7.17	41	1.21
1389705	Drill Core	7.72	210.0	71.98	47.35	140.3	1670	12.0	5.3	1148	2.32	57.3	5.6	39.2	10.5	69.0	2.44	7.57	3.16	20	0.65
1389706	Drill Core	3.98	1405	72.54	40.49	71.0	2104	8.8	5.1	1075	2.24	32.7	4.3	18.9	7.6	209.8	1.58	3.85	8.22	23	1.35
1389707	Rock	0.30	0.50	0.59	0.76	4.6	11	0.7	1.0	215	0.43	0.8	0.4	<0.2	<0.1	39.0	0.04	0.03	0.07	<2	21.27
1389708	Rock Pulp	0.07	344.9	3190	21.62	53.5	1794	28.1	7.6	401	3.02	11.8	0.3	850.1	1.1	31.0	0.49	2.92	0.52	48	0.61
1389709	Drill Core	4.11	556.0	40.28	16.44	38.5	539	12.2	5.0	1057	1.74	4.6	3.4	8.7	5.7	192.2	0.53	1.29	1.60	37	1.71
1389710	Drill Core	3.80	1107	53.68	31.23	67.2	1022	7.5	3.7	1576	2.03	6.0	3.5	17.6	5.6	245.5	1.60	0.81	3.27	23	1.79
1389711	Drill Core	4.08	327.1	50.95	49.92	38.1	2147	4.5	3.5	1585	1.97	17.6	2.9	45.5	4.9	212.3	0.80	1.29	11.06	13	1.26
1389712	Drill Core	4.04	651.9	53.43	19.06	61.1	579	12.4	4.8	1218	2.04	8.0	3.9	14.1	6.9	208.3	1.01	0.77	1.92	48	2.03
1389713	Drill Core	4.01	380.2	86.16	23.38	182.2	975	26.7	8.1	4178	3.32	19.0	4.5	14.9	7.2	237.4	4.10	1.80	1.83	51	2.75
1389714	Drill Core	7.20	272.4	74.91	17.72	120.5	884	23.7	7.7	2271	3.06	11.0	4.2	14.7	7.9	94.7	1.75	2.34	2.52	74	1.18
1389715	Drill Core	8.64	838.8	88.76	38.29	127.0	1174	25.0	7.7	1755	3.03	35.7	3.7	19.0	6.2	215.0	2.38	1.93	3.68	54	2.55
1389716	Drill Core	8.59	262.1	67.66	22.03	95.8	841	14.2	5.8	1316	2.35	76.9	4.6	37.6	8.2	146.5	1.42	4.66	1.91	33	1.30
1389717	Drill Core	8.18	183.1	54.86	29.11	88.3	1101	17.3	7.4	1536	2.53	110.3	2.9	78.3	4.3	338.0	1.02	6.71	4.83	40	2.92
1389718	Drill Core	4.47	501.9	60.77	8.45	79.1	436	36.0	11.9	989	2.86	23.2	2.5	15.0	3.0	526.7	0.60	11.63	1.83	57	3.97

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Project: Stewart
Report Date: October 28, 2011

CERTIFICATE OF ANALYSIS VAN11004534.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389689	Drill Core	0.053	7.6	11.9	0.39	59.3	0.008	4	0.44	0.023	0.32	2.5	3.1	0.15	1.09	<5	1.0	0.28	1.9	1.15	<0.1
1389690	Drill Core	0.052	9.0	18.5	0.49	50.3	0.033	2	0.48	0.044	0.26	0.6	2.5	0.14	0.62	<5	0.9	0.03	2.1	1.19	<0.1
1389691	Drill Core	0.037	10.6	14.1	0.43	47.7	0.009	2	0.43	0.038	0.28	1.9	3.6	0.13	0.85	<5	0.8	0.06	2.1	1.05	<0.1
1389692	Drill Core	0.045	13.1	16.2	0.35	46.2	0.040	<1	0.48	0.064	0.17	2.1	2.4	0.08	0.54	<5	1.0	0.05	2.4	1.17	<0.1
1389693	Drill Core	0.034	13.2	5.1	0.25	45.1	0.029	<1	0.33	0.059	0.16	<0.1	1.3	0.07	0.61	<5	0.9	0.04	1.6	0.75	<0.1
1389694	Drill Core	0.061	12.5	14.4	0.48	40.2	0.032	<1	0.61	0.048	0.21	11.2	2.8	0.13	1.06	<5	1.2	0.07	2.7	1.38	<0.1
1389695	Drill Core	0.063	11.9	23.9	0.61	40.8	0.044	<1	0.68	0.055	0.15	23.8	3.8	0.08	0.93	<5	1.5	0.06	3.1	1.17	0.1
1389696	Drill Core	0.062	9.9	22.9	0.63	48.0	0.022	<1	0.54	0.045	0.22	24.1	4.3	0.12	0.47	<5	1.2	0.05	2.2	2.37	<0.1
1389697	Drill Core	0.037	10.5	11.1	0.34	52.3	0.010	2	0.38	0.029	0.20	8.2	2.7	0.11	0.65	8	1.0	0.05	1.6	1.82	<0.1
1389698	Drill Core	0.040	16.1	2.8	0.23	40.1	0.034	<1	0.29	0.048	0.15	5.4	1.0	0.07	0.88	<5	1.0	0.08	1.5	0.73	<0.1
1389699	Drill Core	0.030	17.9	4.2	0.22	44.0	0.036	<1	0.30	0.045	0.18	19.7	1.1	0.06	0.72	<5	0.8	<0.02	1.6	0.80	<0.1
1389700	Drill Core	0.032	11.7	9.8	0.30	50.2	0.028	<1	0.37	0.042	0.24	>100	0.8	0.16	1.42	<5	1.6	0.34	1.9	1.02	<0.1
1389701	Drill Core	0.109	12.6	12.5	0.63	57.1	0.068	1	1.06	0.071	0.26	24.2	5.7	0.20	0.86	<5	1.6	0.13	4.5	2.34	0.2
1389702	Drill Core	0.093	13.2	35.4	0.50	53.4	0.041	<1	0.65	0.020	0.31	67.5	4.7	0.24	1.70	<5	2.5	0.31	3.0	2.38	0.2
1389703	Drill Core	0.044	18.2	4.8	0.27	56.6	0.039	2	0.37	0.042	0.24	18.2	1.9	0.11	1.07	<5	1.4	0.17	2.0	0.83	<0.1
1389704	Drill Core	0.070	9.6	6.5	0.18	99.4	0.020	3	0.70	0.021	0.27	23.2	2.9	0.11	0.24	<5	0.7	0.33	2.5	0.87	<0.1
1389705	Drill Core	0.042	10.3	3.2	0.11	79.3	0.006	3	0.44	0.027	0.22	23.4	1.9	0.09	0.51	<5	0.9	0.18	1.8	0.63	<0.1
1389706	Drill Core	0.046	11.9	5.2	0.31	58.8	0.008	2	0.33	0.016	0.29	6.9	2.2	0.15	1.23	<5	1.3	0.59	1.5	0.83	<0.1
1389707	Rock	0.016	<0.5	<0.5	10.79	8.1	<0.001	<1	0.02	0.002	0.01	<0.1	0.4	<0.02	<0.02	<5	0.2	<0.02	<0.1	0.06	<0.1
1389708	Rock Pulp	0.046	4.8	30.9	0.53	109.6	0.097	4	1.20	0.086	0.10	0.6	3.6	0.08	0.37	93	1.0	0.15	4.4	0.37	<0.1
1389709	Drill Core	0.047	7.9	15.2	0.53	49.9	0.034	2	0.70	0.034	0.32	1.7	2.9	0.16	0.65	<5	1.2	0.12	2.4	1.18	<0.1
1389710	Drill Core	0.048	11.1	6.2	0.45	57.6	0.009	2	0.33	0.014	0.30	1.3	2.5	0.14	0.96	6	0.8	0.14	1.5	0.84	<0.1
1389711	Drill Core	0.040	9.7	2.4	0.30	58.2	0.008	2	0.29	0.021	0.25	1.9	1.7	0.09	0.94	<5	1.0	0.26	1.2	0.43	<0.1
1389712	Drill Core	0.054	13.4	23.5	0.59	60.4	0.029	2	0.62	0.027	0.40	3.5	3.8	0.30	0.80	<5	1.1	0.15	2.5	2.57	<0.1
1389713	Drill Core	0.066	9.2	30.7	0.94	79.2	0.019	3	0.75	0.022	0.44	24.2	6.5	0.30	1.18	<5	1.5	0.14	3.2	2.25	<0.1
1389714	Drill Core	0.066	13.6	37.9	0.75	125.8	0.041	2	0.89	0.033	0.40	3.3	6.2	0.35	0.50	10	1.2	0.10	3.3	3.26	<0.1
1389715	Drill Core	0.065	7.9	27.5	0.78	55.2	0.035	2	0.69	0.029	0.38	6.5	4.5	0.31	1.34	7	2.0	0.16	2.8	2.60	<0.1
1389716	Drill Core	0.049	9.7	19.8	0.37	74.6	0.012	3	0.46	0.020	0.30	1.6	3.9	0.23	0.60	10	1.0	0.08	2.0	1.71	<0.1
1389717	Drill Core	0.056	8.2	20.5	0.67	52.0	0.011	4	0.47	0.034	0.24	7.7	5.4	0.12	0.85	<5	1.4	0.19	1.8	1.39	<0.1
1389718	Drill Core	0.091	7.9	28.5	1.21	43.3	0.051	6	0.47	0.036	0.25	1.3	7.1	0.16	0.88	8	2.4	0.06	2.0	1.76	<0.1

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CERTIFICATE OF ANALYSIS VAN11004534.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1389689	Drill Core	0.06	0.04	19.6	0.4	<0.05	2.2	5.14	14.0	0.03	34	0.4	7.2	<10	<2	
1389690	Drill Core	0.09	0.13	16.0	0.4	<0.05	2.1	6.46	16.0	0.03	19	0.4	9.3	<10	<2	
1389691	Drill Core	0.11	0.12	17.4	0.3	<0.05	2.5	5.95	17.9	0.04	25	0.4	7.0	<10	<2	
1389692	Drill Core	0.13	0.23	9.7	0.3	<0.05	2.2	6.90	22.1	0.02	28	0.7	8.9	<10	<2	
1389693	Drill Core	0.12	0.53	9.9	0.3	<0.05	2.2	5.46	23.1	<0.02	21	0.3	4.2	<10	<2	
1389694	Drill Core	0.11	0.26	14.6	0.3	<0.05	2.0	7.98	21.1	0.03	32	0.6	11.0	<10	<2	
1389695	Drill Core	0.10	0.21	8.7	0.4	<0.05	2.1	7.42	19.9	0.02	19	0.8	15.1	<10	<2	
1389696	Drill Core	0.09	0.06	13.0	0.2	<0.05	2.1	8.84	17.7	<0.02	13	0.8	13.9	<10	<2	
1389697	Drill Core	0.09	0.08	12.1	0.2	<0.05	1.8	6.57	19.0	0.02	26	0.4	8.3	<10	<2	
1389698	Drill Core	0.12	0.88	9.3	0.3	<0.05	2.0	5.52	27.2	<0.02	42	0.4	5.1	<10	<2	
1389699	Drill Core	0.14	0.63	10.9	0.3	<0.05	2.6	5.18	28.9	<0.02	4	0.4	5.6	<10	<2	
1389700	Drill Core	0.13	0.31	15.8	0.2	<0.05	2.8	4.59	20.0	0.02	17	0.3	7.2	<10	<2	0.062
1389701	Drill Core	0.18	0.22	19.2	0.6	<0.05	4.1	9.28	21.8	0.04	49	0.8	17.0	<10	<2	
1389702	Drill Core	0.22	0.53	31.2	0.4	<0.05	4.2	9.20	21.9	<0.02	605	0.5	18.9	<10	<2	
1389703	Drill Core	0.17	1.84	15.5	0.5	<0.05	3.1	6.46	30.3	<0.02	342	0.6	7.2	<10	<2	
1389704	Drill Core	0.17	0.10	13.4	0.5	<0.05	4.3	6.94	16.2	0.04	41	0.6	8.0	<10	2	
1389705	Drill Core	0.17	0.14	10.3	0.3	<0.05	4.6	5.55	17.3	0.03	61	0.5	3.4	<10	<2	
1389706	Drill Core	0.09	0.14	18.1	0.3	<0.05	2.3	5.34	21.0	0.02	609	0.2	6.6	<10	<2	
1389707	Rock	<0.02	<0.02	0.4	<0.1	<0.05	<0.1	0.62	0.7	<0.02	<1	<0.1	0.8	<10	<2	
1389708	Rock Pulp	0.25	0.11	4.0	1.7	<0.05	7.1	6.95	10.5	0.04	263	0.2	7.9	<10	3	
1389709	Drill Core	0.11	0.14	21.3	0.4	<0.05	2.4	4.90	13.1	<0.02	257	0.3	15.1	<10	<2	
1389710	Drill Core	0.08	0.11	19.0	0.2	<0.05	2.0	6.40	18.1	0.02	436	0.2	8.6	<10	<2	
1389711	Drill Core	0.08	0.18	13.1	0.2	<0.05	1.6	6.68	17.8	0.04	164	0.1	4.2	<10	<2	
1389712	Drill Core	0.14	0.37	35.5	0.4	<0.05	2.8	6.33	22.6	0.02	259	0.4	16.6	<10	<2	
1389713	Drill Core	0.13	0.12	39.0	0.8	<0.05	2.9	9.38	15.4	0.08	190	0.6	19.1	<10	3	
1389714	Drill Core	0.13	0.19	37.7	0.4	<0.05	2.6	10.52	21.8	0.04	116	0.6	21.4	<10	<2	
1389715	Drill Core	0.13	0.19	35.5	0.4	<0.05	2.5	7.41	14.1	0.03	366	0.4	19.4	<10	<2	
1389716	Drill Core	0.12	0.07	22.7	0.3	<0.05	2.9	6.30	17.2	0.04	111	0.4	11.9	<10	2	
1389717	Drill Core	0.11	0.08	14.0	0.3	<0.05	1.9	7.05	15.2	0.04	77	0.5	9.3	<10	3	
1389718	Drill Core	0.13	0.35	18.0	0.3	<0.05	2.2	8.46	15.2	0.03	224	0.7	11.9	<10	3	

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CERTIFICATE OF ANALYSIS VAN11004534.1

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389719	Drill Core	4.31	1130	47.70	17.51	52.8	526	13.4	4.4	1355	2.14	21.9	5.6	17.1	10.7	273.4	0.66	5.60	2.83	56	2.65
1389720	Drill Core	3.68	552.4	67.25	18.06	58.7	665	15.3	7.6	1240	2.45	23.6	2.8	12.4	5.0	259.5	0.74	7.40	1.49	32	2.07
1389721	Drill Core	4.74	1817	53.74	28.99	79.7	1015	22.1	7.1	1527	2.67	16.4	3.9	20.9	6.1	332.2	0.87	3.03	4.27	75	2.80
1389722	Drill Core	4.06	920.3	47.59	28.34	39.6	747	14.6	4.7	1398	1.97	28.4	3.9	14.8	6.5	242.8	0.73	1.34	3.28	44	2.25
1389723	Drill Core	4.44	1018	55.69	11.65	42.9	531	16.2	5.6	1215	2.38	4.7	4.3	15.7	6.5	203.8	0.38	0.78	2.93	71	2.70
1389724	Drill Core	8.62	1237	60.18	23.20	67.1	774	13.3	5.3	1261	2.40	8.7	4.2	18.9	6.1	216.7	0.65	1.17	3.04	66	2.83
1389725	Drill Core	4.03	691.9	49.58	15.55	30.2	466	9.6	4.1	1107	2.15	15.4	4.1	18.1	6.3	358.9	0.43	7.17	2.03	25	2.63
1389726	Drill Core	4.05	570.1	86.59	10.72	32.9	377	13.7	5.6	1025	2.60	40.4	4.4	16.6	5.8	249.7	0.38	0.82	1.74	45	2.65
1389727	Rock	0.20	0.44	0.37	0.64	3.7	<2	<0.1	0.7	152	0.32	0.4	0.5	<0.2	<0.1	31.5	0.05	<0.02	<0.02	<2	18.25
1389728	Rock Pulp	0.08	996.3	8681	43.00	161.2	4056	36.2	18.6	506	4.33	30.6	0.5	608.2	1.4	41.0	1.47	5.62	1.28	96	0.89
1389729	Drill Core	4.40	422.4	82.58	9.36	53.9	285	20.7	9.0	1262	3.12	25.6	5.9	25.8	6.7	277.9	0.39	1.44	1.69	63	3.43
1389730	Drill Core	4.39	557.2	79.48	11.62	40.2	3194	12.5	6.6	1152	2.68	16.5	4.7	23.0	7.4	272.4	0.35	1.41	1.96	50	2.52
1389731	Drill Core	8.20	519.6	60.08	7.77	44.3	277	13.7	5.9	1127	2.32	4.2	3.7	24.2	5.4	166.2	0.57	0.57	1.58	63	2.30
1389732	Drill Core	8.70	418.1	48.70	8.22	23.6	309	8.0	4.3	779	1.87	3.8	3.3	24.1	5.5	157.6	0.38	0.19	1.57	43	1.71
1389733	Drill Core	9.41	356.8	52.15	10.53	48.5	350	16.7	7.1	928	2.15	3.9	3.9	15.2	4.8	232.3	0.57	0.77	1.02	41	1.90
1389734	Drill Core	8.44	364.2	33.98	27.88	69.5	376	4.1	2.8	801	1.43	4.4	3.0	9.0	4.9	198.4	1.07	0.31	1.15	24	1.50
1389735	Drill Core	8.07	280.0	68.76	14.40	41.0	477	6.2	3.3	1517	2.16	3.1	4.7	6.8	6.1	217.7	0.88	0.50	1.44	26	1.89
1389736	Drill Core	8.28	151.5	45.51	17.26	36.1	485	5.7	3.5	793	1.72	7.1	3.9	8.6	6.9	194.5	0.32	1.19	1.09	26	1.79
1389737	Drill Core	8.86	183.2	31.31	8.65	24.3	202	5.2	2.9	731	1.41	8.4	3.9	3.3	5.5	228.4	0.27	0.95	0.59	23	1.44
1389738	Drill Core	8.51	210.9	43.50	12.18	31.2	337	4.6	3.1	1308	1.72	19.2	4.1	5.9	6.3	298.3	0.56	1.74	0.93	19	2.32
1389739	Drill Core	8.11	66.23	62.23	9.73	25.7	238	8.7	4.4	798	2.10	12.9	3.6	4.6	6.1	200.4	0.31	0.68	0.84	33	2.03
1389740	Drill Core	8.49	67.37	81.99	14.95	43.0	743	9.6	7.2	945	2.75	40.4	3.4	10.9	4.9	295.8	0.54	2.11	1.05	24	2.03
1389741	Drill Core	8.62	26.97	52.24	29.09	95.1	947	2.7	3.0	868	1.67	13.3	3.4	8.3	5.2	334.0	1.30	1.04	1.22	9	2.15
1389742	Drill Core	4.04	76.31	43.57	14.06	29.0	530	9.0	4.3	658	1.76	59.0	3.3	8.5	5.4	313.5	0.31	1.80	0.66	14	2.21
1389743	Drill Core	3.65	109.5	63.79	34.77	145.0	621	12.6	5.7	883	2.43	28.2	2.4	10.9	4.4	262.1	1.11	2.50	1.05	48	2.63
1389744	Drill Core	8.01	32.45	40.37	18.15	33.8	470	1.6	2.9	634	1.48	33.6	3.4	2.9	4.9	211.3	0.30	0.59	0.72	10	1.65
1389745	Drill Core	7.84	42.53	39.07	23.58	36.9	517	1.3	2.8	690	1.38	12.7	2.4	4.9	4.3	241.2	0.32	0.57	0.74	9	1.85
1389746	Drill Core	4.31	92.86	52.02	7.20	23.7	208	8.3	4.5	532	1.68	7.1	3.1	4.1	4.8	187.4	0.20	0.37	0.79	28	1.53
1389747	Rock	0.24	0.32	0.67	1.18	15.1	4	0.7	0.6	204	0.37	0.2	0.8	<0.2	<0.1	41.1	0.05	<0.02	0.04	<2	18.50
1389748	Rock Pulp	0.08	334.6	3185	22.62	53.1	1782	27.6	7.7	405	2.98	12.3	0.3	1001	1.1	30.5	0.41	3.31	0.57	47	0.58

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Project: Stewart
Report Date: October 28, 2011

CERTIFICATE OF ANALYSIS VAN11004534.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389719	Drill Core	0.067	10.2	20.6	0.75	53.1	0.032	2	0.43	0.022	0.32	9.2	4.1	0.24	0.88	6	1.1	0.14	2.1	2.30	<0.1
1389720	Drill Core	0.056	9.9	15.0	0.57	58.4	0.026	4	0.35	0.022	0.23	28.0	3.7	0.12	0.98	<5	1.4	0.07	1.5	1.05	<0.1
1389721	Drill Core	0.061	6.8	32.5	1.14	71.4	0.052	3	0.66	0.030	0.44	3.1	5.3	0.36	0.91	<5	1.6	0.20	2.9	3.42	<0.1
1389722	Drill Core	0.047	10.3	18.9	0.59	61.6	0.026	3	0.43	0.026	0.39	33.2	3.3	0.30	0.91	<5	1.2	0.17	2.1	2.33	<0.1
1389723	Drill Core	0.058	11.8	32.9	0.89	49.4	0.042	2	0.59	0.027	0.48	25.2	5.0	0.46	0.90	<5	1.3	0.16	3.0	4.70	<0.1
1389724	Drill Core	0.057	12.7	25.6	0.78	56.3	0.027	2	0.56	0.026	0.44	0.9	4.8	0.40	0.96	14	1.3	0.20	2.8	3.58	<0.1
1389725	Drill Core	0.049	11.9	8.1	0.62	54.1	0.009	3	0.28	0.027	0.23	2.2	3.5	0.12	0.88	<5	1.1	0.07	1.3	1.14	<0.1
1389726	Drill Core	0.044	9.8	18.0	0.63	54.9	0.017	2	0.38	0.020	0.35	33.0	3.4	0.30	1.19	<5	1.7	0.13	2.3	3.04	<0.1
1389727	Rock	0.015	<0.5	0.9	9.27	30.2	<0.001	<1	0.02	0.002	0.01	<0.1	0.3	<0.02	<0.02	6	0.2	<0.02	<0.1	0.05	<0.1
1389728	Rock Pulp	0.082	6.8	60.8	1.02	71.8	0.123	5	1.72	0.108	0.53	14.4	7.2	0.43	1.92	103	5.1	0.58	5.9	2.24	<0.1
1389729	Drill Core	0.062	10.2	36.2	0.80	45.0	0.049	3	0.48	0.038	0.33	25.1	5.0	0.32	1.41	<5	1.9	0.06	2.7	3.65	<0.1
1389730	Drill Core	0.048	15.8	21.7	0.68	56.7	0.037	3	0.44	0.029	0.37	21.5	4.0	0.28	1.20	<5	1.6	0.08	2.4	3.02	<0.1
1389731	Drill Core	0.060	9.8	31.8	0.71	66.5	0.059	1	0.59	0.040	0.43	4.0	3.8	0.30	0.94	<5	1.4	0.09	2.6	2.97	0.1
1389732	Drill Core	0.049	16.2	11.3	0.43	61.9	0.040	1	0.43	0.041	0.27	4.0	2.4	0.16	0.79	<5	1.4	0.14	2.1	1.51	<0.1
1389733	Drill Core	0.064	9.3	20.4	0.57	53.3	0.041	2	0.56	0.031	0.21	28.1	2.9	0.11	0.78	<5	1.6	0.10	2.1	1.00	<0.1
1389734	Drill Core	0.045	15.3	6.9	0.31	71.5	0.025	1	0.34	0.035	0.23	0.5	1.9	0.13	0.57	<5	1.0	0.06	1.6	1.16	<0.1
1389735	Drill Core	0.039	10.4	9.4	0.43	51.7	0.016	1	0.35	0.025	0.31	0.7	2.2	0.19	0.90	<5	1.0	0.06	1.8	1.67	<0.1
1389736	Drill Core	0.045	14.1	7.6	0.32	42.4	0.021	1	0.37	0.040	0.20	0.5	1.8	0.11	0.78	<5	0.9	0.02	2.0	0.94	<0.1
1389737	Drill Core	0.045	14.5	5.9	0.28	53.0	0.029	2	0.30	0.046	0.19	11.7	1.4	0.08	0.47	<5	0.7	0.03	1.4	0.83	<0.1
1389738	Drill Core	0.043	12.2	6.0	0.38	45.4	0.009	3	0.30	0.028	0.24	3.6	2.0	0.12	0.69	<5	0.8	0.04	1.4	1.14	<0.1
1389739	Drill Core	0.041	10.8	15.1	0.37	54.6	0.024	2	0.42	0.037	0.28	2.6	2.0	0.17	0.97	<5	1.2	0.07	2.1	1.49	<0.1
1389740	Drill Core	0.053	10.7	9.8	0.40	69.9	0.007	4	0.44	0.033	0.23	81.9	1.9	0.10	1.45	<5	2.0	0.08	1.8	1.01	<0.1
1389741	Drill Core	0.041	11.3	4.9	0.30	199.9	0.001	3	0.31	0.028	0.19	0.5	1.6	0.07	0.58	10	0.7	0.05	1.3	0.70	<0.1
1389742	Drill Core	0.040	10.4	7.7	0.38	87.8	0.002	3	0.29	0.026	0.18	0.5	2.3	0.08	0.71	<5	1.1	0.06	1.3	0.75	<0.1
1389743	Drill Core	0.061	13.5	19.8	0.50	36.0	0.017	3	0.66	0.037	0.16	1.9	3.0	0.08	0.87	<5	1.4	0.05	2.4	1.56	<0.1
1389744	Drill Core	0.034	12.5	4.6	0.22	42.1	0.003	2	0.31	0.031	0.19	0.8	1.0	0.08	0.63	<5	0.9	0.04	1.4	0.60	<0.1
1389745	Drill Core	0.040	12.3	3.8	0.19	50.3	0.003	1	0.36	0.025	0.19	0.3	1.0	0.08	0.57	<5	0.6	0.04	1.4	0.82	<0.1
1389746	Drill Core	0.049	14.6	6.7	0.22	97.1	0.024	<1	0.35	0.041	0.19	1.0	1.4	0.09	0.72	<5	1.0	<0.02	1.6	0.75	<0.1
1389747	Rock	0.015	<0.5	<0.5	12.17	7.6	<0.001	1	<0.01	0.001	<0.01	<0.1	0.1	<0.02	<0.02	<5	0.3	<0.02	<0.1	0.03	<0.1
1389748	Rock Pulp	0.045	4.7	29.6	0.52	112.1	0.093	5	1.10	0.076	0.10	0.9	3.3	0.08	0.38	71	1.0	0.14	3.9	0.37	<0.1

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Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1389719	Drill Core	0.12	0.23	26.0	0.3	<0.05	3.2	6.18	17.1	0.02	475	0.4	17.7	<10	<2	
1389720	Drill Core	0.15	0.43	14.1	0.2	<0.05	2.2	6.03	18.7	0.02	218	0.4	8.6	<10	<2	
1389721	Drill Core	0.13	0.17	37.4	0.3	<0.05	2.7	6.88	12.6	0.04	819	0.4	21.7	<10	<2	
1389722	Drill Core	0.11	0.15	34.4	0.2	<0.05	2.5	5.95	17.0	0.03	395	0.2	14.7	<10	<2	
1389723	Drill Core	0.15	0.34	55.2	0.3	<0.05	3.2	7.13	20.3	0.02	428	0.4	26.0	<10	<2	
1389724	Drill Core	0.13	0.28	45.8	0.3	<0.05	2.6	7.32	22.0	<0.02	538	0.4	22.4	<10	<2	
1389725	Drill Core	0.24	0.25	14.4	0.2	<0.05	2.2	6.13	21.8	0.02	315	0.4	5.2	<10	<2	
1389726	Drill Core	0.16	0.18	35.5	0.2	<0.05	2.5	5.86	16.9	<0.02	274	0.3	15.3	<10	<2	
1389727	Rock	<0.02	<0.02	0.4	<0.1	<0.05	<0.1	0.51	0.7	<0.02	<1	<0.1	0.5	<10	<2	
1389728	Rock Pulp	0.17	0.09	27.5	1.4	<0.05	4.7	9.79	15.7	0.08	837	0.3	8.7	<10	<2	
1389729	Drill Core	0.19	0.52	35.2	0.3	<0.05	3.5	6.74	17.6	0.04	194	0.6	18.3	<10	<2	
1389730	Drill Core	0.21	0.83	36.6	0.4	<0.05	4.1	6.27	25.7	0.04	247	0.5	18.9	<10	<2	
1389731	Drill Core	0.15	0.43	36.8	0.3	<0.05	3.2	5.73	16.2	<0.02	203	0.4	20.5	*	<2	
1389732	Drill Core	0.13	0.50	21.8	0.4	<0.05	2.6	6.69	26.3	<0.02	190	0.4	13.0	*	<2	
1389733	Drill Core	0.10	0.13	14.9	0.3	<0.05	1.9	5.70	15.7	<0.02	166	0.5	13.3	*	<2	
1389734	Drill Core	0.11	0.54	18.9	0.4	<0.05	2.1	5.96	26.0	<0.02	175	0.3	8.6	*	<2	
1389735	Drill Core	0.14	0.26	26.1	0.3	<0.05	2.3	6.19	18.7	0.02	102	0.3	9.7	<10	<2	
1389736	Drill Core	0.10	0.41	14.0	0.2	<0.05	1.8	6.30	25.6	<0.02	106	0.5	6.9	<10	<2	
1389737	Drill Core	0.09	0.57	11.2	0.2	<0.05	1.8	6.19	26.7	<0.02	218	0.4	5.3	<10	<2	
1389738	Drill Core	0.09	0.19	16.5	0.2	<0.05	2.0	6.42	22.4	0.03	86	0.3	5.4	<10	<2	
1389739	Drill Core	0.11	0.27	21.0	0.3	<0.05	2.3	6.20	19.7	0.03	34	0.3	9.0	<10	<2	
1389740	Drill Core	0.06	0.06	13.8	0.2	<0.05	1.4	6.67	19.9	0.02	39	0.6	7.3	<10	<2	
1389741	Drill Core	0.04	0.03	9.0	0.1	<0.05	1.2	6.23	23.3	0.03	15	0.4	3.6	<10	<2	
1389742	Drill Core	0.05	0.05	10.0	<0.1	<0.05	1.2	5.34	18.7	<0.02	34	0.4	3.9	<10	<2	
1389743	Drill Core	0.07	0.12	10.7	0.2	<0.05	1.3	8.48	25.1	<0.02	63	0.7	13.4	<10	<2	
1389744	Drill Core	0.06	0.06	10.1	0.1	<0.05	1.1	5.15	24.0	<0.02	15	0.2	4.5	<10	<2	
1389745	Drill Core	0.06	0.06	10.5	0.2	<0.05	0.9	6.35	21.8	<0.02	19	0.3	5.0	10	<2	
1389746	Drill Core	0.11	0.27	11.4	0.2	<0.05	1.5	6.06	26.5	<0.02	42	0.3	5.3	22	<2	
1389747	Rock	<0.02	<0.02	0.2	<0.1	<0.05	<0.1	0.64	0.7	<0.02	<1	<0.1	0.3	<10	<2	
1389748	Rock Pulp	0.27	0.10	3.8	1.9	<0.05	6.5	6.44	10.6	<0.02	277	0.2	7.7	*	3	

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Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389749	Drill Core	4.44	292.9	51.16	7.84	20.1	305	6.7	4.3	571	1.63	11.8	2.9	4.1	4.7	195.3	0.28	0.48	1.00	20	1.70
1389750	Drill Core	4.15	176.9	47.93	5.61	14.6	205	1.0	3.0	499	1.37	12.0	2.4	5.4	4.1	144.0	0.12	0.55	1.04	19	1.47
1389751	Drill Core	3.36	134.9	42.47	22.62	22.5	542	1.0	3.1	527	1.43	24.4	2.4	6.1	4.2	174.2	0.28	0.63	0.94	5	1.61
1389752	Drill Core	3.29	136.5	46.70	10.87	23.1	393	0.8	3.1	521	1.48	14.3	2.3	5.8	3.7	195.1	0.20	0.31	1.15	13	1.73
1389753	Drill Core	4.78	218.5	48.26	5.95	17.2	212	1.3	3.3	406	1.66	6.3	2.2	3.2	3.8	177.0	0.11	0.44	1.60	17	1.53
1389754	Drill Core	4.09	201.1	46.39	13.42	46.0	367	0.9	3.2	446	1.58	7.9	2.1	4.3	4.0	196.5	0.36	0.38	1.80	20	1.55
1389755	Drill Core	3.59	275.4	49.64	72.98	173.3	1020	1.4	3.1	571	1.36	29.0	3.1	5.9	4.8	241.6	1.33	0.69	1.31	9	1.70
1389756	Drill Core	4.10	192.0	39.36	28.80	58.7	611	0.8	2.5	647	1.34	20.4	2.9	3.7	4.6	350.6	0.56	0.44	1.12	7	2.12
1389757	Drill Core	3.80	261.7	43.86	17.43	30.4	426	1.0	2.7	427	1.45	24.1	2.9	8.2	5.2	270.3	0.29	0.54	0.90	10	1.44
1389758	Drill Core	3.95	205.4	59.43	10.39	49.4	285	1.0	3.2	532	1.72	11.2	2.4	2.9	5.1	270.5	0.85	0.28	0.91	14	1.87
1389759	Drill Core	4.42	371.1	73.03	5.89	24.8	268	0.8	2.5	300	1.80	9.5	2.7	4.0	6.6	158.5	0.18	0.19	0.80	25	1.02
1389760	Drill Core	4.19	141.7	39.53	5.64	12.5	162	0.8	2.5	384	1.37	2.8	2.9	2.1	5.0	200.3	0.09	0.19	0.66	17	1.25
1389761	Drill Core	4.23	168.2	44.91	4.52	12.3	134	0.9	2.9	301	1.50	1.2	3.4	3.0	5.4	157.2	0.09	0.10	1.66	19	1.01
1389762	Drill Core	4.03	91.17	37.66	5.35	8.2	125	0.7	2.2	323	1.25	5.6	5.6	2.3	6.5	167.4	0.08	0.17	0.66	13	1.06
1389763	Drill Core	4.30	168.5	44.62	7.72	31.9	207	0.7	2.1	518	1.46	27.2	3.5	3.6	4.8	252.7	0.60	0.56	0.72	16	1.43
1389764	Drill Core	3.29	319.8	33.50	11.81	12.6	360	0.6	2.5	542	1.40	29.3	4.6	6.8	7.7	324.2	0.15	0.85	1.34	8	1.64
1389765	Drill Core	4.51	98.39	43.11	8.49	19.3	258	0.7	2.2	516	1.51	23.7	4.5	10.5	6.6	337.7	0.23	0.91	0.68	14	1.38
1389766	Drill Core	7.84	123.7	101.5	23.18	47.8	1676	0.8	2.8	639	2.23	37.7	3.3	82.4	5.7	276.5	0.95	0.76	3.02	11	1.28
1389767	Drill Core	8.07	134.4	58.24	15.27	28.0	465	1.1	3.7	562	2.03	60.2	4.1	12.0	5.5	319.1	0.30	0.87	0.92	11	1.49
1389768	Drill Core	0.75	3.60	251.5	529.3	458.4	20850	2.5	34.3	3352	16.75	908.9	0.3	7095	0.2	255.7	12.72	1.45	43.82	<2	2.40
1389769	Drill Core	7.72	25.40	37.52	41.32	108.9	473	1.0	2.3	701	1.46	18.0	2.6	10.5	4.7	264.1	0.91	0.50	1.07	13	1.54
1389770	Drill Core	7.73	68.52	73.23	48.40	105.5	638	1.3	4.8	737	2.50	46.8	2.4	13.5	3.9	345.4	0.83	0.60	1.68	6	1.92

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Project: Stewart
Report Date: October 28, 2011

CERTIFICATE OF ANALYSIS VAN11004534.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389749	Drill Core	0.039	13.1	6.1	0.20	57.6	0.012	2	0.43	0.036	0.16	2.8	1.1	0.07	0.77	<5	1.2	0.03	2.0	0.55	<0.1
1389750	Drill Core	0.035	14.9	2.8	0.17	43.6	0.013	1	0.39	0.041	0.15	1.1	1.1	0.06	0.71	<5	0.6	0.07	1.7	0.71	<0.1
1389751	Drill Core	0.030	8.5	4.3	0.11	46.6	0.001	<1	0.37	0.022	0.17	1.3	0.8	0.08	0.84	<5	0.9	0.06	1.4	0.64	<0.1
1389752	Drill Core	0.034	12.7	2.6	0.16	63.3	0.007	1	0.41	0.037	0.15	14.2	1.1	0.06	0.67	<5	0.8	<0.02	1.9	0.58	<0.1
1389753	Drill Core	0.035	15.0	6.7	0.17	68.6	0.013	1	0.35	0.040	0.15	35.1	1.1	0.08	0.81	<5	1.0	0.11	1.7	0.74	<0.1
1389754	Drill Core	0.044	16.4	2.4	0.18	61.7	0.024	1	0.38	0.052	0.16	2.4	1.1	0.08	0.70	<5	0.9	0.09	1.7	0.77	<0.1
1389755	Drill Core	0.036	13.1	4.2	0.16	35.5	0.003	1	0.33	0.028	0.17	4.1	1.0	0.09	0.55	<5	1.0	0.07	1.4	0.72	<0.1
1389756	Drill Core	0.027	9.7	2.5	0.15	124.1	0.002	1	0.34	0.035	0.21	23.7	0.9	0.10	0.61	<5	1.0	0.04	1.4	0.69	<0.1
1389757	Drill Core	0.028	14.2	4.7	0.13	65.3	0.003	1	0.32	0.033	0.17	72.5	0.9	0.09	0.71	<5	0.8	0.04	1.4	0.64	<0.1
1389758	Drill Core	0.030	14.5	3.0	0.18	59.2	0.008	2	0.35	0.040	0.20	1.8	1.0	0.09	0.90	<5	1.1	0.02	1.7	0.74	<0.1
1389759	Drill Core	0.039	21.1	5.5	0.19	30.4	0.061	<1	0.32	0.057	0.15	2.9	0.8	0.07	0.96	<5	1.7	<0.02	2.0	0.71	<0.1
1389760	Drill Core	0.028	14.0	2.8	0.13	56.7	0.014	<1	0.33	0.048	0.18	4.3	0.8	0.07	0.67	<5	0.9	0.03	1.6	0.69	<0.1
1389761	Drill Core	0.030	13.2	5.8	0.12	49.0	0.026	<1	0.29	0.057	0.15	4.4	0.7	0.07	0.73	<5	1.0	0.03	1.5	0.57	<0.1
1389762	Drill Core	0.026	11.1	3.2	0.11	39.8	0.016	1	0.25	0.046	0.15	21.3	0.6	0.07	0.60	<5	0.6	<0.02	1.2	0.57	<0.1
1389763	Drill Core	0.038	10.8	4.2	0.14	48.9	0.013	2	0.31	0.044	0.16	22.4	0.9	0.07	0.67	<5	0.7	0.02	1.5	0.63	<0.1
1389764	Drill Core	0.028	9.8	1.9	0.12	62.5	0.002	2	0.32	0.036	0.15	3.9	0.8	0.06	0.64	<5	0.8	0.14	1.4	0.54	<0.1
1389765	Drill Core	0.033	11.4	4.4	0.13	38.4	0.007	3	0.27	0.047	0.14	7.8	0.8	0.06	0.68	<5	0.8	0.06	1.2	0.66	<0.1
1389766	Drill Core	0.030	12.0	2.7	0.15	49.3	0.005	3	0.37	0.039	0.21	43.1	0.8	0.08	0.96	<5	1.3	0.19	1.5	0.56	<0.1
1389767	Drill Core	0.030	11.5	3.7	0.15	44.4	0.005	2	0.29	0.034	0.16	5.5	1.0	0.08	1.05	<5	1.0	0.06	1.3	0.73	<0.1
1389768	Drill Core	0.001	0.8	4.1	0.60	3.8	<0.001	<1	0.08	0.004	0.06	7.0	0.8	0.07	>10	<5	10.0	2.95	0.5	0.22	0.1
1389769	Drill Core	0.028	11.8	2.7	0.15	37.0	0.005	2	0.32	0.037	0.17	83.7	1.0	0.07	0.56	<5	0.7	0.05	1.5	0.46	<0.1
1389770	Drill Core	0.025	7.9	4.7	0.14	81.8	0.001	2	0.29	0.025	0.18	>100	1.1	0.08	1.44	<5	1.7	0.07	1.1	0.45	<0.1

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Project: Stewart
Report Date: October 28, 2011

CERTIFICATE OF ANALYSIS VAN11004534.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1389749	Drill Core	0.06	0.12	9.1	0.2	<0.05	1.2	6.33	24.1	<0.02	116	0.3	7.6	*	<2	
1389750	Drill Core	0.06	0.19	8.7	0.2	<0.05	1.0	6.23	28.0	<0.02	112	0.5	6.3	40	<2	
1389751	Drill Core	0.03	0.04	8.6	<0.1	<0.05	0.6	5.29	15.8	<0.02	95	0.4	5.3	29	<2	
1389752	Drill Core	0.05	0.13	8.1	0.2	<0.05	0.7	6.34	23.1	<0.02	71	0.4	5.8	35	<2	
1389753	Drill Core	0.06	0.29	9.6	0.2	<0.05	1.1	6.41	27.4	<0.02	87	0.3	4.9	*	<2	
1389754	Drill Core	0.06	0.43	9.3	0.2	<0.05	1.4	7.40	31.1	<0.02	101	0.4	5.0	*	<2	
1389755	Drill Core	0.06	0.08	9.6	<0.1	<0.05	0.9	7.02	23.2	<0.02	114	0.3	4.0	*	<2	
1389756	Drill Core	0.04	0.06	11.7	<0.1	<0.05	0.9	6.22	17.8	<0.02	86	0.5	4.1	46	<2	
1389757	Drill Core	0.03	0.09	9.6	0.1	<0.05	0.8	5.64	23.5	<0.02	126	0.4	3.7	*	<2	
1389758	Drill Core	0.03	0.18	12.6	0.2	<0.05	0.8	7.38	25.4	<0.02	130	0.5	5.0	*	<2	
1389759	Drill Core	0.14	1.88	9.4	0.6	<0.05	2.1	8.59	37.8	<0.02	252	0.5	5.3	*	<2	
1389760	Drill Core	0.05	0.35	10.6	0.2	<0.05	1.0	5.04	23.9	<0.02	100	0.3	3.4	30	3	
1389761	Drill Core	0.07	0.69	9.0	0.2	<0.05	1.4	4.91	22.6	<0.02	69	0.3	3.7	29	2	
1389762	Drill Core	0.07	0.45	9.2	0.1	<0.05	1.2	4.38	19.6	<0.02	43	0.1	3.0	21	<2	
1389763	Drill Core	0.06	0.34	9.5	0.2	<0.05	1.0	5.59	20.7	<0.02	57	0.4	3.7	24	<2	
1389764	Drill Core	0.04	0.04	7.7	<0.1	<0.05	0.9	5.01	18.3	<0.02	137	0.4	3.7	*	<2	
1389765	Drill Core	0.08	0.20	6.9	0.2	<0.05	1.1	5.69	21.7	<0.02	30	0.6	2.0	<10	<2	
1389766	Drill Core	0.02	0.14	11.2	0.3	<0.05	0.9	4.75	21.1	<0.02	69	0.5	3.9	15	<2	
1389767	Drill Core	0.05	0.18	8.4	0.2	<0.05	1.0	5.69	21.1	<0.02	67	0.3	3.1	23	<2	
1389768	Drill Core	<0.02	0.04	3.7	0.1	<0.05	<0.1	9.23	1.8	0.13	2	<0.1	1.8	<10	<2	
1389769	Drill Core	0.03	0.14	8.6	0.2	<0.05	0.8	5.70	22.0	<0.02	18	0.6	3.5	<10	<2	
1389770	Drill Core	0.03	0.05	10.1	0.1	<0.05	0.6	5.72	15.0	<0.02	35	0.2	2.9	15	<2	0.032

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Project: Stewart
Report Date: October 28, 2011

QUALITY CONTROL REPORT VAN11004534.1

	Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	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		0.11	2.64	4.18	47.9	<2	2.7	4.1	582	2.17	0.5	1.5	0.4	5.7	49.4	0.05	0.05	0.12	37	0.46
1389620	Drill Core	8.52	170.9	78.54	5.38	45.1	215	13.9	7.0	798	2.26	2.8	4.7	18.2	7.3	109.5	0.57	0.08	1.48	40	2.16
REP 1389620	QC		164.3	78.00	5.33	44.9	205	13.4	6.8	809	2.28	2.5	4.6	13.9	7.6	110.6	0.52	0.10	1.50	40	2.19
1389636	Drill Core	8.80	20.90	76.43	70.75	15.4	14037	2.3	4.3	518	2.74	7.2	4.0	8211	6.5	272.8	1.10	7.74	170.6	14	1.08
REP 1389636	QC		21.77	78.38	70.76	16.1	14010	2.4	4.3	530	2.72	7.6	3.9	2657	6.4	275.3	1.12	7.60	168.8	14	1.08
1389643	Drill Core	8.01	54.23	36.59	10.34	33.8	135	0.8	2.3	501	1.34	3.6	2.7	3.2	5.2	172.6	0.34	0.17	0.50	22	1.14
REP 1389643	QC		55.42	36.86	10.53	36.4	148	0.8	2.4	517	1.39	4.1	2.8	3.9	5.5	174.7	0.33	0.19	0.53	23	1.15
1389664	Drill Core	4.14	301.0	197.8	126.7	131.6	7770	21.1	10.2	1201	4.30	0.3	7.5	27.5	7.9	124.7	2.68	0.87	71.82	77	1.87
REP 1389664	QC		297.6	189.0	121.6	131.5	7459	19.6	10.0	1144	4.14	0.4	7.2	23.0	7.6	121.7	2.81	0.83	68.06	77	1.80
1389677	Drill Core	8.31	95.83	85.47	30.34	35.6	1280	12.3	6.7	967	2.80	20.4	4.3	30.4	8.5	167.2	0.51	1.46	4.42	38	1.75
REP 1389677	QC		94.76	84.97	30.70	35.7	1363	12.3	6.4	949	2.81	20.2	4.3	20.3	8.5	168.1	0.46	1.43	4.55	39	1.79
1389706	Drill Core	3.98	1405	72.54	40.49	71.0	2104	8.8	5.1	1075	2.24	32.7	4.3	18.9	7.6	209.8	1.58	3.85	8.22	23	1.35
REP 1389706	QC		1428	72.76	41.21	73.0	2229	9.0	5.2	1100	2.28	32.1	4.4	19.1	8.0	215.0	1.44	3.87	8.48	23	1.33
1389718	Drill Core	4.47	501.9	60.77	8.45	79.1	436	36.0	11.9	989	2.86	23.2	2.5	15.0	3.0	526.7	0.60	11.63	1.83	57	3.97
REP 1389718	QC		520.0	63.41	8.75	79.1	478	36.6	11.9	1030	2.92	23.0	2.6	13.0	3.1	526.9	0.56	11.77	1.88	59	3.97
1389751	Drill Core	3.36	134.9	42.47	22.62	22.5	542	1.0	3.1	527	1.43	24.4	2.4	6.1	4.2	174.2	0.28	0.63	0.94	5	1.61
REP 1389751	QC		127.3	39.90	21.74	22.6	499	1.0	3.1	492	1.36	22.8	2.2	4.9	4.0	169.2	0.27	0.58	0.92	5	1.52
1389764	Drill Core	3.29	319.8	33.50	11.81	12.6	360	0.6	2.5	542	1.40	29.3	4.6	6.8	7.7	324.2	0.15	0.85	1.34	8	1.64
REP 1389764	QC		327.5	34.70	12.38	13.2	388	0.7	2.3	573	1.44	30.1	4.8	7.9	8.1	334.0	0.22	0.86	1.36	9	1.69
Core Reject Duplicates																					
1389606	Drill Core	7.37	166.8	152.4	48.10	386.3	4973	23.4	11.6	1227	4.60	46.5	5.0	49.1	6.7	158.5	16.53	3.65	51.70	65	1.05
DUP 1389606	QC		158.1	145.1	47.11	358.6	5123	22.3	10.9	1145	4.39	43.1	4.7	47.5	6.2	147.9	16.40	3.58	51.15	58	1.02
1389676	Drill Core	4.17	199.7	108.3	14.45	41.4	722	18.2	8.8	1526	3.63	106.3	4.3	21.8	6.5	274.4	0.64	3.60	2.07	31	3.32
DUP 1389676	QC		211.5	110.3	14.63	44.0	730	18.7	8.4	1524	3.60	114.1	4.4	23.3	6.3	273.2	0.69	3.77	2.01	31	3.35
1389711	Drill Core	4.08	327.1	50.95	49.92	38.1	2147	4.5	3.5	1585	1.97	17.6	2.9	45.5	4.9	212.3	0.80	1.29	11.06	13	1.26
DUP 1389711	QC		301.9	48.60	55.88	34.8	2496	4.0	3.1	1483	1.91	17.4	2.9	25.8	4.6	200.5	0.76	1.33	12.70	13	1.15
1389746	Drill Core	4.31	92.86	52.02	7.20	23.7	208	8.3	4.5	532	1.68	7.1	3.1	4.1	4.8	187.4	0.20	0.37	0.79	28	1.53
DUP 1389746	QC		88.16	51.13	7.24	21.7	209	7.8	4.4	497	1.60	7.2	2.9	3.4	4.7	180.5	0.25	0.39	0.74	27	1.47

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Project: Stewart
Report Date: October 28, 2011

QUALITY CONTROL REPORT VAN11004534.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
Pulp Duplicates																					
REP G1	QC	0.079	11.1	6.4	0.55	160.9	0.115	2	0.96	0.073	0.51	<0.1	1.9	0.33	<0.02	<5	<0.1	<0.02	4.8	2.93	0.1
1389620	Drill Core	0.052	11.7	20.8	0.42	40.6	0.046	<1	0.49	0.055	0.19	24.7	1.7	0.14	1.13	<5	1.6	0.06	2.3	1.11	<0.1
REP 1389620	QC	0.051	11.9	21.4	0.42	42.6	0.049	<1	0.50	0.054	0.19	25.6	1.8	0.13	1.14	<5	1.4	0.07	2.3	1.11	0.1
1389636	Drill Core	0.033	13.2	2.5	0.19	47.7	0.014	<1	0.27	0.029	0.21	65.1	1.1	0.11	1.43	24	1.9	2.88	1.2	0.76	<0.1
REP 1389636	QC	0.032	12.5	2.6	0.19	47.9	0.014	1	0.26	0.029	0.20	63.4	1.1	0.10	1.43	20	1.7	2.95	1.2	0.76	<0.1
1389643	Drill Core	0.038	15.4	1.2	0.17	44.1	0.034	<1	0.31	0.045	0.12	11.9	0.8	0.05	0.50	<5	0.5	0.02	1.5	0.48	<0.1
REP 1389643	QC	0.041	15.5	1.3	0.17	44.3	0.036	1	0.32	0.046	0.12	12.3	0.8	0.05	0.50	<5	0.5	<0.02	1.6	0.51	<0.1
1389664	Drill Core	0.076	8.7	23.0	0.39	31.9	0.033	2	0.58	0.025	0.28	6.0	2.9	0.16	2.08	<5	2.6	2.94	2.6	1.22	<0.1
REP 1389664	QC	0.073	8.7	21.8	0.37	30.7	0.033	2	0.58	0.025	0.28	5.6	2.9	0.16	2.00	7	2.9	2.85	2.6	1.20	<0.1
1389677	Drill Core	0.044	8.7	15.2	0.43	41.5	0.026	1	0.39	0.030	0.29	0.9	2.5	0.19	1.42	<5	1.6	0.32	1.8	1.49	<0.1
REP 1389677	QC	0.045	8.8	15.7	0.42	43.8	0.027	1	0.40	0.030	0.29	0.9	2.6	0.19	1.44	<5	1.8	0.31	1.9	1.49	<0.1
1389706	Drill Core	0.046	11.9	5.2	0.31	58.8	0.008	2	0.33	0.016	0.29	6.9	2.2	0.15	1.23	<5	1.3	0.59	1.5	0.83	<0.1
REP 1389706	QC	0.045	12.4	5.2	0.32	61.9	0.008	1	0.33	0.016	0.30	7.0	2.4	0.15	1.20	<5	1.3	0.61	1.6	0.87	<0.1
1389718	Drill Core	0.091	7.9	28.5	1.21	43.3	0.051	6	0.47	0.036	0.25	1.3	7.1	0.16	0.88	8	2.4	0.06	2.0	1.76	<0.1
REP 1389718	QC	0.093	7.9	29.5	1.25	44.8	0.050	7	0.47	0.037	0.26	1.4	7.2	0.16	0.87	<5	2.4	0.12	1.9	1.79	<0.1
1389751	Drill Core	0.030	8.5	4.3	0.11	46.6	0.001	<1	0.37	0.022	0.17	1.3	0.8	0.08	0.84	<5	0.9	0.06	1.4	0.64	<0.1
REP 1389751	QC	0.030	8.2	4.1	0.11	44.5	0.001	2	0.35	0.021	0.16	1.1	0.8	0.08	0.79	<5	0.6	<0.02	1.3	0.63	<0.1
1389764	Drill Core	0.028	9.8	1.9	0.12	62.5	0.002	2	0.32	0.036	0.15	3.9	0.8	0.06	0.64	<5	0.8	0.14	1.4	0.54	<0.1
REP 1389764	QC	0.027	10.1	2.2	0.12	64.2	0.002	1	0.33	0.037	0.15	3.8	0.9	0.07	0.66	<5	0.7	0.07	1.4	0.55	<0.1
Core Reject Duplicates																					
1389606	Drill Core	0.076	11.3	18.0	0.49	67.3	0.020	3	0.49	0.015	0.39	45.8	4.1	0.24	2.50	<5	2.9	1.59	2.5	1.96	<0.1
DUP 1389606	QC	0.074	11.0	16.0	0.46	60.1	0.018	3	0.43	0.012	0.33	44.4	3.9	0.21	2.46	<5	3.0	1.41	2.2	1.79	0.1
1389676	Drill Core	0.061	7.4	12.8	0.58	39.2	0.009	3	0.40	0.020	0.25	7.5	3.1	0.16	1.97	<5	2.1	0.12	1.6	1.45	<0.1
DUP 1389676	QC	0.060	7.3	13.4	0.58	36.0	0.009	3	0.38	0.019	0.24	7.4	3.3	0.14	1.99	<5	2.3	0.16	1.6	1.42	<0.1
1389711	Drill Core	0.040	9.7	2.4	0.30	58.2	0.008	2	0.29	0.021	0.25	1.9	1.7	0.09	0.94	<5	1.0	0.26	1.2	0.43	<0.1
DUP 1389711	QC	0.039	9.5	2.3	0.27	57.6	0.008	2	0.27	0.021	0.25	1.7	1.6	0.10	0.87	8	0.8	0.31	1.2	0.40	<0.1
1389746	Drill Core	0.049	14.6	6.7	0.22	97.1	0.024	<1	0.35	0.041	0.19	1.0	1.4	0.09	0.72	<5	1.0	<0.02	1.6	0.75	<0.1
DUP 1389746	QC	0.043	13.9	6.1	0.21	92.6	0.022	<1	0.32	0.036	0.16	0.9	1.2	0.08	0.71	<5	1.2	<0.02	1.4	0.72	<0.1

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QUALITY CONTROL REPORT VAN11004534.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	W
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
Pulp Duplicates																
REP G1	QC	0.09	0.40	43.6	0.5	<0.05	0.9	4.80	20.5	0.03	<1	0.2	31.4	<10	<2	
1389620	Drill Core	0.11	0.41	14.9	0.3	<0.05	2.0	5.21	19.4	<0.02	90	0.3	9.0	<10	<2	
REP 1389620	QC	0.13	0.46	15.4	0.3	<0.05	2.2	5.39	19.5	<0.02	94	0.3	8.9	<10	<2	
1389636	Drill Core	0.08	0.40	13.5	0.2	<0.05	1.7	4.56	21.1	<0.02	11	0.3	4.9	<10	<2	
REP 1389636	QC	0.07	0.37	13.1	0.2	<0.05	1.7	4.57	20.2	<0.02	9	0.3	5.0	<10	<2	
1389643	Drill Core	0.12	0.78	6.5	0.4	<0.05	1.9	6.80	28.4	<0.02	23	0.4	4.7	<10	<2	
REP 1389643	QC	0.11	0.78	6.9	0.4	<0.05	2.0	7.00	28.6	<0.02	20	0.4	4.2	10	<2	
1389664	Drill Core	0.16	0.36	22.6	0.7	<0.05	3.3	6.23	13.0	<0.02	165	0.4	11.8	*	2	
REP 1389664	QC	0.13	0.34	21.9	0.8	<0.05	3.3	5.92	12.4	<0.02	190	0.4	10.6	*	<2	
1389677	Drill Core	0.15	0.32	22.9	0.3	<0.05	2.4	5.48	14.7	0.02	35	0.3	10.4	<10	<2	
REP 1389677	QC	0.11	0.37	22.8	0.3	<0.05	2.4	5.49	15.2	0.02	42	0.3	10.8	<10	<2	
1389706	Drill Core	0.09	0.14	18.1	0.3	<0.05	2.3	5.34	21.0	0.02	609	0.2	6.6	<10	<2	
REP 1389706	QC	0.13	0.15	18.2	0.2	<0.05	2.2	5.38	21.6	<0.02	650	0.3	6.8	<10	<2	
1389718	Drill Core	0.13	0.35	18.0	0.3	<0.05	2.2	8.46	15.2	0.03	224	0.7	11.9	<10	3	
REP 1389718	QC	0.14	0.35	18.1	0.2	<0.05	2.1	8.37	15.0	0.03	231	0.8	12.0	<10	4	
1389751	Drill Core	0.03	0.04	8.6	<0.1	<0.05	0.6	5.29	15.8	<0.02	95	0.4	5.3	29	<2	
REP 1389751	QC	0.05	0.03	8.7	0.1	<0.05	0.6	4.95	15.4	<0.02	96	0.3	4.7	26	<2	
1389764	Drill Core	0.04	0.04	7.7	<0.1	<0.05	0.9	5.01	18.3	<0.02	137	0.4	3.7	*	<2	
REP 1389764	QC	0.04	0.07	8.0	<0.1	<0.05	0.9	5.15	18.5	<0.02	143	0.5	4.0	60	<2	
Core Reject Duplicates																
1389606	Drill Core	0.10	0.17	32.0	0.6	<0.05	2.8	7.18	19.1	0.02	77	0.4	14.0	<10	<2	
DUP 1389606	QC	0.10	0.16	27.8	0.4	<0.05	2.7	6.78	17.6	<0.02	87	0.3	12.5	<10	<2	
1389676	Drill Core	0.09	0.07	18.6	0.2	<0.05	1.9	6.84	11.4	0.04	78	0.5	8.9	<10	<2	
DUP 1389676	QC	0.09	0.09	18.1	0.2	<0.05	1.8	6.58	11.2	0.03	99	0.4	9.1	<10	<2	
1389711	Drill Core	0.08	0.18	13.1	0.2	<0.05	1.6	6.68	17.8	0.04	164	0.1	4.2	<10	<2	
DUP 1389711	QC	0.07	0.17	12.7	0.3	<0.05	1.6	6.26	17.6	<0.02	115	0.2	4.0	<10	<2	
1389746	Drill Core	0.11	0.27	11.4	0.2	<0.05	1.5	6.06	26.5	<0.02	42	0.3	5.3	22	<2	
DUP 1389746	QC	0.09	0.26	10.7	0.2	<0.05	1.5	5.76	24.9	<0.02	39	0.3	5.3	<10	<2	

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QUALITY CONTROL REPORT VAN11004534.1

		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		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
Reference Materials																					
STD DS8	Standard		12.82	112.7	122.6	309.2	1775	37.9	7.6	615	2.58	27.4	2.8	114.9	6.8	68.1	2.41	5.86	7.32	43	0.72
STD DS8	Standard		13.06	102.8	124.8	306.5	1847	36.5	6.8	589	2.44	23.2	2.8	119.5	7.0	62.7	2.15	5.04	6.42	39	0.70
STD DS8	Standard		12.83	106.0	128.0	308.6	1754	36.1	7.2	575	2.40	22.2	2.9	112.9	7.0	59.1	2.13	4.68	6.15	38	0.66
STD DS8	Standard		12.45	105.9	128.9	297.1	1761	37.0	8.8	576	2.42	23.4	2.5	120.8	6.3	56.9	2.20	4.99	5.93	40	0.68
STD DS8	Standard		11.45	100.3	115.5	288.8	1610	33.2	6.7	548	2.27	23.5	2.5	105.3	6.2	60.1	2.07	5.02	6.11	39	0.65
STD DS8	Standard		12.63	108.5	128.6	319.9	1788	37.9	7.5	614	2.46	24.2	2.9	114.3	6.7	62.8	2.28	5.66	6.96	41	0.69
STD DS8	Standard		13.16	99.21	119.5	292.5	1755	36.2	7.5	585	2.35	26.2	2.6	106.9	6.4	62.3	2.34	5.44	6.60	40	0.66
STD NBLG	Standard																				
STD NBLG	Standard																				
STD NBLG	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107 Expected																					
STD DS8 Expected			13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
BLK	Blank		<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
BLK	Blank		<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
BLK	Blank		0.40	<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
BLK	Blank																				
BLK	Blank																				
BLK	Blank		0.24	<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
BLK	Blank																				
BLK	Blank		<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
BLK	Blank		<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
BLK	Blank		<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
Prep Wash																					
G1	Prep Blank	<0.01																			
G1	Prep Blank	<0.01	0.16	2.53	2.87	43.8	<2	3.1	4.0	569	2.15	1.1	1.5	<0.2	5.6	52.3	0.05	0.03	0.08	37	0.45

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		1F30 P % 0.001	1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Tl ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1	1F30 Cs ppm 0.02	1F30 Ge ppm 0.1
Reference Materials																					
STD DS8	Standard	0.084	14.8	114.1	0.63	275.7	0.115	2	0.93	0.093	0.43	2.9	2.1	5.46	0.17	182	5.5	4.99	4.6	2.45	<0.1
STD DS8	Standard	0.075	14.7	117.6	0.61	261.0	0.104	3	0.97	0.098	0.42	3.0	2.1	5.68	0.16	226	5.1	5.25	4.7	2.49	<0.1
STD DS8	Standard	0.073	14.4	117.2	0.60	250.1	0.105	2	0.90	0.091	0.41	2.7	2.1	5.63	0.15	181	5.0	4.75	4.8	2.46	0.1
STD DS8	Standard	0.076	13.1	118.2	0.61	258.6	0.102	3	0.91	0.087	0.42	2.8	1.9	5.28	0.17	213	4.8	4.73	4.3	2.29	0.1
STD DS8	Standard	0.071	14.0	111.1	0.55	239.0	0.105	3	0.84	0.084	0.38	2.7	2.0	5.07	0.15	192	4.8	4.66	4.2	2.29	<0.1
STD DS8	Standard	0.078	14.1	122.7	0.60	275.1	0.114	2	0.89	0.085	0.41	3.1	2.1	5.56	0.17	219	5.1	4.81	4.7	2.44	<0.1
STD DS8	Standard	0.080	14.3	114.0	0.58	268.9	0.108	2	0.88	0.087	0.39	2.9	2.0	5.32	0.15	229	4.9	4.85	4.3	2.39	<0.1
STD NBLG	Standard																				
STD NBLG	Standard																				
STD NBLG	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107 Expected																					
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank																				
BLK	Blank																				
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank																				
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
Prep Wash																					
G1	Prep Blank																				
G1	Prep Blank	0.073	12.5	6.1	0.53	160.1	0.116	1	0.98	0.096	0.51	<0.1	2.0	0.32	<0.02	<5	<0.1	<0.02	4.5	2.83	<0.1

Acme Analytical Laboratories (Vancouver) Ltd.
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Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: October 28, 2011

QUALITY CONTROL REPORT VAN11004534.1

		1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	7KP W % 0.005
Reference Materials																
STD DS8	Standard	0.09	1.25	37.2	7.2	<0.05	2.1	5.91	26.6	2.28	53	4.8	23.9	100	333	
STD DS8	Standard	0.08	1.31	39.2	6.5	<0.05	2.1	6.04	28.6	2.20	61	5.0	26.4	96	341	
STD DS8	Standard	0.08	1.28	37.0	6.3	<0.05	1.9	5.90	26.9	2.25	55	4.8	25.1	102	362	
STD DS8	Standard	0.07	1.23	35.9	6.5	<0.05	2.0	5.22	25.1	2.03	57	4.7	26.5	110	331	
STD DS8	Standard	0.08	1.25	34.8	6.4	<0.05	1.9	5.48	24.9	2.01	54	6.2	22.6	108	320	
STD DS8	Standard	0.09	1.30	38.6	6.7	<0.05	2.1	5.62	26.0	2.23	40	5.9	25.6	110	340	
STD DS8	Standard	0.08	1.27	34.8	6.4	<0.05	2.0	5.69	25.9	2.06	48	4.9	26.7	107	339	
STD NBLG	Standard															<0.005
STD NBLG	Standard															<0.005
STD NBLG	Standard															<0.005
STD W107	Standard															0.406
STD W107	Standard															0.426
STD W107	Standard															0.429
STD W107 Expected																0.42
STD DS8 Expected		0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank															<0.005
BLK	Blank															<0.005
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank															<0.005
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
Prep Wash																
G1	Prep Blank															
G1	Prep Blank	0.08	0.44	41.6	0.5	<0.05	1.1	5.16	23.2	0.03	<1	0.3	28.8	<10	<2	

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: October 28, 2011

QUALITY CONTROL REPORT VAN11004534.1

		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		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
G1	Prep Blank		0.10	3.40	4.06	46.4	<2	2.5	4.3	573	2.14	0.4	1.4	2.4	5.5	47.7	0.05	0.07	0.16	37	0.46

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QUALITY CONTROL REPORT VAN11004534.1

		1F30 P % 0.001	1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Tl ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1	1F30 Cs ppm 0.02	1F30 Ge ppm 0.1
G1	Prep Blank	0.078	11.0	6.3	0.54	159.3	0.114	2	0.99	0.074	0.50	<0.1	2.0	0.32	<0.02	9	<0.1	<0.02	4.6	2.88	<0.1

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QUALITY CONTROL REPORT VAN11004534.1

		1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	7KPW % 0.005
G1	Prep Blank	0.06	0.42	42.1	0.6	<0.05	1.0	4.61	20.5	0.02	<1	0.3	30.0	<10	<2	

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Submitted By: Rob Pease
Receiving Lab: Canada-Vancouver
Received: September 13, 2011
Report Date: January 20, 2012
Page: 1 of 7

CERTIFICATE OF ANALYSIS VAN11004675.2

CLIENT JOB INFORMATION

Project: Stewart
Shipment ID: Stewy 8
P.O. Number
Number of Samples: 179

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
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
R200-500	172	Crush, split and pulverize 500 g rock to 200 mesh			VAN
1F06	179	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
7KP	5	Phosphoric acid leach, ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Version 2: 1F06 Re for Sample 1389849 included.

Invoice To: Emgold Mining Corp.
PO Box 1836
Grass Valley California 95945
USA

CC: Perry Grunenbery

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Emgold Mining Corp.**
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Project: Stewart
Report Date: January 20, 2012

CERTIFICATE OF ANALYSIS VAN11004675.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389771	Drill Core	6.91	16.51	42.32	7.67	18.2	200	1.9	2.2	416	1.40	12.8	2.7	2.6	3.7	80.4	0.32	0.99	0.35	19	0.49
1389772	Drill Core	7.53	12.43	34.42	5.78	38.0	158	1.6	2.3	522	1.78	3.3	2.6	1.0	3.9	78.3	0.49	0.33	0.18	34	0.49
1389773	Drill Core	6.87	63.25	49.50	8.84	57.5	300	3.7	2.5	680	2.01	12.0	2.6	13.7	5.1	48.3	1.04	0.96	0.86	29	0.32
1389774	Drill Core	6.31	11.86	54.92	5.44	19.6	171	1.5	2.3	434	1.78	9.9	4.1	2.1	6.0	94.9	0.25	0.60	0.36	26	0.90
1389775	Drill Core	0.58	8.63	36.24	4.46	19.4	102	1.4	1.6	323	1.55	0.9	6.1	0.8	15.1	52.9	0.24	0.19	0.21	34	0.43
1389776	Drill Core	4.35	549.1	67.80	7.64	17.7	275	1.6	4.2	385	2.00	1.6	2.3	14.5	4.9	70.9	0.36	0.52	1.62	29	0.86
1389777	Drill Core	7.07	20.65	51.99	8.65	23.5	181	1.3	2.9	396	1.60	2.3	3.5	1.2	5.3	111.7	0.31	0.23	0.58	22	0.95
1389778	Drill Core	5.94	107.1	59.63	13.21	19.6	241	2.8	4.0	465	1.74	17.8	3.0	4.7	5.1	158.2	0.30	0.78	0.61	13	1.14
1389779	Drill Core	3.47	687.0	70.48	9.41	31.3	277	6.4	5.4	807	2.08	12.6	2.7	14.9	5.0	131.6	0.63	1.49	2.15	28	1.61
1389780	Rock	0.27	1.71	0.97	1.52	5.6	<2	1.2	0.4	194	0.43	<0.1	0.4	<0.2	<0.1	36.1	0.01	<0.02	<0.02	<2	20.51
1389781	Rock Pulp	0.09	985.1	9061	44.68	152.9	3816	36.2	18.9	504	4.55	30.0	0.5	604.0	1.4	42.0	1.55	5.76	1.35	102	0.94
1389782	Drill Core	3.71	1128	92.51	23.87	63.5	718	20.7	7.3	743	2.67	25.4	1.9	36.8	3.4	159.1	1.20	3.59	3.71	62	2.24
1389783	Drill Core	3.86	388.9	43.13	9.27	41.5	320	9.3	4.0	699	1.72	39.7	2.4	15.2	4.5	249.7	0.64	4.04	2.50	27	2.09
1389784	Drill Core	5.15	220.4	56.81	6.11	25.2	194	12.9	5.3	737	1.99	10.6	2.4	17.9	4.4	174.6	0.20	1.38	2.58	50	2.16
1389785	Drill Core	3.79	27.43	51.36	8.60	11.3	178	2.8	4.4	409	1.72	26.4	2.6	8.6	4.4	191.0	0.17	2.43	0.90	17	1.29
1389786	Drill Core	3.54	158.5	48.17	6.75	70.8	157	6.9	3.8	835	1.61	1.5	2.6	8.4	4.7	167.1	1.58	0.81	0.98	29	1.75
1389787	Drill Core	5.50	516.3	73.18	4.54	22.0	162	8.2	5.2	497	2.03	2.2	4.0	10.9	5.7	123.6	0.53	0.17	1.39	39	1.45
1389788	Drill Core	3.86	333.9	47.34	8.04	81.3	236	4.2	3.6	670	1.55	5.8	3.9	7.7	6.1	202.1	2.51	0.53	1.21	21	2.01
1389789	Drill Core	4.91	88.27	32.00	11.00	19.5	219	4.2	2.7	813	1.32	8.1	8.8	4.7	9.8	202.0	0.47	0.54	0.60	13	1.70
1389790	Drill Core	4.02	95.34	61.21	9.56	48.5	311	7.6	6.1	1776	2.25	8.4	3.3	3.5	4.4	246.9	0.85	1.47	0.82	27	3.63
1389791	Drill Core	7.45	184.4	87.85	5.13	33.7	210	12.8	7.0	772	2.61	2.4	3.0	9.4	5.0	116.1	0.45	0.32	1.59	53	2.23
1389792	Drill Core	4.96	75.60	58.39	10.33	58.2	295	9.7	5.5	1044	2.13	13.7	2.7	3.8	6.2	133.9	0.80	1.46	1.45	32	2.09
1389793	Drill Core	5.80	23.51	68.11	10.81	72.1	351	9.5	5.2	894	2.09	94.1	2.7	11.7	5.5	116.7	0.99	1.41	1.09	31	1.50
1389794	Drill Core	2.92	34.64	67.50	25.45	22.9	1287	8.5	9.5	835	2.69	106.2	2.9	27.4	4.4	210.6	0.33	2.05	2.41	20	2.25
1389795	Drill Core	6.89	182.7	86.09	10.50	74.3	417	17.5	8.6	974	2.80	582.5	3.8	78.5	6.6	260.7	1.12	4.15	1.65	46	2.66
1389796	Drill Core	8.03	29.15	71.61	15.70	66.7	600	10.6	6.3	1147	2.40	38.8	3.8	21.6	6.4	221.9	1.47	2.04	1.82	32	2.38
1389797	Drill Core	8.40	108.8	73.72	6.07	36.4	210	8.9	6.0	710	2.26	3.3	3.3	6.2	5.2	177.9	0.58	0.53	1.25	39	2.22
1389798	Drill Core	8.35	37.01	56.12	33.08	37.8	1395	3.3	4.0	912	1.78	1.5	3.1	6.1	5.4	208.7	0.77	0.69	5.24	23	2.12
1389799	Drill Core	8.27	38.71	58.97	7.85	24.9	250	3.9	4.4	753	1.99	2.3	3.7	6.5	6.0	214.8	0.34	0.23	1.02	28	2.01
1389800	Drill Core	8.46	25.41	40.85	9.62	35.8	363	1.8	3.3	612	1.48	8.3	4.1	3.7	6.5	191.4	0.69	1.03	1.04	17	1.47

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PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: January 20, 2012

CERTIFICATE OF ANALYSIS VAN11004675.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389771	Drill Core	0.034	12.3	2.8	0.09	67.7	0.029	2	0.30	0.056	0.12	6.0	0.7	0.04	0.38	<5	0.6	<0.02	1.4	0.44	<0.1
1389772	Drill Core	0.048	15.5	2.1	0.11	155.8	0.039	2	0.35	0.062	0.09	3.5	1.1	0.02	0.30	<5	0.4	<0.02	1.6	0.58	<0.1
1389773	Drill Core	0.046	22.1	4.2	0.12	104.1	0.023	3	0.45	0.061	0.12	3.8	1.6	0.05	0.31	<5	0.7	<0.02	2.0	1.03	<0.1
1389774	Drill Core	0.040	17.8	2.2	0.15	33.3	0.045	2	0.32	0.057	0.10	1.3	0.9	0.04	0.74	<5	1.1	<0.02	1.8	0.49	<0.1
1389775	Drill Core	0.037	16.3	2.2	0.10	44.3	0.057	1	0.31	0.062	0.11	0.3	0.5	0.03	0.43	5	0.5	<0.02	1.7	0.40	<0.1
1389776	Drill Core	0.042	21.2	2.4	0.20	43.1	0.047	1	0.38	0.054	0.15	0.7	1.0	0.11	0.88	13	1.4	0.10	1.8	0.93	<0.1
1389777	Drill Core	0.038	16.1	2.0	0.16	50.1	0.041	1	0.35	0.056	0.15	1.6	0.8	0.07	0.65	9	0.6	0.04	1.6	0.72	<0.1
1389778	Drill Core	0.032	15.4	1.7	0.14	58.8	0.015	2	0.30	0.039	0.18	4.0	0.7	0.08	0.73	<5	0.9	<0.02	1.2	0.71	<0.1
1389779	Drill Core	0.041	14.2	8.1	0.27	38.2	0.043	2	0.44	0.043	0.18	0.8	1.4	0.08	1.04	10	1.1	0.13	1.9	0.75	<0.1
1389780	Rock	0.013	<0.5	<0.5	11.66	8.3	<0.001	<1	0.01	0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	0.1	<0.02	<0.1	0.09	<0.1
1389781	Rock Pulp	0.082	7.2	58.6	1.04	67.8	0.140	5	1.74	0.106	0.54	14.2	7.1	0.39	1.95	116	4.6	0.57	5.8	2.11	<0.1
1389782	Drill Core	0.065	9.7	22.1	0.55	31.3	0.058	3	0.57	0.036	0.13	3.4	2.8	0.07	1.42	28	2.1	0.21	2.4	1.20	0.1
1389783	Drill Core	0.038	11.0	9.6	0.42	43.1	0.014	4	0.35	0.035	0.22	0.7	2.4	0.13	0.65	10	0.9	0.14	1.7	1.55	<0.1
1389784	Drill Core	0.054	14.0	19.2	0.53	41.4	0.052	2	0.48	0.044	0.29	0.9	2.9	0.21	0.82	7	1.2	0.15	2.4	2.45	<0.1
1389785	Drill Core	0.045	16.3	1.8	0.21	64.2	0.019	4	0.33	0.047	0.18	1.8	1.2	0.08	0.85	<5	1.2	0.06	1.4	0.88	<0.1
1389786	Drill Core	0.042	14.9	8.5	0.37	38.8	0.028	1	0.34	0.030	0.20	9.0	1.7	0.14	0.63	<5	0.9	0.07	2.0	1.42	0.1
1389787	Drill Core	0.060	18.7	8.7	0.35	46.6	0.057	1	0.43	0.053	0.20	1.5	1.5	0.14	0.92	5	1.5	0.10	2.4	1.43	<0.1
1389788	Drill Core	0.046	18.4	3.7	0.26	57.6	0.017	2	0.37	0.037	0.22	0.6	1.7	0.12	0.73	<5	1.1	0.10	1.9	1.12	<0.1
1389789	Drill Core	0.033	12.3	4.0	0.21	55.0	0.009	2	0.32	0.029	0.24	28.7	1.1	0.12	0.46	<5	0.6	0.07	1.5	0.83	<0.1
1389790	Drill Core	0.049	9.3	10.9	0.45	36.9	0.029	2	0.37	0.031	0.21	22.0	2.9	0.11	0.89	<5	1.1	0.10	1.7	0.97	<0.1
1389791	Drill Core	0.067	14.5	19.1	0.47	59.3	0.057	<1	0.58	0.044	0.25	35.7	2.7	0.18	1.21	<5	1.6	0.08	2.6	1.86	<0.1
1389792	Drill Core	0.051	18.9	12.8	0.54	72.8	0.014	2	0.79	0.038	0.20	3.6	3.0	0.11	0.52	<5	0.9	0.06	3.2	1.00	<0.1
1389793	Drill Core	0.067	16.3	10.5	0.43	74.2	0.010	2	0.72	0.031	0.19	8.5	2.9	0.10	0.47	<5	1.0	0.03	3.0	1.17	<0.1
1389794	Drill Core	0.046	11.5	10.3	0.35	69.6	0.009	2	0.41	0.031	0.25	>100	2.2	0.16	1.83	<5	1.8	0.11	1.7	1.58	<0.1
1389795	Drill Core	0.063	7.9	21.4	0.59	66.8	0.019	4	0.54	0.028	0.26	7.2	4.3	0.16	1.27	<5	1.9	0.09	2.1	2.05	<0.1
1389796	Drill Core	0.052	11.2	12.0	0.44	39.5	0.027	2	0.38	0.025	0.23	3.3	2.5	0.14	1.06	<5	1.2	0.06	1.8	1.40	<0.1
1389797	Drill Core	0.059	16.5	16.6	0.38	54.0	0.044	2	0.45	0.043	0.29	10.6	2.3	0.20	1.08	<5	1.3	0.11	2.5	2.04	<0.1
1389798	Drill Core	0.047	15.5	4.2	0.27	82.2	0.021	1	0.43	0.037	0.25	1.3	1.4	0.12	0.84	<5	1.1	0.11	1.9	1.03	<0.1
1389799	Drill Core	0.054	17.0	6.3	0.28	73.7	0.033	1	0.42	0.048	0.27	0.5	1.6	0.15	0.88	5	0.9	0.07	2.0	1.43	<0.1
1389800	Drill Core	0.044	16.7	1.5	0.21	56.0	0.029	2	0.34	0.051	0.21	8.4	1.0	0.09	0.64	<5	0.8	0.04	1.5	0.86	<0.1

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Project: Stewart
Report Date: January 20, 2012

CERTIFICATE OF ANALYSIS VAN11004675.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
1389771	Drill Core	0.07	0.37	5.0	0.2	<0.05	1.2	5.05	21.6	<0.02	16	0.3	3.1	<10	<2		
1389772	Drill Core	0.09	0.56	4.0	0.3	<0.05	1.5	6.21	28.8	<0.02	8	0.7	3.0	<10	<2		
1389773	Drill Core	0.07	0.21	6.8	0.3	<0.05	1.5	7.65	39.0	<0.02	46	0.7	4.6	20	<2		
1389774	Drill Core	0.08	0.68	3.9	0.3	<0.05	1.7	5.86	29.8	<0.02	15	0.7	4.3	<10	<2		
1389775	Drill Core	0.17	0.69	4.8	0.3	<0.05	2.9	5.68	27.3	<0.02	32	0.3	2.6	<10	<2		
1389776	Drill Core	0.12	0.77	10.9	0.3	<0.05	2.2	7.91	35.9	<0.02	366	0.3	5.9	*	<2		
1389777	Drill Core	0.12	0.59	10.0	0.3	<0.05	2.1	7.11	30.1	<0.02	19	0.4	4.9	<10	<2		
1389778	Drill Core	0.06	0.27	10.1	0.2	<0.05	1.4	6.53	27.7	<0.02	55	0.4	3.3	36	<2		
1389779	Drill Core	0.11	0.54	11.1	0.3	<0.05	1.9	6.19	24.3	<0.02	434	0.4	6.6	*	<2		
1389780	Rock	<0.02	<0.02	0.4	<0.1	<0.05	<0.1	0.46	0.6	<0.02	<1	<0.1	0.4	<10	<2		
1389781	Rock Pulp	0.12	0.04	25.9	1.5	<0.05	4.2	9.36	14.8	<0.02	879	0.4	8.0	*	2		
1389782	Drill Core	0.10	0.44	8.2	0.4	<0.05	1.7	5.89	15.8	<0.02	789	0.4	13.1	*	<2		
1389783	Drill Core	0.07	0.16	16.7	<0.1	<0.05	1.6	5.13	19.2	<0.02	260	0.3	7.9	*	<2		
1389784	Drill Core	0.14	0.53	26.6	0.2	<0.05	2.5	6.96	23.3	<0.02	141	0.5	15.4	*	<2		
1389785	Drill Core	0.06	0.37	10.5	0.2	<0.05	1.1	5.34	28.3	<0.02	19	0.4	4.2	<10	<2		
1389786	Drill Core	0.09	0.42	18.5	0.3	<0.05	1.5	6.32	23.9	0.02	101	0.3	11.4	31	<2		
1389787	Drill Core	0.14	0.76	17.4	0.4	<0.05	2.1	6.74	29.7	<0.02	207	0.3	11.0	*	<2		
1389788	Drill Core	0.08	0.34	16.1	0.3	<0.05	1.7	6.49	31.1	<0.02	196	0.4	8.0	*	<2		
1389789	Drill Core	0.10	0.12	16.1	0.3	<0.05	1.8	5.35	19.5	<0.02	58	0.2	5.7	19	<2		
1389790	Drill Core	0.08	0.60	16.5	0.5	<0.05	1.7	5.68	15.7	0.03	55	0.4	9.1	22	<2		
1389791	Drill Core	0.13	0.63	22.4	0.4	<0.05	2.2	7.22	24.6	<0.02	96	0.6	13.9	43	<2		
1389792	Drill Core	0.07	0.05	13.3	0.2	<0.05	1.3	7.59	31.3	<0.02	58	0.6	16.4	13	<2		
1389793	Drill Core	0.07	0.05	12.6	0.3	<0.05	1.6	8.35	26.7	<0.02	29	0.8	15.4	<10	<2		
1389794	Drill Core	0.06	0.07	19.9	0.2	<0.05	1.2	5.84	18.5	<0.02	29	0.3	8.9	<10	<2	0.003	0.036
1389795	Drill Core	0.09	0.10	18.9	0.2	<0.05	2.3	6.94	13.3	<0.02	102	0.8	12.9	37	<2		
1389796	Drill Core	0.11	0.33	19.4	0.3	<0.05	2.2	6.66	19.8	<0.02	19	0.3	10.2	<10	<2		
1389797	Drill Core	0.10	0.57	26.0	0.4	<0.05	2.0	6.94	27.1	<0.02	75	0.3	14.1	16	<2		
1389798	Drill Core	0.10	0.34	17.2	0.4	<0.05	2.0	6.94	26.9	<0.02	23	0.4	8.8	<10	<2		
1389799	Drill Core	0.10	0.55	21.1	0.4	<0.05	2.2	6.95	29.9	<0.02	20	0.4	11.3	<10	<2		
1389800	Drill Core	0.11	0.60	13.5	0.3	<0.05	2.0	6.22	28.6	<0.02	13	0.4	6.0	<10	<2		

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Grass Valley California 95945 USA

Project: Stewart
Report Date: January 20, 2012

CERTIFICATE OF ANALYSIS VAN11004675.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389801	Drill Core	7.61	13.34	45.84	10.02	23.8	348	1.9	2.8	481	1.52	2.0	5.4	2.9	7.3	170.6	0.39	0.41	0.96	21	1.06
1389802	Drill Core	3.71	22.47	29.97	4.90	12.9	97	1.2	2.5	401	1.20	3.6	4.5	1.5	6.6	164.1	0.12	0.19	0.26	16	0.99
1389803	Drill Core	4.55	49.73	154.6	51.04	51.2	3642	3.6	9.0	1446	3.96	15.1	3.0	96.6	4.6	418.9	1.32	1.52	12.88	11	2.25
1389804	Rock	0.25	0.21	0.59	2.06	14.3	10	3.2	1.1	225	0.43	<0.1	0.4	2.1	<0.1	43.3	0.06	0.03	<0.02	<2	20.89
1389805	Rock Pulp	0.08	347.1	3354	24.23	56.0	1852	30.5	8.5	437	3.15	14.3	0.4	964.0	1.2	38.1	0.74	4.20	0.60	49	0.65
1389806	Drill Core	8.37	472.7	56.17	12.06	22.4	390	2.6	3.9	630	1.71	8.0	3.5	8.9	5.5	202.3	0.71	0.54	1.78	23	1.73
1389807	Drill Core	7.69	46.89	43.51	8.73	25.5	194	1.4	2.9	602	1.54	12.3	2.8	3.7	4.8	222.4	0.49	0.83	0.64	18	1.61
1389808	Drill Core	7.84	24.08	51.73	12.30	23.6	386	1.3	3.3	728	1.67	19.3	3.3	4.6	5.9	266.6	0.43	1.72	1.14	21	1.63
1389809	Drill Core	7.60	21.46	46.88	11.31	54.4	297	1.3	3.4	623	1.47	27.0	2.3	8.3	4.7	610.3	1.17	2.22	1.13	9	1.89
1389810	Drill Core	8.15	44.14	34.62	14.85	23.2	597	1.5	2.6	591	1.46	17.8	3.2	11.5	5.5	357.2	0.43	2.93	4.57	12	1.63
1389811	Drill Core	8.33	33.25	38.42	7.85	15.4	247	0.9	2.1	484	1.38	17.1	4.0	3.7	6.3	300.4	0.24	2.17	0.58	18	1.13
1389812	Drill Core	8.52	23.89	48.30	9.47	9.9	194	1.4	3.4	525	1.48	14.8	2.8	3.8	5.1	241.8	0.17	1.89	1.01	11	1.45
1389813	Drill Core	7.88	30.70	45.74	14.86	13.8	902	0.9	3.2	442	1.46	9.5	4.3	3.8	6.9	198.2	0.25	1.30	5.78	15	1.27
1389814	Drill Core	6.81	155.6	36.39	10.74	13.2	498	1.1	2.0	390	1.26	1.7	3.9	1.8	6.5	133.7	0.25	0.26	1.82	19	0.99
1389815	Drill Core	7.07	57.24	46.30	4.00	16.6	125	0.9	2.2	316	1.65	1.6	3.6	3.3	6.7	127.1	0.15	0.37	0.68	26	0.77
1389816	Drill Core	3.43	379.1	38.58	6.22	8.7	149	1.1	3.0	333	1.34	2.2	4.6	2.4	7.1	149.4	0.36	0.32	1.01	13	1.02
1389817	Drill Core	8.02	42.61	40.28	5.79	14.5	131	0.9	2.5	399	1.47	9.1	3.6	1.6	6.2	125.3	0.22	0.24	0.63	21	0.95
1389818	Drill Core	8.54	37.38	33.01	4.94	19.2	120	0.7	1.5	410	1.09	1.2	5.6	1.5	7.3	94.0	0.44	0.10	0.42	36	0.72
1389819	Drill Core	8.70	22.00	26.59	4.83	12.1	93	0.6	1.5	314	1.06	1.1	3.2	1.5	5.0	100.4	0.13	0.08	0.43	16	0.71
1389820	Drill Core	7.51	49.49	17.44	7.03	14.5	144	0.7	1.0	252	0.86	1.8	3.8	0.8	5.8	94.6	0.16	0.13	0.38	9	0.56
1389821	Drill Core	8.60	11.91	18.43	7.34	10.8	107	0.7	1.2	393	0.98	3.5	5.2	1.6	6.5	106.4	0.07	0.12	0.23	26	0.72
1389822	Drill Core	8.08	14.29	26.39	16.78	27.7	288	0.8	2.0	396	1.10	7.5	1.9	1.9	4.6	172.5	0.24	0.23	0.47	7	1.10
1389823	Drill Core	8.94	80.87	46.40	8.71	9.2	207	0.7	2.7	370	1.42	6.6	2.4	3.8	4.9	235.5	0.15	0.33	0.70	11	1.35
1389824	Rock	0.20	0.72	0.41	1.68	7.1	8	1.5	0.5	210	0.43	<0.1	0.5	<0.2	0.2	40.7	<0.01	<0.02	<0.02	<2	20.28
1389825	Rock Pulp	0.09	893.9	8462	42.40	153.0	3687	33.6	18.1	482	4.23	29.0	0.5	564.9	1.5	39.8	1.64	5.70	1.43	94	0.90
1389826	Drill Core	8.22	19.87	39.58	5.91	13.7	66	1.2	2.0	325	1.35	1.1	2.0	2.1	5.9	115.5	0.13	0.22	0.56	24	0.94
1389827	Drill Core	8.40	18.82	31.07	14.36	36.4	321	1.0	1.3	419	1.33	17.8	2.2	21.6	4.9	195.3	0.29	0.23	0.57	17	1.11
1389828	Drill Core	7.81	8.00	19.69	36.89	77.2	335	0.8	1.3	588	1.28	2.9	2.7	1.7	5.0	319.6	0.48	0.25	0.49	15	1.62
1389829	Drill Core	8.34	21.56	20.57	3.77	13.0	56	0.8	1.3	339	1.23	0.7	2.1	<0.2	4.8	207.3	0.05	0.06	0.17	21	0.74
1389830	Drill Core	8.53	34.37	21.87	3.37	13.0	56	0.8	1.2	306	1.15	0.6	2.2	0.3	5.1	147.3	0.09	0.03	0.19	20	0.64

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CERTIFICATE OF ANALYSIS VAN11004675.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389801	Drill Core	0.045	16.1	2.6	0.16	49.6	0.045	1	0.30	0.047	0.17	1.5	0.7	0.06	0.67	<5	0.7	0.04	1.6	0.52	<0.1
1389802	Drill Core	0.046	16.3	1.7	0.14	50.2	0.046	1	0.29	0.058	0.15	2.5	0.7	0.04	0.48	<5	0.5	0.04	1.4	0.46	<0.1
1389803	Drill Core	0.037	6.9	2.7	0.23	54.7	0.006	2	0.28	0.016	0.25	15.2	1.1	0.10	2.24	<5	2.1	0.32	1.2	0.63	<0.1
1389804	Rock	0.015	<0.5	<0.5	11.83	18.0	<0.001	<1	0.02	0.002	0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	0.03	<0.1	0.11	<0.1
1389805	Rock Pulp	0.054	5.7	29.3	0.58	126.0	0.105	4	1.21	0.086	0.10	1.0	3.5	0.08	0.37	83	1.0	0.22	4.6	0.41	<0.1
1389806	Drill Core	0.043	17.5	2.5	0.28	56.2	0.021	1	0.37	0.044	0.30	0.5	1.1	0.16	0.87	<5	0.9	0.12	1.9	1.52	<0.1
1389807	Drill Core	0.037	14.4	0.7	0.20	41.3	0.015	1	0.31	0.036	0.18	2.2	0.8	0.08	0.71	<5	0.5	0.07	1.6	0.82	<0.1
1389808	Drill Core	0.046	17.2	1.2	0.24	60.8	0.026	2	0.34	0.049	0.22	14.9	0.7	0.10	0.72	<5	0.7	0.08	1.9	0.88	<0.1
1389809	Drill Core	0.038	14.9	<0.5	0.20	77.8	0.003	1	0.25	0.029	0.18	2.4	0.8	0.08	0.74	<5	0.5	0.10	1.3	0.73	<0.1
1389810	Drill Core	0.034	13.8	1.5	0.17	58.4	0.007	2	0.26	0.037	0.20	5.9	0.8	0.09	0.60	<5	0.6	0.19	1.3	0.62	<0.1
1389811	Drill Core	0.036	14.8	0.7	0.14	47.9	0.027	2	0.26	0.051	0.17	9.5	0.6	0.06	0.58	<5	0.6	0.03	1.3	0.55	<0.1
1389812	Drill Core	0.031	13.0	2.3	0.17	47.7	0.010	2	0.27	0.033	0.19	6.9	0.8	0.10	0.69	<5	0.9	0.10	1.3	0.76	<0.1
1389813	Drill Core	0.030	12.8	1.6	0.16	36.1	0.011	2	0.26	0.033	0.18	16.0	0.7	0.10	0.67	<5	0.9	0.38	1.3	0.74	<0.1
1389814	Drill Core	0.031	13.2	2.1	0.11	37.8	0.028	<1	0.25	0.053	0.12	1.6	0.5	0.05	0.53	<5	0.6	0.06	1.3	0.45	<0.1
1389815	Drill Core	0.034	13.9	1.8	0.11	31.2	0.036	<1	0.23	0.050	0.09	4.0	0.4	0.04	0.63	<5	0.9	0.03	1.4	0.37	<0.1
1389816	Drill Core	0.025	13.3	1.8	0.12	35.9	0.014	1	0.25	0.042	0.16	3.6	0.6	0.08	0.65	<5	0.8	0.09	1.2	0.66	<0.1
1389817	Drill Core	0.032	11.7	1.7	0.10	31.6	0.029	1	0.25	0.045	0.12	6.6	0.4	0.05	0.61	<5	0.8	0.05	1.3	0.43	<0.1
1389818	Drill Core	0.015	8.9	1.5	0.06	27.0	0.019	<1	0.23	0.044	0.13	11.4	0.3	0.04	0.41	<5	0.5	0.03	1.2	0.29	<0.1
1389819	Drill Core	0.021	8.4	1.5	0.10	30.8	0.023	1	0.23	0.047	0.11	1.0	0.4	0.04	0.42	<5	0.5	0.03	1.2	0.37	<0.1
1389820	Drill Core	0.011	8.5	1.3	0.06	24.8	0.006	<1	0.22	0.037	0.10	0.7	0.2	0.03	0.31	<5	0.4	0.03	1.1	0.25	<0.1
1389821	Drill Core	0.011	8.8	1.3	0.06	24.3	0.011	<1	0.24	0.031	0.10	1.7	0.5	0.03	0.29	<5	0.3	<0.02	1.3	0.29	<0.1
1389822	Drill Core	0.017	9.3	1.0	0.08	56.3	0.003	1	0.32	0.030	0.14	0.6	0.6	0.06	0.40	7	0.5	0.06	1.5	0.40	<0.1
1389823	Drill Core	0.024	12.7	1.3	0.09	67.0	0.004	3	0.36	0.043	0.17	6.0	0.7	0.06	0.69	<5	0.7	0.05	1.4	0.62	<0.1
1389824	Rock	0.016	<0.5	<0.5	11.69	14.6	<0.001	<1	0.02	0.002	0.01	<0.1	<0.1	<0.02	<0.02	<5	0.1	<0.02	<0.1	0.07	<0.1
1389825	Rock Pulp	0.079	7.1	56.9	0.99	66.9	0.132	4	1.60	0.097	0.50	13.7	7.0	0.39	1.81	116	4.5	0.56	5.4	2.04	<0.1
1389826	Drill Core	0.027	17.8	2.5	0.15	46.8	0.032	<1	0.31	0.055	0.12	3.1	0.9	0.06	0.46	<5	0.5	0.05	1.6	0.59	<0.1
1389827	Drill Core	0.023	13.9	1.4	0.11	61.0	0.014	1	0.33	0.046	0.11	5.4	0.7	0.04	0.55	5	0.4	0.06	1.7	0.46	<0.1
1389828	Drill Core	0.025	14.9	1.6	0.13	246.4	0.010	2	0.32	0.046	0.14	1.3	0.9	0.05	0.37	<5	0.3	<0.02	1.5	0.72	<0.1
1389829	Drill Core	0.028	13.8	1.9	0.10	119.5	0.029	<1	0.29	0.061	0.09	1.4	0.6	0.02	0.32	<5	0.3	<0.02	1.6	0.39	<0.1
1389830	Drill Core	0.026	12.7	1.9	0.09	63.4	0.037	<1	0.27	0.063	0.08	4.6	0.6	<0.02	0.34	<5	0.3	<0.02	1.4	0.25	<0.1

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Project: Stewart
Report Date: January 20, 2012

CERTIFICATE OF ANALYSIS VAN11004675.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
1389801	Drill Core	0.13	1.09	9.6	0.4	<0.05	2.7	5.58	26.4	<0.02	6	0.3	4.8	<10	<2		
1389802	Drill Core	0.14	0.93	7.0	0.3	<0.05	2.3	5.32	26.5	<0.02	15	0.3	3.9	<10	<2		
1389803	Drill Core	0.06	0.11	15.0	0.4	<0.05	1.5	5.78	12.7	0.03	18	0.1	5.2	<10	<2		
1389804	Rock	<0.02	0.04	0.8	<0.1	<0.05	<0.1	0.69	0.9	<0.02	<1	<0.1	0.7	<10	<2		
1389805	Rock Pulp	0.27	0.12	4.6	2.3	<0.05	8.1	7.74	11.0	<0.02	302	0.2	8.4	*	<2		
1389806	Drill Core	0.09	0.62	23.1	0.3	<0.05	1.9	6.51	28.9	<0.02	159	0.3	10.3	*	<2		
1389807	Drill Core	0.06	0.41	12.4	0.3	<0.05	1.4	5.79	25.4	<0.02	35	0.4	7.4	<10	<2		
1389808	Drill Core	0.12	0.68	14.4	0.5	<0.05	1.9	7.17	28.7	<0.02	10	0.4	6.8	<10	<2		
1389809	Drill Core	0.06	0.10	11.7	0.2	<0.05	1.1	6.03	24.2	<0.02	12	0.4	3.4	<10	<2		
1389810	Drill Core	0.05	0.21	10.7	0.2	<0.05	1.3	5.40	23.3	<0.02	22	0.1	2.7	<10	<2		
1389811	Drill Core	0.10	0.95	8.5	0.3	<0.05	1.9	5.47	23.3	<0.02	8	0.3	3.8	<10	<2		
1389812	Drill Core	0.06	0.25	14.0	0.2	<0.05	1.4	4.93	21.6	<0.02	13	0.2	5.3	<10	<2		
1389813	Drill Core	0.09	0.31	12.7	0.3	<0.05	1.6	4.67	21.1	<0.02	12	0.3	5.2	<10	<2		
1389814	Drill Core	0.09	0.77	7.5	0.3	<0.05	1.7	4.83	21.3	<0.02	65	0.2	3.7	27	<2		
1389815	Drill Core	0.09	0.97	5.3	0.3	<0.05	1.8	4.94	22.6	<0.02	33	0.1	3.7	<10	<2		
1389816	Drill Core	0.09	0.38	10.5	0.2	<0.05	1.5	4.73	21.5	<0.02	150	0.3	4.4	*	<2		
1389817	Drill Core	0.10	0.68	7.2	0.3	<0.05	1.8	4.98	19.7	<0.02	25	0.2	3.3	<10	<2		
1389818	Drill Core	0.11	0.59	6.0	0.4	<0.05	2.0	3.86	14.7	<0.02	21	<0.1	2.9	<10	<2		
1389819	Drill Core	0.07	0.54	5.8	0.2	<0.05	1.2	3.78	14.5	<0.02	13	0.2	3.6	<10	<2		
1389820	Drill Core	0.04	0.21	4.4	0.2	<0.05	0.8	2.69	12.7	<0.02	29	0.1	2.5	<10	<2		
1389821	Drill Core	0.07	0.31	4.9	0.3	<0.05	1.0	3.23	13.7	<0.02	5	0.3	2.3	<10	<2		
1389822	Drill Core	<0.02	0.05	7.5	<0.1	<0.05	0.4	3.90	15.2	<0.02	9	0.3	4.4	11	<2		
1389823	Drill Core	0.03	0.11	8.9	<0.1	<0.05	0.6	4.76	21.1	<0.02	38	0.4	3.6	24	<2		
1389824	Rock	<0.02	<0.02	0.5	<0.1	<0.05	<0.1	0.52	1.0	<0.02	<1	<0.1	0.6	<10	<2		
1389825	Rock Pulp	0.10	0.08	25.0	1.5	<0.05	4.1	9.05	14.3	<0.02	836	0.3	8.2	*	3		
1389826	Drill Core	0.08	0.70	7.1	0.4	<0.05	1.2	5.44	27.2	0.03	10	0.2	4.5	<10	<2		
1389827	Drill Core	0.04	0.34	5.5	0.2	<0.05	0.7	5.55	22.6	<0.02	3	0.3	4.5	14	<2		
1389828	Drill Core	0.03	0.28	6.3	0.1	<0.05	0.8	6.42	24.3	<0.02	4	0.5	3.1	<10	<2		
1389829	Drill Core	0.07	0.48	3.3	0.2	<0.05	1.1	4.94	22.5	<0.02	8	0.4	3.8	<10	<2		
1389830	Drill Core	0.08	0.76	2.8	0.3	<0.05	1.3	4.47	20.8	<0.02	12	0.3	3.8	15	<2		

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Project: Stewart
Report Date: January 20, 2012

CERTIFICATE OF ANALYSIS VAN11004675.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389831	Drill Core	8.27	5.42	27.59	2.73	11.1	65	1.0	1.2	1122	1.81	0.7	3.2	<0.2	6.0	118.7	0.18	0.10	0.18	118	1.63
1389832	Drill Core	7.82	8.21	24.50	10.29	30.3	120	0.9	1.3	621	1.23	2.0	2.6	1.3	5.2	322.6	0.23	0.17	0.20	15	1.56
1389833	Drill Core	5.56	7.79	36.86	6.09	88.9	136	0.8	1.8	315	1.28	10.4	2.5	1.4	4.8	51.7	1.64	0.33	0.36	16	0.20
1389834	Drill Core	4.34	25.64	51.25	9.57	89.4	265	0.7	2.5	637	1.78	24.6	1.8	10.0	3.9	75.6	1.34	0.53	0.57	20	0.59
1389835	Drill Core	8.02	7.41	21.10	5.08	61.4	79	0.8	2.0	375	1.49	2.2	2.4	0.9	4.1	80.6	0.97	0.23	0.18	29	0.57
1389836	Drill Core	7.51	69.67	36.06	15.20	61.9	500	0.9	3.6	602	2.03	35.8	2.2	80.5	3.7	145.3	0.97	2.37	1.28	21	0.83
1389837	Drill Core	7.91	5.69	37.10	3.66	43.9	97	0.8	2.5	321	1.48	0.9	2.8	1.9	4.4	83.8	0.73	0.11	0.32	28	0.73
1389838	Drill Core	8.03	16.96	35.04	3.80	68.7	89	0.9	1.9	362	1.52	0.9	2.3	0.9	4.6	91.2	1.23	0.17	0.30	34	0.72
1389839	Drill Core	8.03	9.51	24.02	4.52	22.9	57	0.5	1.4	320	1.39	1.5	5.2	<0.2	6.5	87.7	0.21	0.13	0.23	28	0.68
1389840	Drill Core	7.99	5.44	17.36	5.42	41.5	295	0.6	1.3	406	1.13	5.5	1.4	2.0	2.8	150.8	0.60	1.83	0.54	17	0.78
1389841	Drill Core	7.91	3.74	20.39	3.78	36.5	64	0.5	1.1	225	1.07	1.8	2.9	<0.2	5.4	54.9	0.51	0.19	0.16	21	0.31
1389842	Drill Core	7.82	7.90	25.94	3.23	30.2	75	0.9	1.6	245	1.47	1.5	2.4	<0.2	4.7	65.0	0.28	0.19	0.20	34	0.48
1389843	Drill Core	8.55	6.78	29.92	2.84	19.2	75	0.7	1.2	252	1.28	0.5	4.1	<0.2	5.4	70.1	0.20	0.02	0.24	32	0.62
1389844	Drill Core	7.41	73.55	49.75	3.79	16.5	102	0.8	1.8	293	1.50	1.5	3.3	0.5	5.1	83.9	0.17	0.06	0.45	23	0.76
1389845	Drill Core	7.68	28.13	45.29	4.55	27.3	151	0.9	2.0	306	1.51	3.9	2.7	1.0	4.4	87.5	0.51	0.78	0.45	23	0.61
1389846	Drill Core	3.69	133.2	39.96	5.96	27.5	127	0.9	1.5	290	1.22	2.2	7.2	1.2	8.8	80.9	0.55	0.30	0.46	18	0.50
1389847	Drill Core	4.19	163.1	33.24	10.93	29.1	178	0.6	1.4	402	1.11	13.5	3.8	3.5	7.6	97.0	0.36	0.56	0.42	8	1.17
1389848	Drill Core	3.88	584.0	60.64	123.8	19.5	4728	0.9	3.2	714	1.45	19.0	3.5	55.1	4.9	181.2	0.97	3.80	99.78	6	2.21
1389849	Drill Core	3.23	>2000	81.19	122.6	229.4	2867	4.1	10.2	908	4.25	189.5	7.1	147.7	3.4	253.0	6.48	4.45	8.66	5	2.54
1389850	Rock	0.34	2.60	1.54	1.10	16.2	7	4.0	1.2	247	0.43	1.0	0.9	<0.2	<0.1	45.0	0.07	<0.02	0.11	<2	24.24
1389851	Rock Pulp	0.10	274.3	2624	19.49	46.6	1472	23.3	6.7	345	2.40	11.3	0.3	723.3	0.9	30.0	0.55	3.02	0.48	37	0.50
1389852	Drill Core	4.58	12.22	38.83	6.48	31.8	183	0.9	2.0	417	1.54	15.5	4.2	2.8	5.5	157.7	0.41	1.31	0.39	24	1.11
1389853	Drill Core	3.64	387.2	81.77	8.80	24.9	407	1.3	3.4	468	2.03	31.7	4.1	11.0	5.1	168.4	0.54	4.02	1.11	32	1.12
1389854	Drill Core	4.73	93.06	50.24	6.54	9.9	134	0.9	2.6	360	1.45	16.8	11.3	2.6	9.2	187.0	0.11	1.35	0.51	15	1.28
1389855	Drill Core	3.96	41.41	45.95	4.17	15.7	94	0.9	2.2	344	1.40	1.9	3.5	0.8	5.8	124.1	0.20	0.17	0.44	26	0.98
1389856	Drill Core	7.81	18.02	28.82	3.62	12.1	73	1.0	1.2	223	1.22	0.9	3.4	0.3	5.5	111.3	0.11	0.03	0.28	26	0.55
1389857	Drill Core	8.62	191.5	48.45	7.94	26.6	462	0.9	2.3	373	1.56	7.8	6.6	8.6	6.3	115.5	0.66	0.59	1.06	22	0.79
1389858	Drill Core	8.00	308.8	55.35	12.37	18.6	461	1.4	3.5	593	1.87	15.3	5.8	4.2	9.4	180.4	0.60	0.75	1.82	12	1.18
1389859	Drill Core	7.40	125.8	36.81	16.70	74.0	483	0.9	1.6	276	1.33	8.9	5.3	98.0	8.5	108.4	1.97	0.78	1.15	14	0.54
1389860	Drill Core	3.93	365.5	39.80	14.42	40.9	493	3.1	2.5	682	1.41	3.2	2.6	5.2	5.5	182.1	1.53	0.82	1.25	8	0.93

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CERTIFICATE OF ANALYSIS VAN11004675.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389831	Drill Core	0.022	11.7	1.7	0.08	37.4	0.050	<1	0.36	0.057	0.06	5.7	0.8	<0.02	0.41	<5	0.4	0.04	2.8	0.33	0.3
1389832	Drill Core	0.028	14.0	1.6	0.12	168.8	0.020	2	0.33	0.049	0.11	0.9	0.8	0.03	0.43	<5	0.5	0.03	1.7	0.62	<0.1
1389833	Drill Core	0.028	14.8	1.1	0.10	67.6	0.019	1	0.37	0.041	0.10	20.9	0.8	0.04	0.22	<5	0.4	0.02	1.4	0.45	<0.1
1389834	Drill Core	0.050	22.8	1.2	0.20	113.9	0.011	2	0.58	0.045	0.14	15.6	1.4	0.06	0.23	<5	0.4	0.05	2.5	0.73	<0.1
1389835	Drill Core	0.040	15.2	1.5	0.13	138.8	0.035	2	0.33	0.055	0.09	5.4	0.8	<0.02	0.27	<5	0.4	<0.02	1.7	0.41	<0.1
1389836	Drill Core	0.050	18.1	1.3	0.14	128.0	0.017	4	0.38	0.044	0.15	3.1	1.4	0.06	0.53	<5	0.7	0.06	1.7	0.78	<0.1
1389837	Drill Core	0.046	17.1	1.4	0.12	41.0	0.056	<1	0.31	0.062	0.09	46.1	0.7	<0.02	0.56	<5	0.6	0.03	1.7	0.37	<0.1
1389838	Drill Core	0.048	18.3	1.5	0.12	61.0	0.062	1	0.30	0.066	0.09	24.2	0.8	<0.02	0.47	<5	0.6	<0.02	1.7	0.45	0.1
1389839	Drill Core	0.038	13.8	1.3	0.09	136.9	0.031	<1	0.25	0.061	0.10	2.9	0.5	<0.02	0.38	<5	0.5	<0.02	1.5	0.51	<0.1
1389840	Drill Core	0.031	10.5	1.0	0.10	164.6	0.013	1	0.17	0.039	0.09	3.7	0.8	0.02	0.25	<5	0.3	<0.02	0.9	0.42	<0.1
1389841	Drill Core	0.027	11.2	1.1	0.06	75.9	0.024	<1	0.23	0.052	0.09	9.9	0.5	<0.02	0.27	<5	0.4	<0.02	1.3	0.29	<0.1
1389842	Drill Core	0.047	13.4	1.6	0.08	55.7	0.046	<1	0.25	0.066	0.07	3.9	0.5	<0.02	0.33	<5	0.4	<0.02	1.5	0.31	<0.1
1389843	Drill Core	0.043	13.8	1.6	0.09	33.9	0.053	<1	0.25	0.073	0.08	5.9	0.4	<0.02	0.46	<5	0.5	<0.02	1.5	0.19	<0.1
1389844	Drill Core	0.034	13.7	1.5	0.12	47.2	0.038	<1	0.26	0.063	0.09	3.8	0.5	0.03	0.66	<5	0.9	0.03	1.4	0.37	<0.1
1389845	Drill Core	0.036	13.9	1.7	0.11	56.4	0.038	<1	0.29	0.063	0.10	2.4	0.6	0.04	0.59	<5	0.6	0.03	1.5	0.42	<0.1
1389846	Drill Core	0.023	12.8	1.4	0.09	59.0	0.024	<1	0.25	0.047	0.11	10.4	0.5	0.04	0.50	<5	0.7	0.03	1.4	0.40	<0.1
1389847	Drill Core	0.019	12.0	1.0	0.11	140.1	0.002	<1	0.32	0.035	0.12	1.5	0.5	0.05	0.42	<5	0.4	0.02	1.6	0.43	<0.1
1389848	Drill Core	0.036	9.2	0.8	0.16	88.6	<0.001	1	0.39	0.024	0.15	5.2	0.6	0.08	0.90	<5	1.9	1.85	1.5	0.53	<0.1
1389849	Drill Core	0.025	4.4	1.1	0.15	28.3	<0.001	3	0.36	0.014	0.17	20.9	0.7	0.50	4.54	23	5.1	0.55	1.2	0.57	<0.1
1389850	Rock	0.014	<0.5	2.2	11.06	18.1	<0.001	<1	0.03	0.003	0.03	<0.1	0.3	<0.02	<0.02	<5	0.3	0.04	<0.1	0.26	<0.1
1389851	Rock Pulp	0.041	4.4	25.9	0.47	100.5	0.079	6	0.99	0.073	0.08	0.7	2.9	0.06	0.30	60	1.0	0.15	3.5	0.29	0.1
1389852	Drill Core	0.036	15.2	1.6	0.14	185.6	0.023	1	0.31	0.055	0.11	2.4	0.9	0.05	0.57	<5	0.7	0.05	1.6	0.54	<0.1
1389853	Drill Core	0.034	14.3	1.5	0.14	72.2	0.025	2	0.28	0.052	0.11	20.1	0.7	0.04	1.03	<5	1.3	0.09	1.4	0.58	<0.1
1389854	Drill Core	0.029	13.5	1.4	0.13	58.1	0.012	2	0.25	0.041	0.14	4.8	0.7	0.05	0.68	<5	0.9	<0.02	1.2	0.55	<0.1
1389855	Drill Core	0.039	16.7	1.3	0.15	43.2	0.044	1	0.28	0.057	0.13	19.4	0.7	0.04	0.64	<5	0.7	<0.02	1.6	0.47	<0.1
1389856	Drill Core	0.033	12.2	1.9	0.08	40.2	0.046	<1	0.23	0.063	0.11	3.3	0.3	0.02	0.45	<5	0.5	<0.02	1.3	0.21	<0.1
1389857	Drill Core	0.031	12.8	1.6	0.11	45.1	0.031	<1	0.25	0.048	0.13	4.1	0.6	0.05	0.78	7	0.7	0.04	1.3	0.42	<0.1
1389858	Drill Core	0.029	15.9	1.7	0.15	63.0	0.008	<1	0.27	0.029	0.23	26.1	0.8	0.11	1.03	<5	1.2	0.11	1.3	0.72	<0.1
1389859	Drill Core	0.023	10.2	1.3	0.07	45.8	0.019	<1	0.23	0.039	0.18	32.8	0.4	0.06	0.61	<5	0.5	0.08	1.2	0.29	<0.1
1389860	Drill Core	0.024	8.7	2.8	0.13	50.2	0.004	1	0.20	0.015	0.21	20.8	0.7	0.09	0.65	<5	0.6	0.08	0.9	0.48	<0.1

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Project: Stewart
Report Date: January 20, 2012

CERTIFICATE OF ANALYSIS VAN11004675.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
1389831	Drill Core	0.29	0.99	2.4	0.9	<0.05	4.9	6.38	18.9	0.02	2	0.4	5.5	13	<2		
1389832	Drill Core	0.04	0.40	4.4	0.2	<0.05	0.9	6.72	24.3	<0.02	4	0.7	4.5	<10	<2		
1389833	Drill Core	0.07	0.24	4.7	0.2	<0.05	1.6	4.89	25.2	<0.02	3	0.5	3.6	<10	<2		
1389834	Drill Core	0.05	0.10	6.6	0.2	<0.05	1.0	8.32	40.7	<0.02	8	0.8	7.7	<10	<2		
1389835	Drill Core	0.09	0.42	2.6	0.2	<0.05	1.6	5.12	26.3	<0.02	3	0.5	3.4	<10	<2		
1389836	Drill Core	0.07	0.30	6.6	0.3	<0.05	1.3	7.00	31.9	<0.02	22	0.7	3.5	21	<2		
1389837	Drill Core	0.12	1.01	3.0	0.4	<0.05	1.9	5.39	28.6	<0.02	5	0.3	5.2	<10	<2		
1389838	Drill Core	0.12	1.04	3.3	0.4	<0.05	2.1	6.05	30.9	<0.02	10	0.6	4.3	<10	<2		
1389839	Drill Core	0.11	0.56	3.4	0.3	<0.05	2.2	4.70	23.2	<0.02	12	0.2	2.8	<10	<2		
1389840	Drill Core	0.07	0.27	3.6	0.1	<0.05	1.2	4.32	18.8	<0.02	3	0.3	1.6	<10	<2		
1389841	Drill Core	0.09	0.39	3.2	0.2	<0.05	1.6	3.82	18.7	<0.02	7	0.4	3.0	<10	<2		
1389842	Drill Core	0.12	0.82	2.7	0.3	<0.05	2.0	5.39	23.3	<0.02	3	0.2	3.2	<10	<2		
1389843	Drill Core	0.13	1.16	3.1	0.3	<0.05	2.1	4.89	23.8	<0.02	6	0.1	4.6	<10	<2		
1389844	Drill Core	0.08	0.76	3.9	0.3	<0.05	1.7	4.66	22.0	<0.02	41	<0.1	4.7	16	<2		
1389845	Drill Core	0.09	0.63	4.6	0.3	<0.05	1.6	5.17	22.3	<0.02	24	0.2	4.1	<10	<2		
1389846	Drill Core	0.11	0.48	5.1	0.3	<0.05	2.1	4.17	19.6	<0.02	70	0.2	3.2	18	<2		
1389847	Drill Core	0.04	0.07	5.0	<0.1	<0.05	0.9	4.26	19.0	<0.02	77	0.1	5.1	24	<2		
1389848	Drill Core	0.03	0.03	7.3	0.1	<0.05	0.7	6.07	15.4	<0.02	284	0.5	6.6	*	<2		
1389849	Drill Core	0.03	0.03	9.0	0.1	<0.05	0.9	6.41	7.9	<0.02	1412	0.2	4.6	*	<2	0.245	<0.005
1389850	Rock	<0.02	<0.02	1.7	<0.1	<0.05	<0.1	0.68	0.9	<0.02	<1	<0.1	0.9	<10	<2		
1389851	Rock Pulp	0.21	0.16	3.6	1.7	<0.05	6.4	6.05	8.8	<0.02	255	0.1	7.2	*	<2		
1389852	Drill Core	0.08	0.41	5.0	0.2	<0.05	1.6	5.68	24.1	<0.02	8	0.4	3.9	<10	<2		
1389853	Drill Core	0.08	0.74	5.5	0.3	<0.05	1.6	5.83	23.4	<0.02	220	0.3	3.6	*	<2		
1389854	Drill Core	0.08	0.42	7.6	0.2	<0.05	1.7	5.19	22.7	<0.02	41	0.2	3.5	17	<2		
1389855	Drill Core	0.12	1.33	7.0	0.4	<0.05	2.1	6.30	27.2	<0.02	20	0.2	5.3	<10	<2		
1389856	Drill Core	0.11	1.18	4.8	0.3	<0.05	1.8	4.32	19.5	<0.02	7	<0.1	3.9	<10	<2		
1389857	Drill Core	0.09	0.75	8.1	0.3	<0.05	1.7	4.43	20.3	<0.02	76	<0.1	4.4	32	<2		
1389858	Drill Core	0.08	0.24	14.8	0.2	<0.05	1.6	4.77	23.6	<0.02	128	0.2	5.9	*	<2		
1389859	Drill Core	0.10	0.46	8.2	0.2	<0.05	2.0	3.10	15.6	<0.02	54	0.1	2.6	19	<2		
1389860	Drill Core	0.04	0.08	12.6	0.2	<0.05	0.9	3.78	13.3	<0.02	173	0.1	3.5	*	<2		

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Grass Valley California 95945 USA

Project: Stewart
Report Date: January 20, 2012

CERTIFICATE OF ANALYSIS VAN11004675.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389861	Drill Core	3.97	795.3	43.34	28.26	74.7	902	2.0	2.2	795	1.39	9.1	3.9	6.0	5.9	241.5	2.50	1.46	2.50	5	0.92
1389862	Drill Core	3.96	217.2	29.02	21.86	19.6	620	1.5	1.7	614	1.18	12.4	2.3	3.7	4.6	226.0	0.59	0.90	2.53	4	0.92
1389863	Drill Core	4.07	251.0	68.09	66.74	21.9	2732	2.0	3.2	547	2.25	27.0	4.1	13.6	5.5	234.1	0.76	2.89	11.38	4	0.49
1389864	Drill Core	3.80	1067	44.17	31.71	15.7	944	2.4	2.3	489	1.68	32.1	4.8	10.3	6.7	240.5	1.46	1.70	2.92	8	0.60
1389865	Drill Core	3.82	>2000	100.9	40.74	31.9	3729	1.6	2.9	666	2.22	22.4	3.4	17.0	5.3	218.7	3.07	6.14	5.05	7	0.74
1389866	Drill Core	3.95	514.1	49.83	95.84	7.9	4759	1.8	2.3	445	1.96	18.9	6.7	19.9	7.1	325.4	0.74	5.75	39.83	4	0.63
1389867	Drill Core	3.85	268.1	63.60	23.45	24.5	771	3.4	3.4	687	2.01	27.7	3.5	4.1	5.6	257.4	0.77	1.63	1.59	10	0.97
1389868	Drill Core	2.55	180.6	75.30	22.71	18.5	814	1.5	2.8	549	2.19	46.5	4.2	9.1	7.3	337.4	0.54	2.18	1.21	6	0.81
1389869	Drill Core	3.21	87.84	204.5	171.6	4848	11495	1.3	5.3	710	3.79	114.8	3.1	1647	5.6	244.4	156.7	15.85	50.90	11	0.84
1389870	Drill Core	6.92	115.8	51.18	6.76	26.9	209	1.5	3.3	497	1.79	1.9	3.5	9.0	6.3	206.2	0.56	0.30	1.05	21	1.44
1389871	Drill Core	4.57	435.4	62.38	24.57	77.5	991	1.3	3.9	616	1.93	47.5	2.6	119.7	4.5	274.6	2.13	3.51	3.46	15	1.72
1389872	Drill Core	8.11	458.3	66.20	19.72	20.9	681	1.8	3.4	549	1.86	31.0	3.4	13.0	4.7	274.1	0.67	2.50	4.94	13	1.54
1389873	Drill Core	7.00	305.2	47.16	72.67	51.3	3967	1.2	3.1	532	1.66	54.8	3.1	98.4	5.2	367.6	1.33	5.07	52.62	9	1.88
1389874	Drill Core	8.08	163.1	48.45	11.24	18.2	277	1.2	3.3	745	1.67	31.0	3.6	7.6	5.7	274.5	0.43	1.44	1.23	15	1.68
1389875	Drill Core	7.90	200.6	48.79	7.88	11.2	228	0.8	3.6	435	1.61	10.8	6.3	9.8	6.9	204.9	0.26	0.20	1.22	18	1.35
1389876	Rock	0.32	0.82	1.41	0.94	12.8	<2	3.3	0.6	256	0.43	0.1	0.9	0.6	<0.1	43.4	0.05	<0.02	<0.02	<2	18.34
1389877	Rock Pulp	0.08	1068	9812	47.84	178.4	4083	39.9	20.0	579	4.79	35.8	0.6	646.5	1.5	48.0	2.55	7.05	1.61	105	0.99
1389878	Drill Core	2.69	211.9	45.16	9.16	15.2	334	1.0	2.4	558	1.60	27.4	3.2	12.0	5.7	361.6	0.37	0.28	1.01	16	1.36
1389879	Drill Core	6.74	82.16	78.04	8.69	17.0	253	1.2	3.2	503	1.66	3.2	3.5	4.6	5.6	215.1	0.39	0.33	0.75	13	1.39
1389880	Drill Core	7.41	189.3	46.72	9.67	10.1	252	0.9	2.6	416	1.56	9.1	4.3	3.1	6.0	231.9	0.29	0.38	1.90	12	1.22
1389881	Drill Core	4.68	371.6	52.74	9.11	13.0	313	1.0	2.8	425	1.75	4.0	5.5	6.1	7.7	198.3	0.44	0.31	1.11	15	1.09
1389882	Drill Core	3.50	150.8	55.13	10.18	20.7	425	1.1	3.2	561	1.90	6.7	4.1	7.6	6.1	326.7	0.48	0.95	1.41	11	1.66
1389883	Drill Core	7.79	73.90	49.34	9.44	17.5	313	0.8	2.8	496	1.69	17.6	4.1	3.6	6.0	256.1	0.37	0.73	0.72	11	1.38
1389884	Drill Core	8.34	35.80	64.54	16.03	26.2	642	0.9	3.5	566	1.96	17.2	3.9	2.5	5.9	232.5	0.61	0.41	1.87	12	1.41
1389885	Drill Core	4.10	35.23	33.42	68.89	215.0	343	0.7	1.8	574	1.29	3.9	3.5	2.0	5.7	401.5	1.70	0.26	0.64	18	1.20
1389886	Drill Core	2.80	212.4	45.08	23.14	224.4	209	1.1	2.5	626	1.66	3.2	3.3	3.4	6.5	227.8	1.80	0.31	0.81	28	1.47
1389887	Drill Core	4.76	123.8	54.45	30.32	52.4	520	0.8	2.6	786	1.75	9.4	4.1	2.7	6.6	232.5	0.63	0.48	0.79	7	1.49
1389888	Drill Core	3.42	154.3	57.05	56.54	104.3	687	0.9	3.4	711	1.83	11.5	4.1	3.4	6.3	248.1	0.92	0.50	1.30	7	1.25
1389889	Drill Core	3.84	860.2	53.89	62.92	100.1	1133	1.0	2.4	668	1.73	12.2	3.7	7.2	4.8	319.6	1.52	0.72	2.00	8	1.36
1389890	Drill Core	6.02	19.10	26.02	77.27	270.1	832	0.8	1.9	1000	1.44	23.5	4.3	10.8	7.1	523.4	3.17	0.38	1.45	3	1.45

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CERTIFICATE OF ANALYSIS VAN11004675.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389861	Drill Core	0.026	7.1	1.3	0.13	48.0	<0.001	1	0.22	0.013	0.22	3.0	0.7	0.09	0.70	7	0.6	0.16	0.9	0.32	<0.1
1389862	Drill Core	0.027	7.8	1.8	0.11	59.0	<0.001	1	0.22	0.019	0.22	9.8	0.6	0.08	0.52	<5	0.4	0.06	0.8	0.32	<0.1
1389863	Drill Core	0.023	4.9	1.2	0.12	49.9	<0.001	1	0.20	0.009	0.21	14.0	0.6	0.08	1.47	<5	1.0	0.32	0.7	0.29	<0.1
1389864	Drill Core	0.033	9.1	3.8	0.11	67.4	0.003	2	0.25	0.012	0.24	96.2	0.8	0.10	0.88	7	0.8	0.23	1.0	0.40	<0.1
1389865	Drill Core	0.025	6.7	1.8	0.14	51.5	0.002	1	0.24	0.014	0.22	53.1	0.8	0.10	1.29	18	1.3	0.24	0.9	0.41	<0.1
1389866	Drill Core	0.026	6.5	2.2	0.09	66.8	0.001	2	0.21	0.013	0.23	16.6	0.6	0.09	1.07	<5	1.1	0.47	0.8	0.34	<0.1
1389867	Drill Core	0.033	8.9	3.5	0.15	62.6	0.007	1	0.24	0.012	0.21	8.4	0.9	0.09	1.01	<5	1.1	0.10	1.0	0.48	<0.1
1389868	Drill Core	0.031	7.2	1.9	0.11	83.6	0.002	2	0.26	0.016	0.27	28.9	0.7	0.11	1.12	<5	0.9	0.08	1.1	0.44	<0.1
1389869	Drill Core	0.034	8.2	1.7	0.17	58.0	0.005	2	0.29	0.019	0.23	6.4	0.8	0.11	2.26	43	2.1	1.17	1.3	0.60	<0.1
1389870	Drill Core	0.042	19.3	2.3	0.20	70.5	0.026	1	0.40	0.053	0.21	8.9	1.1	0.10	0.79	<5	0.9	0.07	2.0	1.04	<0.1
1389871	Drill Core	0.040	15.4	1.6	0.22	60.9	0.012	3	0.33	0.039	0.20	>100	1.1	0.11	1.13	<5	1.1	0.16	1.6	0.97	<0.1
1389872	Drill Core	0.041	15.3	1.9	0.19	58.0	0.013	2	0.30	0.038	0.19	15.5	1.0	0.09	0.94	<5	1.1	0.25	1.5	0.71	<0.1
1389873	Drill Core	0.036	14.0	1.4	0.18	84.5	0.002	3	0.28	0.034	0.18	16.4	1.1	0.10	0.85	<5	1.1	0.98	1.3	1.02	<0.1
1389874	Drill Core	0.041	14.4	1.5	0.20	53.9	0.017	1	0.31	0.033	0.22	6.6	1.1	0.10	0.81	<5	0.8	0.08	1.6	0.93	<0.1
1389875	Drill Core	0.038	15.9	1.2	0.19	45.6	0.022	1	0.32	0.036	0.19	9.6	0.9	0.11	0.86	<5	1.0	0.09	1.6	1.04	<0.1
1389876	Rock	0.022	0.6	0.6	13.89	16.1	<0.001	<1	0.02	0.002	0.02	<0.1	0.4	<0.02	0.14	<5	0.1	0.03	<0.1	0.09	<0.1
1389877	Rock Pulp	0.088	8.5	61.8	1.10	72.0	0.142	4	1.80	0.113	0.57	15.0	8.3	0.42	2.03	122	5.8	0.70	6.3	2.32	0.1
1389878	Drill Core	0.048	16.8	1.4	0.15	35.5	0.031	1	0.29	0.045	0.16	1.9	1.0	0.05	0.86	<5	0.9	0.07	1.5	0.58	<0.1
1389879	Drill Core	0.030	11.5	1.6	0.13	57.2	0.014	1	0.32	0.036	0.20	42.2	0.9	0.08	0.86	<5	1.0	0.09	1.5	0.67	<0.1
1389880	Drill Core	0.029	11.5	1.6	0.13	42.9	0.011	2	0.30	0.032	0.16	44.3	1.0	0.06	0.79	<5	0.9	0.14	1.5	0.59	<0.1
1389881	Drill Core	0.031	13.2	1.6	0.12	53.1	0.017	<1	0.28	0.039	0.16	6.6	0.7	0.05	0.89	<5	1.0	0.10	1.5	0.48	<0.1
1389882	Drill Core	0.030	15.8	1.3	0.17	98.6	0.003	2	0.40	0.035	0.17	8.8	1.0	0.06	0.88	<5	0.8	0.12	2.0	0.62	<0.1
1389883	Drill Core	0.026	11.2	1.3	0.12	62.0	0.006	1	0.29	0.034	0.18	7.4	0.8	0.06	0.83	<5	0.7	0.08	1.4	0.52	<0.1
1389884	Drill Core	0.027	12.0	1.4	0.12	85.7	0.008	<1	0.28	0.027	0.17	93.4	0.8	0.06	1.08	<5	1.1	0.08	1.3	0.52	<0.1
1389885	Drill Core	0.035	14.2	1.3	0.13	44.7	0.021	<1	0.33	0.043	0.12	53.2	1.0	0.04	0.54	<5	0.6	0.06	1.6	0.41	<0.1
1389886	Drill Core	0.048	26.9	2.4	0.24	42.2	0.037	<1	0.40	0.056	0.14	2.4	1.5	0.06	0.67	<5	0.9	0.08	2.2	0.88	<0.1
1389887	Drill Core	0.028	10.3	1.1	0.15	41.2	0.002	<1	0.43	0.020	0.18	23.4	0.9	0.07	0.87	<5	0.9	0.12	2.0	0.36	<0.1
1389888	Drill Core	0.026	7.8	0.9	0.15	43.7	0.003	1	0.39	0.015	0.18	8.2	0.7	0.07	1.03	<5	1.0	0.11	1.6	0.43	<0.1
1389889	Drill Core	0.027	8.2	1.2	0.13	48.4	0.002	<1	0.48	0.028	0.17	31.0	0.8	0.08	0.88	<5	0.8	0.15	2.2	0.52	<0.1
1389890	Drill Core	0.027	8.2	1.5	0.16	60.1	<0.001	2	0.30	0.011	0.22	54.4	0.8	0.09	0.74	<5	0.6	0.12	1.1	0.67	<0.1

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Project: Stewart
Report Date: January 20, 2012

CERTIFICATE OF ANALYSIS VAN11004675.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
1389861	Drill Core	0.03	0.02	12.3	0.2	<0.05	1.0	3.54	11.3	<0.02	367	<0.1	2.6	*	<2		
1389862	Drill Core	0.03	<0.02	11.5	0.2	<0.05	0.7	3.70	12.7	<0.02	104	<0.1	2.4	*	<2		
1389863	Drill Core	0.03	0.02	11.7	0.2	<0.05	0.9	2.59	8.2	<0.02	105	<0.1	2.1	*	<2		
1389864	Drill Core	0.05	0.05	13.9	0.3	<0.05	1.2	2.64	14.2	<0.02	493	<0.1	2.6	*	<2		
1389865	Drill Core	0.05	0.05	13.0	0.4	<0.05	1.0	2.89	10.9	<0.02	861	0.1	3.2	*	<2	0.187	0.010
1389866	Drill Core	0.06	0.03	12.1	0.2	<0.05	1.3	2.46	10.6	<0.02	197	0.2	2.0	*	<2		
1389867	Drill Core	0.06	0.11	13.3	0.3	<0.05	1.3	3.71	13.6	<0.02	109	0.2	3.8	*	<2		
1389868	Drill Core	0.05	0.06	14.7	0.4	<0.05	1.2	3.11	12.1	<0.02	66	0.2	2.9	38	<2		
1389869	Drill Core	0.05	0.12	14.3	0.5	<0.05	1.1	4.25	13.5	0.58	36	<0.1	3.9	<10	<2		
1389870	Drill Core	0.11	0.53	15.3	0.3	<0.05	2.0	7.51	32.9	<0.02	51	0.3	8.0	15	<2		
1389871	Drill Core	0.07	0.29	16.0	0.2	<0.05	1.4	6.51	25.5	<0.02	217	0.2	6.5	*	<2	0.036	0.015
1389872	Drill Core	0.08	0.34	12.0	0.3	<0.05	1.4	6.46	24.6	<0.02	197	0.4	3.9	*	<2		
1389873	Drill Core	0.05	0.08	11.1	0.1	<0.05	1.1	7.19	24.6	<0.02	155	0.3	3.1	*	<2		
1389874	Drill Core	0.08	0.43	16.1	0.3	<0.05	1.9	6.20	24.3	<0.02	73	0.2	6.3	21	<2		
1389875	Drill Core	0.10	0.63	16.3	0.3	<0.05	1.9	5.98	26.6	<0.02	103	0.2	7.7	*	<2		
1389876	Rock	<0.02	0.03	0.5	<0.1	<0.05	<0.1	0.85	1.1	<0.02	<1	<0.1	0.7	<10	<2		
1389877	Rock Pulp	0.12	0.09	30.4	2.0	<0.05	5.5	10.90	16.3	<0.02	866	0.4	9.8	*	<2		
1389878	Drill Core	0.10	1.02	10.4	0.4	<0.05	1.9	6.08	27.4	<0.02	90	0.3	4.5	*	<2		
1389879	Drill Core	0.08	0.33	13.4	0.3	<0.05	1.4	4.69	18.6	<0.02	37	0.2	4.7	12	<2		
1389880	Drill Core	0.06	0.28	10.8	0.2	<0.05	1.2	4.27	18.7	<0.02	84	0.5	4.6	30	<2		
1389881	Drill Core	0.09	0.52	10.1	0.3	<0.05	1.6	4.66	20.7	<0.02	151	0.3	3.5	*	<2		
1389882	Drill Core	0.04	0.08	10.4	0.2	<0.05	1.0	6.03	25.3	<0.02	78	0.7	6.3	21	<2		
1389883	Drill Core	0.06	0.19	11.6	0.2	<0.05	1.2	4.50	17.8	<0.02	32	0.2	3.3	<10	<2		
1389884	Drill Core	0.05	0.21	11.2	0.2	<0.05	1.2	4.89	18.5	<0.02	23	0.4	3.7	<10	<2		
1389885	Drill Core	0.08	0.43	6.2	0.3	<0.05	1.3	6.09	23.1	<0.02	15	0.7	3.7	<10	<2		
1389886	Drill Core	0.08	0.90	9.7	0.4	<0.05	1.5	10.77	44.0	<0.02	94	1.0	6.9	*	<2		
1389887	Drill Core	0.04	0.03	10.4	0.1	<0.05	0.8	5.21	16.5	<0.02	56	0.3	7.0	18	<2		
1389888	Drill Core	0.06	0.06	11.1	0.2	<0.05	0.9	4.46	12.6	<0.02	66	0.3	6.4	23	<2		
1389889	Drill Core	0.03	0.04	9.9	0.1	<0.05	0.7	4.88	14.3	<0.02	402	0.3	8.0	*	<2		
1389890	Drill Core	0.04	<0.02	11.6	0.1	<0.05	0.9	5.19	13.2	0.04	14	0.4	3.9	<10	<2		

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PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: January 20, 2012

CERTIFICATE OF ANALYSIS VAN11004675.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389891	Drill Core	6.46	4.71	21.95	3.37	99.1	126	1.6	2.1	578	1.66	2.2	1.8	1.5	3.1	64.9	1.85	0.25	0.11	42	0.34
1389892	Drill Core	8.42	5.19	24.19	3.29	50.2	90	0.8	1.6	382	1.49	0.5	1.8	1.0	3.7	85.3	0.83	0.07	0.19	40	0.74
1389893	Drill Core	6.76	6.91	22.04	2.31	35.2	71	0.9	1.5	258	1.58	0.6	1.2	0.8	3.3	67.6	0.49	0.06	0.11	47	0.51
1389894	Drill Core	2.70	23.99	20.84	2.83	40.8	74	0.8	1.3	267	1.34	0.8	2.2	0.3	4.4	72.5	0.64	0.11	0.14	34	0.59
1389895	Drill Core	6.34	7.93	33.54	4.90	64.7	135	1.5	1.8	322	1.56	1.7	2.0	2.3	3.7	67.5	0.95	0.22	0.17	37	0.58
1389896	Drill Core	2.56	17.70	46.92	6.32	104.3	252	1.5	2.9	621	2.20	13.1	3.1	12.2	5.0	147.4	1.90	0.98	0.63	27	0.96
1389897	Drill Core	3.42	2.53	32.57	8.30	91.3	108	15.6	24.8	1074	4.96	3.2	0.9	12.7	3.3	407.6	0.25	1.15	0.12	80	4.23
1389898	Drill Core	5.85	4.93	45.41	6.87	673.0	230	1.4	4.1	844	2.71	8.3	3.2	4.2	6.7	168.0	15.51	0.56	0.57	34	1.44
1389899	Drill Core	5.86	1.63	51.49	6.38	103.0	159	1.4	2.6	833	2.22	4.4	2.0	0.7	4.3	179.0	1.45	0.41	0.34	42	1.58
1389900	Drill Core	8.39	52.17	51.04	5.54	115.2	219	1.1	2.1	770	1.77	7.7	5.1	6.4	5.4	275.1	2.17	0.57	0.33	26	1.69
1389901	Drill Core	8.32	1.14	42.53	4.75	96.9	131	0.9	1.9	651	1.70	10.0	3.7	4.8	5.3	265.1	1.75	0.52	0.39	29	1.53
1389902	Drill Core	3.18	3.04	27.20	8.25	36.0	364	1.6	1.6	686	1.76	9.6	5.3	4.0	6.6	159.6	0.47	0.38	0.83	39	1.19
1389903	Drill Core	6.29	19.92	20.82	4.00	55.8	78	0.6	1.0	317	1.15	2.1	7.0	1.5	6.5	115.0	0.98	0.21	0.19	22	0.70
1389904	Drill Core	5.29	15.61	13.18	5.54	26.8	99	0.9	1.2	424	1.09	1.8	2.8	1.4	5.5	272.5	0.38	0.51	0.24	11	1.18
1389905	Rock	0.23	0.12	0.41	1.25	16.0	<2	0.8	0.9	223	0.45	<0.1	1.0	0.3	<0.1	48.5	0.08	<0.02	<0.02	<2	25.21
1389906	Rock Pulp	0.08	1104	9652	46.78	170.3	4244	40.2	21.8	562	4.87	38.6	0.6	717.5	1.6	50.2	2.12	6.62	1.53	110	1.01
1389907	Drill Core	2.97	5.89	40.08	5.14	48.4	101	0.8	1.4	465	1.25	2.2	6.6	2.8	7.8	145.7	0.66	1.08	0.17	21	0.86
1389908	Drill Core	7.54	45.22	45.56	3.12	88.6	96	1.1	1.7	386	1.53	4.5	3.4	0.9	6.3	95.4	1.76	0.22	0.21	36	0.76
1389909	Drill Core	8.40	13.53	22.13	2.51	75.3	60	0.7	1.0	304	1.28	0.5	2.6	<0.2	5.0	71.7	1.54	0.06	0.09	36	0.64
1389910	Drill Core	8.04	15.79	26.49	3.42	44.2	73	0.8	1.3	296	1.38	0.8	3.8	<0.2	6.7	84.8	0.57	0.11	0.15	32	0.59
1389911	Drill Core	7.98	18.17	19.33	2.81	31.5	59	0.7	1.1	293	1.28	0.6	2.8	<0.2	5.3	82.1	0.47	0.06	0.06	31	0.67
1389912	Drill Core	7.86	24.19	14.29	2.27	20.7	46	0.8	1.2	288	1.28	0.9	2.1	<0.2	5.5	82.6	0.22	0.14	0.03	35	0.67
1389913	Drill Core	3.23	11.92	238.6	4.68	183.8	823	1.1	5.6	408	2.97	30.4	3.2	4.3	6.0	72.6	4.05	34.67	0.58	34	0.62
1389914	Drill Core	5.04	15.82	43.09	4.02	37.7	98	0.8	1.4	390	1.38	5.9	2.7	<0.2	5.6	125.9	0.65	0.30	0.31	28	1.01
1389915	Drill Core	2.87	420.9	252.4	67.17	81.6	1919	1.9	11.4	782	4.98	76.8	4.0	99.3	5.6	200.6	1.71	7.12	3.43	12	2.18
1389916	Drill Core	5.69	28.16	24.52	6.77	43.6	126	0.8	1.5	650	1.38	6.2	3.2	6.2	7.2	208.8	0.63	0.68	0.27	26	1.77
1389917	Drill Core	8.04	12.33	29.50	4.15	30.1	51	1.0	1.2	373	1.28	1.8	3.6	0.6	7.4	105.4	0.41	0.34	0.18	29	0.78
1389918	Drill Core	8.18	10.94	16.93	4.88	21.8	38	0.7	1.1	457	1.22	3.3	3.5	0.2	6.7	136.9	0.16	0.32	0.10	23	1.12
1389919	Drill Core	8.03	60.56	49.46	5.38	15.7	92	1.0	2.2	424	1.51	1.7	3.0	1.1	5.6	115.5	0.10	0.37	0.54	25	1.16
1389920	Drill Core	6.47	55.89	36.08	6.80	14.9	100	0.9	3.4	426	1.36	2.3	4.2	2.8	7.1	135.3	0.15	0.30	0.39	16	1.10

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CERTIFICATE OF ANALYSIS VAN11004675.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389891	Drill Core	0.054	16.7	2.4	0.13	102.9	0.066	<1	0.39	0.076	0.09	2.1	1.3	<0.02	0.17	<5	0.3	<0.02	2.2	0.48	0.1
1389892	Drill Core	0.054	15.3	1.9	0.12	101.3	0.075	<1	0.35	0.094	0.10	4.8	0.9	<0.02	0.38	<5	0.5	<0.02	2.0	0.38	<0.1
1389893	Drill Core	0.060	15.5	2.0	0.07	50.1	0.087	<1	0.25	0.084	0.08	1.6	0.4	<0.02	0.39	<5	0.5	0.02	1.6	0.12	0.1
1389894	Drill Core	0.056	15.9	1.5	0.09	48.0	0.074	<1	0.31	0.082	0.08	0.4	0.4	<0.02	0.35	<5	0.4	<0.02	1.8	0.21	0.1
1389895	Drill Core	0.065	18.8	2.5	0.12	47.0	0.083	1	0.35	0.099	0.08	2.5	0.7	<0.02	0.44	<5	0.7	<0.02	2.0	0.23	0.1
1389896	Drill Core	0.057	16.3	2.8	0.18	74.1	0.029	4	0.36	0.064	0.13	37.4	1.5	0.04	0.77	<5	0.9	0.05	1.6	0.87	<0.1
1389897	Drill Core	0.371	21.5	54.9	2.55	268.8	0.060	2	1.26	0.040	0.47	0.6	13.3	0.17	0.61	<5	0.5	0.02	4.3	3.87	0.1
1389898	Drill Core	0.057	20.7	2.2	0.27	84.0	0.025	2	0.53	0.060	0.13	10.4	1.8	0.04	1.24	<5	1.4	0.04	2.9	0.94	<0.1
1389899	Drill Core	0.062	22.3	2.4	0.26	98.7	0.041	1	0.52	0.065	0.11	14.9	1.8	0.03	0.71	<5	0.8	0.02	2.7	0.85	0.1
1389900	Drill Core	0.048	18.1	1.7	0.20	221.9	0.030	3	0.41	0.056	0.14	32.8	1.4	0.04	0.64	<5	0.8	<0.02	1.9	0.72	<0.1
1389901	Drill Core	0.050	17.8	1.5	0.19	83.8	0.035	3	0.35	0.060	0.12	6.5	1.2	0.03	0.61	<5	0.6	0.06	1.8	0.70	0.1
1389902	Drill Core	0.049	18.1	2.7	0.12	78.1	0.057	4	0.39	0.049	0.16	1.7	0.8	0.04	0.58	<5	0.7	0.02	1.8	0.70	<0.1
1389903	Drill Core	0.030	13.7	1.2	0.08	138.3	0.042	2	0.26	0.055	0.09	2.3	0.4	<0.02	0.36	<5	0.3	<0.02	1.3	0.41	<0.1
1389904	Drill Core	0.015	14.9	1.7	0.13	552.6	0.008	4	0.29	0.060	0.16	0.4	0.9	0.04	0.33	<5	0.4	<0.02	1.2	0.80	<0.1
1389905	Rock	0.016	<0.5	<0.5	13.33	14.2	<0.001	<1	0.01	0.002	<0.01	<0.1	<0.1	<0.02	<0.02	<5	0.2	<0.02	<0.1	0.06	<0.1
1389906	Rock Pulp	0.097	8.0	66.3	1.08	83.9	0.153	5	1.86	0.113	0.58	15.7	8.4	0.42	2.10	130	5.7	0.67	6.3	2.46	0.1
1389907	Drill Core	0.018	17.1	1.3	0.19	121.2	0.039	2	0.29	0.049	0.11	0.2	1.1	<0.02	0.40	<5	0.4	<0.02	1.6	0.48	<0.1
1389908	Drill Core	0.042	19.0	2.1	0.14	67.3	0.083	<1	0.35	0.096	0.12	9.2	0.8	<0.02	0.59	<5	0.9	<0.02	2.0	0.26	0.1
1389909	Drill Core	0.039	17.2	1.6	0.06	40.8	0.053	<1	0.26	0.062	0.07	3.0	0.4	<0.02	0.46	<5	0.5	0.03	1.5	0.16	<0.1
1389910	Drill Core	0.026	18.9	1.4	0.10	50.1	0.047	<1	0.28	0.061	0.08	0.5	0.7	<0.02	0.45	<5	0.5	0.03	1.8	0.30	<0.1
1389911	Drill Core	0.042	17.0	1.4	0.08	65.2	0.051	<1	0.23	0.054	0.06	0.3	0.5	<0.02	0.45	5	0.5	0.03	1.5	0.24	<0.1
1389912	Drill Core	0.046	16.6	1.8	0.08	78.0	0.062	<1	0.28	0.062	0.07	0.3	0.6	<0.02	0.36	<5	0.3	0.04	1.5	0.24	<0.1
1389913	Drill Core	0.048	15.9	1.7	0.09	38.1	0.054	2	0.31	0.056	0.07	15.3	0.6	<0.02	1.20	<5	1.7	0.03	1.8	0.38	<0.1
1389914	Drill Core	0.041	17.0	1.5	0.12	60.1	0.048	2	0.31	0.063	0.10	18.1	0.7	<0.02	0.59	<5	0.7	0.04	1.7	0.46	0.1
1389915	Drill Core	0.035	10.0	1.0	0.23	42.0	0.004	4	0.76	0.028	0.15	3.2	0.9	0.26	3.37	<5	4.8	0.24	2.7	0.94	<0.1
1389916	Drill Core	0.049	20.8	1.4	0.16	82.2	0.032	3	0.42	0.053	0.11	8.9	1.2	0.03	0.45	<5	0.6	0.04	2.0	0.66	<0.1
1389917	Drill Core	0.030	14.7	1.3	0.10	108.5	0.034	<1	0.28	0.057	0.10	12.0	0.6	0.03	0.44	<5	0.4	<0.02	1.5	0.37	<0.1
1389918	Drill Core	0.021	15.0	1.2	0.14	113.8	0.014	<1	0.33	0.048	0.10	0.9	0.9	0.03	0.36	<5	0.3	<0.02	1.9	0.47	<0.1
1389919	Drill Core	0.035	16.8	1.1	0.15	94.3	0.020	<1	0.36	0.047	0.11	4.4	0.8	0.04	0.63	<5	0.8	0.02	1.8	0.51	<0.1
1389920	Drill Core	0.029	13.9	1.0	0.11	51.6	0.013	<1	0.34	0.043	0.13	1.8	0.7	0.04	0.60	<5	0.6	<0.02	1.7	0.43	<0.1

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Project: Stewart
Report Date: January 20, 2012

CERTIFICATE OF ANALYSIS VAN11004675.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
1389891	Drill Core	0.13	0.68	3.1	0.9	<0.05	2.1	7.95	30.1	<0.02	3	0.7	6.8	<10	<2		
1389892	Drill Core	0.13	1.22	3.3	0.7	<0.05	2.5	6.80	26.4	<0.02	3	0.3	6.3	<10	<2		
1389893	Drill Core	0.14	1.98	1.9	0.5	<0.05	2.6	6.35	27.5	<0.02	3	0.1	5.8	<10	<2		
1389894	Drill Core	0.14	1.52	2.3	0.4	<0.05	2.5	6.00	26.3	<0.02	12	0.1	10.4	<10	<2		
1389895	Drill Core	0.13	1.60	2.0	0.7	<0.05	2.5	7.00	31.1	<0.02	11	0.3	9.0	<10	<2		
1389896	Drill Core	0.10	0.50	5.4	0.2	<0.05	2.3	7.15	28.8	<0.02	8	0.4	3.3	<10	<2		
1389897	Drill Core	0.13	0.05	25.7	0.4	<0.05	6.3	10.78	45.2	0.04	6	1.4	30.5	<10	<2		
1389898	Drill Core	0.08	0.29	5.3	0.3	<0.05	1.7	9.54	36.1	0.07	18	1.0	8.8	<10	<2		
1389899	Drill Core	0.10	0.40	4.3	0.5	<0.05	1.8	10.14	38.5	<0.02	33	0.8	7.8	<10	<2		
1389900	Drill Core	0.08	0.42	5.5	0.3	<0.05	1.5	9.67	33.7	<0.02	33	0.6	5.2	<10	<2		
1389901	Drill Core	0.09	0.67	4.6	0.3	<0.05	1.8	8.90	32.0	<0.02	6	0.6	4.6	<10	<2		
1389902	Drill Core	0.12	1.42	7.3	0.7	<0.05	2.4	8.66	32.8	<0.02	4	0.9	4.6	<10	<2		
1389903	Drill Core	0.13	1.01	3.4	0.3	<0.05	2.2	5.12	23.2	<0.02	15	0.3	3.0	<10	<2		
1389904	Drill Core	0.04	0.17	5.7	0.1	<0.05	0.9	4.60	23.6	<0.02	5	0.3	2.2	<10	<2		
1389905	Rock	<0.02	0.04	0.4	<0.1	<0.05	<0.1	0.69	1.0	<0.02	<1	<0.1	0.7	<10	<2		
1389906	Rock Pulp	0.16	0.10	30.3	1.7	<0.05	5.6	11.03	16.4	<0.02	948	0.3	10.0	*	<2		
1389907	Drill Core	0.11	0.85	3.2	0.3	<0.05	1.8	4.97	26.5	<0.02	9	0.4	5.9	<10	<2		
1389908	Drill Core	0.14	2.22	3.3	0.5	<0.05	2.5	6.40	30.1	<0.02	25	0.4	6.9	<10	<2		
1389909	Drill Core	0.12	1.57	1.9	0.4	<0.05	2.3	5.22	26.5	<0.02	7	0.2	4.3	<10	<2		
1389910	Drill Core	0.12	1.05	2.4	0.4	<0.05	2.2	5.15	27.6	<0.02	10	0.4	5.1	<10	<2		
1389911	Drill Core	0.13	1.41	2.0	0.4	<0.05	2.2	5.12	25.8	<0.02	5	0.2	3.6	<10	<2		
1389912	Drill Core	0.16	1.31	2.2	0.5	<0.05	2.6	6.22	27.3	<0.02	10	0.2	4.4	<10	<2		
1389913	Drill Core	0.14	1.40	3.1	0.4	<0.05	2.7	6.48	26.3	<0.02	6	0.3	4.5	<10	<2		
1389914	Drill Core	0.13	1.08	3.8	0.4	<0.05	2.3	5.92	26.9	<0.02	9	0.4	3.8	<10	<2		
1389915	Drill Core	0.07	0.12	8.4	0.2	<0.05	1.4	7.57	18.0	<0.02	268	1.2	10.6	*	<2		
1389916	Drill Core	0.09	0.50	5.1	0.3	<0.05	1.6	8.74	35.1	<0.02	21	0.6	5.9	<10	<2		
1389917	Drill Core	0.09	0.72	3.4	0.3	<0.05	1.6	5.56	23.9	<0.02	11	0.4	3.3	<10	<2		
1389918	Drill Core	0.07	0.26	3.6	0.2	<0.05	1.1	5.48	24.1	<0.02	7	0.4	6.2	<10	<2		
1389919	Drill Core	0.06	0.39	5.9	0.3	<0.05	1.1	6.20	27.2	<0.02	46	0.3	6.3	<10	<2		
1389920	Drill Core	0.05	0.26	6.2	0.3	<0.05	1.2	5.29	22.7	<0.02	24	0.4	5.4	<10	<2		

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PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: January 20, 2012

CERTIFICATE OF ANALYSIS VAN11004675.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389921	Drill Core	3.46	1081	28.18	10.35	9.7	279	0.7	1.7	359	1.02	3.2	24.7	2.4	15.9	123.0	0.35	0.56	0.99	13	0.85
1389922	Drill Core	3.60	133.8	55.60	5.13	21.7	121	1.0	3.5	385	1.57	2.8	3.8	2.8	6.4	118.2	0.48	0.40	0.74	19	1.21
1389923	Drill Core	4.77	640.2	65.21	14.83	8.9	550	0.7	4.5	324	1.72	6.5	9.3	5.2	10.7	151.4	0.24	0.69	1.94	11	0.79
1389924	Drill Core	5.46	190.1	53.23	9.42	14.1	357	0.5	3.3	500	1.69	0.9	3.9	2.1	7.3	156.4	0.25	0.34	4.45	14	0.97
1389925	Drill Core	3.28	1580	41.42	21.08	17.5	933	0.6	2.3	426	1.43	23.2	14.0	13.4	12.9	171.5	0.53	1.48	3.87	13	0.98
1389926	Drill Core	5.30	167.1	48.48	11.16	23.4	415	0.9	2.8	590	1.50	4.5	5.2	2.2	7.3	186.2	0.53	0.88	2.98	12	1.17
1389927	Drill Core	8.43	114.1	43.46	14.15	47.5	489	1.1	3.2	694	1.53	45.1	5.9	21.5	8.3	230.7	1.38	1.06	1.04	10	1.34
1389928	Rock	0.21	1.25	1.30	0.90	12.1	5	2.4	0.9	212	0.47	0.7	0.5	<0.2	<0.1	34.1	0.09	<0.02	<0.02	<2	16.48
1389929	Rock Pulp	0.08	1010	8910	43.63	156.5	3913	37.5	19.8	513	4.39	31.4	0.5	660.2	1.4	40.3	1.54	5.84	1.40	102	0.94
1389930	Drill Core	3.47	72.47	43.86	16.33	42.4	465	0.9	2.4	636	1.32	34.0	7.3	8.0	10.8	239.9	1.09	0.78	0.77	6	1.41
1389931	Drill Core	4.70	645.4	30.34	18.90	62.7	772	0.9	1.6	527	1.10	11.5	5.3	5.7	8.6	195.3	2.07	0.52	2.81	6	1.15
1389932	Drill Core	8.26	180.4	37.04	19.18	209.9	396	1.4	2.0	781	1.25	11.0	4.8	4.5	8.3	221.9	6.08	0.40	0.83	6	1.24
1389933	Drill Core	7.07	119.0	32.54	16.96	51.8	383	1.1	1.6	615	1.07	16.6	3.7	6.3	6.4	198.9	1.04	0.55	0.66	5	0.92
1389934	Drill Core	6.03	145.0	58.85	18.22	49.1	893	1.8	3.0	571	1.67	20.7	4.8	7.1	7.1	242.0	1.18	3.85	1.07	9	1.26
1389935	Drill Core	3.22	192.7	57.78	21.46	23.7	760	1.5	2.3	362	1.59	18.1	3.5	6.1	5.6	237.5	0.73	2.19	1.04	4	0.76
1389936	Drill Core	5.49	216.9	60.97	18.41	27.9	660	1.5	3.0	467	2.02	19.4	2.8	10.1	5.2	195.9	0.64	1.25	1.17	13	1.02
1389937	Drill Core	3.07	125.3	225.4	118.5	41.1	4600	3.0	10.4	282	5.26	46.2	4.0	393.4	4.2	231.5	1.17	4.27	21.70	3	0.38
1389938	Drill Core	4.16	222.7	44.39	20.72	31.4	1068	1.2	2.5	351	1.81	14.8	5.2	10.0	9.3	284.7	0.92	1.00	1.35	3	0.75
1389939	Drill Core	4.04	158.7	22.05	14.33	21.9	483	0.7	1.3	607	1.10	7.7	3.0	4.1	4.8	305.2	0.57	0.52	0.78	7	1.41
1389940	Drill Core	3.26	338.8	46.34	25.47	10.2	734	1.0	1.8	476	1.40	8.9	5.7	4.1	6.8	311.4	0.39	0.80	1.20	5	0.95
1389941	Drill Core	5.91	949.9	37.86	27.84	20.8	942	0.8	2.0	383	1.30	9.1	6.3	6.1	7.6	246.2	0.93	0.84	2.19	3	0.80
1389942	Drill Core	5.15	343.9	44.00	45.73	139.7	4863	0.9	4.0	816	1.90	37.3	4.2	62.5	5.3	420.1	4.57	2.34	54.78	4	1.07
1389943	Drill Core	3.62	440.2	55.10	16.88	8.1	580	0.9	2.6	497	1.72	20.1	6.1	7.1	6.7	256.2	0.34	0.57	1.33	6	0.99
1389944	Drill Core	4.23	765.3	38.24	32.50	6.9	1558	0.7	2.2	361	1.33	12.7	11.0	9.6	10.9	219.3	0.27	0.56	6.91	4	0.84
1389945	Drill Core	2.53	330.8	51.24	11.29	7.2	439	0.8	2.6	278	1.67	6.1	4.4	2.5	5.4	251.3	0.21	0.34	1.08	8	0.69
1389946	Drill Core	4.84	122.4	41.30	8.46	10.3	287	0.8	2.4	404	1.43	12.0	5.2	3.7	7.6	195.7	0.12	0.35	0.77	14	1.04
1389947	Drill Core	4.29	98.26	40.08	4.93	11.6	113	0.8	2.2	301	1.30	2.1	4.1	0.5	5.8	165.7	0.14	0.15	0.70	16	1.08
1389948	Drill Core	3.51	133.4	48.54	5.73	8.7	128	0.8	2.5	291	1.27	1.2	3.5	1.4	5.2	271.1	0.08	0.19	1.02	9	1.39
1389949	Drill Core	3.31	59.03	39.06	7.99	14.4	204	0.8	2.2	430	1.25	8.6	3.5	2.3	6.1	374.9	0.16	0.30	0.67	13	1.39

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CERTIFICATE OF ANALYSIS VAN11004675.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389921	Drill Core	0.020	13.8	0.9	0.09	92.8	0.003	1	0.30	0.025	0.13	5.3	0.6	0.06	0.49	<5	0.7	0.04	1.5	0.42	<0.1
1389922	Drill Core	0.035	20.1	0.8	0.14	63.5	0.015	<1	0.32	0.042	0.14	10.3	0.8	0.07	0.75	<5	1.1	0.08	1.6	0.78	<0.1
1389923	Drill Core	0.023	11.3	<0.5	0.10	63.3	0.011	<1	0.27	0.028	0.19	4.2	0.7	0.08	1.02	<5	1.3	0.11	1.2	0.47	<0.1
1389924	Drill Core	0.035	16.4	0.5	0.12	51.5	0.020	<1	0.27	0.036	0.15	1.5	0.8	0.06	0.90	9	0.9	0.14	1.2	0.42	<0.1
1389925	Drill Core	0.027	11.4	<0.5	0.08	64.4	0.009	<1	0.26	0.026	0.18	6.7	0.7	0.13	0.81	<5	0.8	0.35	1.1	0.39	<0.1
1389926	Drill Core	0.034	12.6	1.2	0.10	43.3	0.015	1	0.25	0.034	0.19	4.8	0.6	0.07	0.79	<5	0.9	0.10	1.1	0.43	<0.1
1389927	Drill Core	0.032	12.4	1.5	0.13	66.1	0.007	2	0.27	0.028	0.21	14.7	0.9	0.08	0.83	<5	0.8	0.06	1.3	0.46	<0.1
1389928	Rock	0.012	<0.5	0.7	11.39	12.0	<0.001	<1	0.02	0.003	0.01	<0.1	0.1	<0.02	0.03	<5	0.3	<0.02	<0.1	0.03	<0.1
1389929	Rock Pulp	0.079	7.2	62.1	1.03	67.7	0.136	4	1.71	0.109	0.53	14.0	7.5	0.42	1.95	130	4.9	0.58	5.9	2.13	<0.1
1389930	Drill Core	0.031	11.6	1.1	0.12	185.2	0.002	2	0.30	0.021	0.20	69.2	0.8	0.08	0.72	<5	0.6	0.09	1.2	0.45	<0.1
1389931	Drill Core	0.030	13.9	1.2	0.13	62.5	0.002	2	0.32	0.021	0.22	32.5	0.8	0.08	0.53	<5	0.5	0.13	1.3	0.41	<0.1
1389932	Drill Core	0.030	10.2	1.4	0.14	38.8	0.002	2	0.32	0.019	0.20	60.9	0.8	0.08	0.60	<5	0.5	0.05	1.2	0.48	<0.1
1389933	Drill Core	0.028	9.4	1.3	0.09	52.8	0.001	1	0.21	0.012	0.19	2.0	0.7	0.08	0.53	<5	0.6	0.05	0.8	0.41	<0.1
1389934	Drill Core	0.034	11.5	1.3	0.12	88.6	0.004	3	0.25	0.024	0.18	15.5	0.9	0.07	0.87	<5	0.9	0.05	1.0	0.56	<0.1
1389935	Drill Core	0.027	7.1	1.4	0.06	53.6	0.001	2	0.21	0.014	0.21	4.1	0.6	0.06	0.83	8	0.6	0.03	0.9	0.32	<0.1
1389936	Drill Core	0.034	11.9	1.3	0.13	38.6	0.012	2	0.30	0.030	0.19	68.1	0.9	0.08	1.04	<5	0.8	0.07	1.4	0.60	<0.1
1389937	Drill Core	0.014	3.4	1.2	0.06	34.2	<0.001	4	0.21	0.012	0.19	26.1	0.4	0.08	3.75	<5	3.5	0.72	0.9	0.31	<0.1
1389938	Drill Core	0.020	5.6	1.2	0.07	70.4	<0.001	3	0.24	0.009	0.21	3.6	0.5	0.08	1.12	<5	1.1	0.07	0.9	0.35	<0.1
1389939	Drill Core	0.030	11.0	1.3	0.11	81.8	0.003	4	0.24	0.025	0.18	66.4	0.9	0.06	0.42	<5	0.4	0.08	1.0	0.40	<0.1
1389940	Drill Core	0.024	6.5	1.1	0.07	41.3	0.002	2	0.22	0.012	0.20	21.2	0.6	0.08	0.76	<5	0.7	0.09	0.9	0.30	<0.1
1389941	Drill Core	0.021	5.0	1.0	0.06	42.7	0.001	1	0.20	0.014	0.20	13.5	0.5	0.08	0.81	5	0.7	0.18	0.8	0.30	<0.1
1389942	Drill Core	0.023	5.2	1.2	0.14	45.1	0.001	1	0.19	0.012	0.17	12.6	0.5	0.07	1.40	<5	1.3	0.86	0.8	0.33	<0.1
1389943	Drill Core	0.026	7.1	1.2	0.09	40.3	0.002	<1	0.22	0.014	0.18	57.1	0.6	0.07	0.96	<5	0.9	0.11	0.9	0.36	<0.1
1389944	Drill Core	0.019	7.1	1.1	0.06	41.6	0.002	1	0.19	0.014	0.18	11.6	0.5	0.07	0.80	<5	0.8	0.23	0.7	0.35	<0.1
1389945	Drill Core	0.020	7.9	1.0	0.07	35.1	0.006	<1	0.19	0.021	0.13	11.7	0.5	0.05	0.94	<5	1.0	0.03	0.9	0.35	<0.1
1389946	Drill Core	0.028	10.9	1.5	0.10	37.8	0.017	1	0.25	0.034	0.15	25.8	0.6	0.06	0.71	<5	0.7	0.09	1.2	0.45	<0.1
1389947	Drill Core	0.030	11.6	1.5	0.11	36.6	0.019	<1	0.26	0.041	0.13	2.8	0.7	0.06	0.61	<5	0.8	0.04	1.4	0.54	<0.1
1389948	Drill Core	0.028	10.7	1.0	0.11	42.8	0.006	2	0.27	0.039	0.16	>100	0.7	0.08	0.64	<5	0.7	0.06	1.3	0.68	<0.1
1389949	Drill Core	0.030	11.7	1.3	0.11	49.7	0.007	1	0.29	0.036	0.13	3.8	0.7	0.05	0.63	<5	0.6	0.09	1.4	0.55	<0.1

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Project: Stewart
Report Date: January 20, 2012

CERTIFICATE OF ANALYSIS VAN11004675.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
1389921	Drill Core	0.12	0.21	7.0	0.2	<0.05	1.9	4.67	21.8	<0.02	688	0.2	5.1	<10	<2		
1389922	Drill Core	0.06	0.34	9.7	0.2	<0.05	1.2	6.50	31.9	<0.02	48	0.3	5.8	<10	<2		
1389923	Drill Core	0.13	0.39	10.9	0.2	<0.05	2.1	4.09	18.5	<0.02	242	0.2	3.9	<10	<2		
1389924	Drill Core	0.08	0.56	8.7	0.3	<0.05	1.6	5.71	25.6	<0.02	75	0.3	3.8	<10	<2		
1389925	Drill Core	0.12	0.36	9.4	0.2	<0.05	2.6	4.67	18.5	<0.02	723	0.2	3.6	<10	<2		
1389926	Drill Core	0.09	0.41	11.5	0.3	<0.05	1.7	4.41	20.9	<0.02	76	0.1	3.9	40	2		
1389927	Drill Core	0.09	0.18	11.9	0.2	<0.05	1.9	4.59	20.9	<0.02	56	0.2	3.6	20	<2		
1389928	Rock	<0.02	0.04	0.4	<0.1	<0.05	<0.1	0.52	0.7	<0.02	<1	<0.1	0.5	<10	<2		
1389929	Rock Pulp	0.17	0.09	26.2	1.6	<0.05	4.9	9.66	15.6	<0.02	905	0.3	8.7	*	2		
1389930	Drill Core	0.07	0.04	10.9	0.2	<0.05	1.7	4.65	19.2	<0.02	39	0.2	3.9	<10	<2		
1389931	Drill Core	0.05	0.03	12.0	0.2	<0.05	1.2	3.92	22.7	<0.02	313	0.2	4.0	*	<2		
1389932	Drill Core	0.05	0.03	10.8	0.2	<0.05	1.1	5.26	17.8	<0.02	85	0.2	3.3	19	<2		
1389933	Drill Core	0.05	0.03	10.9	0.2	<0.05	0.9	3.61	15.8	<0.02	57	<0.1	2.2	31	<2		
1389934	Drill Core	0.05	0.15	11.0	0.2	<0.05	1.2	4.42	20.0	<0.02	55	0.1	2.4	18	<2		
1389935	Drill Core	0.04	0.03	10.5	0.3	<0.05	0.8	2.17	12.2	<0.02	89	<0.1	1.9	33	<2		
1389936	Drill Core	0.04	0.38	11.6	0.3	<0.05	1.1	4.23	20.7	<0.02	97	0.3	3.7	*	<2		
1389937	Drill Core	0.04	0.04	9.6	0.3	<0.05	0.8	1.35	6.0	<0.02	55	0.1	1.7	19	<2		
1389938	Drill Core	0.05	0.03	10.4	0.3	<0.05	1.1	1.88	9.7	<0.02	101	0.2	1.9	*	<2		
1389939	Drill Core	0.06	0.10	9.1	0.2	<0.05	0.9	4.05	18.7	<0.02	77	0.3	1.8	32	<2		
1389940	Drill Core	0.04	0.04	10.9	0.2	<0.05	1.0	2.58	11.7	<0.02	167	0.1	2.4	*	<2		
1389941	Drill Core	0.05	0.04	10.1	0.2	<0.05	1.3	2.11	8.8	<0.02	431	<0.1	1.8	*	<2		
1389942	Drill Core	0.05	0.05	9.2	0.2	<0.05	1.1	4.15	9.3	<0.02	150	<0.1	2.0	*	<2		
1389943	Drill Core	0.07	0.07	10.3	0.3	<0.05	1.3	3.41	12.3	<0.02	208	<0.1	2.6	*	<2		
1389944	Drill Core	0.09	0.13	10.5	0.2	<0.05	1.9	2.93	12.1	<0.02	344	0.2	1.9	*	<2		
1389945	Drill Core	0.07	0.25	7.2	0.2	<0.05	1.0	3.06	13.4	<0.02	158	0.2	2.3	*	<2		
1389946	Drill Core	0.09	0.53	8.8	0.3	<0.05	1.8	4.39	19.4	<0.02	41	0.2	3.0	29	<2		
1389947	Drill Core	0.07	0.61	8.4	0.3	<0.05	1.5	4.49	20.1	<0.02	42	0.3	3.5	14	<2		
1389948	Drill Core	0.05	0.16	10.4	0.2	<0.05	0.9	4.91	18.7	<0.02	90	0.3	3.1	21	<2	0.011	0.026
1389949	Drill Core	0.04	0.22	7.4	0.3	<0.05	0.9	5.22	20.5	<0.02	44	0.4	3.7	<10	<2		

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: January 20, 2012

QUALITY CONTROL REPORT VAN11004675.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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																					
1389775	Drill Core	0.58	8.63	36.24	4.46	19.4	102	1.4	1.6	323	1.55	0.9	6.1	0.8	15.1	52.9	0.24	0.19	0.21	34	0.43
REP 1389775	QC		8.67	34.46	4.03	18.8	82	1.5	1.4	314	1.55	0.9	6.1	0.7	15.0	50.3	0.20	0.16	0.19	34	0.41
1389794	Drill Core	2.92	34.64	67.50	25.45	22.9	1287	8.5	9.5	835	2.69	106.2	2.9	27.4	4.4	210.6	0.33	2.05	2.41	20	2.25
REP 1389794	QC		37.58	68.87	25.79	22.3	1325	8.4	9.5	877	2.75	107.4	2.9	25.5	4.6	213.5	0.33	2.17	2.57	20	2.31
1389809	Drill Core	7.60	21.46	46.88	11.31	54.4	297	1.3	3.4	623	1.47	27.0	2.3	8.3	4.7	610.3	1.17	2.22	1.13	9	1.89
REP 1389809	QC		21.44	45.41	10.81	50.5	273	1.0	2.9	646	1.48	26.7	2.3	7.5	4.6	586.8	1.08	2.18	1.05	9	1.89
1389812	Drill Core	8.52	23.89	48.30	9.47	9.9	194	1.4	3.4	525	1.48	14.8	2.8	3.8	5.1	241.8	0.17	1.89	1.01	11	1.45
REP 1389812	QC		23.88	48.89	9.40	9.5	198	1.4	3.2	490	1.47	14.0	2.9	3.0	5.2	245.2	0.16	1.88	1.02	12	1.46
1389834	Drill Core	4.34	25.64	51.25	9.57	89.4	265	0.7	2.5	637	1.78	24.6	1.8	10.0	3.9	75.6	1.34	0.53	0.57	20	0.59
REP 1389834	QC		24.32	47.94	9.36	84.1	254	0.7	2.4	616	1.74	24.1	1.8	9.9	3.8	72.0	1.24	0.54	0.55	20	0.57
1389849	Drill Core	3.23	>2000	81.19	122.6	229.4	2867	4.1	10.2	908	4.25	189.5	7.1	147.7	3.4	253.0	6.48	4.45	8.66	5	2.54
REP 1389849	QC																				
1389861	Drill Core	3.97	795.3	43.34	28.26	74.7	902	2.0	2.2	795	1.39	9.1	3.9	6.0	5.9	241.5	2.50	1.46	2.50	5	0.92
REP 1389861	QC		799.7	44.89	29.56	77.5	955	2.1	2.4	794	1.39	9.3	4.0	5.6	6.2	245.7	2.57	1.49	2.60	5	0.93
1389871	Drill Core	4.57	435.4	62.38	24.57	77.5	991	1.3	3.9	616	1.93	47.5	2.6	119.7	4.5	274.6	2.13	3.51	3.46	15	1.72
REP 1389871	QC		439.9	60.61	23.18	70.7	1033	1.3	3.8	601	1.96	47.7	2.7	104.7	4.4	275.4	2.17	3.61	3.37	15	1.75
REP 1389889	QC		839.9	53.53	60.92	98.9	1068	1.0	2.5	688	1.70	12.4	3.5	6.9	4.9	303.7	1.40	0.72	1.99	8	1.33
1389898	Drill Core	5.85	4.93	45.41	6.87	673.0	230	1.4	4.1	844	2.71	8.3	3.2	4.2	6.7	168.0	15.51	0.56	0.57	34	1.44
REP 1389898	QC		4.94	47.66	7.09	688.2	233	1.5	4.2	852	2.80	8.8	3.4	3.7	7.1	172.4	16.48	0.59	0.59	35	1.49
1389920	Drill Core	6.47	55.89	36.08	6.80	14.9	100	0.9	3.4	426	1.36	2.3	4.2	2.8	7.1	135.3	0.15	0.30	0.39	16	1.10
REP 1389920	QC		55.06	35.31	6.86	14.6	92	0.8	3.6	431	1.40	2.2	4.2	1.4	7.3	137.3	0.16	0.31	0.38	17	1.10
1389927	Drill Core	8.43	114.1	43.46	14.15	47.5	489	1.1	3.2	694	1.53	45.1	5.9	21.5	8.3	230.7	1.38	1.06	1.04	10	1.34
REP 1389927	QC		115.0	43.19	13.99	48.0	495	1.1	3.3	727	1.52	45.5	6.1	25.1	8.5	234.5	1.39	1.07	1.05	10	1.34
1389941	Drill Core	5.91	949.9	37.86	27.84	20.8	942	0.8	2.0	383	1.30	9.1	6.3	6.1	7.6	246.2	0.93	0.84	2.19	3	0.80
REP 1389941	QC		896.1	35.66	25.41	20.1	882	0.8	1.8	366	1.21	8.7	6.0	6.8	7.2	233.6	0.81	0.78	2.08	3	0.74
Core Reject Duplicates																					
1389784	Drill Core	5.15	220.4	56.81	6.11	25.2	194	12.9	5.3	737	1.99	10.6	2.4	17.9	4.4	174.6	0.20	1.38	2.58	50	2.16
DUP 1389784	QC		227.0	53.89	5.47	24.2	181	12.2	5.2	727	2.00	11.4	2.5	16.9	4.4	175.9	0.13	1.47	2.71	48	2.15

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QUALITY CONTROL REPORT VAN11004675.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
Pulp Duplicates																					
1389775	Drill Core	0.037	16.3	2.2	0.10	44.3	0.057	1	0.31	0.062	0.11	0.3	0.5	0.03	0.43	5	0.5	<0.02	1.7	0.40	<0.1
REP 1389775	QC	0.037	16.4	2.0	0.10	42.1	0.055	<1	0.30	0.062	0.11	0.3	0.5	0.03	0.44	<5	0.5	<0.02	1.8	0.37	<0.1
1389794	Drill Core	0.046	11.5	10.3	0.35	69.6	0.009	2	0.41	0.031	0.25	>100	2.2	0.16	1.83	<5	1.8	0.11	1.7	1.58	<0.1
REP 1389794	QC	0.047	11.6	10.5	0.36	70.9	0.010	2	0.42	0.032	0.26	>100	2.3	0.16	1.91	<5	1.8	0.16	1.9	1.66	<0.1
1389809	Drill Core	0.038	14.9	<0.5	0.20	77.8	0.003	1	0.25	0.029	0.18	2.4	0.8	0.08	0.74	<5	0.5	0.10	1.3	0.73	<0.1
REP 1389809	QC	0.037	14.6	<0.5	0.20	74.4	0.003	2	0.25	0.029	0.18	2.2	0.8	0.07	0.75	<5	0.6	0.09	1.2	0.70	<0.1
1389812	Drill Core	0.031	13.0	2.3	0.17	47.7	0.010	2	0.27	0.033	0.19	6.9	0.8	0.10	0.69	<5	0.9	0.10	1.3	0.76	<0.1
REP 1389812	QC	0.032	13.3	2.1	0.17	49.0	0.010	<1	0.27	0.034	0.20	6.7	0.8	0.10	0.69	<5	0.9	0.08	1.2	0.76	<0.1
1389834	Drill Core	0.050	22.8	1.2	0.20	113.9	0.011	2	0.58	0.045	0.14	15.6	1.4	0.06	0.23	<5	0.4	0.05	2.5	0.73	<0.1
REP 1389834	QC	0.046	22.0	1.2	0.20	111.8	0.011	2	0.57	0.044	0.14	15.0	1.4	0.06	0.23	8	0.3	<0.02	2.4	0.73	<0.1
1389849	Drill Core	0.025	4.4	1.1	0.15	28.3	<0.001	3	0.36	0.014	0.17	20.9	0.7	0.50	4.54	23	5.1	0.55	1.2	0.57	<0.1
REP 1389849	QC																				
1389861	Drill Core	0.026	7.1	1.3	0.13	48.0	<0.001	1	0.22	0.013	0.22	3.0	0.7	0.09	0.70	7	0.6	0.16	0.9	0.32	<0.1
REP 1389861	QC	0.030	7.2	1.4	0.13	52.3	<0.001	1	0.22	0.013	0.22	2.9	0.8	0.09	0.72	<5	0.6	0.15	0.9	0.33	<0.1
1389871	Drill Core	0.040	15.4	1.6	0.22	60.9	0.012	3	0.33	0.039	0.20	>100	1.1	0.11	1.13	<5	1.1	0.16	1.6	0.97	<0.1
REP 1389871	QC	0.041	15.4	1.6	0.21	61.4	0.011	2	0.33	0.039	0.20	>100	1.2	0.12	1.15	<5	1.2	0.22	1.6	1.00	<0.1
REP 1389889	QC	0.026	7.8	1.2	0.12	48.5	0.002	2	0.44	0.028	0.17	30.5	0.9	0.07	0.86	<5	1.0	0.22	2.1	0.51	<0.1
1389898	Drill Core	0.057	20.7	2.2	0.27	84.0	0.025	2	0.53	0.060	0.13	10.4	1.8	0.04	1.24	<5	1.4	0.04	2.9	0.94	<0.1
REP 1389898	QC	0.059	22.0	2.2	0.29	88.6	0.027	2	0.56	0.063	0.13	11.0	1.9	0.04	1.28	<5	1.4	0.03	2.9	0.98	<0.1
1389920	Drill Core	0.029	13.9	1.0	0.11	51.6	0.013	<1	0.34	0.043	0.13	1.8	0.7	0.04	0.60	<5	0.6	<0.02	1.7	0.43	<0.1
REP 1389920	QC	0.029	14.3	0.9	0.12	54.0	0.013	<1	0.34	0.045	0.14	1.9	0.6	0.04	0.62	<5	0.7	0.04	1.7	0.47	<0.1
1389927	Drill Core	0.032	12.4	1.5	0.13	66.1	0.007	2	0.27	0.028	0.21	14.7	0.9	0.08	0.83	<5	0.8	0.06	1.3	0.46	<0.1
REP 1389927	QC	0.032	12.6	1.5	0.13	67.5	0.007	2	0.27	0.028	0.21	14.3	0.9	0.09	0.83	<5	0.8	0.09	1.2	0.47	<0.1
1389941	Drill Core	0.021	5.0	1.0	0.06	42.7	0.001	1	0.20	0.014	0.20	13.5	0.5	0.08	0.81	5	0.7	0.18	0.8	0.30	<0.1
REP 1389941	QC	0.020	4.7	1.0	0.06	41.5	0.001	2	0.19	0.013	0.18	12.3	0.4	0.07	0.75	<5	0.6	0.15	0.8	0.29	<0.1
Core Reject Duplicates																					
1389784	Drill Core	0.054	14.0	19.2	0.53	41.4	0.052	2	0.48	0.044	0.29	0.9	2.9	0.21	0.82	7	1.2	0.15	2.4	2.45	<0.1
DUP 1389784	QC	0.052	13.6	18.6	0.51	38.7	0.049	2	0.44	0.039	0.27	0.9	3.0	0.20	0.81	<5	1.0	0.12	2.4	2.38	<0.1

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Grass Valley California 95945 USA

Project: Stewart
Report Date: January 20, 2012

QUALITY CONTROL REPORT VAN11004675.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	7KP	7KP
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	W
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.001	0.005
Pulp Duplicates																	
1389775	Drill Core	0.17	0.69	4.8	0.3	<0.05	2.9	5.68	27.3	<0.02	32	0.3	2.6	<10	<2		
REP 1389775	QC	0.15	0.69	4.4	0.3	<0.05	3.1	5.42	26.7	<0.02	30	0.3	2.6	<10	<2		
1389794	Drill Core	0.06	0.07	19.9	0.2	<0.05	1.2	5.84	18.5	<0.02	29	0.3	8.9	<10	<2	0.003	0.036
REP 1389794	QC	0.06	0.09	20.4	0.2	<0.05	1.3	6.14	19.0	<0.02	28	0.4	8.9	<10	<2		
1389809	Drill Core	0.06	0.10	11.7	0.2	<0.05	1.1	6.03	24.2	<0.02	12	0.4	3.4	<10	<2		
REP 1389809	QC	0.06	0.11	11.4	0.2	<0.05	1.1	5.82	23.5	<0.02	10	0.3	3.5	<10	<2		
1389812	Drill Core	0.06	0.25	14.0	0.2	<0.05	1.4	4.93	21.6	<0.02	13	0.2	5.3	<10	<2		
REP 1389812	QC	0.07	0.25	13.7	0.2	<0.05	1.4	4.94	22.1	<0.02	13	0.4	5.5	<10	<2		
1389834	Drill Core	0.05	0.10	6.6	0.2	<0.05	1.0	8.32	40.7	<0.02	8	0.8	7.7	<10	<2		
REP 1389834	QC	0.04	0.08	6.3	0.2	<0.05	1.0	7.92	39.8	<0.02	9	0.4	7.4	<10	<2		
1389849	Drill Core	0.03	0.03	9.0	0.1	<0.05	0.9	6.41	7.9	<0.02	1412	0.2	4.6	*	<2	0.245	<0.005
REP 1389849	QC															0.249	<0.005
1389861	Drill Core	0.03	0.02	12.3	0.2	<0.05	1.0	3.54	11.3	<0.02	367	<0.1	2.6	*	<2		
REP 1389861	QC	0.04	0.03	12.2	0.2	<0.05	1.0	3.61	11.1	<0.02	373	0.1	2.8	*	<2		
1389871	Drill Core	0.07	0.29	16.0	0.2	<0.05	1.4	6.51	25.5	<0.02	217	0.2	6.5	*	<2	0.036	0.015
REP 1389871	QC	0.07	0.32	16.0	0.2	<0.05	1.4	6.56	25.3	<0.02	223	0.4	6.7	*	<2		
REP 1389889	QC	0.03	0.05	9.6	0.2	<0.05	0.7	4.87	13.2	<0.02	415	0.6	7.5	*	<2		
1389898	Drill Core	0.08	0.29	5.3	0.3	<0.05	1.7	9.54	36.1	0.07	18	1.0	8.8	<10	<2		
REP 1389898	QC	0.08	0.31	5.3	0.3	<0.05	1.7	9.96	38.6	0.07	17	1.1	9.4	<10	<2		
1389920	Drill Core	0.05	0.26	6.2	0.3	<0.05	1.2	5.29	22.7	<0.02	24	0.4	5.4	<10	<2		
REP 1389920	QC	0.07	0.28	6.8	0.3	<0.05	1.2	5.41	23.6	<0.02	23	0.4	5.4	<10	<2		
1389927	Drill Core	0.09	0.18	11.9	0.2	<0.05	1.9	4.59	20.9	<0.02	56	0.2	3.6	20	<2		
REP 1389927	QC	0.09	0.17	12.5	0.2	<0.05	1.8	4.47	20.7	<0.02	49	0.1	3.1	14	<2		
1389941	Drill Core	0.05	0.04	10.1	0.2	<0.05	1.3	2.11	8.8	<0.02	431	<0.1	1.8	*	<2		
REP 1389941	QC	0.06	0.04	9.6	0.2	<0.05	1.2	2.04	8.5	<0.02	373	0.1	1.6	*	<2		
Core Reject Duplicates																	
1389784	Drill Core	0.14	0.53	26.6	0.2	<0.05	2.5	6.96	23.3	<0.02	141	0.5	15.4	*	<2		
DUP 1389784	QC	0.13	0.55	26.8	0.3	<0.05	2.5	6.66	23.5	<0.02	142	0.6	15.6	*	2		

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QUALITY CONTROL REPORT VAN11004675.2

		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		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
1389819	Drill Core	8.70	22.00	26.59	4.83	12.1	93	0.6	1.5	314	1.06	1.1	3.2	1.5	5.0	100.4	0.13	0.08	0.43	16	0.71
DUP 1389819	QC		18.84	25.13	4.77	10.8	90	0.9	1.4	302	1.03	0.9	3.1	1.1	4.8	102.1	0.08	0.08	0.41	16	0.68
1389854	Drill Core	4.73	93.06	50.24	6.54	9.9	134	0.9	2.6	360	1.45	16.8	11.3	2.6	9.2	187.0	0.11	1.35	0.51	15	1.28
DUP 1389854	QC		90.26	49.07	6.59	9.9	134	0.8	2.9	369	1.45	16.9	11.6	2.1	9.1	189.8	0.13	1.43	0.52	15	1.26
1389889	Drill Core	3.84	860.2	53.89	62.92	100.1	1133	1.0	2.4	668	1.73	12.2	3.7	7.2	4.8	319.6	1.52	0.72	2.00	8	1.36
DUP 1389889	QC		800.5	66.94	63.56	96.4	1113	1.0	2.5	655	1.71	12.5	3.6	7.0	5.1	319.9	1.48	0.71	2.04	8	1.31
1389924	Drill Core	5.46	190.1	53.23	9.42	14.1	357	0.5	3.3	500	1.69	0.9	3.9	2.1	7.3	156.4	0.25	0.34	4.45	14	0.97
DUP 1389924	QC		208.1	60.05	10.11	15.3	375	0.7	3.2	532	1.77	0.7	4.2	2.5	7.5	156.5	0.21	0.37	5.20	16	1.06
Reference Materials																					
STD DS8	Standard		13.34	113.5	138.4	321.4	1827	38.0	7.6	620	2.52	24.9	3.2	116.6	7.7	66.1	2.45	5.77	7.53	42	0.73
STD DS8	Standard		13.23	120.5	124.0	327.8	1812	42.0	8.4	649	2.69	28.5	2.9	110.6	7.0	66.9	2.55	5.78	6.93	45	0.75
STD DS8	Standard		12.51	113.0	130.6	326.9	1719	38.6	7.6	616	2.49	26.5	3.0	120.0	7.2	69.3	2.59	6.24	7.67	40	0.68
STD DS8	Standard		13.33	109.3	128.0	301.2	1758	38.0	7.5	610	2.62	23.7	2.8	108.3	6.6	64.7	2.23	5.44	6.82	43	0.69
STD DS8	Standard		11.82	105.4	120.5	300.2	1747	34.8	7.2	575	2.39	25.4	2.9	112.1	7.0	67.4	2.28	5.84	7.57	39	0.66
STD DS8	Standard		13.13	116.9	129.7	312.7	1742	39.7	7.8	618	2.58	26.9	3.0	109.9	7.5	70.9	2.46	5.92	7.57	42	0.71
STD DS8	Standard		14.25	113.6	124.5	314.8	1811	39.1	7.8	630	2.52	23.9	2.9	112.1	7.3	66.8	2.31	5.44	6.71	43	0.76
STD NBLG	Standard																				
STD NBLG	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107 Expected																					
STD DS8 Expected			13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
BLK	Blank																				
BLK	Blank		<0.01	0.29	<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
BLK	Blank		<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
BLK	Blank		<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
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	6	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank																				
BLK	Blank		<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

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QUALITY CONTROL REPORT VAN11004675.2

		1F30 P % 0.001	1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Tl ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1	1F30 Cs ppm 0.02	1F30 Ge ppm 0.1
1389819	Drill Core	0.021	8.4	1.5	0.10	30.8	0.023	1	0.23	0.047	0.11	1.0	0.4	0.04	0.42	<5	0.5	0.03	1.2	0.37	<0.1
DUP 1389819	QC	0.020	8.5	1.9	0.09	34.2	0.024	<1	0.23	0.052	0.12	1.3	0.4	0.04	0.39	<5	0.5	0.03	1.2	0.36	<0.1
1389854	Drill Core	0.029	13.5	1.4	0.13	58.1	0.012	2	0.25	0.041	0.14	4.8	0.7	0.05	0.68	<5	0.9	<0.02	1.2	0.55	<0.1
DUP 1389854	QC	0.029	13.9	1.1	0.13	56.4	0.011	2	0.22	0.039	0.13	5.5	0.6	0.05	0.69	<5	0.9	<0.02	1.2	0.54	<0.1
1389889	Drill Core	0.027	8.2	1.2	0.13	48.4	0.002	<1	0.48	0.028	0.17	31.0	0.8	0.08	0.88	<5	0.8	0.15	2.2	0.52	<0.1
DUP 1389889	QC	0.028	8.4	1.2	0.13	53.3	0.002	1	0.48	0.029	0.18	31.1	0.8	0.08	0.88	<5	1.0	0.17	2.1	0.51	<0.1
1389924	Drill Core	0.035	16.4	0.5	0.12	51.5	0.020	<1	0.27	0.036	0.15	1.5	0.8	0.06	0.90	9	0.9	0.14	1.2	0.42	<0.1
DUP 1389924	QC	0.034	16.2	0.6	0.13	46.8	0.020	<1	0.26	0.036	0.15	1.9	0.8	0.05	0.95	<5	1.0	0.23	1.2	0.43	<0.1
Reference Materials																					
STD DS8	Standard	0.079	15.6	119.6	0.64	280.1	0.110	2	0.96	0.089	0.43	3.0	2.2	5.70	0.17	217	5.5	5.11	4.7	2.56	<0.1
STD DS8	Standard	0.095	15.3	125.5	0.65	275.9	0.134	3	0.98	0.093	0.44	3.0	2.4	5.27	0.17	200	5.3	4.69	4.8	2.57	0.2
STD DS8	Standard	0.080	14.8	116.8	0.63	276.5	0.112	4	0.93	0.096	0.42	3.3	2.0	5.79	0.16	182	5.2	4.94	4.8	2.47	0.1
STD DS8	Standard	0.077	15.9	118.7	0.63	265.5	0.123	3	0.96	0.090	0.43	3.0	2.1	5.41	0.17	215	5.0	4.57	4.5	2.44	0.1
STD DS8	Standard	0.079	14.2	115.8	0.60	252.3	0.107	2	0.95	0.086	0.41	3.0	1.9	5.24	0.16	203	5.2	4.79	4.5	2.39	0.1
STD DS8	Standard	0.085	15.4	117.7	0.64	268.0	0.115	3	0.94	0.088	0.42	3.1	2.1	5.49	0.17	204	5.6	5.12	4.7	2.53	0.1
STD DS8	Standard	0.078	17.7	125.6	0.62	258.3	0.128	3	0.99	0.101	0.43	3.0	2.4	5.47	0.16	208	5.1	4.95	4.8	2.40	0.1
STD NBLG	Standard																				
STD NBLG	Standard																				
STD W107	Standard																				
STD W107	Standard																				
STD W107 Expected																					
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13
BLK	Blank																				
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank																				
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1

Acme Analytical Laboratories (Vancouver) Ltd.
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www.acmelab.com

Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: January 20, 2012

QUALITY CONTROL REPORT VAN11004675.2

		1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	7KP Mo % 0.001	7KP W % 0.005
1389819	Drill Core	0.07	0.54	5.8	0.2	<0.05	1.2	3.78	14.5	<0.02	13	0.2	3.6	<10	<2		
DUP 1389819	QC	0.08	0.52	6.0	0.2	<0.05	1.2	3.85	14.4	<0.02	10	0.2	3.1	<10	<2		
1389854	Drill Core	0.08	0.42	7.6	0.2	<0.05	1.7	5.19	22.7	<0.02	41	0.2	3.5	17	<2		
DUP 1389854	QC	0.10	0.39	7.4	0.2	<0.05	1.6	5.25	22.7	<0.02	46	0.2	3.3	<10	<2		
1389889	Drill Core	0.03	0.04	9.9	0.1	<0.05	0.7	4.88	14.3	<0.02	402	0.3	8.0	*	<2		
DUP 1389889	QC	0.03	0.04	9.8	0.2	<0.05	0.6	4.83	14.6	<0.02	374	0.5	8.0	*	<2		
1389924	Drill Core	0.08	0.56	8.7	0.3	<0.05	1.6	5.71	25.6	<0.02	75	0.3	3.8	<10	<2		
DUP 1389924	QC	0.11	0.57	8.2	0.3	<0.05	1.7	5.82	26.2	0.02	78	0.2	3.7	<10	<2		
Reference Materials																	
STD DS8	Standard	0.09	1.28	39.5	7.1	<0.05	2.0	6.21	27.8	2.43	54	5.0	27.3	107	353		
STD DS8	Standard	0.08	1.35	39.0	7.2	<0.05	2.2	6.44	28.3	2.37	53	5.4	30.5	103	353		
STD DS8	Standard	0.08	1.31	42.4	7.1	<0.05	2.1	5.86	25.4	2.32	57	5.3	27.3	98	372		
STD DS8	Standard	0.07	1.33	36.3	6.5	<0.05	2.1	5.99	28.4	2.14	63	5.1	26.8	123	350		
STD DS8	Standard	0.07	1.13	37.6	7.1	<0.05	2.0	5.58	25.1	2.38	60	5.3	27.9	104	338		
STD DS8	Standard	0.08	1.26	39.5	7.5	<0.05	2.2	6.19	27.1	2.47	61	5.3	29.1	107	353		
STD DS8	Standard	0.11	1.50	37.4	6.6	<0.05	2.3	6.73	33.6	2.12	66	4.9	24.2	111	360		
STD NBLG	Standard															0.001	<0.005
STD NBLG	Standard															<0.001	<0.005
STD W107	Standard															0.036	0.406
STD W107	Standard															0.041	0.418
STD W107 Expected																0.045	0.42
STD DS8 Expected		0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339		
BLK	Blank															<0.001	<0.005
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
BLK	Blank															<0.001	<0.005
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		

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PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: January 20, 2012

QUALITY CONTROL REPORT VAN11004675.2

		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		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
BLK	Blank		1.28	<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
BLK	Blank		<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
Prep Wash																					
G1	Prep Blank	<0.01	0.02	7.69	5.89	42.2	9	13.4	4.4	545	2.07	0.3	1.5	2.2	4.6	60.9	0.14	0.12	0.14	36	0.47
G1	Prep Blank	<0.01	0.02	5.85	4.86	41.5	5	3.9	3.9	566	2.12	0.1	1.5	1.3	5.4	60.9	<0.01	<0.02	0.05	36	0.46

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QUALITY CONTROL REPORT VAN11004675.2

		1F30 P % 0.001	1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Tl ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1	1F30 Cs ppm 0.02	1F30 Ge ppm 0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
Prep Wash																					
G1	Prep Blank	0.066	12.2	11.1	0.50	152.3	0.117	2	0.90	0.088	0.45	<0.1	1.9	0.31	<0.02	6	<0.1	<0.02	4.5	2.67	<0.1
G1	Prep Blank	0.074	12.3	6.6	0.50	154.3	0.121	1	0.90	0.082	0.45	<0.1	2.0	0.31	<0.02	<5	<0.1	<0.02	4.7	2.86	0.1

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QUALITY CONTROL REPORT VAN11004675.2

		1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	7KP Mo % 0.001	7KP W % 0.005
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
Prep Wash																	
G1	Prep Blank	0.07	0.39	39.3	0.6	<0.05	0.9	5.08	21.2	0.06	<1	0.4	26.7	<10	<2		
G1	Prep Blank	0.04	0.39	41.1	0.5	<0.05	1.0	4.96	22.3	<0.02	<1	0.2	28.9	<10	<2		

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Submitted By: Rob Pease
Receiving Lab: Canada-Vancouver
Received: September 13, 2011
Report Date: November 09, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS VAN11004676.2

CLIENT JOB INFORMATION

Project: Stewart
Shipment ID: Stewy 9
P.O. Number
Number of Samples: 37

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-500	36	Crush, split and pulverize 500 g rock to 200 mesh			VAN
1F03	37	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
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.

ADDITIONAL COMMENTS

Version 2 : 1F06 full package included.

Invoice To: Emgold Mining Corp.
PO Box 1836
Grass Valley California 95945
USA

CC: Perry Grunenbery

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.

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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004676.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389950	Drill Core	5.40	20.74	30.28	3.74	96.4	100	0.9	1.6	406	1.38	1.8	3.0	4.3	4.6	65.2	1.55	0.17	0.20	29	0.55
1389951	Drill Core	5.92	10.66	29.35	5.22	63.7	196	1.2	2.1	724	1.71	6.4	2.6	3.3	3.5	96.4	0.87	0.66	0.23	23	0.78
1389952	Drill Core	8.00	9.83	14.89	2.13	54.3	59	0.8	1.3	236	1.39	0.5	1.3	1.1	3.5	58.8	0.92	0.12	0.12	41	0.43
1389953	Drill Core	7.84	9.31	19.08	2.93	46.0	69	1.2	1.6	256	1.78	0.7	1.9	1.2	3.5	53.5	1.04	0.18	0.16	45	0.36
1389954	Drill Core	8.44	10.33	22.95	3.49	59.7	107	0.9	1.3	261	1.47	4.3	2.7	0.2	4.2	63.6	0.99	0.16	0.19	37	0.32
1389955	Drill Core	4.24	11.19	26.86	4.36	70.9	129	0.8	1.2	398	1.51	4.4	3.1	1.7	5.2	84.0	1.35	0.51	0.24	24	0.56
1389956	Drill Core	3.72	38.73	44.68	12.32	105.2	202	13.8	20.0	715	4.18	15.5	1.1	31.8	2.6	192.6	1.88	2.03	0.49	85	2.81
1389957	Drill Core	8.32	4.68	39.19	5.38	104.2	148	1.0	1.7	589	1.65	15.2	3.7	2.9	4.4	141.3	1.77	0.67	0.29	33	1.14
1389958	Drill Core	7.62	58.40	44.83	11.31	111.5	279	0.7	1.8	632	1.53	11.9	3.4	5.7	5.2	195.8	2.00	1.17	0.46	28	1.49
1389959	Drill Core	8.21	9.29	29.26	6.72	47.6	279	0.8	1.3	456	1.38	4.7	2.3	8.2	3.9	150.2	0.80	0.52	0.86	32	1.08
1389960	Drill Core	6.16	24.24	28.31	3.82	147.4	112	0.7	1.1	504	1.32	4.5	2.2	1.7	3.6	207.4	3.16	0.49	0.32	26	1.23
1389961	Drill Core	7.78	5.81	28.49	4.19	46.0	128	0.7	1.3	396	1.41	3.9	2.3	3.1	4.5	135.4	0.72	0.38	1.86	31	1.05
1389962	Drill Core	7.85	4.31	18.20	2.22	40.5	63	0.6	1.1	370	1.19	0.7	2.8	<0.2	4.7	96.9	0.64	0.13	0.10	35	0.85
1389963	Drill Core	7.76	18.69	27.23	2.53	74.2	81	0.6	1.2	434	1.30	0.8	2.6	<0.2	4.4	91.9	1.35	0.15	0.15	42	0.90
1389964	Drill Core	8.04	7.57	22.60	3.47	52.7	69	0.7	1.1	544	1.23	1.9	4.3	<0.2	5.3	138.9	0.80	0.14	0.11	47	1.04
1389965	Drill Core	8.04	4.91	13.49	2.88	40.5	50	0.6	1.0	472	1.15	0.7	4.5	<0.2	5.3	138.3	0.56	0.13	0.07	35	0.97
1389966	Drill Core	8.32	25.72	21.24	3.83	85.1	83	0.6	1.2	560	1.33	5.0	2.0	3.9	3.4	225.3	1.62	0.53	0.25	28	1.39
1389967	Drill Core	7.54	23.44	26.88	5.33	74.3	118	0.8	1.7	590	1.48	8.6	1.4	4.1	3.6	256.6	1.48	0.69	0.32	23	1.75
1389968	Drill Core	7.67	12.23	21.98	3.03	53.8	78	0.8	1.4	372	1.49	0.9	2.9	<0.2	5.3	94.8	0.84	0.19	0.13	43	0.86
1389969	Drill Core	8.86	2.78	20.64	3.65	59.3	77	0.7	1.4	551	1.43	2.7	2.3	1.1	4.8	225.1	1.04	0.26	0.18	26	1.59
1389970	Drill Core	8.17	6.21	13.87	2.73	35.5	54	0.6	1.1	398	1.22	0.3	3.7	<0.2	4.5	107.7	0.47	0.09	0.14	30	0.95
1389971	Drill Core	7.98	16.17	21.97	85.48	221.8	158	0.8	1.1	485	1.27	2.5	3.8	1.1	5.7	106.5	1.97	0.28	0.19	30	1.16
1389972	Rock	0.27	0.05	0.74	1.24	9.5	4	1.9	0.6	194	0.41	0.2	0.5	<0.2	<0.1	39.0	0.04	<0.02	<0.02	<2	16.15
1389973	Rock Pulp	0.08	341.6	3206	22.41	54.7	1754	29.3	7.5	418	2.96	13.5	0.3	818.1	1.1	35.8	0.89	3.63	0.59	47	0.60
1389974	Drill Core	7.25	2.72	26.26	3.86	42.1	98	0.7	1.1	409	1.33	3.2	3.2	0.7	5.0	124.1	0.64	0.14	0.20	31	1.08
1389975	Drill Core	8.18	10.81	21.42	3.69	75.4	78	0.7	1.2	391	1.22	1.5	3.8	0.8	5.2	109.1	1.61	0.23	0.17	27	0.93
1389976	Drill Core	8.25	33.76	28.03	4.75	114.6	113	0.5	1.1	512	1.20	5.2	2.9	1.8	4.5	271.2	2.57	0.31	0.92	14	1.68
1389977	Drill Core	7.81	7.99	20.18	4.05	50.7	97	0.7	1.3	543	1.36	2.2	1.6	1.1	3.3	166.5	0.82	0.18	0.18	28	1.44
1389978	Drill Core	8.27	5.49	28.00	6.93	70.6	476	0.6	1.4	517	1.30	16.1	1.7	17.2	3.3	132.7	1.43	0.37	2.72	30	1.41
1389979	Drill Core	7.95	240.8	21.48	2.94	42.6	73	0.7	1.2	458	1.25	2.8	1.8	4.9	3.4	90.7	0.99	0.16	0.26	33	1.02

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CERTIFICATE OF ANALYSIS VAN11004676.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389950	Drill Core	0.041	15.4	2.9	0.09	45.5	0.035	1	0.28	0.056	0.08	11.3	0.8	<0.02	0.41	<5	0.5	0.06	1.6	0.45	<0.1
1389951	Drill Core	0.051	16.2	2.3	0.12	107.5	0.025	5	0.35	0.047	0.10	1.1	1.4	0.03	0.40	10	0.7	0.03	1.8	0.78	<0.1
1389952	Drill Core	0.050	16.9	3.0	0.07	39.1	0.069	1	0.25	0.117	0.09	0.4	0.4	<0.02	0.36	<5	0.4	0.05	1.6	0.15	<0.1
1389953	Drill Core	0.052	17.2	2.7	0.09	109.3	0.059	1	0.30	0.092	0.08	1.9	0.5	<0.02	0.34	<5	0.3	<0.02	1.8	0.26	<0.1
1389954	Drill Core	0.044	12.8	2.3	0.07	43.3	0.061	<1	0.28	0.115	0.10	5.0	0.5	<0.02	0.40	10	0.5	0.04	1.6	0.12	0.1
1389955	Drill Core	0.038	14.0	2.1	0.08	72.3	0.042	3	0.29	0.071	0.11	3.7	0.5	0.03	0.45	6	0.6	<0.02	1.4	0.40	<0.1
1389956	Drill Core	0.311	18.0	63.8	2.02	122.1	0.077	2	1.38	0.047	0.51	0.9	10.9	0.16	1.09	7	0.8	<0.02	5.4	3.73	<0.1
1389957	Drill Core	0.042	16.2	1.7	0.17	63.8	0.041	3	0.33	0.064	0.10	6.2	1.0	0.02	0.61	<5	0.7	0.02	1.6	0.64	<0.1
1389958	Drill Core	0.051	16.8	1.4	0.19	101.2	0.027	3	0.43	0.054	0.11	7.2	1.1	0.05	0.59	<5	0.8	0.06	2.0	0.66	<0.1
1389959	Drill Core	0.044	13.4	1.6	0.11	59.8	0.041	2	0.31	0.073	0.10	2.5	0.6	0.02	0.54	<5	0.5	0.05	1.6	0.47	<0.1
1389960	Drill Core	0.042	13.4	1.3	0.11	42.5	0.028	2	0.30	0.061	0.10	37.2	0.6	0.03	0.48	<5	0.5	0.05	1.5	0.68	<0.1
1389961	Drill Core	0.042	16.1	1.6	0.11	96.2	0.045	<1	0.34	0.076	0.09	5.4	0.7	<0.02	0.57	<5	0.6	0.12	1.6	0.50	<0.1
1389962	Drill Core	0.041	13.4	1.4	0.09	38.9	0.051	<1	0.30	0.096	0.09	0.8	0.5	<0.02	0.37	<5	0.4	0.04	1.6	0.24	<0.1
1389963	Drill Core	0.048	15.9	1.8	0.10	43.1	0.070	<1	0.32	0.105	0.09	7.5	0.5	<0.02	0.46	<5	0.7	<0.02	1.8	0.23	0.1
1389964	Drill Core	0.042	15.9	1.5	0.09	51.3	0.062	2	0.34	0.086	0.10	1.6	0.6	<0.02	0.38	<5	0.5	<0.02	1.8	0.45	0.1
1389965	Drill Core	0.039	14.6	1.6	0.08	54.7	0.054	1	0.29	0.081	0.10	0.6	0.5	<0.02	0.28	<5	0.4	0.02	1.6	0.36	<0.1
1389966	Drill Core	0.038	14.1	1.4	0.13	198.0	0.028	4	0.29	0.069	0.12	8.6	0.9	0.02	0.43	<5	0.5	<0.02	1.4	0.63	<0.1
1389967	Drill Core	0.037	16.6	1.3	0.18	249.0	0.012	4	0.40	0.056	0.14	8.2	1.2	0.04	0.49	<5	0.5	0.02	1.8	0.88	<0.1
1389968	Drill Core	0.047	17.4	1.6	0.11	77.1	0.083	1	0.32	0.103	0.10	3.0	0.6	<0.02	0.44	<5	0.6	<0.02	1.9	0.31	<0.1
1389969	Drill Core	0.043	16.2	1.3	0.16	242.9	0.031	4	0.38	0.061	0.12	3.7	1.0	0.03	0.50	<5	0.5	0.03	1.8	0.64	<0.1
1389970	Drill Core	0.036	13.5	1.4	0.13	247.6	0.041	1	0.31	0.081	0.10	3.6	0.7	<0.02	0.31	<5	0.3	<0.02	1.6	0.38	<0.1
1389971	Drill Core	0.037	13.5	1.6	0.12	88.6	0.036	1	0.37	0.074	0.11	3.0	0.7	0.03	0.39	<5	0.4	0.05	2.0	0.47	<0.1
1389972	Rock	0.010	<0.5	<0.5	9.09	11.6	<0.001	<1	<0.01	0.002	<0.01	<0.1	<0.1	<0.02	<0.02	<5	0.2	<0.02	<0.1	0.04	<0.1
1389973	Rock Pulp	0.047	5.1	29.3	0.53	118.3	0.100	4	1.17	0.078	0.10	0.9	3.6	0.07	0.37	81	1.2	0.22	4.3	0.37	<0.1
1389974	Drill Core	0.037	15.4	2.7	0.10	145.4	0.039	1	0.32	0.071	0.11	12.0	0.7	<0.02	0.47	7	0.4	0.03	1.7	0.39	<0.1
1389975	Drill Core	0.031	13.5	4.0	0.10	71.5	0.029	<1	0.28	0.057	0.08	3.4	0.6	<0.02	0.41	<5	0.5	0.03	1.6	0.33	<0.1
1389976	Drill Core	0.029	13.3	1.9	0.14	269.2	0.008	3	0.29	0.050	0.13	23.9	0.9	0.04	0.47	<5	0.5	0.07	1.3	0.67	<0.1
1389977	Drill Core	0.039	15.5	3.2	0.15	171.9	0.025	<1	0.35	0.058	0.10	2.1	1.0	0.02	0.47	<5	0.4	0.03	1.9	0.52	<0.1
1389978	Drill Core	0.037	15.4	2.2	0.14	80.9	0.025	2	0.35	0.063	0.12	24.0	0.9	0.03	0.52	<5	0.5	0.10	1.8	0.62	<0.1
1389979	Drill Core	0.040	16.8	3.8	0.11	42.0	0.037	<1	0.27	0.058	0.08	1.4	0.7	<0.02	0.46	<5	0.4	0.04	1.5	0.61	<0.1

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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004676.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1389950	Drill Core	0.10	0.85	2.8	0.4	<0.05	1.7	5.62	25.3	<0.02	9	0.4	6.5	<10	<2
1389951	Drill Core	0.10	0.51	3.9	0.2	<0.05	1.5	7.16	28.1	<0.02	3	0.8	5.5	<10	<2
1389952	Drill Core	0.14	1.53	1.7	0.4	<0.05	2.4	5.91	26.5	<0.02	7	0.2	4.3	<10	<2
1389953	Drill Core	0.14	0.80	2.2	0.4	<0.05	2.2	6.29	28.6	<0.02	8	0.2	6.2	<10	<2
1389954	Drill Core	0.13	1.20	1.9	0.5	<0.05	2.3	5.40	22.5	<0.02	14	0.2	5.8	<10	<2
1389955	Drill Core	0.11	0.84	4.0	0.3	<0.05	2.1	6.21	25.1	<0.02	6	0.4	3.6	*	<2
1389956	Drill Core	0.19	0.05	26.9	0.7	<0.05	7.2	9.54	40.6	0.04	14	1.4	31.8	<10	<2
1389957	Drill Core	0.12	0.70	3.5	1.1	<0.05	2.0	7.89	29.8	0.02	16	0.5	4.0	<10	<2
1389958	Drill Core	0.09	0.35	4.1	0.3	<0.05	1.7	9.50	32.0	<0.02	38	0.7	6.4	<10	<2
1389959	Drill Core	0.11	0.77	3.5	0.4	<0.05	2.1	6.18	23.4	<0.02	11	0.3	3.7	<10	<2
1389960	Drill Core	0.11	0.57	4.0	0.3	<0.05	1.6	6.44	23.2	<0.02	16	0.4	3.6	<10	<2
1389961	Drill Core	0.11	1.01	3.0	0.3	<0.05	2.0	6.84	27.2	<0.02	6	0.4	6.3	<10	<2
1389962	Drill Core	0.11	1.06	1.9	0.4	<0.05	2.2	5.80	23.1	<0.02	5	0.2	6.5	<10	<2
1389963	Drill Core	0.14	2.01	2.1	0.5	<0.05	2.7	7.39	27.3	<0.02	14	0.3	5.8	<10	<2
1389964	Drill Core	0.16	1.67	2.9	0.5	<0.05	2.9	7.28	28.1	<0.02	7	0.3	4.5	<10	<2
1389965	Drill Core	0.14	1.20	2.6	0.4	<0.05	2.8	6.09	24.9	<0.02	6	0.4	3.6	<10	<2
1389966	Drill Core	0.09	0.64	4.2	0.3	<0.05	1.6	6.33	24.8	<0.02	22	0.3	2.6	<10	<2
1389967	Drill Core	0.05	0.18	5.4	0.2	<0.05	0.9	6.98	29.2	<0.02	10	0.6	5.1	<10	<2
1389968	Drill Core	0.17	1.52	2.5	0.5	<0.05	3.1	8.00	31.4	<0.02	6	0.4	3.5	<10	<2
1389969	Drill Core	0.08	0.46	4.6	0.3	<0.05	1.6	7.32	29.3	<0.02	2	0.6	3.7	<10	<2
1389970	Drill Core	0.09	0.61	2.8	0.3	<0.05	1.6	5.08	22.2	<0.02	3	0.2	3.2	<10	<2
1389971	Drill Core	0.12	0.59	3.7	0.3	<0.05	2.1	6.66	23.9	<0.02	4	0.4	5.1	<10	<2
1389972	Rock	<0.02	0.03	0.2	<0.1	<0.05	<0.1	0.54	0.7	<0.02	<1	<0.1	0.4	<10	<2
1389973	Rock Pulp	0.26	0.11	4.3	2.1	<0.05	7.7	7.20	10.2	<0.02	267	0.2	7.7	85	3
1389974	Drill Core	0.10	0.77	3.6	0.3	<0.05	2.0	6.34	25.4	<0.02	3	0.3	3.2	<10	<2
1389975	Drill Core	0.10	0.59	2.8	0.2	<0.05	1.7	5.36	22.1	<0.02	5	0.2	3.7	<10	<2
1389976	Drill Core	0.06	0.18	5.1	0.2	<0.05	1.1	6.16	22.4	0.03	12	0.3	2.7	<10	<2
1389977	Drill Core	0.09	0.40	3.5	0.3	<0.05	1.4	6.64	26.4	<0.02	3	0.5	4.5	<10	<2
1389978	Drill Core	0.09	0.41	4.9	0.4	<0.05	1.5	6.98	27.3	<0.02	5	0.6	4.2	<10	<2
1389979	Drill Core	0.10	1.04	2.5	0.4	<0.05	2.0	7.30	29.6	<0.02	262	0.3	5.6	60	<2

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Project: Stewart
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS VAN11004676.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389980	Drill Core	7.71	16.10	23.21	2.65	49.4	67	0.7	1.1	327	1.33	0.4	1.5	0.8	2.7	76.8	0.80	0.08	0.17	40	0.74
1389981	Drill Core	8.02	6.36	20.74	2.95	48.8	73	0.7	1.2	392	1.34	0.5	1.1	<0.2	2.5	94.1	0.71	0.09	0.16	35	0.94
1389982	Drill Core	8.41	38.46	17.79	2.56	33.1	61	0.7	1.0	253	1.09	0.5	1.6	<0.2	2.8	76.4	0.58	0.04	0.17	30	0.60
1389983	Drill Core	8.00	23.36	35.75	11.73	62.4	192	0.8	1.5	425	1.40	2.3	1.4	0.8	3.0	115.4	0.80	0.25	0.20	27	1.05
1389984	Drill Core	7.96	12.20	14.50	3.72	34.5	72	0.6	1.0	519	1.19	0.7	2.8	0.5	4.2	214.5	0.47	0.13	0.08	23	1.45
1389985	Drill Core	7.95	5.43	18.51	6.25	44.5	126	0.7	1.0	483	1.15	3.1	4.4	0.9	6.1	163.4	0.75	0.24	0.15	16	1.37
1389986	Drill Core	9.07	20.50	27.90	10.82	63.2	139	0.6	1.5	688	1.46	3.1	1.7	2.2	3.3	414.8	0.86	0.28	0.33	19	2.16

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CERTIFICATE OF ANALYSIS VAN11004676.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389980	Drill Core	0.047	13.5	2.4	0.08	41.3	0.060	<1	0.27	0.087	0.08	7.6	0.5	<0.02	0.44	<5	0.4	0.04	1.6	0.23	<0.1
1389981	Drill Core	0.041	14.4	3.7	0.11	201.7	0.039	<1	0.27	0.074	0.08	1.8	0.7	<0.02	0.43	<5	0.3	<0.02	1.6	0.43	<0.1
1389982	Drill Core	0.040	12.9	2.5	0.08	42.6	0.053	<1	0.24	0.100	0.09	3.2	0.4	<0.02	0.34	<5	0.4	0.05	1.3	0.18	<0.1
1389983	Drill Core	0.037	15.4	3.9	0.12	109.4	0.034	<1	0.26	0.058	0.08	4.1	0.7	0.02	0.61	<5	0.7	0.03	1.4	0.53	<0.1
1389984	Drill Core	0.036	13.4	1.8	0.12	79.5	0.023	1	0.30	0.055	0.12	1.4	0.7	0.03	0.37	<5	0.4	0.04	1.7	0.61	<0.1
1389985	Drill Core	0.029	12.9	3.6	0.10	140.3	0.012	<1	0.28	0.041	0.11	4.2	0.7	0.03	0.42	<5	0.3	0.03	1.4	0.67	<0.1
1389986	Drill Core	0.043	13.8	1.2	0.17	226.3	0.007	2	0.33	0.047	0.15	13.1	1.0	0.04	0.56	<5	0.5	0.05	1.4	0.97	<0.1

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Project: Stewart
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CERTIFICATE OF ANALYSIS VAN11004676.2

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1389980	Drill Core	0.13	1.35	2.1	0.5	<0.05	2.4	5.81	23.2	<0.02	6	0.3	4.1	<10	<2
1389981	Drill Core	0.09	0.69	2.3	0.3	<0.05	1.6	5.80	24.8	<0.02	3	0.3	3.7	<10	<2
1389982	Drill Core	0.11	1.23	2.1	0.5	<0.05	1.9	4.99	21.3	<0.02	20	0.2	3.3	<10	<2
1389983	Drill Core	0.07	1.03	3.1	0.6	<0.05	1.6	6.77	26.2	<0.02	10	0.5	3.3	<10	<2
1389984	Drill Core	0.07	0.45	4.1	0.2	<0.05	1.6	7.31	23.4	<0.02	2	0.5	3.4	<10	<2
1389985	Drill Core	0.07	0.29	4.2	0.2	<0.05	1.7	6.04	22.2	<0.02	3	0.5	3.2	<10	<2
1389986	Drill Core	0.03	0.21	6.5	0.2	<0.05	0.8	8.28	24.8	<0.02	9	0.7	3.3	<10	<2

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QUALITY CONTROL REPORT VAN11004676.2

	Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	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																					
1389966	Drill Core	8.32	25.72	21.24	3.83	85.1	83	0.6	1.2	560	1.33	5.0	2.0	3.9	3.4	225.3	1.62	0.53	0.25	28	1.39
REP 1389966	QC		25.13	20.87	3.93	82.8	78	0.7	1.3	532	1.33	5.0	2.1	2.1	3.4	220.8	1.57	0.53	0.30	28	1.38
1389972	Rock	0.27	0.05	0.74	1.24	9.5	4	1.9	0.6	194	0.41	0.2	0.5	<0.2	<0.1	39.0	0.04	<0.02	<0.02	<2	16.15
REP 1389972	QC		0.07	0.84	1.57	10.6	2	1.2	0.5	205	0.43	<0.1	0.5	<0.2	<0.1	41.6	0.05	<0.02	<0.02	<2	17.04
Core Reject Duplicates																					
1389979	Drill Core	7.95	240.8	21.48	2.94	42.6	73	0.7	1.2	458	1.25	2.8	1.8	4.9	3.4	90.7	0.99	0.16	0.26	33	1.02
DUP 1389979	QC		220.5	22.36	2.75	41.3	84	0.7	1.2	430	1.28	3.1	1.6	4.9	3.3	91.0	0.92	0.16	0.25	34	0.99
Reference Materials																					
STD DS8	Standard		12.24	109.4	113.8	300.7	1682	35.9	7.0	595	2.38	25.0	2.7	105.2	6.7	66.7	2.36	5.00	6.91	40	0.70
STD DS8	Standard		10.99	117.4	123.3	318.2	1828	39.7	7.4	578	2.32	24.9	2.6	112.4	6.3	53.0	2.29	4.70	6.13	37	0.65
STD DS8 Expected			13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
BLK	Blank		<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
BLK	Blank		<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
Prep Wash																					
G1	Prep Blank	<0.01	0.21	2.73	2.95	47.7	11	2.7	4.0	542	1.93	0.2	1.5	2.2	4.8	50.8	0.04	<0.02	0.05	33	0.57
G1	Prep Blank	<0.01	0.21	2.50	4.05	44.4	13	2.2	3.7	516	1.92	0.7	1.4	1.1	4.8	48.8	0.02	<0.02	0.04	33	0.39

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

QUALITY CONTROL REPORT VAN11004676.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
Pulp Duplicates																					
1389966	Drill Core	0.038	14.1	1.4	0.13	198.0	0.028	4	0.29	0.069	0.12	8.6	0.9	0.02	0.43	<5	0.5	<0.02	1.4	0.63	<0.1
REP 1389966	QC	0.038	14.3	1.3	0.13	203.9	0.028	3	0.30	0.069	0.12	8.4	0.8	0.02	0.42	<5	0.5	0.04	1.4	0.62	<0.1
1389972	Rock	0.010	<0.5	<0.5	9.09	11.6	<0.001	<1	<0.01	0.002	<0.01	<0.1	<0.1	<0.02	<0.02	<5	0.2	<0.02	<0.1	0.04	<0.1
REP 1389972	QC	0.012	<0.5	0.5	9.58	12.6	<0.001	<1	<0.01	0.002	<0.01	<0.1	<0.1	<0.02	<0.02	<5	0.2	<0.02	<0.1	0.04	<0.1
Core Reject Duplicates																					
1389979	Drill Core	0.040	16.8	3.8	0.11	42.0	0.037	<1	0.27	0.058	0.08	1.4	0.7	<0.02	0.46	<5	0.4	0.04	1.5	0.61	<0.1
DUP 1389979	QC	0.041	16.6	4.9	0.11	42.8	0.040	<1	0.27	0.063	0.08	2.9	0.7	<0.02	0.49	<5	0.4	0.05	1.5	0.61	<0.1
Reference Materials																					
STD DS8	Standard	0.076	14.9	109.9	0.60	256.7	0.110	3	0.95	0.102	0.42	2.8	2.1	5.05	0.15	182	5.0	4.66	4.4	2.34	<0.1
STD DS8	Standard	0.078	12.1	117.5	0.57	214.1	0.093	2	0.82	0.077	0.39	2.8	2.1	5.21	0.16	219	4.9	4.69	4.5	2.42	0.1
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
Prep Wash																					
G1	Prep Blank	0.071	9.8	5.4	0.48	175.2	0.093	1	0.86	0.071	0.44	<0.1	1.9	0.30	<0.02	5	0.1	<0.02	4.5	2.68	<0.1
G1	Prep Blank	0.067	9.9	5.9	0.41	144.3	0.088	1	0.83	0.079	0.44	<0.1	1.8	0.28	<0.02	<5	<0.1	0.04	4.4	2.66	0.2

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 09, 2011

QUALITY CONTROL REPORT VAN11004676.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates															
1389966	Drill Core	0.09	0.64	4.2	0.3	<0.05	1.6	6.33	24.8	<0.02	22	0.3	2.6	<10	<2
REP 1389966	QC	0.08	0.60	4.1	0.3	<0.05	1.6	6.23	24.4	0.02	22	0.5	3.0	<10	<2
1389972	Rock	<0.02	0.03	0.2	<0.1	<0.05	<0.1	0.54	0.7	<0.02	<1	<0.1	0.4	<10	<2
REP 1389972	QC	<0.02	0.03	0.2	<0.1	<0.05	<0.1	0.55	0.8	<0.02	1	<0.1	0.5	<10	<2
Core Reject Duplicates															
1389979	Drill Core	0.10	1.04	2.5	0.4	<0.05	2.0	7.30	29.6	<0.02	262	0.3	5.6	60	<2
DUP 1389979	QC	0.09	1.09	2.7	0.4	<0.05	2.0	7.12	29.0	<0.02	214	0.4	5.2	53	<2
Reference Materials															
STD DS8	Standard	0.08	1.30	36.6	6.9	<0.05	2.0	5.74	26.5	2.28	47	5.2	24.5	97	304
STD DS8	Standard	0.08	1.15	39.0	6.6	<0.05	1.8	4.67	21.5	2.24	64	5.0	25.8	113	340
STD DS8 Expected		0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
Prep Wash															
G1	Prep Blank	0.06	0.29	41.1	0.4	<0.05	1.0	4.03	17.2	<0.02	1	0.3	27.7	<10	<2
G1	Prep Blank	0.06	0.28	38.6	0.4	<0.05	0.9	3.95	17.0	<0.02	<1	0.4	26.7	<10	<2

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Submitted By: Rob Pease
Receiving Lab: Canada-Vancouver
Received: September 20, 2011
Report Date: October 16, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN11004872.1

CLIENT JOB INFORMATION

Project:	Stewart
Shipment ID:	Stewy 9
P.O. Number	
Number of Samples:	26

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-500	25	Crush, split and pulverize 500 g rock to 200 mesh			VAN
1F06	26	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

SAMPLE DISPOSAL

DISP-PLP	Dispose of Pulp After 90 days
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.

ADDITIONAL COMMENTS

Invoice To: Emgold Mining Corp.
PO Box 1836
Grass Valley California 95945
USA

CC: Perry Grunenbery

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.

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: October 16, 2011

CERTIFICATE OF ANALYSIS VAN11004872.1

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
45277	Drill Core	4.17	7.48	60.48	6.61	216.1	189	1.3	2.1	530	2.19	0.4	2.2	2.4	3.8	84.8	4.12	0.11	0.41	66	0.96
45278	Drill Core	4.12	39.84	34.43	3.17	58.9	99	1.0	1.7	407	1.52	0.3	2.9	0.2	3.5	76.8	1.02	0.13	0.24	35	0.77
45279	Drill Core	8.19	67.76	49.73	6.65	103.0	339	0.7	1.7	563	1.53	8.5	2.8	6.5	4.0	148.3	2.02	0.36	0.40	29	1.25
45280	Drill Core	7.93	10.05	14.80	2.27	48.6	61	0.6	0.9	334	1.01	0.2	2.8	<0.2	4.6	64.6	0.86	0.03	0.14	32	0.68
45281	Drill Core	7.45	9.54	16.05	3.53	64.3	66	0.5	1.1	479	1.25	1.0	2.6	0.3	4.8	205.5	1.06	0.18	0.06	38	1.07
45282	Drill Core	4.29	187.1	20.02	7.48	51.5	200	0.7	1.4	801	1.33	6.6	3.1	7.6	4.4	511.0	0.82	0.81	0.54	19	1.93
45283	Drill Core	4.25	38.55	15.37	2.99	39.9	51	0.7	1.0	540	1.08	0.4	2.7	<0.2	4.9	110.7	0.62	0.16	0.10	34	0.89
45284	Drill Core	7.27	23.34	12.28	2.96	30.3	60	0.5	1.1	619	1.11	1.1	3.1	0.3	5.2	189.7	0.33	0.16	0.06	26	1.17
45285	Drill Core	7.73	37.01	9.80	3.91	35.5	49	0.7	0.8	559	1.00	0.7	5.9	<0.2	15.1	145.5	0.50	0.12	0.06	27	0.99
45286	Drill Core	7.02	10.69	23.14	2.70	71.3	73	0.6	1.2	383	1.27	0.2	1.4	0.5	3.8	87.0	1.35	0.06	0.16	37	0.79
45287	Drill Core	8.95	81.18	23.57	7.16	53.5	161	0.6	1.7	647	1.32	4.2	1.7	4.3	4.1	274.9	0.78	0.44	0.33	22	1.89
45288	Drill Core	4.28	35.95	28.17	10.10	247.7	207	0.5	1.6	850	1.43	7.8	1.7	6.9	3.8	448.2	4.89	0.77	0.32	11	2.31
45289	Drill Core	4.11	26.79	14.12	4.69	23.3	87	0.7	1.4	843	1.32	1.7	1.7	<0.2	4.1	251.4	0.21	0.29	0.08	32	1.90
45290	Drill Core	8.01	6.29	18.36	4.83	33.1	93	0.9	1.7	820	1.54	5.3	2.2	<0.2	4.3	226.9	0.34	0.18	0.11	46	1.68
45291	Drill Core	8.20	18.30	12.62	6.45	22.1	77	0.7	1.3	637	1.14	2.5	3.1	0.3	5.4	304.0	0.15	0.14	0.08	25	1.61
45292	Drill Core	7.70	26.73	15.82	2.99	19.6	57	0.7	1.0	315	1.03	<0.1	3.4	<0.2	6.3	97.9	0.32	0.04	0.14	34	0.71
45293	Drill Core	8.42	20.83	24.04	6.92	20.7	109	0.8	1.4	667	1.24	2.2	2.7	0.6	5.1	338.7	0.19	0.22	0.32	20	1.97
45294	Rock	0.26	0.04	0.77	0.62	5.2	<2	1.1	1.0	228	0.46	0.2	0.5	1.8	<0.1	35.6	0.06	0.02	0.04	<2	22.79
45295	Rock Pulp	0.08	381.2	3505	23.44	55.5	1912	30.9	8.6	455	3.31	14.0	0.3	915.4	1.1	35.1	0.61	3.54	0.61	53	0.67
45296	Drill Core	7.98	78.04	31.73	3.91	27.8	99	0.6	1.5	495	1.37	2.7	1.7	0.9	3.7	223.9	0.34	0.16	0.43	29	1.30
45297	Drill Core	8.27	71.62	33.30	3.19	111.2	75	0.6	1.3	362	1.33	<0.1	2.5	<0.2	4.0	112.5	2.44	0.06	0.36	35	0.76
45298	Drill Core	8.41	20.35	25.82	16.37	78.3	188	0.8	1.3	457	1.30	4.4	2.9	<0.2	4.5	223.5	1.01	0.28	6.26	20	1.29
45299	Drill Core	8.40	59.81	25.26	12.37	31.5	158	0.5	1.1	361	1.03	7.1	6.3	1.2	8.1	207.8	0.27	0.39	0.49	11	1.06
45300	Drill Core	7.75	41.41	23.83	4.08	23.1	74	0.7	1.6	435	1.36	3.9	3.1	<0.2	4.7	230.4	0.31	0.18	0.34	22	1.12
039279	Drill Core	6.99	30.21	14.83	8.95	24.2	126	0.5	1.1	459	1.23	1.3	4.0	4.8	6.0	204.2	0.18	0.19	0.36	25	1.11
039280	Drill Core	7.62	86.33	46.23	16.25	27.5	1777	1.0	2.7	468	1.69	23.3	2.5	26.3	4.7	290.3	0.35	0.62	14.44	14	1.42

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Client: **Emgold Mining Corp.**
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Project: Stewart
Report Date: October 16, 2011

CERTIFICATE OF ANALYSIS VAN11004872.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
45277	Drill Core	0.054	17.1	3.3	0.11	37.2	0.093	1	0.33	0.075	0.08	14.1	0.8	<0.02	0.92	<5	1.2	0.05	2.3	0.23	0.2
45278	Drill Core	0.033	11.5	2.2	0.09	65.5	0.053	<1	0.29	0.076	0.10	7.0	0.5	<0.02	0.65	<5	0.9	0.04	2.0	0.25	0.2
45279	Drill Core	0.043	10.2	1.9	0.14	94.6	0.031	1	0.42	0.051	0.13	13.7	0.7	0.06	0.65	<5	0.9	0.05	2.1	0.67	<0.1
45280	Drill Core	0.040	11.6	1.6	0.05	40.1	0.050	<1	0.22	0.062	0.07	3.5	0.4	<0.02	0.30	<5	0.4	0.06	1.5	0.11	0.2
45281	Drill Core	0.047	16.7	1.6	0.09	110.4	0.057	2	0.29	0.084	0.12	0.4	0.6	<0.02	0.38	<5	0.7	0.06	1.9	0.38	<0.1
45282	Drill Core	0.041	14.1	0.9	0.15	65.8	0.010	5	0.30	0.044	0.15	0.9	1.0	0.08	0.42	<5	0.6	0.11	1.6	0.92	<0.1
45283	Drill Core	0.041	14.5	1.5	0.10	70.8	0.056	<1	0.33	0.083	0.10	1.1	0.6	<0.02	0.27	<5	0.4	<0.02	2.2	0.27	0.2
45284	Drill Core	0.038	13.9	1.5	0.11	61.9	0.035	<1	0.30	0.051	0.11	0.1	0.7	<0.02	0.30	<5	0.5	0.07	2.2	0.36	0.1
45285	Drill Core	0.017	10.8	1.5	0.08	139.8	0.026	<1	0.31	0.057	0.15	0.4	0.6	0.03	0.25	<5	0.3	0.03	2.0	0.27	0.1
45286	Drill Core	0.043	14.2	1.3	0.10	74.1	0.054	<1	0.29	0.070	0.07	11.1	0.6	<0.02	0.40	6	0.4	0.06	1.9	0.30	0.1
45287	Drill Core	0.049	13.7	1.4	0.11	189.5	0.017	1	0.41	0.069	0.16	6.6	1.1	0.06	0.50	<5	0.6	<0.02	1.9	0.82	0.1
45288	Drill Core	0.044	13.3	0.7	0.16	120.1	0.002	3	0.38	0.047	0.16	29.6	1.4	0.07	0.50	<5	0.6	0.07	1.5	0.81	<0.1
45289	Drill Core	0.040	15.5	1.6	0.16	81.9	0.027	<1	0.47	0.067	0.14	0.1	1.0	0.03	0.37	<5	0.4	0.04	2.5	0.66	<0.1
45290	Drill Core	0.049	16.0	1.8	0.14	74.1	0.048	<1	0.39	0.064	0.10	0.6	1.0	<0.02	0.43	6	0.5	0.03	2.4	0.50	0.1
45291	Drill Core	0.034	13.3	1.3	0.12	132.9	0.023	1	0.38	0.063	0.15	0.2	0.9	0.03	0.33	<5	0.4	0.06	2.0	0.52	<0.1
45292	Drill Core	0.038	14.0	1.5	0.06	48.7	0.055	<1	0.26	0.065	0.08	2.2	0.5	<0.02	0.31	<5	0.3	<0.02	1.5	0.15	0.1
45293	Drill Core	0.043	15.2	1.1	0.16	79.0	0.021	2	0.39	0.060	0.18	17.0	0.9	0.05	0.41	<5	0.5	0.02	2.0	0.88	<0.1
45294	Rock	0.017	<0.5	<0.5	12.31	10.1	<0.001	<1	0.03	0.003	<0.01	<0.1	0.1	<0.02	<0.02	<5	0.2	<0.02	<0.1	0.07	<0.1
45295	Rock Pulp	0.054	5.1	32.4	0.59	130.6	0.103	6	1.28	0.089	0.11	0.9	3.7	0.10	0.41	91	1.1	0.17	4.6	0.41	<0.1
45296	Drill Core	0.039	14.8	1.2	0.18	56.5	0.027	1	0.42	0.067	0.11	25.6	0.8	0.04	0.51	<5	0.5	<0.02	2.4	0.58	<0.1
45297	Drill Core	0.038	10.2	1.4	0.10	41.5	0.046	<1	0.28	0.070	0.09	85.0	0.2	0.03	0.53	<5	0.5	0.02	1.7	0.26	0.1
45298	Drill Core	0.028	13.4	1.5	0.11	76.5	0.016	1	0.38	0.058	0.15	5.4	0.6	0.04	0.49	<5	0.4	0.21	1.9	0.59	<0.1
45299	Drill Core	0.022	10.6	1.1	0.08	61.0	0.005	<1	0.27	0.041	0.14	7.5	0.5	0.04	0.39	<5	0.4	<0.02	1.3	0.60	<0.1
45300	Drill Core	0.026	12.1	1.5	0.11	92.6	0.023	<1	0.34	0.065	0.13	1.0	0.6	0.03	0.48	<5	0.5	<0.02	1.8	0.45	<0.1
039279	Drill Core	0.026	12.1	1.2	0.12	176.7	0.021	<1	0.30	0.061	0.09	0.6	0.7	0.02	0.32	<5	0.3	<0.02	1.8	0.47	<0.1
039280	Drill Core	0.039	13.9	1.3	0.16	85.9	0.007	2	0.32	0.055	0.20	2.4	1.0	0.08	0.80	<5	0.8	0.88	1.4	1.38	<0.1

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: October 16, 2011

CERTIFICATE OF ANALYSIS VAN11004872.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
45277	Drill Core	0.19	2.68	2.5	0.7	<0.05	3.8	9.13	33.2	0.03	4	0.4	5.1	<10	<2
45278	Drill Core	0.15	1.59	2.9	0.5	<0.05	2.5	5.19	22.3	<0.02	37	0.4	5.3	<10	<2
45279	Drill Core	0.12	0.69	5.7	0.4	<0.05	2.1	6.92	22.6	<0.02	25	0.4	6.4	<10	<2
45280	Drill Core	0.16	1.68	2.1	0.4	<0.05	2.7	4.74	20.6	<0.02	10	0.1	5.2	<10	<2
45281	Drill Core	0.16	1.56	3.5	0.5	<0.05	3.0	7.47	29.5	<0.02	12	0.2	4.0	<10	<2
45282	Drill Core	0.05	0.28	6.5	0.3	<0.05	1.2	7.05	27.2	<0.02	86	0.7	2.5	20	<2
45283	Drill Core	0.19	1.53	3.0	0.5	<0.05	2.9	5.92	25.9	<0.02	15	0.3	3.8	<10	<2
45284	Drill Core	0.13	0.93	3.8	0.4	<0.05	2.1	6.30	25.1	0.02	37	0.3	3.2	<10	<2
45285	Drill Core	0.21	0.65	4.8	0.4	<0.05	3.4	4.05	18.4	<0.02	11	0.4	2.0	<10	<2
45286	Drill Core	0.16	1.39	2.2	0.6	<0.05	2.7	5.85	25.8	0.02	3	0.4	3.8	<10	<2
45287	Drill Core	0.07	0.31	6.0	0.3	<0.05	1.6	8.35	28.0	<0.02	35	0.9	3.1	<10	<2
45288	Drill Core	0.05	0.06	5.9	0.1	<0.05	0.8	7.43	26.8	0.02	18	0.8	2.9	<10	<2
45289	Drill Core	0.12	0.35	4.7	0.3	<0.05	2.1	8.63	30.0	<0.02	12	0.6	4.8	<10	<2
45290	Drill Core	0.16	0.98	3.4	0.5	<0.05	2.9	9.91	33.6	<0.02	5	0.5	5.1	<10	<2
45291	Drill Core	0.08	0.36	5.0	0.3	<0.05	2.0	7.18	24.8	<0.02	6	0.3	4.3	<10	<2
45292	Drill Core	0.16	1.73	2.4	0.5	<0.05	3.0	5.37	24.9	<0.02	13	0.2	4.0	<10	<2
45293	Drill Core	0.11	0.41	7.6	0.3	<0.05	1.7	8.09	28.5	<0.02	6	0.5	4.2	<10	<2
45294	Rock	<0.02	0.03	0.3	<0.1	<0.05	<0.1	0.59	0.7	<0.02	<1	<0.1	0.7	<10	<2
45295	Rock Pulp	0.28	0.14	4.5	2.1	<0.05	8.0	7.47	11.4	0.04	317	0.2	9.6	<10	2
45296	Drill Core	0.07	0.47	4.6	0.3	<0.05	1.4	6.96	28.4	<0.02	33	0.7	6.9	<10	<2
45297	Drill Core	0.14	1.44	3.2	0.5	<0.05	2.2	4.99	20.4	<0.02	16	0.3	3.7	<10	<2
45298	Drill Core	0.05	0.33	5.8	0.3	<0.05	1.4	6.13	25.0	<0.02	5	0.6	5.1	<10	<2
45299	Drill Core	0.08	0.20	5.5	0.1	<0.05	1.5	4.53	19.2	<0.02	21	0.4	3.2	<10	<2
45300	Drill Core	0.09	0.52	4.9	0.2	<0.05	1.5	5.54	22.1	<0.02	19	0.4	4.0	<10	<2
039279	Drill Core	0.08	0.47	3.2	0.2	<0.05	1.5	5.47	22.4	<0.02	10	0.5	4.2	<10	<2
039280	Drill Core	0.05	0.20	9.3	0.2	<0.05	1.1	6.21	26.2	<0.02	32	0.5	2.2	<10	<2

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PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: October 16, 2011

QUALITY CONTROL REPORT VAN11004872.1

	Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	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																					
45288	Drill Core	4.28	35.95	28.17	10.10	247.7	207	0.5	1.6	850	1.43	7.8	1.7	6.9	3.8	448.2	4.89	0.77	0.32	11	2.31
REP 45288	QC		35.71	28.53	10.03	241.6	216	0.8	1.7	818	1.41	8.1	1.7	8.7	3.7	464.3	4.80	0.76	0.32	11	2.30
039280	Drill Core	7.62	86.33	46.23	16.25	27.5	1777	1.0	2.7	468	1.69	23.3	2.5	26.3	4.7	290.3	0.35	0.62	14.44	14	1.42
REP 039280	QC		89.89	47.34	16.79	27.0	1832	0.9	2.8	487	1.75	23.9	2.5	28.0	4.9	296.0	0.38	0.65	15.26	14	1.46
Core Reject Duplicates																					
45293	Drill Core	8.42	20.83	24.04	6.92	20.7	109	0.8	1.4	667	1.24	2.2	2.7	0.6	5.1	338.7	0.19	0.22	0.32	20	1.97
DUP 45293	QC		22.95	25.07	6.89	22.0	101	0.7	1.3	660	1.21	1.4	2.5	<0.2	5.0	334.1	0.22	0.20	0.34	21	1.90
Reference Materials																					
STD DS8	Standard		12.67	106.5	123.4	328.0	1735	37.1	7.3	639	2.54	27.0	2.9	113.9	7.3	65.3	2.50	5.98	7.01	43	0.73
STD DS8	Standard		13.62	108.0	126.6	332.4	1927	39.2	7.9	660	2.62	26.4	2.7	115.7	6.8	69.5	2.57	5.58	6.60	44	0.78
STD DS8 Expected			13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
BLK	Blank		<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
BLK	Blank		<0.01	0.68	<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
Prep Wash																					
G1	Prep Blank	<0.01	0.19	2.94	3.26	45.1	17	2.7	3.9	571	2.05	<0.1	1.9	<0.2	6.7	68.4	0.01	0.03	0.05	38	0.54
G1	Prep Blank	<0.01	0.16	2.26	2.90	45.7	9	2.2	3.9	575	2.02	0.4	1.7	<0.2	5.8	60.5	0.01	<0.02	0.06	38	0.46

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Client: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: October 16, 2011

QUALITY CONTROL REPORT VAN11004872.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
Pulp Duplicates																					
45288	Drill Core	0.044	13.3	0.7	0.16	120.1	0.002	3	0.38	0.047	0.16	29.6	1.4	0.07	0.50	<5	0.6	0.07	1.5	0.81	<0.1
REP 45288	QC	0.044	12.8	0.6	0.15	122.4	0.002	4	0.39	0.046	0.15	29.0	1.3	0.06	0.49	9	0.8	0.11	1.6	0.84	<0.1
039280	Drill Core	0.039	13.9	1.3	0.16	85.9	0.007	2	0.32	0.055	0.20	2.4	1.0	0.08	0.80	<5	0.8	0.88	1.4	1.38	<0.1
REP 039280	QC	0.040	14.5	1.5	0.17	90.0	0.007	2	0.34	0.057	0.21	2.4	1.0	0.08	0.82	<5	0.7	0.89	1.5	1.45	<0.1
Core Reject Duplicates																					
45293	Drill Core	0.043	15.2	1.1	0.16	79.0	0.021	2	0.39	0.060	0.18	17.0	0.9	0.05	0.41	<5	0.5	0.02	2.0	0.88	<0.1
DUP 45293	QC	0.043	14.9	0.8	0.15	73.9	0.022	1	0.37	0.057	0.17	14.2	0.9	0.05	0.41	<5	0.5	0.06	2.0	0.83	<0.1
Reference Materials																					
STD DS8	Standard	0.084	16.4	117.5	0.61	294.9	0.108	2	0.95	0.098	0.42	2.9	2.3	5.51	0.16	193	5.4	4.97	4.9	2.55	0.1
STD DS8	Standard	0.082	15.7	128.3	0.65	301.2	0.116	2	1.01	0.098	0.44	3.5	2.1	5.89	0.17	236	5.7	5.49	5.2	2.83	<0.1
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
Prep Wash																					
G1	Prep Blank	0.086	14.0	6.4	0.50	175.2	0.115	<1	0.97	0.098	0.49	0.3	2.1	0.31	<0.02	<5	0.2	0.03	4.8	2.88	0.1
G1	Prep Blank	0.081	13.0	6.0	0.49	163.3	0.104	<1	0.87	0.079	0.46	<0.1	2.2	0.29	<0.02	<5	<0.1	0.04	4.8	2.85	0.1

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QUALITY CONTROL REPORT VAN11004872.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates															
45288	Drill Core	0.05	0.06	5.9	0.1	<0.05	0.8	7.43	26.8	0.02	18	0.8	2.9	<10	<2
REP 45288	QC	0.02	0.06	6.0	0.2	<0.05	0.8	7.51	26.4	0.03	19	0.6	2.7	<10	<2
039280	Drill Core	0.05	0.20	9.3	0.2	<0.05	1.1	6.21	26.2	<0.02	32	0.5	2.2	<10	<2
REP 039280	QC	0.05	0.18	9.8	0.2	<0.05	1.2	6.34	27.4	<0.02	53	0.6	2.2	<10	<2
Core Reject Duplicates															
45293	Drill Core	0.11	0.41	7.6	0.3	<0.05	1.7	8.09	28.5	<0.02	6	0.5	4.2	<10	<2
DUP 45293	QC	0.08	0.46	7.2	0.3	<0.05	1.6	7.75	27.2	<0.02	7	0.5	3.9	<10	<2
Reference Materials															
STD DS8	Standard	0.09	1.47	40.4	7.2	<0.05	2.3	6.19	30.0	2.34	57	5.3	26.4	107	356
STD DS8	Standard	0.11	1.66	44.0	6.8	<0.05	2.5	6.72	32.4	2.36	61	5.8	27.5	115	378
STD DS8 Expected		0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
Prep Wash															
G1	Prep Blank	0.08	0.53	43.7	0.6	<0.05	1.3	5.72	25.5	<0.02	<1	0.1	30.3	<10	<2
G1	Prep Blank	0.08	0.51	40.2	0.5	<0.05	1.4	5.05	23.5	0.02	<1	0.4	28.7	<10	<2

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Client: **Emgold Mining Corp.**
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Submitted By: Rob Pease
Receiving Lab: Canada-Vancouver
Received: September 20, 2011
Report Date: November 08, 2011
Page: 1 of 9

CERTIFICATE OF ANALYSIS VAN11004871.1

CLIENT JOB INFORMATION

Project: Stewart
Shipment ID: Stewy 9
P.O. Number
Number of Samples: 214

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-500	205	Crush, split and pulverize 500 g rock to 200 mesh			VAN
1F06	214	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
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.

ADDITIONAL COMMENTS

Invoice To: Emgold Mining Corp.
PO Box 1836
Grass Valley California 95945
USA

CC: Perry Grunenbery

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.

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Report Date: November 08, 2011

CERTIFICATE OF ANALYSIS VAN11004871.1

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1389987	Drill Core	5.16	2.03	14.91	3.74	55.0	57	1.2	1.4	286	1.24	1.5	2.8	<0.2	3.8	64.2	0.80	0.11	0.07	34	0.42
1389988	Drill Core	6.12	20.63	27.64	2.95	143.6	71	1.1	1.4	354	1.33	1.3	2.6	0.5	5.0	67.4	2.64	0.12	0.19	30	0.49
1389989	Drill Core	7.91	8.11	25.11	4.62	61.8	158	1.1	1.5	499	1.60	5.0	2.4	3.7	5.0	93.4	0.98	0.64	9.65	37	0.76
1389990	Drill Core	8.52	14.39	23.96	4.26	67.2	130	1.0	1.7	695	1.70	5.1	2.4	1.2	4.7	199.9	0.91	0.43	0.18	33	1.41
1389991	Drill Core	7.88	62.05	24.61	2.57	57.7	74	1.0	1.4	565	1.48	1.4	2.8	<0.2	4.3	55.1	0.92	0.09	0.20	96	0.79
1389992	Drill Core	8.33	14.60	19.38	2.44	32.6	57	0.9	0.9	359	1.41	1.0	2.6	<0.2	4.6	67.9	0.49	0.05	0.08	40	0.60
1389993	Drill Core	7.19	62.11	18.54	3.28	60.9	92	1.0	1.2	352	1.26	2.1	2.2	1.9	3.8	114.8	1.06	0.24	0.18	31	0.75
1389994	Drill Core	3.37	9.23	36.40	3.91	52.0	50	13.8	19.7	800	3.97	1.4	0.7	0.6	3.0	309.1	0.10	0.37	0.12	108	3.49
1389995	Drill Core	6.32	52.58	45.64	12.80	218.8	381	1.1	2.2	806	1.69	11.0	2.3	5.2	4.2	298.9	3.73	0.64	0.49	13	1.72
1389996	Drill Core	8.82	33.12	26.84	4.61	55.5	491	0.9	1.4	547	1.34	2.1	3.5	1.2	5.7	165.0	0.79	0.98	0.18	30	1.15
1389997	Drill Core	8.88	33.43	22.10	5.28	66.2	116	0.9	1.1	469	1.21	2.4	7.0	1.5	9.2	151.5	1.04	0.51	2.99	29	0.90
1389998	Drill Core	8.41	19.46	22.66	6.92	70.0	219	0.7	1.0	572	1.24	7.3	11.3	1.3	10.9	188.3	1.18	1.18	1.46	25	1.10
1389999	Drill Core	7.61	49.87	49.36	6.49	189.6	249	0.7	1.5	762	1.65	14.8	7.6	11.2	7.1	289.4	3.58	2.08	0.49	55	1.64
1390000	Drill Core	8.60	31.49	56.21	3.57	77.2	152	1.0	1.3	466	1.58	2.7	3.0	0.5	5.3	104.3	1.27	0.58	0.25	46	0.96
1390001	Drill Core	7.69	181.7	27.93	2.73	55.5	94	1.0	1.2	434	1.43	0.4	2.2	<0.2	4.6	82.5	0.93	0.14	0.16	40	0.88
1390002	Drill Core	8.25	16.33	27.16	2.67	31.5	73	0.8	1.2	297	1.39	0.3	1.6	<0.2	3.4	80.8	0.40	0.05	0.13	33	0.66
1390003	Drill Core	8.23	7.55	21.92	3.02	22.5	96	0.8	1.4	486	1.57	1.3	1.5	2.4	3.5	158.3	0.24	0.19	0.36	42	1.17
1390004	Drill Core	8.12	38.34	37.98	3.82	230.1	112	0.8	1.9	563	1.97	3.7	1.7	2.4	3.8	176.1	4.82	0.41	0.46	45	1.28
1390005	Drill Core	8.69	35.80	34.10	12.46	161.4	402	1.2	1.9	682	1.78	16.9	3.4	13.6	4.8	315.3	2.87	2.00	0.81	26	1.82
1390006	Drill Core	7.98	16.90	17.07	3.72	22.6	68	0.7	1.5	582	1.58	2.0	5.4	3.2	6.4	236.9	0.21	0.35	0.12	25	1.66
1390007	Drill Core	8.76	10.17	15.47	3.98	28.0	99	0.9	1.7	584	1.67	1.7	3.7	2.4	6.0	131.6	0.19	0.34	0.16	36	1.41
1390008	Drill Core	7.58	15.05	25.03	2.67	50.0	79	0.8	1.3	314	1.26	1.3	2.6	0.7	4.8	98.6	0.98	0.08	0.15	34	0.69
1390009	Rock	0.37	<0.01	0.67	0.74	6.2	<2	2.4	0.7	243	0.46	0.1	0.4	<0.2	0.1	35.6	0.04	<0.02	<0.02	<2	21.40
1390010	Rock Pulp	0.08	1089	9086	42.34	162.0	4012	37.3	19.9	560	4.52	34.1	0.5	625.4	1.3	44.5	1.48	5.86	1.34	109	1.01
1390011	Drill Core	8.29	77.39	31.30	5.96	38.5	227	0.8	1.4	301	1.40	2.7	2.2	20.5	3.8	74.2	0.70	0.40	0.29	33	0.63
1390012	Drill Core	7.36	0.80	9.99	2.02	19.8	50	0.6	0.9	279	1.16	<0.1	1.5	9.3	3.0	102.4	0.24	0.05	0.04	33	0.73
1390013	Drill Core	8.49	27.48	30.86	2.77	28.7	94	0.9	1.3	325	1.41	10.7	1.8	7.8	3.1	87.9	0.47	0.12	0.16	35	0.73
1390014	Drill Core	7.68	82.25	40.46	4.06	76.5	122	0.7	1.6	483	1.63	2.0	1.5	5.4	3.2	187.4	1.68	0.15	0.44	30	1.26
1390015	Drill Core	7.76	4.88	30.82	3.38	24.2	96	0.7	1.5	512	1.61	7.1	1.6	9.7	3.6	183.0	0.23	0.17	0.28	39	1.23
1390016	Drill Core	9.17	5.22	31.08	2.67	16.9	78	0.7	1.4	394	1.50	0.4	1.3	1.3	3.0	92.7	0.14	0.04	0.23	42	0.89

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Project: Stewart
Report Date: November 08, 2011

CERTIFICATE OF ANALYSIS VAN11004871.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1389987	Drill Core	0.035	13.0	6.9	0.04	53.5	0.055	<1	0.26	0.078	0.10	3.0	0.4	<0.02	0.26	<5	0.3	<0.02	1.6	0.07	0.1
1389988	Drill Core	0.036	14.3	4.1	0.06	52.5	0.049	1	0.29	0.070	0.10	78.8	0.2	<0.02	0.37	<5	0.4	<0.02	1.6	0.22	0.1
1389989	Drill Core	0.041	15.3	5.9	0.11	50.1	0.047	3	0.33	0.060	0.08	7.1	0.8	<0.02	0.41	<5	0.4	0.31	1.9	0.55	<0.1
1389990	Drill Core	0.039	17.8	2.9	0.14	57.3	0.031	2	0.42	0.064	0.11	0.8	1.0	<0.02	0.44	<5	0.4	<0.02	2.3	0.75	<0.1
1389991	Drill Core	0.044	17.3	6.5	0.08	32.5	0.089	<1	0.29	0.064	0.07	2.9	0.5	<0.02	0.44	<5	0.5	<0.02	2.0	0.15	0.3
1389992	Drill Core	0.037	14.1	3.6	0.05	43.0	0.063	<1	0.27	0.068	0.08	0.4	0.3	<0.02	0.39	<5	0.3	0.04	1.7	0.17	0.1
1389993	Drill Core	0.036	13.1	6.8	0.08	46.7	0.044	2	0.26	0.062	0.10	>100	<0.1	0.02	0.38	<5	0.4	0.03	1.5	0.36	<0.1
1389994	Drill Core	0.295	18.8	70.9	2.60	723.1	0.137	1	1.51	0.059	0.93	1.0	10.4	0.26	0.14	<5	0.1	<0.02	5.9	4.09	<0.1
1389995	Drill Core	0.036	14.2	4.4	0.14	58.1	0.003	3	0.40	0.042	0.17	49.0	0.7	0.05	0.64	<5	0.7	<0.02	1.6	0.95	<0.1
1389996	Drill Core	0.031	15.5	3.5	0.15	53.0	0.032	2	0.33	0.060	0.11	22.3	0.7	0.03	0.37	<5	0.3	<0.02	1.8	0.57	<0.1
1389997	Drill Core	0.032	15.9	6.3	0.09	46.3	0.045	1	0.28	0.066	0.12	8.1	0.5	0.02	0.33	<5	0.3	0.14	1.7	0.42	0.1
1389998	Drill Core	0.025	13.1	3.5	0.09	40.2	0.027	2	0.29	0.051	0.15	9.1	0.6	0.03	0.33	<5	0.3	0.04	1.8	0.47	0.1
1389999	Drill Core	0.036	19.7	3.9	0.16	115.3	0.033	4	0.37	0.047	0.18	29.1	0.8	0.05	0.82	<5	0.9	<0.02	2.2	0.94	<0.1
1390000	Drill Core	0.040	18.9	2.8	0.14	49.1	0.063	<1	0.32	0.073	0.11	6.9	0.9	0.02	0.73	<5	1.0	<0.02	2.1	0.35	0.1
1390001	Drill Core	0.036	17.8	5.9	0.13	60.4	0.065	<1	0.28	0.067	0.09	5.4	0.8	<0.02	0.54	<5	0.6	0.02	1.9	0.27	0.2
1390002	Drill Core	0.038	13.1	3.1	0.07	90.3	0.048	<1	0.25	0.071	0.08	1.4	0.5	<0.02	0.47	<5	0.3	<0.02	1.5	0.32	0.1
1390003	Drill Core	0.042	16.1	5.9	0.11	150.8	0.048	2	0.30	0.074	0.09	0.3	0.8	<0.02	0.48	<5	0.4	<0.02	1.7	0.64	<0.1
1390004	Drill Core	0.046	17.3	3.7	0.15	142.4	0.053	2	0.34	0.062	0.09	14.5	0.8	0.02	0.71	<5	0.7	<0.02	2.1	0.66	<0.1
1390005	Drill Core	0.036	15.4	5.0	0.17	134.8	0.019	5	0.41	0.058	0.16	6.0	1.1	0.06	0.71	<5	0.6	0.03	2.0	0.84	<0.1
1390006	Drill Core	0.037	16.1	2.1	0.14	204.3	0.014	3	0.37	0.057	0.13	0.5	1.0	0.03	0.60	<5	0.4	<0.02	1.9	0.81	<0.1
1390007	Drill Core	0.043	17.2	4.9	0.16	187.3	0.030	1	0.43	0.077	0.13	0.2	0.9	0.03	0.44	<5	0.3	<0.02	2.5	0.71	<0.1
1390008	Drill Core	0.040	15.5	2.7	0.07	45.1	0.051	<1	0.27	0.073	0.09	2.1	0.4	<0.02	0.50	<5	0.5	0.04	1.6	0.23	<0.1
1390009	Rock	0.015	<0.5	0.5	11.51	27.8	<0.001	<1	0.02	0.002	<0.01	<0.1	0.1	<0.02	<0.02	<5	0.2	<0.02	<0.1	0.08	<0.1
1390010	Rock Pulp	0.087	7.1	62.6	1.10	66.7	0.131	4	1.81	0.114	0.57	15.1	7.1	0.44	2.05	118	5.2	0.75	6.3	2.38	<0.1
1390011	Drill Core	0.034	13.0	3.2	0.06	46.1	0.054	<1	0.24	0.073	0.08	4.3	0.3	<0.02	0.64	<5	0.6	<0.02	1.6	0.14	0.1
1390012	Drill Core	0.037	12.1	4.2	0.07	43.5	0.040	<1	0.25	0.062	0.07	<0.1	0.4	<0.02	0.29	<5	0.2	<0.02	1.5	0.26	<0.1
1390013	Drill Core	0.035	12.9	3.3	0.09	44.2	0.048	<1	0.28	0.070	0.08	10.7	0.4	<0.02	0.53	<5	0.6	<0.02	1.7	0.21	0.1
1390014	Drill Core	0.039	14.3	4.2	0.13	93.1	0.032	<1	0.27	0.058	0.10	>100	0.4	0.03	0.71	<5	0.9	0.03	1.7	0.65	<0.1
1390015	Drill Core	0.042	14.7	2.5	0.14	68.1	0.039	<1	0.32	0.074	0.10	3.8	0.8	<0.02	0.58	<5	0.4	<0.02	2.0	0.60	<0.1
1390016	Drill Core	0.043	13.8	4.6	0.10	32.1	0.057	<1	0.27	0.068	0.07	3.9	0.4	<0.02	0.58	<5	0.4	<0.02	1.9	0.26	<0.1

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Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1389987	Drill Core	0.13	1.17	2.4	0.4	<0.05	2.4	4.97	22.9	<0.02	5	0.1	5.2	<10	<2
1389988	Drill Core	0.11	1.10	3.2	0.3	<0.05	2.1	4.92	24.3	0.02	9	0.2	6.0	<10	<2
1389989	Drill Core	0.13	0.88	2.7	0.3	<0.05	2.2	6.46	28.4	<0.02	5	0.4	5.7	<10	<2
1389990	Drill Core	0.11	0.45	3.7	0.3	<0.05	1.8	8.14	32.9	0.02	8	0.5	8.7	<10	<2
1389991	Drill Core	0.23	3.56	2.0	0.8	<0.05	3.6	8.37	33.0	<0.02	47	0.3	6.3	<10	<2
1389992	Drill Core	0.16	1.78	2.1	0.5	<0.05	2.8	5.97	25.8	<0.02	5	0.1	5.5	<10	<2
1389993	Drill Core	0.12	1.40	3.3	0.3	<0.05	2.1	4.85	22.8	<0.02	21	0.2	4.0	<10	<2
1389994	Drill Core	0.12	0.08	47.5	0.5	<0.05	5.4	8.57	46.8	0.05	<1	1.1	25.9	<10	<2
1389995	Drill Core	0.04	0.10	7.1	0.1	<0.05	0.8	7.68	28.4	0.03	33	0.6	3.5	<10	<2
1389996	Drill Core	0.10	0.54	4.0	0.3	<0.05	1.8	5.50	26.7	<0.02	18	0.4	3.3	<10	<2
1389997	Drill Core	0.17	1.21	4.1	0.4	<0.05	3.2	5.77	28.4	<0.02	29	0.3	3.0	<10	<2
1389998	Drill Core	0.15	1.00	6.1	0.4	<0.05	2.9	5.41	24.1	<0.02	19	0.3	3.1	<10	<2
1389999	Drill Core	0.14	1.69	8.5	0.6	<0.05	2.5	8.08	36.3	0.03	27	0.7	4.5	<10	<2
1390000	Drill Core	0.16	3.17	4.7	0.6	<0.05	2.3	6.46	33.0	<0.02	17	0.5	7.0	<10	<2
1390001	Drill Core	0.12	2.94	3.1	0.6	<0.05	2.5	6.43	30.9	<0.02	43	0.5	5.9	<10	<2
1390002	Drill Core	0.12	1.08	2.4	0.4	<0.05	1.8	4.87	23.6	<0.02	2	0.3	2.9	<10	<2
1390003	Drill Core	0.13	1.12	3.3	0.4	<0.05	2.3	6.93	30.6	<0.02	2	0.5	3.2	<10	<2
1390004	Drill Core	0.12	1.30	3.5	0.4	<0.05	2.3	7.48	33.0	0.04	12	0.5	4.5	<10	<2
1390005	Drill Core	0.09	0.41	6.6	0.2	<0.05	1.6	7.16	30.2	0.02	18	0.7	4.2	<10	<2
1390006	Drill Core	0.09	0.30	5.1	0.2	<0.05	1.6	6.89	31.3	<0.02	8	0.6	4.0	<10	<2
1390007	Drill Core	0.10	0.56	4.8	0.3	<0.05	1.9	7.46	33.4	<0.02	5	0.6	5.2	<10	<2
1390008	Drill Core	0.13	1.81	3.0	0.4	<0.05	2.1	5.74	28.1	<0.02	10	0.2	4.6	<10	<2
1390009	Rock	<0.02	<0.02	0.4	<0.1	<0.05	<0.1	0.65	1.0	<0.02	<1	<0.1	0.7	<10	<2
1390010	Rock Pulp	0.18	0.10	29.6	1.7	<0.05	5.5	10.21	16.8	0.09	986	0.5	9.0	<10	<2
1390011	Drill Core	0.16	1.97	2.5	0.4	<0.05	2.6	5.09	24.3	<0.02	23	0.1	4.1	<10	<2
1390012	Drill Core	0.12	0.97	2.0	0.3	<0.05	1.9	5.02	23.2	<0.02	2	0.2	4.2	<10	<2
1390013	Drill Core	0.12	1.29	2.5	0.4	<0.05	2.3	4.86	23.9	<0.02	10	0.1	4.5	<10	<2
1390014	Drill Core	0.08	0.86	4.3	0.3	<0.05	1.6	6.47	27.4	0.03	24	0.4	3.4	<10	<2
1390015	Drill Core	0.10	0.86	4.1	0.3	<0.05	2.0	6.95	29.4	<0.02	<1	0.4	3.8	<10	<2
1390016	Drill Core	0.15	1.64	2.7	0.5	<0.05	2.5	6.38	27.1	<0.02	2	0.3	3.9	<10	<2

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CERTIFICATE OF ANALYSIS VAN11004871.1

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1390017	Drill Core	8.09	16.41	25.01	3.72	22.7	142	0.7	1.7	492	1.45	2.3	2.8	34.2	4.8	138.6	0.26	0.36	14.10	38	1.04
1390018	Drill Core	7.83	40.83	22.55	3.16	69.1	101	0.9	1.3	391	1.42	0.3	2.2	3.0	3.0	98.4	0.39	2.25	4.52	40	0.79
1390019	Drill Core	8.57	16.62	48.63	3.66	62.5	131	0.9	1.5	496	1.91	1.6	1.4	1.5	3.0	130.9	1.16	0.11	0.49	42	1.04
1390020	Drill Core	8.53	15.49	38.44	2.38	40.2	116	0.9	1.4	328	1.71	<0.1	1.6	0.9	3.1	61.8	0.67	0.03	0.24	46	0.73
1390021	Drill Core	8.02	26.83	34.56	2.63	18.9	94	0.9	1.6	456	1.94	0.5	1.6	0.2	3.6	161.6	0.09	0.11	0.33	55	0.96
1390022	Drill Core	7.94	10.74	109.9	3.51	16.6	172	0.9	5.4	599	2.71	10.9	1.3	4.9	2.7	167.8	0.11	0.69	0.92	52	1.25
1390023	Drill Core	7.94	18.80	62.03	3.28	32.2	190	1.2	2.7	575	2.64	0.9	1.5	2.0	3.1	110.8	0.29	0.09	0.56	73	1.08
1390024	Drill Core	8.01	35.58	56.49	353.8	1880	1371	0.9	2.8	969	2.39	6.5	1.4	4.2	3.3	262.7	11.89	0.79	1.99	49	2.14
1390025	Drill Core	4.18	35.01	48.73	2.87	17.1	131	1.0	2.0	402	2.01	<0.1	1.4	1.9	3.5	112.2	0.09	0.05	1.93	46	0.86
1390026	Drill Core	5.10	94.34	59.84	3.65	28.9	168	1.2	2.5	567	2.21	0.3	1.6	4.8	3.5	177.8	0.32	0.10	0.96	48	1.29
1390027	Drill Core	3.97	114.8	109.6	4.06	19.7	176	1.2	6.2	552	3.15	<0.1	2.0	4.3	3.9	198.4	0.19	0.17	1.74	43	1.58
1390028	Drill Core	6.18	187.2	73.74	4.05	18.7	157	0.9	3.9	557	2.74	0.9	1.5	4.0	3.0	215.9	0.13	0.17	1.36	38	1.28
1390029	Drill Core	4.85	420.6	77.10	5.30	13.7	195	1.0	4.8	433	2.42	0.9	1.9	6.3	3.9	231.1	0.12	0.23	2.23	25	1.29
1390030	Drill Core	8.05	100.5	49.90	11.09	30.1	249	0.9	2.2	637	1.82	5.2	2.3	5.6	4.9	377.9	0.34	0.47	2.52	26	1.81
1390031	Drill Core	4.94	732.6	88.45	22.35	55.9	1126	1.2	5.0	671	2.69	31.4	2.2	29.6	3.5	733.8	1.34	1.93	14.73	15	2.03
1390032	Rock	0.22	0.03	2.11	1.31	8.4	3	1.5	0.4	182	0.42	<0.1	0.4	0.7	<0.1	36.4	0.05	<0.02	0.03	<2	16.23
1390033	Rock Pulp	0.08	346.1	3345	23.70	58.3	1827	30.5	8.7	417	3.14	13.0	0.4	868.1	1.2	34.9	0.88	3.76	0.58	49	0.63
1390034	Drill Core	3.88	23.51	25.58	30.38	94.2	129	1.0	1.8	484	1.42	1.8	1.8	30.0	3.8	184.6	0.68	0.17	0.64	32	1.15
1390035	Drill Core	7.89	20.21	46.37	16.05	73.1	126	1.0	2.5	529	1.58	3.4	1.9	4.2	4.6	179.6	0.46	0.23	0.74	27	1.10
1390036	Drill Core	8.48	32.32	30.55	18.54	48.4	164	0.7	1.7	408	1.28	3.9	2.6	1.8	4.8	167.2	0.33	0.18	1.20	23	1.03
1390037	Drill Core	8.36	25.93	31.52	19.35	55.2	134	1.0	1.9	437	1.34	4.4	3.2	4.3	4.7	213.6	0.38	0.24	1.92	21	1.04
1390038	Drill Core	6.80	632.3	24.23	86.40	288.6	854	0.7	1.8	626	1.24	2.9	2.0	7.5	4.7	308.8	2.72	0.74	1.91	13	1.54
1390039	Drill Core	6.95	489.5	65.19	120.5	321.6	1543	1.5	2.6	579	2.15	7.9	2.6	11.3	4.6	268.4	1.89	0.69	2.77	11	1.46
1390040	Drill Core	3.75	242.0	45.92	58.28	156.4	868	1.4	3.2	666	2.07	17.2	2.4	158.0	5.4	291.9	0.93	0.64	2.53	6	1.40
1390041	Drill Core	4.34	445.1	53.88	12.07	10.5	462	1.7	4.7	492	1.99	10.9	2.4	23.0	6.0	253.2	0.03	0.64	13.68	11	1.02
1390042	Drill Core	3.85	163.1	66.86	41.46	62.0	660	1.2	3.5	721	2.13	16.9	2.4	11.4	5.5	295.0	0.35	0.55	1.73	8	1.72
1390043	Drill Core	5.34	261.7	91.64	169.4	579.4	1639	2.0	3.2	620	2.60	30.7	2.4	25.4	5.2	345.8	4.43	0.65	2.43	7	1.59
1390044	Drill Core	3.01	867.6	74.21	137.0	155.6	6358	2.0	3.6	619	2.48	26.3	1.9	23.9	4.3	294.5	0.96	1.19	46.56	5	1.45
1390045	Drill Core	4.04	24.90	82.25	68.48	180.5	2821	1.2	2.5	595	2.17	33.6	1.6	70.3	3.7	433.8	1.88	0.70	15.64	6	1.77
1390046	Drill Core	4.57	73.44	44.32	26.78	413.6	910	1.3	1.7	645	1.54	19.0	2.5	31.6	5.3	1284	8.85	0.54	4.02	8	1.53

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Project: Stewart
Report Date: November 08, 2011

CERTIFICATE OF ANALYSIS VAN11004871.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1390017	Drill Core	0.036	14.2	3.2	0.11	37.4	0.042	<1	0.30	0.064	0.12	18.5	0.5	0.04	0.56	<5	0.5	0.80	1.9	0.59	<0.1
1390018	Drill Core	0.044	14.1	5.7	0.07	37.0	0.064	<1	0.26	0.067	0.08	3.4	0.3	<0.02	0.49	<5	0.4	0.24	1.6	0.24	0.2
1390019	Drill Core	0.047	15.4	2.9	0.12	57.8	0.058	<1	0.32	0.074	0.09	9.7	0.6	<0.02	0.80	<5	0.8	<0.02	2.0	0.43	0.1
1390020	Drill Core	0.047	17.4	6.1	0.07	28.5	0.090	<1	0.24	0.073	0.07	12.5	0.3	<0.02	0.73	<5	0.7	0.03	1.7	0.12	0.2
1390021	Drill Core	0.047	18.2	3.3	0.10	30.7	0.072	<1	0.29	0.077	0.09	1.7	0.5	<0.02	0.67	<5	0.5	<0.02	2.2	0.41	<0.1
1390022	Drill Core	0.047	15.6	5.3	0.13	32.0	0.056	1	0.34	0.068	0.09	2.9	0.7	0.02	1.22	<5	1.4	0.03	2.1	0.55	0.1
1390023	Drill Core	0.054	19.6	3.5	0.15	35.2	0.084	<1	0.38	0.088	0.09	4.7	0.7	0.03	1.04	<5	1.1	0.03	2.6	0.52	0.1
1390024	Drill Core	0.048	17.7	3.8	0.24	31.6	0.029	1	0.38	0.045	0.14	5.7	1.2	0.06	1.06	8	1.0	0.14	2.4	1.06	<0.1
1390025	Drill Core	0.045	15.6	3.2	0.14	38.7	0.067	<1	0.32	0.092	0.11	1.8	0.6	0.03	0.78	<5	0.8	0.12	2.2	0.43	<0.1
1390026	Drill Core	0.049	17.6	5.6	0.16	35.4	0.058	<1	0.34	0.070	0.11	8.0	0.6	0.03	0.97	<5	1.1	0.06	2.3	0.53	<0.1
1390027	Drill Core	0.050	18.5	2.7	0.19	42.2	0.047	<1	0.40	0.058	0.16	11.9	0.8	0.08	1.77	<5	2.2	0.09	2.5	1.05	<0.1
1390028	Drill Core	0.048	14.9	4.7	0.15	46.0	0.043	<1	0.33	0.056	0.11	3.7	0.7	0.04	1.44	<5	1.7	0.11	2.0	0.66	<0.1
1390029	Drill Core	0.043	13.0	2.6	0.15	71.6	0.024	<1	0.36	0.059	0.16	6.7	0.8	0.06	1.19	<5	1.4	0.19	2.1	0.84	<0.1
1390030	Drill Core	0.049	16.7	2.7	0.19	97.6	0.015	2	0.31	0.060	0.14	34.1	0.8	0.06	0.80	<5	0.6	0.11	1.6	1.11	<0.1
1390031	Drill Core	0.036	10.3	1.6	0.19	60.5	0.004	4	0.27	0.047	0.15	7.0	1.0	0.13	1.52	<5	1.7	0.73	1.2	1.09	<0.1
1390032	Rock	0.013	<0.5	<0.5	11.18	15.6	<0.001	<1	0.01	0.002	<0.01	<0.1	<0.1	<0.02	<0.02	<5	0.2	<0.02	<0.1	0.04	<0.1
1390033	Rock Pulp	0.052	5.2	32.4	0.53	127.2	0.108	5	1.20	0.081	0.10	1.0	3.6	0.08	0.39	90	1.2	0.19	4.3	0.39	<0.1
1390034	Drill Core	0.041	10.9	3.0	0.14	43.5	0.045	<1	0.34	0.065	0.10	4.2	0.6	0.04	0.52	<5	0.6	0.03	1.8	0.63	<0.1
1390035	Drill Core	0.042	14.6	5.2	0.15	52.5	0.041	1	0.33	0.074	0.09	3.1	0.8	0.05	0.66	<5	0.8	0.04	1.7	0.58	<0.1
1390036	Drill Core	0.032	15.2	5.8	0.13	55.5	0.030	<1	0.28	0.055	0.11	2.2	0.7	0.04	0.46	<5	0.5	0.06	1.5	0.54	<0.1
1390037	Drill Core	0.028	14.1	3.1	0.13	45.5	0.025	<1	0.32	0.052	0.12	18.2	0.8	0.05	0.50	<5	0.6	0.13	1.7	0.52	<0.1
1390038	Drill Core	0.029	15.5	4.1	0.16	165.9	0.011	1	0.29	0.037	0.15	3.3	1.0	0.09	0.47	9	0.5	0.16	1.4	0.59	<0.1
1390039	Drill Core	0.034	13.5	2.4	0.18	92.2	0.005	2	0.46	0.049	0.20	72.6	1.0	0.09	1.14	18	1.4	0.12	2.0	0.61	<0.1
1390040	Drill Core	0.031	12.2	4.3	0.17	83.8	0.002	2	0.39	0.031	0.23	7.7	0.9	0.10	1.26	<5	0.9	0.25	1.6	0.54	<0.1
1390041	Drill Core	0.030	18.0	3.1	0.19	100.2	0.004	1	0.37	0.038	0.26	41.2	1.0	0.13	1.04	9	1.3	0.84	1.6	0.60	<0.1
1390042	Drill Core	0.031	11.2	3.5	0.23	97.1	0.001	2	0.41	0.037	0.21	55.9	1.0	0.07	1.17	<5	1.4	0.12	1.9	0.55	<0.1
1390043	Drill Core	0.033	9.0	2.7	0.20	66.6	0.001	4	0.42	0.033	0.24	2.0	1.1	0.08	1.52	<5	1.3	0.32	1.6	0.54	<0.1
1390044	Drill Core	0.028	8.3	4.4	0.18	63.9	0.001	2	0.44	0.030	0.23	13.8	0.8	0.13	1.56	<5	1.8	8.40	1.8	0.48	<0.1
1390045	Drill Core	0.030	9.8	2.2	0.18	57.2	0.001	2	0.35	0.036	0.20	4.9	1.0	0.07	1.38	<5	1.5	0.49	1.5	0.54	<0.1
1390046	Drill Core	0.030	11.9	3.1	0.17	64.4	0.002	2	0.48	0.035	0.24	13.5	0.9	0.09	0.64	<5	0.8	0.30	2.1	0.72	<0.1

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Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1390017	Drill Core	0.14	1.29	5.6	0.4	<0.05	2.7	6.75	28.2	<0.02	7	0.4	4.0	<10	<2
1390018	Drill Core	0.15	2.71	2.8	0.6	<0.05	2.9	6.58	28.0	<0.02	30	0.3	4.8	<10	<2
1390019	Drill Core	0.15	1.58	3.1	0.5	<0.05	2.4	8.03	31.5	<0.02	1	0.3	4.4	<10	<2
1390020	Drill Core	0.18	4.61	2.1	0.6	<0.05	3.5	7.82	33.7	<0.02	8	0.2	4.2	<10	<2
1390021	Drill Core	0.17	2.20	3.8	0.5	<0.05	2.7	7.77	35.2	<0.02	7	0.3	3.8	<10	<2
1390022	Drill Core	0.15	1.56	3.9	0.4	<0.05	2.7	7.92	31.3	0.02	4	0.4	4.3	<10	<2
1390023	Drill Core	0.20	1.98	4.1	0.6	<0.05	3.3	8.73	38.1	<0.02	3	0.4	5.2	<10	<2
1390024	Drill Core	0.08	0.72	6.9	0.3	<0.05	1.7	10.44	37.1	0.02	17	0.8	5.0	<10	<2
1390025	Drill Core	0.14	1.55	5.2	0.5	<0.05	2.5	6.85	30.8	<0.02	14	0.4	3.8	<10	<2
1390026	Drill Core	0.13	1.68	5.2	0.5	<0.05	2.4	7.88	34.8	<0.02	36	0.4	4.3	<10	<2
1390027	Drill Core	0.12	1.55	10.8	0.5	<0.05	2.2	9.50	40.1	<0.02	49	0.4	5.7	<10	<2
1390028	Drill Core	0.12	1.38	5.8	0.4	<0.05	2.1	8.54	32.4	<0.02	78	0.4	3.8	<10	<2
1390029	Drill Core	0.08	0.72	9.3	0.3	<0.05	1.5	7.66	30.4	<0.02	178	0.4	4.1	<10	<2
1390030	Drill Core	0.06	0.49	8.2	0.4	<0.05	1.1	9.37	31.6	<0.02	48	0.9	3.3	19	<2
1390031	Drill Core	0.03	0.23	6.9	0.1	<0.05	0.7	7.73	21.0	<0.02	385	0.6	1.8	*	<2
1390032	Rock	<0.02	0.03	0.3	<0.1	<0.05	<0.1	0.51	0.7	<0.02	<1	<0.1	0.5	<10	<2
1390033	Rock Pulp	0.24	0.12	4.3	1.9	<0.05	7.6	7.47	11.3	<0.02	325	0.2	9.0	*	3
1390034	Drill Core	0.11	1.00	4.2	0.4	<0.05	1.7	6.96	23.8	<0.02	7	0.5	4.9	<10	<2
1390035	Drill Core	0.08	1.08	4.0	0.4	<0.05	1.6	7.11	27.4	<0.02	6	0.7	3.4	<10	<2
1390036	Drill Core	0.07	0.80	4.8	0.3	<0.05	1.4	5.84	25.2	<0.02	18	0.3	3.5	<10	<2
1390037	Drill Core	0.08	0.59	5.5	0.3	<0.05	1.3	5.46	23.5	<0.02	10	0.5	4.0	<10	<2
1390038	Drill Core	0.05	0.39	7.1	0.2	<0.05	1.0	5.96	25.7	<0.02	264	0.5	3.5	*	<2
1390039	Drill Core	0.04	0.15	9.0	0.2	<0.05	0.8	5.95	24.5	<0.02	205	0.6	5.8	<10	<2
1390040	Drill Core	<0.02	0.06	11.3	0.2	<0.05	0.7	4.83	20.4	<0.02	83	0.4	5.1	<10	<2
1390041	Drill Core	0.04	0.09	12.6	0.2	<0.05	0.8	5.63	30.7	<0.02	178	0.3	5.3	<10	<2
1390042	Drill Core	0.03	0.05	9.6	0.1	<0.05	0.6	5.41	19.3	<0.02	66	0.6	5.8	<10	<2
1390043	Drill Core	0.04	0.04	10.5	0.1	<0.05	0.8	5.40	16.2	<0.02	94	0.6	3.7	<10	<2
1390044	Drill Core	0.03	0.03	10.3	0.1	<0.05	0.6	4.90	14.4	<0.02	311	0.6	5.0	<10	<2
1390045	Drill Core	0.03	0.04	9.3	0.2	<0.05	0.6	5.38	17.4	<0.02	12	0.5	3.7	<10	<2
1390046	Drill Core	0.03	0.05	11.9	0.3	<0.05	0.5	5.89	21.5	0.05	36	0.7	6.9	<10	<2

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Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1390047	Drill Core	7.50	25.97	30.19	5.55	17.0	115	1.4	2.0	503	1.47	7.9	3.3	3.2	6.1	236.5	0.12	0.24	0.52	22	1.07
1390048	Drill Core	4.98	332.8	72.61	13.35	14.4	415	1.5	3.4	744	2.46	22.5	2.7	9.5	5.6	337.2	0.19	0.55	1.60	6	0.97
1390049	Drill Core	3.97	316.2	50.47	16.97	20.4	434	1.3	3.0	653	1.86	13.3	2.8	11.4	5.9	288.9	0.38	0.59	1.39	5	1.04
1390050	Drill Core	5.22	340.2	41.27	13.80	15.8	333	1.1	2.3	817	1.55	8.1	2.8	7.2	5.2	504.4	0.26	0.52	1.26	6	1.23
1390051	Drill Core	4.24	70.44	23.85	4.44	19.0	85	1.2	1.5	541	1.28	1.8	4.9	1.7	8.8	223.7	0.07	0.12	0.41	23	0.85
1390052	Drill Core	2.97	842.6	40.88	15.56	11.3	465	1.5	2.0	657	1.44	16.1	3.2	5.6	5.1	240.5	0.13	0.44	1.71	7	0.76
1390053	Drill Core	3.62	174.6	59.55	16.35	11.9	416	1.8	2.9	481	1.93	12.1	3.5	8.2	5.2	238.9	0.19	0.76	0.89	4	0.81
1390054	Drill Core	7.93	137.1	29.76	11.73	17.2	216	1.3	1.5	565	1.24	4.2	2.7	2.0	5.3	278.3	0.30	0.36	0.63	9	0.88
1390055	Rock	0.44	0.92	7.41	1.52	14.3	6	1.2	0.5	214	0.38	0.1	0.7	<0.2	<0.1	35.6	0.06	0.04	<0.02	<2	18.17
1390056	Rock Pulp	0.08	1037	9358	47.93	164.7	3966	39.1	21.0	540	4.53	33.7	0.6	688.3	1.5	45.7	1.23	6.24	1.50	107	1.00
1390057	Drill Core	7.41	1018	75.26	41.09	15.1	2488	1.3	3.0	664	2.22	14.8	3.5	31.1	5.2	355.3	0.16	2.58	17.80	6	0.73
1390058	Drill Core	2.97	>2000	46.94	60.59	41.9	2531	1.4	2.1	604	1.68	28.3	2.8	84.4	4.4	384.0	<0.01	1.98	10.10	4	1.27
1390059	Drill Core	7.19	408.8	29.56	29.43	63.4	582	1.2	2.1	498	1.51	28.1	3.5	40.4	5.4	461.9	0.63	0.79	2.07	5	1.09
1390060	Drill Core	6.83	1347	31.28	20.14	33.8	705	1.4	1.7	476	1.29	5.8	3.3	17.9	5.5	309.8	0.37	0.55	2.75	9	1.09
1390061	Drill Core	3.97	802.4	55.30	25.00	55.2	697	2.9	3.1	621	1.91	9.6	3.6	11.8	5.3	387.9	0.36	1.68	2.40	8	1.75
1390062	Drill Core	4.17	1198	71.22	53.79	122.8	2196	2.8	3.5	669	2.26	22.8	3.3	26.5	5.0	220.9	1.26	0.88	5.96	7	1.08
1390063	Drill Core	4.65	1503	83.51	31.95	29.1	2237	3.7	7.1	777	3.08	15.7	2.8	24.1	5.5	282.1	<0.01	0.79	5.20	7	1.32
1390064	Drill Core	5.52	938.4	63.78	23.93	36.1	899	2.6	3.0	840	2.13	8.3	3.1	7.5	5.2	239.6	0.10	0.43	2.16	10	0.98
1390065	Drill Core	2.56	6.81	10.30	5.35	29.4	68	1.1	1.1	640	1.06	2.5	3.4	1.8	6.5	323.4	0.15	0.14	0.11	20	1.18
1390066	Drill Core	3.71	>2000	51.81	43.99	20.6	4888	2.3	2.9	967	2.01	18.6	4.0	22.5	5.9	245.8	<0.01	0.68	8.62	8	0.93
1390067	Drill Core	4.16	807.4	66.90	32.53	58.8	1288	2.5	3.6	958	1.81	17.5	2.7	9.1	4.8	223.0	0.56	0.76	2.60	6	1.45
1390068	Drill Core	4.02	741.0	69.84	52.11	90.4	2478	2.7	4.0	921	2.21	26.6	3.2	14.5	4.6	221.9	1.92	0.93	8.64	8	1.22
1390069	Drill Core	3.79	460.7	38.99	29.08	74.4	594	2.5	2.4	1080	1.66	12.2	2.6	6.8	4.9	267.0	1.31	0.45	1.39	8	1.42
1390070	Drill Core	4.62	207.0	43.76	13.40	19.5	346	3.4	2.7	628	1.66	13.7	3.1	4.5	5.3	265.3	0.32	0.59	0.99	11	1.53
1390071	Drill Core	4.10	1388	28.14	29.15	55.1	936	2.6	3.3	759	2.13	98.7	3.0	31.8	4.7	355.4	0.89	1.28	4.80	8	0.94
1390072	Drill Core	4.51	683.2	59.82	26.06	42.7	1021	5.0	3.1	1235	2.18	18.7	3.0	9.5	4.9	274.2	0.96	1.29	4.73	13	1.34
1390073	Drill Core	4.13	695.1	67.91	30.15	46.6	854	3.8	3.1	817	2.01	38.7	3.8	11.8	5.6	347.2	1.17	0.79	2.38	9	0.96
1390074	Drill Core	6.43	507.5	48.04	20.52	36.0	541	2.8	2.1	1132	1.56	8.6	2.4	9.9	4.6	335.2	0.99	0.46	1.44	6	0.94
1390075	Drill Core	5.62	216.3	25.00	15.56	33.6	304	1.7	1.2	1116	1.18	5.5	2.3	5.6	4.7	304.6	0.81	0.29	0.97	7	0.87
1390076	Drill Core	3.79	273.2	46.21	32.24	22.8	815	2.8	1.9	891	1.74	19.1	3.0	10.2	4.9	247.6	0.51	0.37	1.98	8	0.82

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Project: Stewart
Report Date: November 08, 2011

CERTIFICATE OF ANALYSIS VAN11004871.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1390047	Drill Core	0.032	15.2	3.8	0.16	65.1	0.032	1	0.36	0.071	0.18	4.5	0.9	0.05	0.49	<5	0.6	<0.02	1.5	0.55	<0.1
1390048	Drill Core	0.029	14.1	5.2	0.18	80.6	0.002	2	0.27	0.025	0.23	22.4	0.9	0.08	1.30	<5	1.4	0.10	1.1	0.38	<0.1
1390049	Drill Core	0.027	16.7	3.5	0.18	73.3	0.002	2	0.28	0.025	0.24	6.5	1.0	0.09	0.91	<5	1.1	0.02	1.1	0.38	<0.1
1390050	Drill Core	0.028	14.1	5.7	0.19	108.0	0.002	2	0.29	0.027	0.23	6.9	1.0	0.09	0.70	<5	0.9	0.10	1.2	0.39	<0.1
1390051	Drill Core	0.030	17.5	4.0	0.17	46.5	0.047	<1	0.33	0.071	0.18	1.2	0.8	0.03	0.35	<5	0.6	<0.02	1.8	0.36	<0.1
1390052	Drill Core	0.027	10.5	5.6	0.14	65.7	0.004	1	0.24	0.022	0.23	10.7	0.9	0.08	0.65	<5	0.8	0.08	0.9	0.35	<0.1
1390053	Drill Core	0.025	8.7	3.3	0.08	77.9	0.002	2	0.29	0.017	0.24	89.9	0.6	0.11	0.98	<5	1.1	0.06	0.9	0.30	<0.1
1390054	Drill Core	0.026	13.1	5.7	0.13	81.6	0.008	<1	0.26	0.029	0.23	6.5	0.7	0.07	0.48	<5	0.6	0.05	1.0	0.37	<0.1
1390055	Rock	0.014	<0.5	<0.5	10.82	10.9	<0.001	<1	0.03	0.002	0.03	0.2	0.2	<0.02	<0.02	<5	0.1	<0.02	<0.1	0.53	<0.1
1390056	Rock Pulp	0.085	7.5	63.7	1.09	63.3	0.151	5	1.90	0.126	0.59	14.4	7.8	0.41	2.07	114	5.0	0.72	5.9	2.21	<0.1
1390057	Drill Core	0.026	10.3	5.8	0.13	79.3	0.003	2	0.23	0.019	0.24	32.3	0.8	0.09	1.19	7	1.1	1.18	0.9	0.30	<0.1
1390058	Drill Core	0.023	6.0	3.1	0.12	60.5	<0.001	5	0.27	0.009	0.26	9.0	0.6	0.18	1.48	27	1.7	1.12	1.0	0.64	<0.1
1390059	Drill Core	0.024	9.5	5.0	0.10	65.1	0.003	2	0.25	0.026	0.20	24.6	0.7	0.09	0.96	<5	0.6	0.12	1.0	0.54	<0.1
1390060	Drill Core	0.023	11.1	3.9	0.13	61.3	0.005	2	0.27	0.042	0.20	6.9	0.8	0.08	0.61	<5	0.6	0.26	1.2	0.54	<0.1
1390061	Drill Core	0.034	11.1	6.9	0.24	65.7	0.003	2	0.33	0.032	0.25	4.1	1.4	0.16	1.00	<5	1.1	0.12	1.5	0.78	<0.1
1390062	Drill Core	0.030	7.5	3.4	0.18	54.2	0.002	2	0.32	0.016	0.27	58.2	1.0	0.11	1.33	<5	1.2	0.50	1.2	0.56	<0.1
1390063	Drill Core	0.031	9.6	5.4	0.23	67.9	0.002	1	0.35	0.026	0.24	8.9	1.2	0.11	2.09	<5	2.2	0.34	1.5	0.54	<0.1
1390064	Drill Core	0.029	10.8	3.9	0.20	68.4	0.005	<1	0.32	0.021	0.24	3.3	1.1	0.08	1.04	<5	1.1	0.19	1.3	0.39	<0.1
1390065	Drill Core	0.028	15.1	6.1	0.15	59.2	0.035	<1	0.32	0.058	0.14	0.2	0.9	0.03	0.17	<5	0.3	<0.02	1.8	0.53	<0.1
1390066	Drill Core	0.029	7.4	3.7	0.20	73.1	0.002	1	0.29	0.018	0.27	18.6	1.0	0.10	1.26	5	1.2	0.91	1.1	0.41	<0.1
1390067	Drill Core	0.027	7.2	5.3	0.19	51.4	0.002	2	0.29	0.020	0.25	9.8	1.0	0.11	1.07	<5	0.8	0.12	1.1	0.48	<0.1
1390068	Drill Core	0.033	7.4	3.5	0.22	54.9	0.003	1	0.32	0.023	0.27	18.4	1.1	0.11	1.19	<5	1.3	0.47	1.4	0.43	<0.1
1390069	Drill Core	0.029	8.6	7.3	0.24	67.7	0.003	1	0.31	0.023	0.25	12.0	1.3	0.09	0.79	<5	0.8	0.15	1.3	0.44	<0.1
1390070	Drill Core	0.031	10.8	4.1	0.24	54.2	0.006	2	0.33	0.029	0.28	11.1	1.3	0.11	0.75	<5	0.8	0.05	1.4	0.56	<0.1
1390071	Drill Core	0.030	6.3	6.7	0.19	62.1	0.003	2	0.26	0.019	0.23	33.7	1.1	0.10	1.50	<5	1.6	0.32	1.0	0.40	<0.1
1390072	Drill Core	0.036	9.3	4.6	0.28	61.2	0.005	1	0.34	0.020	0.29	37.7	1.5	0.11	1.08	<5	1.1	0.39	1.5	0.48	<0.1
1390073	Drill Core	0.033	8.7	7.1	0.21	72.8	0.002	2	0.31	0.021	0.25	>100	1.2	0.09	1.03	<5	0.9	0.20	1.2	0.35	<0.1
1390074	Drill Core	0.029	8.1	3.7	0.20	69.0	0.001	2	0.21	0.011	0.20	30.2	1.1	0.07	0.68	<5	0.8	0.16	0.8	0.24	<0.1
1390075	Drill Core	0.029	8.8	5.6	0.19	63.7	0.002	1	0.21	0.013	0.20	7.3	1.2	0.07	0.43	5	0.3	0.14	0.8	0.25	<0.1
1390076	Drill Core	0.030	7.2	4.3	0.14	75.2	0.003	2	0.24	0.013	0.23	8.0	1.0	0.08	0.78	<5	0.7	0.13	0.8	0.29	<0.1

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Project: Stewart
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CERTIFICATE OF ANALYSIS VAN11004871.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1390047	Drill Core	0.06	0.73	8.2	0.3	<0.05	1.4	5.49	26.3	<0.02	20	0.4	3.5	<10	<2
1390048	Drill Core	0.03	0.07	10.5	0.1	<0.05	0.8	4.15	21.6	<0.02	126	0.2	2.9	<10	<2
1390049	Drill Core	0.04	0.05	11.4	0.2	<0.05	0.9	3.80	26.9	<0.02	127	0.2	2.9	<10	<2
1390050	Drill Core	0.04	0.05	11.5	0.1	<0.05	0.9	4.42	22.6	<0.02	130	0.3	3.5	<10	<2
1390051	Drill Core	0.14	1.30	5.9	0.4	<0.05	2.3	5.28	28.6	<0.02	27	1.0	4.0	<10	<2
1390052	Drill Core	0.04	0.17	10.8	0.1	<0.05	0.8	3.62	17.7	<0.02	372	0.2	2.9	<10	<2
1390053	Drill Core	0.03	0.04	11.6	0.2	<0.05	0.8	2.65	14.5	<0.02	78	0.2	2.4	<10	<2
1390054	Drill Core	0.04	0.24	11.0	0.2	<0.05	1.0	3.76	21.6	<0.02	66	<0.1	2.7	<10	<2
1390055	Rock	<0.02	<0.02	2.6	<0.1	<0.05	<0.1	0.64	0.7	<0.02	2	<0.1	0.7	<10	<2
1390056	Rock Pulp	0.16	0.10	27.8	1.8	<0.05	5.2	10.31	16.3	<0.02	924	0.2	9.4	<10	4
1390057	Drill Core	0.04	0.08	10.3	0.1	<0.05	0.9	2.99	16.5	<0.02	373	<0.1	1.8	<10	<2
1390058	Drill Core	<0.02	0.04	12.0	0.2	<0.05	0.7	3.72	10.7	<0.02	>1000	0.2	1.7	<10	<2
1390059	Drill Core	0.04	0.16	9.8	0.1	<0.05	0.9	3.91	16.0	<0.02	194	0.3	2.0	<10	<2
1390060	Drill Core	0.03	0.24	8.9	<0.1	<0.05	0.9	3.97	19.4	<0.02	558	0.4	2.1	<10	<2
1390061	Drill Core	0.05	0.08	14.1	0.2	<0.05	1.1	4.40	18.7	<0.02	436	0.3	4.0	<10	<2
1390062	Drill Core	0.04	0.06	13.8	0.2	<0.05	1.0	3.58	12.7	<0.02	596	0.3	3.4	<10	<2
1390063	Drill Core	0.04	0.10	12.2	0.2	<0.05	0.9	4.64	16.2	<0.02	730	0.4	4.5	<10	<2
1390064	Drill Core	0.04	0.14	11.7	0.2	<0.05	0.9	4.07	17.5	<0.02	384	0.2	4.4	<10	<2
1390065	Drill Core	0.09	0.90	4.6	0.3	<0.05	1.5	6.15	26.5	<0.02	2	0.5	4.4	<10	<2
1390066	Drill Core	0.04	0.06	12.8	0.2	<0.05	1.0	3.70	12.5	<0.02	>1000	0.2	3.0	<10	<2
1390067	Drill Core	0.03	0.04	13.2	0.2	<0.05	0.8	3.85	11.9	<0.02	326	0.2	3.6	<10	<2
1390068	Drill Core	0.04	0.05	15.3	0.2	<0.05	1.1	3.94	12.0	<0.02	288	0.1	4.5	<10	2
1390069	Drill Core	0.03	0.07	13.8	0.2	<0.05	0.9	4.32	14.4	<0.02	195	0.1	4.1	<10	<2
1390070	Drill Core	0.05	0.13	16.0	0.5	<0.05	1.2	3.90	17.9	<0.02	103	0.2	6.9	<10	<2
1390071	Drill Core	0.05	0.06	12.0	0.2	<0.05	1.0	3.03	11.0	<0.02	500	<0.1	3.8	<10	<2
1390072	Drill Core	0.04	0.07	16.5	0.3	<0.05	1.2	4.20	15.3	<0.02	264	<0.1	6.5	<10	<2
1390073	Drill Core	0.04	0.03	13.2	0.2	<0.05	1.1	3.22	14.4	<0.02	270	0.1	4.4	<10	<2
1390074	Drill Core	0.03	0.02	9.0	0.1	<0.05	0.8	4.04	12.7	<0.02	186	0.1	2.7	*	<2
1390075	Drill Core	0.02	0.03	8.8	0.1	<0.05	0.8	4.14	13.6	<0.02	72	0.1	2.7	*	<2
1390076	Drill Core	0.04	0.03	10.6	0.2	<0.05	0.8	3.87	12.0	<0.02	110	0.2	2.8	*	<2

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CERTIFICATE OF ANALYSIS VAN11004871.1

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1390077	Drill Core	3.99	209.5	28.09	13.79	41.5	365	1.6	1.4	1049	1.18	61.4	2.8	56.1	4.7	243.7	1.02	0.52	1.23	8	1.06
1390078	Rock	0.28	1.49	1.39	1.27	9.3	6	0.9	0.6	219	0.43	0.6	0.5	0.3	<0.1	34.4	0.05	0.02	0.04	<2	21.70
1390079	Rock Pulp	0.08	352.6	3300	22.19	53.8	1857	30.0	8.1	399	3.11	12.3	0.3	900.6	1.1	31.3	0.34	3.09	0.55	49	0.60
1390080	Drill Core	4.35	6.47	29.63	2.24	43.5	103	1.0	1.3	396	1.53	0.2	2.9	1.1	4.8	47.7	0.60	0.04	0.30	49	0.57
1390081	Drill Core	6.91	17.69	30.18	3.62	58.7	129	1.4	1.9	396	1.61	4.3	3.0	0.9	4.7	58.9	1.00	0.30	0.16	40	0.51
1390082	Drill Core	7.92	22.50	25.97	2.24	66.6	81	1.1	1.2	388	1.25	0.5	2.5	0.4	4.9	56.4	1.17	0.04	0.17	40	0.56
1390083	Drill Core	8.87	77.73	38.18	2.46	242.3	89	1.0	1.3	362	1.27	<0.1	2.4	0.3	4.1	57.0	4.86	0.02	0.22	32	0.60
1390084	Drill Core	8.59	11.05	17.78	3.07	41.1	106	0.8	1.1	346	1.04	1.6	2.8	1.5	5.3	73.3	0.67	0.19	0.23	28	0.58
1390085	Drill Core	8.21	34.64	18.86	3.40	29.5	81	1.1	1.1	440	1.14	2.4	3.5	1.0	6.0	83.3	0.42	0.15	0.09	36	0.73
1390086	Drill Core	8.46	11.22	14.44	3.79	103.9	51	0.9	0.9	347	1.03	2.0	4.7	0.5	7.4	75.4	2.06	0.14	0.11	27	0.65
1390087	Drill Core	4.22	15.92	18.23	2.97	57.9	61	1.2	1.2	418	1.21	1.5	3.2	<0.2	6.1	67.4	0.98	0.22	0.10	35	0.62
1390088	Drill Core	5.46	60.14	36.08	4.45	55.3	160	1.2	1.6	520	1.58	15.4	3.2	4.5	5.7	72.4	0.98	0.51	0.36	45	0.84
1390089	Drill Core	3.60	20.68	26.79	11.05	61.9	128	13.3	19.5	906	3.97	3.8	0.8	11.7	3.2	293.7	0.16	1.38	0.15	74	4.71
1390090	Drill Core	4.97	263.4	82.22	15.22	42.6	606	2.0	5.3	489	2.33	20.2	3.3	15.9	4.8	146.1	0.65	1.29	1.48	13	1.36
1390091	Drill Core	4.09	607.8	97.57	35.08	20.9	1070	2.6	5.5	560	2.52	27.2	6.1	22.8	9.6	145.3	0.25	1.01	1.80	4	1.58
1390092	Drill Core	4.77	>2000	201.6	200.5	14.7	11693	10.6	18.5	870	5.99	75.8	3.6	123.1	4.0	114.3	<0.01	2.57	24.88	5	2.02
1390093	Drill Core	3.30	600.4	74.80	35.45	48.8	1777	4.3	5.2	758	2.10	38.1	2.1	52.8	3.4	156.2	0.56	2.24	2.29	5	2.14
1390094	Drill Core	3.98	65.70	80.00	18.53	41.9	875	2.2	4.6	621	2.17	35.6	2.7	6.5	4.9	170.0	0.66	1.03	2.66	25	1.77
1390095	Drill Core	5.54	10.41	54.03	4.42	16.2	126	1.4	3.8	454	1.80	7.3	1.9	1.4	3.8	126.1	0.15	0.16	0.56	29	1.45
1390096	Drill Core	8.27	276.9	83.99	10.35	13.8	410	2.2	5.1	529	2.15	18.5	1.8	8.4	3.8	201.9	0.11	1.19	2.42	14	1.41
1390097	Drill Core	6.21	99.02	80.84	11.89	13.0	467	2.6	5.0	581	2.15	58.7	1.5	19.1	3.5	270.6	0.17	1.74	3.67	8	1.70
1390098	Drill Core	2.81	712.2	59.46	14.79	15.3	419	2.6	3.4	525	1.70	129.1	1.7	16.0	3.8	271.6	<0.01	1.77	1.91	11	1.76
1390099	Drill Core	4.31	253.9	68.18	13.46	14.2	375	3.5	4.1	667	1.92	82.4	3.2	16.3	4.5	290.7	0.23	1.24	1.83	6	1.63
1390100	Drill Core	3.95	40.93	56.25	7.36	15.5	177	2.0	3.5	517	1.81	45.6	1.7	4.6	3.0	219.7	0.19	0.90	0.79	18	1.54
1390101	Rock	0.31	2.27	1.77	1.26	13.3	11	1.2	0.7	231	0.49	0.9	0.5	<0.2	0.1	49.2	0.06	0.03	0.06	<2	21.73
1390102	Rock Pulp	0.08	935.1	8665	41.25	153.1	3923	35.6	19.1	486	4.23	30.1	0.5	657.6	1.3	38.2	1.01	5.44	1.36	96	0.88
1390103	Drill Core	6.48	234.6	70.98	14.13	14.5	606	2.2	4.1	565	1.97	19.0	2.2	10.6	4.4	224.6	0.15	1.01	4.85	14	1.38
1390104	Drill Core	8.41	313.6	82.32	14.19	19.6	422	2.0	4.9	632	2.27	95.5	2.1	11.9	4.3	240.7	0.22	1.06	1.52	18	1.81
1390105	Drill Core	8.43	147.2	79.58	13.67	36.5	324	1.6	4.6	599	2.27	45.3	1.7	6.3	4.0	238.6	0.30	0.89	1.61	23	1.86
1390106	Drill Core	7.24	264.3	106.2	107.0	90.5	3034	2.9	6.8	961	2.51	29.5	2.3	44.2	3.7	233.8	1.22	4.98	36.02	11	1.65

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Project: Stewart
Report Date: November 08, 2011

CERTIFICATE OF ANALYSIS VAN11004871.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1390077	Drill Core	0.031	7.7	6.6	0.22	66.7	0.002	2	0.21	0.012	0.19	16.5	1.4	0.07	0.39	<5	0.5	0.09	0.8	0.31	<0.1
1390078	Rock	0.013	<0.5	<0.5	11.22	23.0	<0.001	<1	0.01	0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	0.2	<0.02	<0.1	0.06	<0.1
1390079	Rock Pulp	0.046	4.7	31.7	0.54	117.1	0.090	4	1.16	0.078	0.10	0.9	3.2	0.07	0.38	89	1.0	0.18	4.1	0.35	0.1
1390080	Drill Core	0.048	15.5	5.8	0.05	33.8	0.072	<1	0.25	0.061	0.07	1.4	0.5	<0.02	0.44	<5	0.5	0.05	1.6	0.07	0.2
1390081	Drill Core	0.037	15.5	3.7	0.07	52.6	0.057	<1	0.33	0.081	0.09	15.3	0.6	<0.02	0.38	<5	0.5	0.03	1.7	0.14	0.1
1390082	Drill Core	0.037	15.8	4.7	0.06	36.4	0.060	<1	0.27	0.064	0.07	20.3	0.4	<0.02	0.37	<5	0.4	0.02	1.5	0.09	0.2
1390083	Drill Core	0.035	13.7	3.6	0.06	35.6	0.052	<1	0.24	0.058	0.07	36.1	0.3	<0.02	0.47	<5	0.6	0.04	1.3	0.11	0.2
1390084	Drill Core	0.035	14.8	4.3	0.06	44.9	0.047	<1	0.27	0.059	0.10	0.4	0.4	<0.02	0.31	<5	0.4	0.03	1.4	0.20	<0.1
1390085	Drill Core	0.027	14.1	3.4	0.06	40.0	0.045	<1	0.25	0.059	0.09	1.6	0.5	<0.02	0.36	<5	0.4	<0.02	1.5	0.26	0.2
1390086	Drill Core	0.023	11.9	5.1	0.06	33.8	0.032	<1	0.26	0.054	0.09	24.7	0.4	<0.02	0.29	<5	0.3	0.02	1.3	0.19	<0.1
1390087	Drill Core	0.035	12.5	3.5	0.09	42.6	0.044	<1	0.27	0.056	0.08	4.3	0.5	<0.02	0.30	<5	0.4	0.02	1.6	0.16	0.1
1390088	Drill Core	0.039	14.0	4.9	0.11	55.3	0.051	1	0.33	0.051	0.09	11.1	0.7	0.03	0.53	<5	0.5	0.03	1.7	0.33	<0.1
1390089	Drill Core	0.299	21.4	45.9	2.08	308.6	0.052	1	1.88	0.028	0.45	0.5	10.5	0.17	0.50	<5	0.2	0.03	5.2	2.94	<0.1
1390090	Drill Core	0.031	11.1	3.6	0.19	49.6	0.005	3	0.54	0.036	0.17	4.8	0.9	0.08	1.30	<5	1.8	0.15	1.7	0.61	<0.1
1390091	Drill Core	0.026	6.9	1.9	0.23	66.2	0.001	2	0.56	0.017	0.21	1.6	0.6	0.11	1.64	6	1.8	0.08	1.8	0.46	<0.1
1390092	Drill Core	0.029	5.0	2.7	0.65	38.4	0.001	3	1.17	0.005	0.22	2.8	0.7	0.22	4.35	13	6.5	0.65	4.1	0.76	<0.1
1390093	Drill Core	0.041	7.5	2.0	0.18	45.7	<0.001	3	0.49	0.017	0.20	1.6	0.8	0.24	1.42	<5	1.5	0.09	1.4	0.63	<0.1
1390094	Drill Core	0.046	17.5	4.8	0.19	42.7	0.021	2	0.46	0.044	0.20	18.5	1.2	0.13	1.02	<5	1.1	0.12	1.8	0.91	<0.1
1390095	Drill Core	0.040	17.4	2.9	0.19	84.0	0.031	<1	0.36	0.051	0.18	3.6	1.1	0.10	0.80	<5	0.8	0.05	1.8	0.92	<0.1
1390096	Drill Core	0.038	15.3	3.2	0.17	82.5	0.009	2	0.35	0.038	0.23	2.7	0.9	0.12	1.17	<5	1.4	0.12	1.4	0.79	<0.1
1390097	Drill Core	0.037	13.9	1.9	0.16	52.7	0.002	3	0.31	0.033	0.20	2.7	0.9	0.09	1.24	<5	1.4	0.25	1.2	0.55	<0.1
1390098	Drill Core	0.041	17.8	2.9	0.17	59.3	0.003	2	0.35	0.035	0.20	1.2	1.0	0.13	0.85	<5	1.1	0.20	1.4	0.51	<0.1
1390099	Drill Core	0.041	14.4	2.0	0.14	103.1	0.002	1	0.27	0.028	0.22	3.2	0.8	0.10	1.09	<5	1.3	0.15	1.1	0.48	<0.1
1390100	Drill Core	0.037	14.8	3.8	0.18	84.8	0.011	1	0.32	0.041	0.22	3.2	1.0	0.11	0.88	<5	0.9	0.08	1.5	0.84	<0.1
1390101	Rock	0.013	0.9	<0.5	11.25	136.5	0.001	<1	0.03	0.002	0.02	0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	0.1	0.24	<0.1
1390102	Rock Pulp	0.077	6.4	57.7	1.00	69.2	0.114	3	1.63	0.096	0.52	13.6	6.9	0.38	1.91	115	4.4	0.60	5.3	1.99	<0.1
1390103	Drill Core	0.039	16.1	3.7	0.16	57.2	0.008	1	0.30	0.032	0.21	3.9	1.0	0.10	1.07	<5	1.3	0.11	1.3	0.63	<0.1
1390104	Drill Core	0.053	21.4	2.6	0.23	68.2	0.019	2	0.33	0.031	0.22	1.5	1.2	0.12	1.18	<5	1.4	0.13	1.4	0.86	<0.1
1390105	Drill Core	0.043	23.2	3.3	0.22	48.2	0.013	1	0.33	0.039	0.20	4.5	1.2	0.10	1.09	<5	1.3	0.11	1.6	0.74	<0.1
1390106	Drill Core	0.036	9.3	2.1	0.21	60.9	0.004	2	0.25	0.023	0.20	7.7	1.2	0.10	1.65	<5	2.1	1.59	1.1	0.47	<0.1

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Project: Stewart
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CERTIFICATE OF ANALYSIS VAN11004871.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1390077	Drill Core	0.04	<0.02	8.8	0.1	<0.05	0.8	4.54	12.7	<0.02	77	0.2	2.9	*	<2
1390078	Rock	<0.02	<0.02	0.4	<0.1	<0.05	<0.1	0.59	0.9	<0.02	<1	<0.1	0.4	<10	<2
1390079	Rock Pulp	0.26	0.12	3.7	1.7	<0.05	7.1	6.66	10.0	<0.02	334	0.2	8.1	*	<2
1390080	Drill Core	0.18	2.16	1.8	0.5	<0.05	3.2	6.29	27.2	<0.02	4	0.3	4.0	<10	<2
1390081	Drill Core	0.15	1.23	2.2	0.4	<0.05	2.5	5.66	26.0	<0.02	9	0.4	6.0	<10	<2
1390082	Drill Core	0.13	1.95	2.1	0.5	<0.05	2.5	5.32	26.4	<0.02	18	0.2	4.9	<10	<2
1390083	Drill Core	0.13	1.64	2.5	0.4	<0.05	2.1	4.38	22.5	0.02	32	0.1	5.1	17	<2
1390084	Drill Core	0.12	1.26	3.0	0.4	<0.05	2.1	4.74	23.9	<0.02	12	0.3	4.6	<10	<2
1390085	Drill Core	0.15	1.47	2.9	0.5	<0.05	2.6	4.85	23.2	<0.02	26	0.3	3.4	<10	<2
1390086	Drill Core	0.14	0.70	3.0	0.2	<0.05	2.3	3.86	19.1	<0.02	8	0.2	3.9	<10	<2
1390087	Drill Core	0.13	0.96	2.2	0.4	<0.05	2.3	4.24	20.3	<0.02	19	0.2	4.1	<10	<2
1390088	Drill Core	0.14	1.16	3.5	0.4	<0.05	2.6	6.11	24.8	<0.02	40	0.3	3.4	17	<2
1390089	Drill Core	0.12	<0.02	22.6	0.4	<0.05	5.5	8.90	49.5	0.04	14	2.2	36.5	<10	<2
1390090	Drill Core	0.05	0.09	7.4	0.1	<0.05	1.0	5.09	19.8	<0.02	142	0.6	6.8	*	<2
1390091	Drill Core	0.05	<0.02	8.8	<0.1	<0.05	1.3	3.87	12.0	<0.02	312	0.5	9.2	*	<2
1390092	Drill Core	0.05	<0.02	9.6	0.1	<0.05	1.0	5.22	9.4	<0.02	>1000	0.6	22.2	*	<2
1390093	Drill Core	0.05	<0.02	9.5	<0.1	<0.05	0.9	6.18	13.8	<0.02	276	0.6	6.3	*	<2
1390094	Drill Core	0.09	0.35	13.3	0.3	<0.05	1.8	8.03	32.9	<0.02	45	0.4	7.1	12	<2
1390095	Drill Core	0.09	0.60	13.9	0.3	<0.05	1.5	6.01	29.0	<0.02	6	0.3	7.7	<10	<2
1390096	Drill Core	0.05	0.21	14.0	0.8	<0.05	1.0	5.80	26.4	<0.02	144	0.3	4.9	*	<2
1390097	Drill Core	0.03	0.05	11.2	0.3	<0.05	1.0	5.14	22.7	<0.02	42	0.2	3.6	23	<2
1390098	Drill Core	0.03	0.07	11.1	0.1	<0.05	1.0	5.87	29.6	<0.02	335	0.3	5.6	*	<2
1390099	Drill Core	0.06	0.04	12.8	0.1	<0.05	1.4	4.83	22.8	<0.02	101	<0.1	4.1	*	<2
1390100	Drill Core	0.07	0.28	15.6	0.2	<0.05	1.2	4.95	24.8	<0.02	15	0.2	6.8	12	<2
1390101	Rock	<0.02	0.04	1.6	<0.1	<0.05	<0.1	0.83	1.6	<0.02	2	<0.1	0.7	<10	<2
1390102	Rock Pulp	0.14	0.08	24.3	1.4	<0.05	4.4	9.05	14.3	<0.02	832	0.3	8.4	*	<2
1390103	Drill Core	0.07	0.22	13.1	0.2	<0.05	1.5	5.72	28.3	<0.02	119	0.3	5.0	*	<2
1390104	Drill Core	0.08	0.46	15.6	0.2	<0.05	1.7	8.95	39.1	<0.02	138	0.1	6.6	*	<2
1390105	Drill Core	0.08	0.30	14.0	0.2	<0.05	1.4	7.07	38.4	<0.02	74	0.4	6.2	42	<2
1390106	Drill Core	0.05	0.09	10.2	0.1	<0.05	1.3	5.03	16.2	<0.02	122	0.1	3.0	*	<2

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CERTIFICATE OF ANALYSIS VAN11004871.1

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1390107	Drill Core	3.63	1439	105.6	59.77	189.8	3193	2.0	4.9	739	2.10	28.3	2.5	43.6	2.4	941.8	3.35	26.40	6.13	6	1.91
1390108	Drill Core	6.69	17.12	21.02	9.47	24.0	317	0.8	1.2	574	0.88	11.1	2.8	2.5	5.7	230.1	0.54	3.06	0.37	5	0.99
1390109	Drill Core	8.33	116.4	39.41	11.97	18.4	399	1.3	2.5	567	1.48	4.6	2.8	20.5	5.4	186.5	0.49	0.46	16.06	16	1.03
1390110	Drill Core	8.25	418.9	44.26	21.78	22.7	631	1.5	2.8	758	1.55	28.8	3.6	10.8	6.4	272.3	0.96	0.47	1.41	8	0.96
1390111	Drill Core	8.17	578.4	50.17	17.06	31.7	664	1.2	2.7	851	1.56	6.7	2.7	9.6	4.9	255.0	1.22	0.64	9.24	12	1.36
1390112	Drill Core	8.09	723.3	44.21	73.75	14.4	4357	1.3	2.3	553	1.59	10.7	3.0	8.7	5.2	193.4	0.93	0.68	8.45	19	0.91
1390113	Drill Core	8.32	288.8	39.69	13.69	21.1	331	1.2	2.3	774	1.42	8.3	2.1	4.1	4.7	257.0	0.75	0.43	0.96	11	1.09
1390114	Drill Core	4.46	1534	80.79	18.64	18.4	1205	2.1	9.1	726	2.64	7.7	2.2	12.6	4.1	481.2	1.69	0.86	6.55	14	1.41
1390115	Drill Core	4.38	413.9	69.03	13.78	31.0	518	1.5	4.0	761	1.98	16.7	3.4	8.7	6.3	224.1	1.02	0.62	2.23	23	1.59
1390116	Drill Core	8.43	113.2	49.36	50.85	164.1	3257	1.3	2.5	1029	1.59	17.4	3.0	7.4	5.6	259.4	1.70	0.56	6.19	9	1.99
1390117	Drill Core	8.01	175.1	60.38	19.48	43.4	470	1.4	3.5	663	1.88	11.7	6.7	11.0	9.0	208.5	0.63	0.50	1.99	21	1.48
1390118	Drill Core	4.07	48.37	62.52	17.68	37.2	429	1.7	3.8	905	1.98	12.4	3.2	2.5	6.1	237.5	0.73	0.46	1.01	8	1.44
1390119	Drill Core	6.54	297.2	38.73	32.54	86.7	2694	1.3	3.4	535	1.81	43.3	6.1	83.6	7.5	215.9	2.41	0.92	16.42	2	0.83
1390120	Drill Core	3.40	796.7	67.87	18.79	31.2	704	2.5	3.6	935	2.03	7.9	4.2	7.4	6.8	207.4	1.48	0.41	1.84	5	1.26
1390121	Rock	0.17	1.84	1.85	1.70	17.3	28	1.7	0.5	211	0.41	0.2	0.7	<0.2	0.1	39.1	0.09	0.12	0.11	<2	18.03
1390122	Rock Pulp	0.08	342.0	3216	22.48	52.5	1743	28.5	7.7	396	2.89	11.9	0.3	829.5	1.1	29.7	0.70	3.08	0.53	43	0.54
1390123	Drill Core	1.96	315.5	58.36	13.91	37.5	470	2.0	3.4	988	1.87	9.6	4.0	4.0	6.5	269.1	1.14	0.41	1.05	8	1.72
1390124	Drill Core	2.66	850.9	75.60	30.04	22.9	1940	3.2	4.1	743	2.24	20.5	4.5	17.6	7.9	242.0	1.26	0.55	13.61	6	1.10
1390125	Drill Core	3.69	644.4	47.10	10.93	15.8	397	1.5	2.9	589	1.67	10.2	3.9	7.6	4.9	223.9	0.83	0.63	1.17	10	1.42
1390126	Drill Core	2.92	516.0	15.94	14.76	11.6	287	1.0	1.0	764	0.83	6.4	5.6	4.9	7.9	253.5	0.68	0.65	0.95	5	1.19
1390127	Drill Core	5.94	216.6	26.94	14.44	19.9	394	1.3	1.4	1088	1.15	8.7	3.5	5.4	5.6	255.1	0.67	0.54	0.72	4	1.27
1390128	Drill Core	7.90	89.97	29.03	14.04	15.5	507	1.1	1.2	575	1.17	5.3	4.1	7.3	6.5	603.4	0.44	0.54	0.78	3	0.90
1390129	Drill Core	8.03	79.51	39.69	15.19	14.3	585	1.5	2.3	691	1.54	11.2	4.9	5.7	6.1	243.1	0.32	0.62	0.61	5	1.33
1390130	Drill Core	3.18	20.93	57.66	30.90	42.0	914	1.9	2.9	968	1.86	25.5	4.8	5.7	7.5	248.8	0.50	0.75	1.25	3	1.45
1390131	Drill Core	4.24	45.88	35.12	30.33	64.0	510	1.3	1.6	729	1.59	14.6	3.9	15.1	6.7	298.3	0.82	0.52	0.61	10	1.62
1390132	Drill Core	7.73	10.30	39.81	18.79	71.5	708	1.4	2.4	525	1.56	31.5	3.3	20.6	6.4	246.5	1.82	0.93	1.03	8	1.13
1390133	Drill Core	3.63	7.85	52.58	15.49	53.9	520	1.5	2.0	403	1.76	41.9	2.9	10.6	6.1	237.6	1.39	0.72	0.80	8	0.83
1390134	Drill Core	3.10	350.2	24.21	16.95	8.9	661	1.1	1.6	352	1.12	11.4	3.9	38.5	6.3	458.4	0.48	0.41	1.90	8	0.74
1390135	Drill Core	3.96	141.1	23.47	7.31	6.9	151	0.8	1.0	232	0.83	5.9	11.0	3.0	19.3	166.9	0.18	0.25	0.45	5	0.47
1390136	Drill Core	4.40	144.3	48.89	14.85	189.8	599	1.0	1.6	373	1.21	21.7	7.4	6.2	8.7	252.1	5.02	0.56	1.16	8	0.97

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Project: Stewart
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CERTIFICATE OF ANALYSIS VAN11004871.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1390107	Drill Core	0.038	6.1	3.1	0.21	52.2	<0.001	4	0.26	0.022	0.22	3.8	1.0	0.22	1.54	15	1.5	0.33	1.0	0.58	<0.1
1390108	Drill Core	0.024	11.4	2.3	0.11	46.8	0.005	3	0.21	0.035	0.16	1.2	0.7	0.05	0.31	<5	0.2	0.03	0.8	0.37	<0.1
1390109	Drill Core	0.031	13.6	5.6	0.11	56.8	0.018	2	0.26	0.044	0.19	1.9	0.6	0.07	0.71	<5	0.8	0.27	1.2	0.45	<0.1
1390110	Drill Core	0.031	14.9	3.9	0.16	65.0	0.005	2	0.23	0.020	0.25	0.7	0.7	0.10	0.78	<5	0.7	0.12	1.0	0.57	<0.1
1390111	Drill Core	0.028	13.7	2.8	0.18	77.5	0.009	2	0.32	0.039	0.26	1.1	0.8	0.10	0.75	6	0.8	0.11	1.4	0.58	<0.1
1390112	Drill Core	0.029	11.3	4.1	0.10	55.9	0.021	1	0.24	0.037	0.16	3.0	0.5	0.07	0.74	<5	0.6	0.25	1.2	0.32	<0.1
1390113	Drill Core	0.026	13.8	3.0	0.15	73.5	0.014	2	0.28	0.040	0.25	1.2	0.8	0.09	0.65	<5	0.7	0.09	1.2	0.48	<0.1
1390114	Drill Core	0.035	18.1	4.9	0.21	62.1	0.012	2	0.31	0.030	0.24	12.9	1.1	0.13	1.71	14	2.2	0.38	1.5	0.91	<0.1
1390115	Drill Core	0.044	25.5	3.7	0.27	69.5	0.044	2	0.39	0.039	0.32	3.3	1.3	0.19	1.07	<5	1.2	0.19	2.0	1.31	<0.1
1390116	Drill Core	0.037	12.4	3.0	0.14	59.2	0.001	1	0.39	0.022	0.20	0.8	1.0	0.09	0.65	<5	0.7	0.25	1.7	0.53	<0.1
1390117	Drill Core	0.033	17.7	2.8	0.20	58.8	0.017	2	0.39	0.027	0.26	5.1	1.0	0.12	0.95	<5	1.0	0.10	1.9	0.73	<0.1
1390118	Drill Core	0.029	17.0	3.1	0.19	86.3	0.004	2	0.32	0.026	0.24	44.3	1.0	0.10	1.01	<5	0.9	0.10	1.5	0.49	<0.1
1390119	Drill Core	0.014	4.8	2.0	0.08	60.1	<0.001	2	0.25	0.019	0.25	3.2	0.4	0.11	1.33	<5	0.9	0.80	0.9	0.36	<0.1
1390120	Drill Core	0.029	9.0	4.6	0.14	58.7	0.002	2	0.22	0.015	0.21	49.0	0.7	0.09	1.17	<5	1.1	0.13	0.9	0.35	<0.1
1390121	Rock	0.013	0.5	<0.5	9.98	13.4	<0.001	<1	0.01	0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	0.04	<0.1
1390122	Rock Pulp	0.045	4.4	29.6	0.50	110.1	0.083	3	1.11	0.075	0.09	0.9	3.1	0.07	0.36	79	1.0	0.15	3.9	0.33	<0.1
1390123	Drill Core	0.043	13.7	3.6	0.18	68.2	0.004	2	0.28	0.026	0.21	12.2	1.0	0.09	0.96	<5	1.0	0.09	1.2	0.50	<0.1
1390124	Drill Core	0.027	11.7	4.2	0.17	52.5	0.005	<1	0.19	0.013	0.20	8.8	0.7	0.08	1.28	<5	1.6	0.77	0.8	0.42	<0.1
1390125	Drill Core	0.034	14.3	3.9	0.16	46.0	0.006	1	0.25	0.027	0.22	2.0	0.9	0.10	0.88	<5	1.0	0.16	1.3	0.73	<0.1
1390126	Drill Core	0.028	13.7	3.4	0.12	59.1	0.003	2	0.20	0.020	0.21	2.7	0.7	0.08	0.30	<5	0.2	0.10	0.8	0.33	<0.1
1390127	Drill Core	0.026	10.6	5.6	0.19	66.7	0.001	2	0.19	0.015	0.19	6.2	0.7	0.08	0.42	<5	0.5	0.07	0.9	0.30	<0.1
1390128	Drill Core	0.016	5.3	2.4	0.09	131.4	<0.001	3	0.21	0.013	0.23	27.6	0.5	0.08	0.52	<5	0.4	0.09	0.9	0.31	<0.1
1390129	Drill Core	0.028	9.3	3.9	0.12	48.5	0.001	2	0.23	0.024	0.21	3.5	0.8	0.07	0.69	<5	0.6	0.12	1.0	0.43	<0.1
1390130	Drill Core	0.025	6.7	3.0	0.13	50.7	0.001	2	0.28	0.021	0.24	>100	0.5	0.09	1.09	<5	1.0	0.35	1.2	0.34	<0.1
1390131	Drill Core	0.025	10.0	3.8	0.13	64.8	0.002	2	0.33	0.025	0.21	9.9	1.2	0.08	0.60	<5	0.6	0.09	1.3	0.48	<0.1
1390132	Drill Core	0.022	8.6	2.8	0.09	69.4	0.004	2	0.26	0.027	0.24	19.5	0.8	0.08	0.81	<5	0.6	0.06	1.1	0.39	<0.1
1390133	Drill Core	0.025	8.8	4.3	0.09	49.6	0.006	2	0.26	0.028	0.21	>100	0.6	0.07	0.85	<5	0.6	0.07	1.1	0.38	<0.1
1390134	Drill Core	0.018	8.5	2.6	0.09	53.6	0.005	1	0.25	0.027	0.23	1.3	0.5	0.10	0.62	<5	0.5	0.22	1.1	0.53	<0.1
1390135	Drill Core	0.003	8.5	3.2	0.07	24.1	0.001	<1	0.23	0.024	0.18	1.1	0.3	0.05	0.33	<5	0.3	0.07	1.3	0.28	<0.1
1390136	Drill Core	0.025	9.5	2.0	0.11	41.1	0.003	3	0.31	0.034	0.23	6.1	0.6	0.08	0.52	<5	0.4	0.10	1.6	0.38	<0.1

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Project: Stewart
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CERTIFICATE OF ANALYSIS VAN11004871.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1390107	Drill Core	0.03	0.02	11.0	0.3	<0.05	0.9	3.96	11.5	<0.02	644	0.3	2.0	*	<2
1390108	Drill Core	0.05	0.15	7.3	0.1	<0.05	1.1	3.86	17.8	<0.02	5	0.2	2.0	<10	<2
1390109	Drill Core	0.09	0.48	10.4	0.3	<0.05	1.6	4.65	21.7	0.07	46	0.1	3.2	30	<2
1390110	Drill Core	0.09	0.13	14.3	0.4	<0.05	1.6	5.19	24.3	<0.02	181	<0.1	3.9	*	<2
1390111	Drill Core	0.07	0.23	14.6	0.2	<0.05	1.5	5.44	22.6	<0.02	224	0.1	4.3	*	<2
1390112	Drill Core	0.09	0.57	8.4	0.3	<0.05	1.6	4.29	18.9	<0.02	281	0.1	3.0	*	<2
1390113	Drill Core	0.06	0.32	13.2	0.6	<0.05	1.3	5.00	22.4	<0.02	112	0.2	3.2	*	<2
1390114	Drill Core	0.07	0.43	17.4	0.2	<0.05	1.3	5.97	29.7	<0.02	618	0.1	5.6	*	<2
1390115	Drill Core	0.15	1.17	24.3	0.5	<0.05	2.7	8.67	42.7	<0.02	187	0.3	10.1	*	<2
1390116	Drill Core	0.04	0.03	9.9	0.1	<0.05	0.8	6.99	23.2	<0.02	52	0.3	4.7	26	<2
1390117	Drill Core	0.09	0.36	15.2	0.3	<0.05	1.8	8.23	34.8	<0.02	88	0.4	6.4	33	<2
1390118	Drill Core	0.06	0.10	13.6	0.2	<0.05	1.2	5.66	26.5	<0.02	25	0.2	4.2	12	<2
1390119	Drill Core	0.05	0.02	11.6	0.1	<0.05	1.0	3.19	8.3	<0.02	187	0.1	1.7	*	<2
1390120	Drill Core	0.06	0.05	12.0	0.3	<0.05	1.1	4.54	15.0	<0.02	388	<0.1	3.1	*	<2
1390121	Rock	<0.02	0.02	0.6	<0.1	<0.05	<0.1	0.58	1.0	<0.02	<1	<0.1	0.3	<10	<2
1390122	Rock Pulp	0.24	0.09	3.6	1.7	<0.05	7.0	6.23	9.4	<0.02	312	0.3	8.1	*	<2
1390123	Drill Core	0.05	0.11	13.6	0.2	<0.05	1.3	5.79	23.0	<0.02	141	0.2	4.0	*	<2
1390124	Drill Core	0.06	0.17	11.2	0.2	<0.05	1.4	4.30	19.8	<0.02	397	<0.1	2.5	*	<2
1390125	Drill Core	0.07	0.18	15.2	0.2	<0.05	1.3	4.52	23.5	<0.02	293	0.2	4.7	*	<2
1390126	Drill Core	0.06	0.07	10.6	0.1	<0.05	1.2	4.19	22.1	<0.02	213	0.1	1.7	*	<2
1390127	Drill Core	0.04	0.03	10.0	0.1	<0.05	0.9	5.00	17.3	<0.02	103	<0.1	1.8	*	<2
1390128	Drill Core	0.03	<0.02	10.2	0.1	<0.05	0.9	2.62	9.1	<0.02	37	<0.1	1.3	21	<2
1390129	Drill Core	0.04	0.03	10.3	0.2	<0.05	0.9	3.85	16.2	<0.02	40	0.4	1.7	21	<2
1390130	Drill Core	0.04	0.03	11.3	0.1	<0.05	1.1	4.46	11.6	<0.02	12	0.1	2.9	<10	<2
1390131	Drill Core	0.05	0.03	10.3	0.2	<0.05	0.9	4.51	18.0	<0.02	20	0.2	3.8	<10	<2
1390132	Drill Core	0.05	0.11	11.3	0.2	<0.05	1.1	3.25	14.6	<0.02	3	0.1	1.8	<10	<2
1390133	Drill Core	0.06	0.08	10.6	0.2	<0.05	1.1	3.41	15.5	<0.02	2	0.2	2.3	<10	<2
1390134	Drill Core	0.05	0.11	11.8	0.2	<0.05	1.1	3.18	14.7	<0.02	161	0.2	3.1	*	<2
1390135	Drill Core	0.08	0.11	7.8	<0.1	<0.05	1.6	2.05	13.6	<0.02	45	0.2	2.6	36	<2
1390136	Drill Core	0.03	0.09	10.6	0.2	<0.05	0.9	3.94	17.5	<0.02	62	0.2	2.9	30	<2

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Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1390137	Drill Core	7.78	54.58	62.64	22.28	47.3	764	1.3	2.7	405	1.78	15.6	3.2	4.2	5.9	216.8	0.70	1.24	1.12	7	0.96
1390138	Drill Core	5.01	65.49	43.24	41.18	52.4	3537	1.7	2.5	768	1.50	36.5	2.3	4.7	5.0	306.4	0.63	0.79	11.03	9	1.85
1390139	Drill Core	2.94	52.00	63.06	22.04	65.6	397	1.7	3.9	595	2.21	14.8	2.6	4.1	5.4	271.6	0.47	0.42	1.32	29	1.99
1390140	Drill Core	7.82	31.29	57.74	68.21	362.6	710	1.6	3.6	545	2.08	13.4	2.9	4.4	5.1	253.8	2.26	0.60	1.45	30	1.78
1390141	Drill Core	7.79	33.43	39.53	5.12	74.9	125	1.1	2.3	369	1.53	4.1	2.4	0.9	3.9	198.2	1.67	0.27	1.28	20	1.32
1390142	Drill Core	3.74	9.68	76.68	6.23	22.1	171	3.5	7.1	378	2.40	21.5	4.9	0.6	6.2	235.3	0.30	0.40	2.06	11	1.62
1390143	Drill Core	3.90	36.87	33.45	6.03	13.0	93	1.6	2.0	360	1.52	2.9	3.6	1.3	5.9	201.3	0.10	0.13	0.72	24	1.27
1390144	Drill Core	3.14	40.40	42.55	6.78	13.7	105	1.8	2.7	361	1.62	1.8	3.6	0.7	6.0	241.4	0.10	0.15	3.41	16	1.44
1390145	Drill Core	4.53	116.2	121.9	40.59	74.2	3679	2.3	5.1	517	3.57	59.7	2.1	11.0	4.5	215.3	0.81	2.37	33.58	13	1.37
1390146	Rock	0.27	0.83	1.77	1.41	11.9	38	1.5	1.0	245	0.43	0.7	0.4	<0.2	0.2	47.9	0.09	0.04	0.02	<2	21.38
1390147	Rock Pulp	0.08	979.7	8664	41.52	151.8	3813	34.2	18.7	498	4.28	30.3	0.5	592.0	1.6	41.1	1.61	5.90	1.53	97	0.90
1390148	Drill Core	3.81	123.8	33.59	46.06	145.0	1098	1.4	2.9	998	2.14	15.7	2.4	19.1	4.0	324.3	1.24	0.81	4.44	5	1.73
1390149	Drill Core	3.85	205.9	37.94	90.05	108.4	1019	1.8	2.6	917	1.82	9.9	2.7	5.1	4.5	342.2	0.87	0.59	1.57	11	1.74
1390150	Drill Core	4.12	7.77	30.56	26.86	62.2	453	1.7	2.1	868	1.58	9.8	1.9	7.3	3.2	237.8	0.53	0.44	0.70	6	1.37
1390151	Drill Core	3.63	31.67	54.44	38.75	66.0	588	1.5	2.9	566	1.92	10.7	1.8	12.4	3.4	288.0	0.48	0.64	0.80	8	1.71
1390152	Drill Core	3.58	12.44	28.00	57.74	884.0	454	1.6	1.7	825	1.36	11.4	2.8	5.6	4.3	316.9	5.97	0.37	0.69	7	2.24
1390153	Drill Core	4.22	20.46	42.83	12.42	36.8	341	1.1	2.4	512	1.66	25.1	2.0	5.5	4.1	272.5	0.40	0.46	0.94	10	1.77
1390154	Drill Core	3.68	28.73	59.42	39.28	90.3	1548	1.6	3.0	690	2.14	22.2	2.6	30.7	5.4	228.4	1.04	0.52	12.82	10	1.40
1390155	Drill Core	3.89	8.47	63.60	49.68	67.0	2388	2.1	3.2	581	2.42	21.5	1.7	117.9	3.2	250.9	0.88	0.72	9.90	5	1.20
1390156	Drill Core	4.12	8.34	65.21	160.4	153.4	9973	1.0	2.0	271	1.62	25.5	3.5	46.1	8.1	167.4	2.04	0.46	46.80	3	0.46
1390157	Drill Core	3.66	803.6	45.17	48.75	69.0	1443	1.2	1.7	654	1.48	16.3	2.8	16.3	5.1	242.7	1.27	0.34	3.38	7	1.12
1390158	Drill Core	4.22	22.71	48.98	43.22	88.4	2215	1.0	3.1	405	1.94	67.9	2.5	245.2	4.8	155.9	1.54	0.49	8.49	8	0.74
1390159	Drill Core	3.64	22.28	29.45	15.59	23.1	288	0.4	0.9	378	0.96	14.0	3.9	5.4	7.2	201.1	0.54	0.29	0.65	7	0.65
1390160	Drill Core	3.43	37.23	29.93	17.50	116.8	313	0.8	1.1	1090	1.02	20.1	3.8	2.6	7.0	326.0	3.43	0.27	0.58	5	1.26
1390161	Drill Core	3.89	127.5	21.85	24.10	19.5	316	1.5	1.3	995	1.05	14.7	5.5	1.7	7.4	370.9	0.48	0.26	0.75	6	1.10
1390162	Drill Core	3.69	40.24	13.90	13.71	28.2	176	0.9	0.8	796	0.83	3.5	3.3	<0.2	6.3	278.1	0.68	0.19	0.34	6	0.90
1390163	Drill Core	3.79	105.9	22.51	14.50	17.0	250	1.0	1.2	867	0.92	29.0	3.6	0.5	5.5	282.9	0.42	0.31	0.93	5	1.28
1390164	Drill Core	3.86	146.8	32.93	32.71	27.7	978	1.4	1.5	727	1.19	23.3	3.0	3.1	5.7	251.4	0.70	0.45	3.33	7	1.09
1390165	Drill Core	4.02	74.03	46.15	28.14	25.1	883	1.9	2.4	622	1.46	26.3	3.5	3.1	6.4	355.0	0.61	0.54	2.23	11	1.31
1390166	Drill Core	7.43	25.25	40.66	14.58	11.8	254	2.0	2.1	706	1.45	10.5	4.1	1.0	6.2	332.7	0.24	0.42	0.58	7	1.18

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Project: Stewart
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CERTIFICATE OF ANALYSIS VAN11004871.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1390137	Drill Core	0.023	10.3	3.3	0.11	69.0	0.004	2	0.27	0.023	0.22	>100	0.6	0.08	1.01	<5	0.8	0.10	1.1	0.39	<0.1
1390138	Drill Core	0.036	16.4	2.6	0.23	74.9	0.003	3	0.31	0.032	0.24	17.0	1.2	0.09	0.65	<5	0.7	0.33	1.3	0.52	<0.1
1390139	Drill Core	0.048	24.3	4.0	0.29	37.0	0.019	2	0.37	0.043	0.18	29.9	1.5	0.09	1.00	<5	0.9	0.14	2.0	1.02	<0.1
1390140	Drill Core	0.047	24.2	2.1	0.25	44.9	0.025	1	0.39	0.052	0.20	3.5	1.2	0.09	1.01	<5	1.1	0.14	2.1	1.02	<0.1
1390141	Drill Core	0.034	15.2	3.4	0.16	36.7	0.021	<1	0.29	0.047	0.17	28.8	0.7	0.08	0.70	<5	0.6	0.10	1.6	0.65	<0.1
1390142	Drill Core	0.030	14.5	5.1	0.17	36.7	0.008	2	0.27	0.038	0.18	>100	0.8	0.09	1.34	<5	1.4	0.14	1.4	0.67	<0.1
1390143	Drill Core	0.038	17.2	5.0	0.19	39.4	0.031	1	0.30	0.046	0.17	20.5	0.8	0.08	0.64	<5	0.7	0.11	1.6	0.70	<0.1
1390144	Drill Core	0.033	12.3	3.9	0.18	39.2	0.020	1	0.28	0.043	0.20	1.1	0.8	0.09	0.79	<5	0.8	0.06	1.5	0.84	<0.1
1390145	Drill Core	0.038	13.7	5.2	0.19	33.7	0.004	1	0.27	0.023	0.16	10.5	0.8	0.06	1.99	<5	1.9	1.92	1.4	0.55	<0.1
1390146	Rock	0.020	0.7	1.0	12.45	38.0	<0.001	<1	0.02	0.002	0.01	0.3	0.2	<0.02	<0.02	<5	0.2	<0.02	<0.1	0.09	<0.1
1390147	Rock Pulp	0.083	6.7	59.0	0.99	66.3	0.124	4	1.64	0.101	0.54	14.1	6.6	0.39	1.97	99	4.9	0.58	5.5	2.13	0.1
1390148	Drill Core	0.037	5.7	3.1	0.23	54.1	0.001	2	0.29	0.020	0.22	>100	0.3	0.09	1.06	<5	0.8	0.30	1.2	0.52	<0.1
1390149	Drill Core	0.038	8.4	2.0	0.22	52.4	0.005	2	0.30	0.028	0.21	4.6	1.0	0.08	0.88	<5	0.7	0.12	1.3	0.49	<0.1
1390150	Drill Core	0.026	6.2	5.2	0.17	35.1	0.003	2	0.21	0.021	0.17	1.8	0.7	0.07	0.65	<5	0.6	0.06	0.9	0.34	<0.1
1390151	Drill Core	0.036	11.2	2.5	0.21	61.6	0.002	2	0.32	0.034	0.19	1.5	1.2	0.06	0.98	<5	0.8	0.08	1.3	0.53	<0.1
1390152	Drill Core	0.034	10.0	5.0	0.16	24.8	0.002	2	0.25	0.016	0.15	0.9	1.0	0.05	0.56	9	0.6	0.07	1.0	0.59	<0.1
1390153	Drill Core	0.040	15.7	2.3	0.18	88.3	0.003	2	0.38	0.044	0.20	21.6	0.9	0.07	0.76	<5	0.6	0.06	1.8	0.61	<0.1
1390154	Drill Core	0.049	15.1	4.3	0.22	54.0	0.002	2	0.35	0.022	0.17	9.3	1.1	0.07	1.08	<5	1.0	0.51	1.5	0.44	<0.1
1390155	Drill Core	0.036	5.8	3.3	0.16	38.6	<0.001	3	0.38	0.018	0.22	2.4	0.8	0.08	1.49	<5	1.2	0.60	1.4	0.50	<0.1
1390156	Drill Core	0.009	4.6	2.9	0.09	37.8	<0.001	2	0.35	0.007	0.21	0.6	0.4	0.08	0.87	<5	1.0	1.70	1.2	0.55	<0.1
1390157	Drill Core	0.029	6.2	3.5	0.11	58.2	0.002	2	0.32	0.022	0.20	1.6	0.7	0.07	0.77	<5	0.7	0.20	1.4	0.37	<0.1
1390158	Drill Core	0.032	6.8	5.1	0.08	60.8	0.004	1	0.24	0.018	0.15	0.5	0.5	0.05	1.27	<5	0.8	0.52	1.1	0.31	<0.1
1390159	Drill Core	0.036	11.5	2.8	0.09	69.2	0.006	2	0.23	0.011	0.21	0.5	0.6	0.08	0.43	<5	0.2	0.06	0.9	0.26	<0.1
1390160	Drill Core	0.026	8.4	4.1	0.21	68.0	0.001	2	0.22	0.011	0.17	74.6	0.8	0.06	0.39	10	0.3	0.04	0.9	0.25	<0.1
1390161	Drill Core	0.027	9.8	2.1	0.19	140.8	0.002	3	0.31	0.021	0.26	65.6	0.9	0.09	0.42	5	0.3	0.08	1.2	0.33	<0.1
1390162	Drill Core	0.024	10.4	4.6	0.15	73.7	0.003	<1	0.24	0.016	0.20	>100	0.7	0.08	0.21	*	0.2	0.04	0.9	0.35	<0.1
1390163	Drill Core	0.031	12.4	2.1	0.17	85.0	0.002	2	0.31	0.027	0.26	36.5	0.8	0.09	0.35	<5	0.3	0.04	1.2	0.41	<0.1
1390164	Drill Core	0.031	10.3	3.5	0.16	74.0	0.002	2	0.30	0.024	0.25	18.1	0.8	0.10	0.50	<5	0.5	0.14	1.3	0.47	<0.1
1390165	Drill Core	0.032	11.8	2.1	0.15	84.5	0.008	1	0.37	0.035	0.25	8.3	0.8	0.10	0.76	<5	0.7	0.17	1.4	0.52	<0.1
1390166	Drill Core	0.027	11.1	2.3	0.15	76.2	0.003	<1	0.29	0.021	0.21	45.3	0.8	0.08	0.72	<5	0.6	0.07	1.3	0.37	<0.1

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CERTIFICATE OF ANALYSIS VAN11004871.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1390137	Drill Core	0.05	0.09	11.1	0.2	<0.05	1.1	4.35	19.1	<0.02	21	<0.1	3.3	13	<2
1390138	Drill Core	0.05	0.08	12.7	0.1	<0.05	1.0	5.77	27.7	<0.02	34	0.2	3.8	12	<2
1390139	Drill Core	0.09	0.46	12.3	0.2	<0.05	1.5	9.75	44.4	<0.02	22	0.5	5.8	15	<2
1390140	Drill Core	0.07	0.53	12.7	0.3	<0.05	1.4	11.22	46.9	<0.02	15	0.7	5.9	<10	<2
1390141	Drill Core	0.08	0.49	12.0	0.2	<0.05	1.4	5.30	27.9	<0.02	15	0.2	4.7	<10	<2
1390142	Drill Core	0.07	0.02	12.8	0.2	<0.05	1.4	5.75	25.6	<0.02	3	0.2	4.1	<10	<2
1390143	Drill Core	0.09	0.76	11.9	0.3	<0.05	1.7	6.30	31.2	<0.02	22	0.1	4.7	<10	<2
1390144	Drill Core	0.08	0.54	14.5	0.2	<0.05	1.5	5.57	23.7	<0.02	22	0.1	5.1	<10	<2
1390145	Drill Core	0.04	0.14	10.0	0.3	<0.05	0.9	6.63	26.8	<0.02	57	0.2	3.9	<10	<2
1390146	Rock	<0.02	<0.02	0.6	<0.1	<0.05	<0.1	0.81	1.5	<0.02	<1	<0.1	0.8	<10	<2
1390147	Rock Pulp	0.13	0.07	27.3	1.6	<0.05	4.3	9.27	14.7	0.09	874	0.3	8.3	<10	2
1390148	Drill Core	0.03	<0.02	13.4	0.3	<0.05	0.9	6.42	11.7	<0.02	52	0.3	3.3	<10	<2
1390149	Drill Core	0.05	0.10	10.5	0.2	<0.05	1.1	5.23	16.4	<0.02	95	0.3	3.4	<10	<2
1390150	Drill Core	0.03	0.07	8.6	0.2	<0.05	0.7	3.90	12.0	0.02	4	0.2	2.0	<10	<2
1390151	Drill Core	0.04	0.03	9.1	0.2	<0.05	0.8	5.05	21.2	<0.02	17	0.3	3.4	<10	<2
1390152	Drill Core	0.02	0.04	7.8	3.1	<0.05	0.6	6.50	20.1	<0.02	6	0.2	3.0	<10	<2
1390153	Drill Core	0.04	0.04	10.6	0.1	<0.05	0.7	6.66	30.6	<0.02	8	0.3	5.3	<10	<2
1390154	Drill Core	0.04	0.05	9.9	0.2	<0.05	0.8	5.87	28.8	<0.02	9	0.2	5.8	<10	<2
1390155	Drill Core	0.03	<0.02	11.0	0.2	<0.05	0.7	3.57	13.2	<0.02	6	0.3	4.2	<10	<2
1390156	Drill Core	0.03	<0.02	10.1	0.2	<0.05	0.7	2.06	9.2	<0.02	4	0.3	5.2	<10	<2
1390157	Drill Core	0.03	0.03	9.8	0.2	<0.05	0.7	4.22	12.8	<0.02	362	0.3	4.2	<10	<2
1390158	Drill Core	0.03	0.08	8.3	1.0	<0.05	0.7	3.09	13.3	<0.02	<1	0.1	2.8	<10	<2
1390159	Drill Core	0.04	0.11	9.6	0.4	<0.05	0.6	3.68	21.6	<0.02	17	0.1	2.7	<10	<2
1390160	Drill Core	0.02	0.03	9.8	0.2	<0.05	0.7	4.84	13.7	0.02	20	0.1	2.5	<10	<2
1390161	Drill Core	0.04	0.02	13.4	3.4	<0.05	0.8	3.74	15.8	<0.02	57	0.2	3.3	20	<2
1390162	Drill Core	0.04	0.02	11.5	0.2	<0.05	0.7	3.51	16.5	<0.02	21	0.1	2.6	<10	<2
1390163	Drill Core	0.03	0.04	14.9	0.2	<0.05	0.7	3.84	18.9	<0.02	49	0.3	3.3	20	<2
1390164	Drill Core	0.04	0.05	14.3	0.2	<0.05	0.8	3.49	17.0	<0.02	58	<0.1	3.5	28	<2
1390165	Drill Core	0.05	0.14	14.5	0.2	<0.05	1.0	4.49	19.4	<0.02	29	0.1	4.2	13	<2
1390166	Drill Core	0.03	0.07	11.9	0.2	<0.05	0.9	3.75	18.0	<0.02	15	0.2	4.2	<10	<2

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CERTIFICATE OF ANALYSIS VAN11004871.1

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1390167	Drill Core	8.04	93.21	42.93	27.76	19.2	700	1.5	1.7	599	1.27	20.9	3.4	20.1	5.8	597.0	0.45	1.27	1.17	7	1.20
1390168	Drill Core	8.13	45.60	46.00	15.49	29.8	344	1.5	2.4	650	1.53	26.6	3.3	8.0	5.6	410.8	0.45	2.21	1.37	13	1.33
1390169	Drill Core	7.74	56.29	56.61	38.97	67.2	929	2.5	2.6	823	1.64	17.7	3.0	91.8	5.6	476.8	0.78	1.47	4.66	5	1.40
1390170	Drill Core	3.90	169.7	76.32	106.4	183.0	2114	2.0	3.1	777	1.81	6.2	2.7	11.9	4.8	268.8	1.66	0.72	3.49	8	1.29
1390171	Rock	0.23	0.64	0.87	1.03	13.1	13	2.2	0.5	245	0.43	0.2	0.7	0.9	<0.1	43.6	0.06	0.04	0.03	<2	19.47
1390172	Rock Pulp	0.08	368.0	3460	24.51	57.0	1997	32.7	8.9	459	3.22	13.3	0.4	814.1	1.2	37.6	0.47	3.73	0.56	54	0.74
1390173	Drill Core	3.92	21.02	19.04	212.2	818.9	671	1.0	1.0	598	1.02	4.8	2.5	2.3	5.3	359.9	6.67	0.66	0.85	5	1.45
1390174	Drill Core	8.02	38.10	33.69	175.5	1268	1645	1.4	2.0	627	1.39	5.9	2.7	7.0	5.4	296.7	9.85	0.74	4.50	13	1.24
1390175	Drill Core	7.95	35.72	75.84	40.49	471.8	1979	1.7	2.4	810	1.83	66.2	2.7	8.4	5.3	258.7	13.89	0.86	6.14	8	0.83
1390176	Drill Core	7.84	17.84	41.64	31.32	100.2	1341	1.2	1.6	659	1.34	15.5	3.2	6.7	5.9	265.0	2.87	0.72	6.15	7	0.67
1390177	Drill Core	7.56	58.57	39.50	21.55	44.1	610	1.5	2.1	604	1.48	23.3	3.0	1.9	5.6	311.5	1.11	0.79	1.28	8	0.80
1390178	Drill Core	3.83	146.6	71.29	24.74	69.5	1063	2.5	2.7	908	1.79	19.2	4.3	4.5	6.4	360.8	2.01	1.60	2.13	6	0.97
1390179	Drill Core	4.08	45.80	51.53	353.2	36.8	24432	2.6	2.3	1128	1.77	22.6	3.3	28.0	5.5	393.0	1.47	34.80	122.9	8	1.11
1390180	Drill Core	3.81	44.58	32.12	25.27	34.0	709	1.8	1.5	1276	1.28	5.3	3.0	0.4	5.6	311.9	0.97	0.50	1.65	7	0.97
1390181	Drill Core	3.60	84.21	81.57	13.92	29.6	1560	1.7	1.5	1562	1.28	15.9	3.5	2.1	6.4	320.5	0.82	5.26	1.23	14	1.41
1390182	Drill Core	3.73	268.1	53.79	21.62	90.2	1069	5.2	2.7	1206	1.85	11.3	3.8	4.1	6.2	276.4	2.51	1.34	3.86	20	1.54
1390183	Drill Core	3.66	62.54	36.58	11.96	22.5	339	4.6	2.1	770	1.38	19.7	4.2	2.0	6.5	250.9	0.53	0.75	1.60	12	1.60
1390184	Drill Core	3.71	58.21	55.28	34.51	38.0	2218	4.1	3.6	800	1.81	30.4	3.8	145.5	5.2	272.2	1.01	1.58	14.78	10	1.29
1390185	Drill Core	3.97	31.10	28.79	11.06	22.4	314	3.1	1.8	604	1.33	9.2	5.4	9.3	8.3	240.2	0.39	0.49	0.86	15	1.14
1390186	Drill Core	3.63	108.9	59.90	22.62	515.4	1040	4.9	3.6	684	1.96	32.0	3.4	38.2	5.0	248.2	13.91	1.37	3.44	10	1.52
1390187	Drill Core	4.14	92.55	73.86	89.30	966.4	3053	3.3	3.4	1161	2.27	47.8	3.3	82.1	4.4	288.5	23.22	0.80	13.49	3	1.45
1390188	Drill Core	7.45	24.11	32.69	3.24	88.3	127	1.0	1.4	569	1.57	2.6	3.0	3.6	4.7	79.3	1.58	0.21	0.28	53	0.89
1390189	Drill Core	7.45	5.40	34.81	3.53	173.1	113	0.9	1.9	669	1.92	1.2	2.4	1.7	4.3	118.4	3.05	0.15	0.25	66	1.20
1390190	Drill Core	7.54	17.12	21.73	3.87	80.2	63	0.9	1.4	686	1.37	0.8	2.5	<0.2	4.2	150.3	1.18	0.15	0.15	45	1.33
1390191	Drill Core	7.54	21.54	28.56	3.85	79.0	89	0.9	1.2	487	1.43	1.4	3.8	<0.2	8.6	89.7	1.30	0.11	0.19	37	0.81
1390192	Drill Core	8.12	2.42	3.45	4.70	36.3	35	0.7	0.4	286	0.49	0.5	4.7	<0.2	23.6	25.0	0.57	0.08	0.03	3	0.03
1390193	Drill Core	7.72	17.79	18.75	3.61	47.6	120	0.9	1.5	592	1.47	1.3	5.1	<0.2	5.7	73.3	0.71	0.14	0.97	55	0.87
1390194	Drill Core	7.81	26.05	24.81	3.26	34.4	93	0.9	1.3	454	1.51	1.1	2.4	1.0	4.1	85.4	0.48	0.12	0.15	48	0.85
1390195	Rock	0.21	0.20	0.78	1.05	17.6	2	1.9	0.8	249	0.42	0.2	0.6	0.4	0.1	39.5	0.09	0.04	0.02	<2	21.50
1390196	Rock Pulp	0.08	1082	8866	43.38	165.8	3819	36.4	19.8	535	4.41	34.0	0.5	703.9	1.4	43.7	1.90	6.31	1.40	101	0.99

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Project: Stewart
Report Date: November 08, 2011

CERTIFICATE OF ANALYSIS VAN11004871.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1390167	Drill Core	0.028	8.8	2.5	0.13	133.5	0.002	2	0.31	0.021	0.28	73.6	0.8	0.11	0.65	<5	0.4	0.09	1.2	0.44	<0.1
1390168	Drill Core	0.034	11.1	3.0	0.18	55.6	0.009	2	0.28	0.030	0.20	83.6	1.0	0.09	0.65	<5	0.6	0.14	1.3	0.68	<0.1
1390169	Drill Core	0.029	9.9	2.3	0.15	147.9	0.001	2	0.32	0.019	0.26	26.7	0.8	0.11	0.91	<5	0.8	0.43	1.2	0.50	<0.1
1390170	Drill Core	0.030	9.3	3.8	0.16	43.9	0.003	2	0.27	0.021	0.20	15.8	0.9	0.08	0.90	<5	0.9	0.16	1.0	0.45	<0.1
1390171	Rock	0.017	<0.5	<0.5	13.00	16.5	<0.001	<1	0.02	0.002	<0.01	0.1	<0.1	<0.02	<0.02	<5	0.1	<0.02	<0.1	0.08	<0.1
1390172	Rock Pulp	0.051	5.9	33.6	0.64	126.8	0.123	4	1.29	0.086	0.11	0.8	4.0	0.08	0.40	90	1.1	0.14	4.7	0.40	<0.1
1390173	Drill Core	0.030	9.8	3.5	0.11	70.5	0.002	2	0.30	0.017	0.22	57.5	0.7	0.09	0.45	9	0.4	0.04	1.2	0.43	<0.1
1390174	Drill Core	0.031	11.9	2.4	0.14	73.9	0.008	2	0.37	0.034	0.23	7.0	0.9	0.08	0.71	7	0.6	1.01	1.6	0.53	<0.1
1390175	Drill Core	0.032	7.6	3.8	0.16	81.3	0.003	2	0.29	0.019	0.23	4.5	0.8	0.08	0.91	<5	0.7	0.27	1.3	0.38	<0.1
1390176	Drill Core	0.026	9.3	3.0	0.14	76.8	0.003	2	0.26	0.022	0.26	60.1	0.7	0.08	0.60	<5	0.5	0.40	1.0	0.35	<0.1
1390177	Drill Core	0.031	9.5	3.6	0.14	63.5	0.004	2	0.26	0.022	0.21	11.2	0.7	0.08	0.71	<5	0.6	0.13	1.0	0.39	<0.1
1390178	Drill Core	0.031	7.6	2.5	0.18	81.7	0.002	2	0.27	0.022	0.28	>100	0.8	0.10	0.96	<5	0.6	0.22	1.1	0.37	<0.1
1390179	Drill Core	0.029	8.7	3.7	0.22	75.1	0.003	2	0.25	0.021	0.24	85.2	1.0	0.10	0.97	<5	1.6	5.77	1.0	0.40	<0.1
1390180	Drill Core	0.033	8.5	5.0	0.23	64.7	0.003	<1	0.21	0.014	0.22	0.7	1.2	0.07	0.49	<5	0.3	0.12	0.9	0.33	<0.1
1390181	Drill Core	0.034	12.3	4.0	0.32	73.3	0.007	1	0.28	0.020	0.24	28.4	1.5	0.09	0.43	<5	0.3	0.14	1.1	0.49	<0.1
1390182	Drill Core	0.043	13.9	4.0	0.34	56.2	0.018	1	0.37	0.025	0.29	12.6	1.9	0.13	0.86	<5	0.7	0.28	1.6	0.85	<0.1
1390183	Drill Core	0.037	12.0	5.5	0.25	55.5	0.005	1	0.32	0.025	0.23	49.9	1.4	0.11	0.61	<5	0.6	0.13	1.4	0.62	<0.1
1390184	Drill Core	0.030	8.8	4.2	0.20	67.8	0.004	2	0.35	0.023	0.25	47.5	1.1	0.10	0.99	<5	0.8	0.91	1.3	0.56	<0.1
1390185	Drill Core	0.029	12.3	4.5	0.19	62.0	0.018	2	0.35	0.035	0.18	13.3	1.0	0.07	0.46	<5	0.4	0.11	1.5	0.39	<0.1
1390186	Drill Core	0.036	11.9	2.8	0.24	79.0	0.002	3	0.40	0.030	0.23	9.9	1.3	0.07	1.07	<5	0.9	0.26	1.6	0.57	<0.1
1390187	Drill Core	0.036	6.8	3.3	0.24	81.6	<0.001	5	0.30	0.006	0.23	51.0	1.2	0.12	1.38	<5	1.0	0.86	0.9	1.01	<0.1
1390188	Drill Core	0.045	18.7	2.9	0.12	48.6	0.085	2	0.36	0.069	0.09	5.4	0.6	<0.02	0.45	<5	0.5	0.05	2.3	0.28	<0.1
1390189	Drill Core	0.056	20.8	3.9	0.17	38.2	0.092	2	0.39	0.053	0.07	42.2	1.0	<0.02	0.58	<5	0.4	0.05	2.8	0.30	0.2
1390190	Drill Core	0.039	19.1	2.3	0.16	56.6	0.077	<1	0.41	0.070	0.11	1.5	0.8	<0.02	0.38	<5	0.4	<0.02	2.7	0.37	<0.1
1390191	Drill Core	0.034	16.5	2.1	0.10	30.4	0.054	1	0.27	0.044	0.08	5.6	0.5	<0.02	0.41	<5	0.6	<0.02	1.8	0.27	<0.1
1390192	Drill Core	0.003	10.9	2.0	0.05	40.4	<0.001	<1	0.24	0.035	0.15	0.3	0.2	0.03	<0.02	<5	<0.1	<0.02	1.3	0.29	<0.1
1390193	Drill Core	0.045	17.3	4.4	0.09	42.4	0.081	<1	0.30	0.049	0.07	0.1	0.4	<0.02	0.40	<5	0.4	0.03	1.9	0.27	<0.1
1390194	Drill Core	0.054	12.9	3.0	0.09	58.0	0.079	1	0.32	0.123	0.13	0.7	0.5	<0.02	0.45	11	0.4	0.04	2.0	0.25	0.1
1390195	Rock	0.025	<0.5	0.7	12.54	23.5	0.001	1	0.03	0.003	0.02	<0.1	<0.1	<0.02	<0.02	12	0.3	0.02	<0.1	0.09	<0.1
1390196	Rock Pulp	0.089	7.4	60.0	1.05	73.3	0.137	5	1.78	0.122	0.57	14.7	7.9	0.42	2.02	121	4.8	0.67	5.9	2.23	0.1

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CERTIFICATE OF ANALYSIS VAN11004871.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1390167	Drill Core	0.03	0.04	14.4	0.3	<0.05	0.8	3.21	15.0	<0.02	52	0.1	3.0	14	<2
1390168	Drill Core	0.06	0.22	13.1	0.5	<0.05	1.2	4.82	19.3	<0.02	27	0.3	4.6	<10	<2
1390169	Drill Core	0.04	<0.02	13.5	0.2	<0.05	0.8	3.97	15.6	<0.02	24	0.2	3.2	<10	<2
1390170	Drill Core	0.03	0.07	10.1	0.7	<0.05	0.8	4.33	15.0	<0.02	64	0.3	3.0	18	<2
1390171	Rock	<0.02	0.03	0.6	<0.1	<0.05	<0.1	0.70	0.9	<0.02	<1	<0.1	0.7	<10	<2
1390172	Rock Pulp	0.28	0.13	4.7	2.1	<0.05	7.9	7.92	11.4	<0.02	333	0.2	8.0	*	<2
1390173	Drill Core	0.03	<0.02	13.0	0.2	<0.05	0.7	3.77	15.6	<0.02	9	0.3	3.4	<10	<2
1390174	Drill Core	0.06	0.12	12.3	0.2	<0.05	1.0	4.75	19.1	<0.02	12	0.3	3.8	<10	<2
1390175	Drill Core	0.05	0.06	13.0	0.2	<0.05	0.9	3.62	12.3	0.10	13	0.2	3.5	<10	<2
1390176	Drill Core	0.06	0.07	13.0	0.2	<0.05	1.1	3.32	15.0	0.02	11	0.1	2.1	<10	<2
1390177	Drill Core	0.04	0.08	11.3	0.3	<0.05	0.9	3.37	15.0	<0.02	27	<0.1	3.2	<10	<2
1390178	Drill Core	0.05	0.02	15.2	0.2	<0.05	1.0	3.35	12.5	<0.02	65	0.1	3.1	10	<2
1390179	Drill Core	0.07	0.05	13.0	4.8	<0.05	1.4	4.05	13.6	<0.02	23	0.2	3.2	<10	<2
1390180	Drill Core	0.05	0.04	11.9	0.1	<0.05	0.9	4.05	13.6	<0.02	15	0.1	2.8	<10	<2
1390181	Drill Core	0.06	0.11	14.1	0.2	<0.05	1.4	5.30	19.3	0.03	45	0.1	4.3	11	<2
1390182	Drill Core	0.09	0.38	20.6	0.3	<0.05	2.0	5.40	21.3	<0.02	108	0.2	8.6	*	<2
1390183	Drill Core	0.07	0.11	16.2	0.2	<0.05	1.6	4.29	18.8	<0.02	36	0.2	6.7	<10	<2
1390184	Drill Core	0.05	0.07	16.1	1.1	<0.05	1.2	3.90	14.2	<0.02	31	0.2	4.8	<10	<2
1390185	Drill Core	0.09	0.36	10.0	0.3	<0.05	1.8	4.03	19.6	<0.02	14	0.4	5.5	<10	<2
1390186	Drill Core	0.04	0.03	12.4	0.1	<0.05	0.9	4.34	18.7	0.07	46	0.3	4.8	<10	<2
1390187	Drill Core	<0.02	<0.02	11.7	0.1	<0.05	0.7	4.71	11.1	0.20	39	0.5	2.9	<10	<2
1390188	Drill Core	0.19	1.56	3.0	0.5	<0.05	3.1	7.39	30.4	<0.02	4	0.3	4.8	<10	<2
1390189	Drill Core	0.20	1.66	2.2	0.6	<0.05	3.2	10.08	36.3	0.02	5	0.6	7.5	<10	<2
1390190	Drill Core	0.17	1.40	3.3	0.5	<0.05	2.8	8.83	31.5	0.03	13	0.6	6.8	<10	<2
1390191	Drill Core	0.17	1.35	3.1	0.4	<0.05	3.1	6.10	25.5	<0.02	11	0.2	5.2	<10	<2
1390192	Drill Core	0.18	0.07	4.9	<0.1	<0.05	3.9	1.90	14.0	<0.02	<1	0.3	2.0	<10	<2
1390193	Drill Core	0.21	2.15	2.3	0.6	<0.05	3.6	7.88	28.8	<0.02	16	0.4	5.0	<10	<2
1390194	Drill Core	0.20	1.90	2.3	0.5	<0.05	3.3	7.16	26.2	0.03	20	0.4	5.2	<10	<2
1390195	Rock	<0.02	0.05	0.6	<0.1	<0.05	<0.1	0.70	1.0	<0.02	2	<0.1	0.8	<10	<2
1390196	Rock Pulp	0.17	0.10	28.0	1.6	<0.05	5.4	10.00	15.9	<0.02	869	0.4	9.9	<10	<2

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CERTIFICATE OF ANALYSIS VAN11004871.1

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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
1390197	Drill Core	3.76	12.07	19.93	5.26	41.5	94	1.0	1.3	826	1.46	3.1	1.5	2.5	3.9	258.9	0.49	0.21	0.11	28	1.90
1390198	Drill Core	5.11	55.31	18.23	4.08	53.4	90	0.9	1.0	707	1.28	2.6	3.9	2.1	4.3	207.9	0.73	0.30	0.18	30	1.29
1390199	Drill Core	3.28	3.23	26.16	9.42	56.8	111	12.8	19.4	841	3.92	3.7	0.8	24.9	3.5	283.6	0.07	1.07	0.11	74	3.95
1390200	Drill Core	3.78	15.26	49.66	4.49	100.4	189	1.0	2.0	769	1.93	4.1	2.2	9.2	4.2	138.3	1.72	0.53	0.51	55	1.33

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Project: Stewart
Report Date: November 08, 2011

CERTIFICATE OF ANALYSIS VAN11004871.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
1390197	Drill Core	0.034	14.5	3.6	0.21	92.6	0.012	2	0.52	0.058	0.13	0.2	1.2	0.02	0.28	6	<0.1	0.05	2.9	0.74	<0.1
1390198	Drill Core	0.036	13.5	3.1	0.13	103.6	0.031	4	0.37	0.076	0.17	8.0	0.9	0.03	0.29	<5	0.5	0.07	1.9	0.67	0.1
1390199	Drill Core	0.332	17.8	57.8	2.26	141.4	0.051	3	1.11	0.045	0.48	0.3	10.7	0.17	0.82	14	0.2	0.05	3.7	4.89	0.1
1390200	Drill Core	0.054	18.7	3.4	0.18	57.0	0.066	4	0.44	0.090	0.16	13.1	1.0	0.05	0.74	<5	1.0	0.10	2.3	0.90	0.1

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CERTIFICATE OF ANALYSIS VAN11004871.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1390197	Drill Core	0.08	0.13	3.7	0.3	<0.05	1.4	7.61	27.0	0.02	4	0.8	9.3	<10	<2
1390198	Drill Core	0.14	0.66	5.3	0.4	<0.05	2.3	6.87	25.3	0.02	20	0.5	3.7	13	<2
1390199	Drill Core	0.14	0.04	24.2	0.5	<0.05	5.6	8.73	42.7	0.04	4	1.6	22.9	<10	<2
1390200	Drill Core	0.19	1.25	5.3	0.5	<0.05	2.9	8.28	34.0	0.03	14	0.6	4.8	<10	<2

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QUALITY CONTROL REPORT VAN11004871.1

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
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																					
1389995	Drill Core	6.32	52.58	45.64	12.80	218.8	381	1.1	2.2	806	1.69	11.0	2.3	5.2	4.2	298.9	3.73	0.64	0.49	13	1.72
REP 1389995	QC		52.31	45.49	12.63	220.8	373	0.7	2.0	796	1.68	10.8	2.3	8.7	4.2	292.0	3.71	0.65	0.48	12	1.70
1390026	Drill Core	5.10	94.34	59.84	3.65	28.9	168	1.2	2.5	567	2.21	0.3	1.6	4.8	3.5	177.8	0.32	0.10	0.96	48	1.29
REP 1390026	QC		87.95	57.13	3.66	26.6	150	1.0	2.4	529	2.08	0.2	1.5	6.0	3.5	166.9	0.32	0.09	0.81	45	1.20
1390032	Rock	0.22	0.03	2.11	1.31	8.4	3	1.5	0.4	182	0.42	<0.1	0.4	0.7	<0.1	36.4	0.05	<0.02	0.03	<2	16.23
REP 1390032	QC		1.36	4.98	1.36	9.0	4	2.0	0.4	186	0.43	0.1	0.4	1.1	<0.1	38.1	0.05	<0.02	0.02	<2	16.24
1390047	Drill Core	7.50	25.97	30.19	5.55	17.0	115	1.4	2.0	503	1.47	7.9	3.3	3.2	6.1	236.5	0.12	0.24	0.52	22	1.07
REP 1390047	QC		23.79	27.17	4.95	16.6	102	1.2	1.8	459	1.35	6.9	3.2	3.1	5.6	212.5	0.12	0.23	0.45	21	0.98
1390064	Drill Core	5.52	938.4	63.78	23.93	36.1	899	2.6	3.0	840	2.13	8.3	3.1	7.5	5.2	239.6	0.10	0.43	2.16	10	0.98
REP 1390064	QC		981.0	67.96	25.52	38.4	948	2.8	3.2	907	2.26	8.5	3.2	8.1	5.5	246.2	0.04	0.47	2.18	10	1.04
1390082	Drill Core	7.92	22.50	25.97	2.24	66.6	81	1.1	1.2	388	1.25	0.5	2.5	0.4	4.9	56.4	1.17	0.04	0.17	40	0.56
REP 1390082	QC		22.61	26.13	2.49	65.1	77	1.2	1.3	387	1.27	0.4	2.5	0.6	5.0	56.7	1.11	0.05	0.15	40	0.57
1390097	Drill Core	6.21	99.02	80.84	11.89	13.0	467	2.6	5.0	581	2.15	58.7	1.5	19.1	3.5	270.6	0.17	1.74	3.67	8	1.70
REP 1390097	QC		105.1	86.29	12.26	14.6	502	2.6	5.3	628	2.33	63.0	1.6	18.6	3.6	299.5	0.15	1.89	3.78	8	1.86
1390120	Drill Core	3.40	796.7	67.87	18.79	31.2	704	2.5	3.6	935	2.03	7.9	4.2	7.4	6.8	207.4	1.48	0.41	1.84	5	1.26
REP 1390120	QC		798.0	69.42	19.21	34.1	723	2.6	3.9	967	2.05	8.0	4.4	6.4	7.2	213.3	1.38	0.41	1.94	5	1.27
1390137	Drill Core	7.78	54.58	62.64	22.28	47.3	764	1.3	2.7	405	1.78	15.6	3.2	4.2	5.9	216.8	0.70	1.24	1.12	7	0.96
REP 1390137	QC		53.15	59.82	22.47	47.9	717	1.3	2.8	387	1.74	15.2	3.2	3.9	5.8	211.1	0.67	1.19	1.12	6	0.94
REP 1390150	QC		7.33	30.45	27.19	59.7	441	1.6	2.1	869	1.57	9.7	1.9	13.5	3.2	236.6	0.55	0.44	0.66	6	1.37
1390165	Drill Core	4.02	74.03	46.15	28.14	25.1	883	1.9	2.4	622	1.46	26.3	3.5	3.1	6.4	355.0	0.61	0.54	2.23	11	1.31
REP 1390165	QC		73.56	46.36	28.80	25.1	920	2.2	2.4	634	1.44	26.1	3.5	4.1	6.3	341.3	0.63	0.53	2.28	11	1.31
1390183	Drill Core	3.66	62.54	36.58	11.96	22.5	339	4.6	2.1	770	1.38	19.7	4.2	2.0	6.5	250.9	0.53	0.75	1.60	12	1.60
REP 1390183	QC		62.43	38.17	12.32	22.6	350	4.5	2.2	742	1.40	20.2	4.3	1.9	6.5	258.6	0.52	0.77	1.73	12	1.61
Core Reject Duplicates																					
1390045	Drill Core	4.04	24.90	82.25	68.48	180.5	2821	1.2	2.5	595	2.17	33.6	1.6	70.3	3.7	433.8	1.88	0.70	15.64	6	1.77
DUP 1390045	QC		23.99	77.63	68.11	156.5	2947	1.2	2.5	571	2.14	32.7	1.6	89.3	3.6	392.4	1.75	0.73	17.13	6	1.71
1390080	Drill Core	4.35	6.47	29.63	2.24	43.5	103	1.0	1.3	396	1.53	0.2	2.9	1.1	4.8	47.7	0.60	0.04	0.30	49	0.57
DUP 1390080	QC		6.73	28.61	2.24	50.1	97	1.3	1.4	414	1.60	0.2	3.1	1.0	4.9	49.1	0.72	0.04	0.31	52	0.59

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QUALITY CONTROL REPORT VAN11004871.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	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	0.02	0.1
Pulp Duplicates																					
1389995	Drill Core	0.036	14.2	4.4	0.14	58.1	0.003	3	0.40	0.042	0.17	49.0	0.7	0.05	0.64	<5	0.7	<0.02	1.6	0.95	<0.1
REP 1389995	QC	0.035	14.2	4.3	0.14	57.1	0.003	3	0.38	0.041	0.16	47.5	0.8	0.08	0.63	<5	0.7	0.03	1.5	0.92	<0.1
1390026	Drill Core	0.049	17.6	5.6	0.16	35.4	0.058	<1	0.34	0.070	0.11	8.0	0.6	0.03	0.97	<5	1.1	0.06	2.3	0.53	<0.1
REP 1390026	QC	0.046	16.7	5.0	0.15	34.6	0.055	<1	0.33	0.065	0.10	7.4	0.7	0.05	0.90	<5	1.0	0.09	2.1	0.51	0.1
1390032	Rock	0.013	<0.5	<0.5	11.18	15.6	<0.001	<1	0.01	0.002	<0.01	<0.1	<0.1	<0.02	<0.02	<5	0.2	<0.02	<0.1	0.04	<0.1
REP 1390032	QC	0.014	<0.5	<0.5	11.22	15.6	<0.001	<1	0.01	0.002	<0.01	0.1	0.1	<0.02	<0.02	<5	0.1	<0.02	<0.1	0.04	<0.1
1390047	Drill Core	0.032	15.2	3.8	0.16	65.1	0.032	1	0.36	0.071	0.18	4.5	0.9	0.05	0.49	<5	0.6	<0.02	1.5	0.55	<0.1
REP 1390047	QC	0.028	15.2	3.8	0.14	63.4	0.032	1	0.33	0.067	0.17	4.2	0.8	0.05	0.45	<5	0.4	<0.02	1.4	0.51	<0.1
1390064	Drill Core	0.029	10.8	3.9	0.20	68.4	0.005	<1	0.32	0.021	0.24	3.3	1.1	0.08	1.04	<5	1.1	0.19	1.3	0.39	<0.1
REP 1390064	QC	0.031	11.5	4.2	0.21	74.9	0.005	<1	0.35	0.022	0.26	3.2	1.2	0.09	1.10	6	1.4	0.20	1.4	0.42	<0.1
1390082	Drill Core	0.037	15.8	4.7	0.06	36.4	0.060	<1	0.27	0.064	0.07	20.3	0.4	<0.02	0.37	<5	0.4	0.02	1.5	0.09	0.2
REP 1390082	QC	0.036	16.2	4.8	0.06	39.9	0.061	<1	0.27	0.067	0.08	20.9	0.4	<0.02	0.37	<5	0.4	0.03	1.5	0.10	0.2
1390097	Drill Core	0.037	13.9	1.9	0.16	52.7	0.002	3	0.31	0.033	0.20	2.7	0.9	0.09	1.24	<5	1.4	0.25	1.2	0.55	<0.1
REP 1390097	QC	0.040	14.6	1.9	0.17	55.9	0.003	2	0.32	0.035	0.21	3.0	0.9	0.10	1.33	<5	1.3	0.21	1.2	0.58	<0.1
1390120	Drill Core	0.029	9.0	4.6	0.14	58.7	0.002	2	0.22	0.015	0.21	49.0	0.7	0.09	1.17	<5	1.1	0.13	0.9	0.35	<0.1
REP 1390120	QC	0.031	8.9	4.8	0.14	58.9	0.002	1	0.22	0.015	0.21	50.6	0.8	0.09	1.17	<5	1.2	0.17	0.8	0.36	<0.1
1390137	Drill Core	0.023	10.3	3.3	0.11	69.0	0.004	2	0.27	0.023	0.22	>100	0.6	0.08	1.01	<5	0.8	0.10	1.1	0.39	<0.1
REP 1390137	QC	0.023	10.3	3.3	0.11	69.9	0.004	2	0.26	0.022	0.21	>100	0.6	0.08	0.98	<5	0.8	0.09	1.1	0.39	<0.1
REP 1390150	QC	0.027	5.9	5.0	0.17	34.6	0.003	2	0.21	0.021	0.17	1.9	0.7	0.06	0.64	<5	0.6	0.12	0.8	0.33	<0.1
1390165	Drill Core	0.032	11.8	2.1	0.15	84.5	0.008	1	0.37	0.035	0.25	8.3	0.8	0.10	0.76	<5	0.7	0.17	1.4	0.52	<0.1
REP 1390165	QC	0.033	12.1	2.1	0.16	88.3	0.008	2	0.36	0.034	0.25	8.0	0.8	0.09	0.76	<5	0.7	0.15	1.4	0.52	<0.1
1390183	Drill Core	0.037	12.0	5.5	0.25	55.5	0.005	1	0.32	0.025	0.23	49.9	1.4	0.11	0.61	<5	0.6	0.13	1.4	0.62	<0.1
REP 1390183	QC	0.036	12.0	5.5	0.25	55.8	0.005	2	0.31	0.026	0.23	50.4	1.5	0.10	0.62	<5	0.5	0.12	1.4	0.65	<0.1
Core Reject Duplicates																					
1390045	Drill Core	0.030	9.8	2.2	0.18	57.2	0.001	2	0.35	0.036	0.20	4.9	1.0	0.07	1.38	<5	1.5	0.49	1.5	0.54	<0.1
DUP 1390045	QC	0.028	9.5	2.1	0.17	57.8	0.001	3	0.35	0.038	0.20	4.3	0.9	0.07	1.34	<5	1.2	0.51	1.5	0.55	<0.1
1390080	Drill Core	0.048	15.5	5.8	0.05	33.8	0.072	<1	0.25	0.061	0.07	1.4	0.5	<0.02	0.44	<5	0.5	0.05	1.6	0.07	0.2
DUP 1390080	QC	0.051	16.7	5.9	0.05	33.4	0.078	<1	0.26	0.066	0.07	0.9	0.4	<0.02	0.45	<5	0.5	0.06	1.7	0.08	0.2

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	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates															
1389995	Drill Core	0.04	0.10	7.1	0.1	<0.05	0.8	7.68	28.4	0.03	33	0.6	3.5	<10	<2
REP 1389995	QC	0.03	0.09	6.7	<0.1	<0.05	0.8	7.66	28.1	0.04	28	0.6	3.5	<10	<2
1390026	Drill Core	0.13	1.68	5.2	0.5	<0.05	2.4	7.88	34.8	<0.02	36	0.4	4.3	<10	<2
REP 1390026	QC	0.13	1.54	5.0	0.5	<0.05	2.3	7.46	33.4	<0.02	32	0.4	3.8	<10	<2
1390032	Rock	<0.02	0.03	0.3	<0.1	<0.05	<0.1	0.51	0.7	<0.02	<1	<0.1	0.5	<10	<2
REP 1390032	QC	<0.02	0.03	0.4	<0.1	<0.05	<0.1	0.55	0.7	<0.02	<1	<0.1	0.5	<10	<2
1390047	Drill Core	0.06	0.73	8.2	0.3	<0.05	1.4	5.49	26.3	<0.02	20	0.4	3.5	<10	<2
REP 1390047	QC	0.08	0.80	7.3	0.3	<0.05	1.4	5.13	26.1	<0.02	17	0.5	3.3	*	<2
1390064	Drill Core	0.04	0.14	11.7	0.2	<0.05	0.9	4.07	17.5	<0.02	384	0.2	4.4	<10	<2
REP 1390064	QC	0.04	0.12	12.2	0.3	<0.05	1.0	4.20	18.6	<0.02	439	0.2	4.8	<10	<2
1390082	Drill Core	0.13	1.95	2.1	0.5	<0.05	2.5	5.32	26.4	<0.02	18	0.2	4.9	<10	<2
REP 1390082	QC	0.15	1.83	2.1	0.5	<0.05	2.6	5.32	27.2	<0.02	14	0.2	5.1	<10	<2
1390097	Drill Core	0.03	0.05	11.2	0.3	<0.05	1.0	5.14	22.7	<0.02	42	0.2	3.6	23	<2
REP 1390097	QC	0.05	0.05	12.1	0.1	<0.05	1.0	5.64	23.8	<0.02	57	0.3	3.8	32	<2
1390120	Drill Core	0.06	0.05	12.0	0.3	<0.05	1.1	4.54	15.0	<0.02	388	<0.1	3.1	*	<2
REP 1390120	QC	0.06	0.05	12.2	0.4	<0.05	1.2	4.50	14.6	<0.02	368	<0.1	2.8	*	<2
1390137	Drill Core	0.05	0.09	11.1	0.2	<0.05	1.1	4.35	19.1	<0.02	21	<0.1	3.3	13	<2
REP 1390137	QC	0.04	0.08	10.7	0.2	<0.05	1.1	4.11	19.1	<0.02	26	0.2	3.0	<10	<2
REP 1390150	QC	0.02	0.07	8.6	0.1	<0.05	0.7	3.85	11.3	0.02	7	0.2	2.0	<10	<2
1390165	Drill Core	0.05	0.14	14.5	0.2	<0.05	1.0	4.49	19.4	<0.02	29	0.1	4.2	13	<2
REP 1390165	QC	0.07	0.14	14.6	0.2	<0.05	1.0	4.48	19.4	<0.02	34	0.2	4.1	12	<2
1390183	Drill Core	0.07	0.11	16.2	0.2	<0.05	1.6	4.29	18.8	<0.02	36	0.2	6.7	<10	<2
REP 1390183	QC	0.07	0.10	16.6	0.2	<0.05	1.6	4.19	18.1	<0.02	40	0.2	7.1	<10	<2
Core Reject Duplicates															
1390045	Drill Core	0.03	0.04	9.3	0.2	<0.05	0.6	5.38	17.4	<0.02	12	0.5	3.7	<10	<2
DUP 1390045	QC	0.03	0.04	8.8	0.2	<0.05	0.6	5.23	17.0	<0.02	11	0.6	3.3	<10	<2
1390080	Drill Core	0.18	2.16	1.8	0.5	<0.05	3.2	6.29	27.2	<0.02	4	0.3	4.0	<10	<2
DUP 1390080	QC	0.18	2.14	1.8	0.4	<0.05	3.3	6.86	29.2	<0.02	6	0.3	4.2	<10	<2

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PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 08, 2011

QUALITY CONTROL REPORT VAN11004871.1

		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		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
1390115	Drill Core	4.38	413.9	69.03	13.78	31.0	518	1.5	4.0	761	1.98	16.7	3.4	8.7	6.3	224.1	1.02	0.62	2.23	23	1.59
DUP 1390115	QC		395.3	68.02	14.10	28.8	492	1.7	4.1	746	1.99	15.4	3.3	6.7	6.1	223.6	1.02	0.57	2.00	24	1.58
1390150	Drill Core	4.12	7.77	30.56	26.86	62.2	453	1.7	2.1	868	1.58	9.8	1.9	7.3	3.2	237.8	0.53	0.44	0.70	6	1.37
DUP 1390150	QC		6.84	33.61	23.29	68.0	443	1.3	2.1	978	1.60	9.2	1.7	9.9	2.8	208.8	0.64	0.40	0.67	6	1.34
1390185	Drill Core	3.97	31.10	28.79	11.06	22.4	314	3.1	1.8	604	1.33	9.2	5.4	9.3	8.3	240.2	0.39	0.49	0.86	15	1.14
DUP 1390185	QC		28.60	27.51	10.67	22.8	308	2.7	1.7	594	1.32	8.1	5.2	3.4	8.3	233.7	0.37	0.47	0.79	15	1.13
Reference Materials																					
STD DS8	Standard		12.96	114.1	121.8	310.1	1703	38.8	7.3	606	2.49	24.7	2.7	123.2	6.5	62.1	2.34	5.65	6.70	42	0.71
STD DS8	Standard		13.66	115.0	132.1	326.6	1864	40.4	8.1	617	2.55	25.0	2.9	111.3	7.2	63.7	2.44	5.54	6.90	42	0.72
STD DS8	Standard		13.73	114.4	130.9	319.2	1900	39.9	7.9	606	2.52	24.8	2.9	116.7	7.0	61.7	2.35	5.22	6.82	42	0.70
STD DS8	Standard		13.84	111.4	121.9	295.8	1696	38.8	7.8	601	2.49	23.2	2.9	103.7	7.1	64.7	2.05	5.10	6.33	42	0.74
STD DS8	Standard		13.62	108.0	126.6	332.4	1927	39.2	7.9	660	2.62	26.4	2.7	115.7	6.8	69.5	2.57	5.58	6.60	44	0.78
STD DS8	Standard		13.33	113.0	122.5	316.8	1827	37.6	7.7	616	2.61	26.1	2.7	128.1	6.9	68.4	2.40	5.41	6.73	42	0.77
STD DS8	Standard		12.88	109.0	126.3	312.6	1792	37.1	7.5	593	2.52	23.7	2.9	120.3	7.3	65.0	2.22	5.36	6.83	41	0.71
STD DS8	Standard		12.51	113.0	130.6	326.9	1719	38.6	7.6	616	2.49	26.5	3.0	120.0	7.2	69.3	2.59	6.24	7.67	40	0.68
STD DS8	Standard		13.88	116.1	128.2	310.7	1791	38.4	7.7	606	2.53	24.6	3.1	122.5	7.7	65.9	2.42	5.60	6.92	44	0.73
STD DS8	Standard		13.15	106.3	129.9	313.3	1944	37.9	7.6	618	2.47	24.2	2.8	127.9	6.6	61.8	2.33	5.51	6.73	41	0.71
STD DS8 Expected			13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
BLK	Blank		<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
BLK	Blank		<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
BLK	Blank		<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
BLK	Blank		<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
BLK	Blank		<0.01	0.68	<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
BLK	Blank		<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
BLK	Blank		<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
BLK	Blank		<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
BLK	Blank		<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
Prep Wash																					

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QUALITY CONTROL REPORT VAN11004871.1

		1F30 P % 0.001	1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Tl ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1	1F30 Cs ppm 0.02	1F30 Ge ppm 0.1
1390115	Drill Core	0.044	25.5	3.7	0.27	69.5	0.044	2	0.39	0.039	0.32	3.3	1.3	0.19	1.07	<5	1.2	0.19	2.0	1.31	<0.1
DUP 1390115	QC	0.044	25.0	3.6	0.28	69.3	0.047	1	0.38	0.039	0.32	3.0	1.3	0.18	1.07	<5	1.1	0.21	1.9	1.32	<0.1
1390150	Drill Core	0.026	6.2	5.2	0.17	35.1	0.003	2	0.21	0.021	0.17	1.8	0.7	0.07	0.65	<5	0.6	0.06	0.9	0.34	<0.1
DUP 1390150	QC	0.026	5.1	4.8	0.18	31.8	0.003	2	0.19	0.019	0.15	1.1	0.7	0.05	0.71	6	0.7	0.07	0.8	0.30	<0.1
1390185	Drill Core	0.029	12.3	4.5	0.19	62.0	0.018	2	0.35	0.035	0.18	13.3	1.0	0.07	0.46	<5	0.4	0.11	1.5	0.39	<0.1
DUP 1390185	QC	0.029	11.9	4.7	0.18	59.6	0.019	2	0.33	0.035	0.18	10.5	0.9	0.06	0.45	<5	0.4	0.10	1.5	0.36	<0.1
Reference Materials																					
STD DS8	Standard	0.078	15.5	118.3	0.61	270.3	0.114	2	0.93	0.088	0.42	3.2	2.0	5.28	0.16	197	5.0	4.82	4.7	2.45	0.1
STD DS8	Standard	0.076	14.8	128.3	0.63	292.2	0.119	3	0.96	0.089	0.43	3.0	2.2	5.66	0.17	206	5.2	5.36	4.8	2.48	0.1
STD DS8	Standard	0.078	14.0	126.2	0.62	270.3	0.107	3	0.93	0.085	0.42	2.9	2.1	5.73	0.16	191	5.3	4.91	4.5	2.42	0.1
STD DS8	Standard	0.073	16.3	122.8	0.64	264.4	0.134	3	1.00	0.109	0.43	2.8	2.0	4.99	0.16	210	4.5	4.24	4.5	2.31	0.2
STD DS8	Standard	0.082	15.7	128.3	0.65	301.2	0.116	2	1.01	0.098	0.44	3.5	2.1	5.89	0.17	236	5.7	5.49	5.2	2.83	<0.1
STD DS8	Standard	0.086	15.9	118.6	0.64	294.4	0.120	4	1.05	0.119	0.46	3.1	2.4	5.71	0.16	193	5.3	5.02	4.8	2.45	<0.1
STD DS8	Standard	0.077	14.9	121.7	0.61	263.8	0.111	3	0.95	0.091	0.43	3.4	2.1	5.62	0.16	211	5.2	4.93	4.9	2.50	<0.1
STD DS8	Standard	0.080	14.8	116.8	0.63	276.5	0.112	4	0.93	0.096	0.42	3.3	2.0	5.79	0.16	182	5.2	4.94	4.8	2.47	0.1
STD DS8	Standard	0.081	17.1	124.6	0.67	271.5	0.128	3	0.95	0.089	0.43	3.0	2.3	5.46	0.17	204	5.0	5.15	4.8	2.49	<0.1
STD DS8	Standard	0.083	14.1	123.7	0.61	269.5	0.113	2	0.91	0.088	0.42	2.9	2.0	5.52	0.17	199	5.2	4.97	4.7	2.46	<0.1
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
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	<5	<0.1	<0.02	<0.1	<0.02	<0.1
Prep Wash																					

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QUALITY CONTROL REPORT VAN11004871.1

		1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2
1390115	Drill Core	0.15	1.17	24.3	0.5	<0.05	2.7	8.67	42.7	<0.02	187	0.3	10.1	*	<2
DUP 1390115	QC	0.15	1.26	24.8	1.3	<0.05	2.9	8.88	42.8	<0.02	166	0.2	9.8	*	<2
1390150	Drill Core	0.03	0.07	8.6	0.2	<0.05	0.7	3.90	12.0	0.02	4	0.2	2.0	<10	<2
DUP 1390150	QC	0.03	0.08	7.8	0.1	<0.05	0.7	3.92	9.6	0.02	3	0.2	2.0	<10	<2
1390185	Drill Core	0.09	0.36	10.0	0.3	<0.05	1.8	4.03	19.6	<0.02	14	0.4	5.5	<10	<2
DUP 1390185	QC	0.10	0.39	9.3	0.3	<0.05	1.7	4.05	18.8	<0.02	12	0.3	4.9	<10	<2
Reference Materials															
STD DS8	Standard	0.07	1.35	36.0	6.9	<0.05	2.1	5.81	27.4	2.18	46	5.4	27.2	97	338
STD DS8	Standard	0.09	1.39	37.5	6.8	<0.05	2.2	6.13	28.2	2.24	59	6.3	26.1	103	350
STD DS8	Standard	0.08	1.26	35.9	6.6	<0.05	2.1	5.62	26.1	2.08	54	5.2	28.1	121	381
STD DS8	Standard	0.08	1.35	35.2	6.5	<0.05	2.1	6.43	30.1	2.01	58	4.8	26.2	116	306
STD DS8	Standard	0.11	1.66	44.0	6.8	<0.05	2.5	6.72	32.4	2.36	61	5.8	27.5	115	378
STD DS8	Standard	0.09	1.36	37.6	7.2	<0.05	2.3	6.32	30.7	2.30	49	5.2	27.0	109	369
STD DS8	Standard	0.09	1.29	38.5	6.7	<0.05	2.1	5.92	29.0	2.19	58	4.8	26.5	108	337
STD DS8	Standard	0.08	1.31	42.4	7.1	<0.05	2.1	5.86	25.4	2.32	57	5.3	27.3	98	372
STD DS8	Standard	0.10	1.39	39.0	6.9	<0.05	2.2	6.57	29.3	2.20	56	5.5	26.0	95	344
STD DS8	Standard	0.09	1.30	36.7	6.7	<0.05	2.1	5.64	27.6	2.22	61	4.9	28.3	107	352
STD DS8 Expected		0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
Prep Wash															

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: **Emgold Mining Corp.**
PO Box 1836
Grass Valley California 95945 USA

Project: Stewart
Report Date: November 08, 2011

QUALITY CONTROL REPORT VAN11004871.1

		WGHT Wgt kg 0.01	1F30 Mo ppm 0.01	1F30 Cu ppm 0.01	1F30 Pb ppm 0.01	1F30 Zn ppm 0.1	1F30 Ag ppb 2	1F30 Ni ppm 0.1	1F30 Co ppm 0.1	1F30 Mn ppm 1	1F30 Fe % 0.01	1F30 As ppm 0.1	1F30 U ppm 0.1	1F30 Au ppb 0.2	1F30 Th ppm 0.1	1F30 Sr ppm 0.5	1F30 Cd ppm 0.01	1F30 Sb ppm 0.02	1F30 Bi ppm 0.02	1F30 V ppm 2	1F30 Ca % 0.01
G1	Prep Blank	<0.01	0.05	3.14	2.99	44.2	2	2.9	3.6	548	2.12	0.3	1.4	<0.2	5.6	60.1	0.01	0.03	0.07	35	0.46
G1	Prep Blank	<0.01	0.08	3.01	2.92	45.6	4	2.4	3.7	557	2.17	0.4	1.6	<0.2	5.7	59.4	0.02	<0.02	0.06	36	0.46

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		1F30 P % 0.001	1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Tl ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1	1F30 Cs ppm 0.02	1F30 Ge ppm 0.1
G1	Prep Blank	0.071	12.0	10.9	0.48	145.4	0.103	1	0.92	0.085	0.49	<0.1	1.8	0.29	<0.02	<5	<0.1	<0.02	4.6	2.72	0.1
G1	Prep Blank	0.073	11.8	7.4	0.47	147.3	0.109	1	0.93	0.090	0.48	<0.1	1.7	0.29	<0.02	7	<0.1	<0.02	4.7	2.73	<0.1

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		1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2
G1	Prep Blank	0.08	0.36	41.4	0.5	<0.05	1.1	4.43	22.2	0.03	<1	0.3	29.2	<10	<2
G1	Prep Blank	0.09	0.37	39.9	0.6	<0.05	1.2	5.08	22.9	<0.02	<1	0.3	29.3	<10	<2