Assessment Report On Geological and Geochemical Work On The Following Claims

Event # 4047534	Event #4048114	Event # 4056049
396838		396844
396840	405595	396848
396842	405596	405227
396848		405233
396849		405239
405227		519017
		519018
		519020
		519251

Work permit # Mx-1-643

located
32 km Northeast of
Stewart, British Columbia
Skeena Mining Division

56 degrees 30 minutes latitude
129 degrees 37 minutes longitude

N.T.S. 104A/4E

Project Period: August 01 to September 22, 2005

On Behalf of
Pinnacle Mines Ltd.
Vancouver, B.C.

Report By

A. Walus, M.Sc., P.Geo.

Date: November 25, 2005

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SUMMARY

The Surprise Creek property is located about 32 kilometers northeast of Stewart, British Columbia in the Skeena Mining Division. It consists of 57 claims covering almost 24,500 hectares located between Todd and Surprise creeks. The property is currently 100% owned by Pinnacle Mines Ltd. of Vancouver, BC.
The property lies within a belt of Jurassic mostly volcanic rocks extending from the Kitsault area to Stikine River. This belt hosts numerous precious and base metal deposits, including the producing Eskay Creek and former Snip, Granduc and Premier mines.

The Surprise Creek claim group is underlain by a sequence of middle Jurassic clastic and volcanic rocks which trend north-south to northwest-southeast. The west side of the property is occupied by andesitic volcaniclastic and volcanic rocks of Betty Creek Formation. To the east these rocks are in contact with a narrow horizon of felsic volcanic rocks belonging to Mount Dilworth Formation. Still further east there are sedimentary rocks of Salmon River and Bowser Lake Formations.
Parts of the Frances 3 and 4 claims are underlined by a medium grained quartz monzonite. At the contact with the monzonite, the mudstones of the Bowser Lake Formation have been transformed to biotite hornfels with the addition of small amounts of pyrrhotite and lesser pyrite.

During 2005 exploration program on Surprise Creek property a total of 279 rock and 8 silt samples were collected. These samples represent abundant and diverse mineralization found on the property. All property's mineralization can be grouped into several types of which the most significant ones are presented below.

Types of mineralization found both in place and float include:

1. Extremely fine grained syngenetic pyrite, sphalerite and galena with high silver, mercury, and manganium hosted in black chert, limestone and mudstone.
2. Banded iron formation
3. Chalcopyrite and molybdenite bearing quartz-pyrite-pyrrhotite veins and pods related to intrusion of quartz monzonite.

Types of mineralization found in float only include:

4. Very strongly silicified trachyte/latite with pyrite, sphalerite, galena, and chalcopyrite.
5. Precious metals bearing quartz with pyrite, arsenopyrite, chalcopyrite, galena, sphalerite and tetrahedrite.
6. Quartz with sphalerite and galena.

The first type of mineralization is by far the most promising of all mineralization types found on the property to date. It can be found mostly in numerous boulders and to much lesser extent in place. Most often, it occurs in intercalated black chert, limestone and mudstone which form layers a few cm thick. The layers very often display strong soft sediment deformation, frequently forming synsedimentary breccia. Mineralization consists of syngenetic, extremely fine grained

pyrite with lesser sphalerite and galena; manganese oxides are common. Sulphides form thin laminae and disseminations, often concentrating in the matrix of synsedimentary breccia.
Content of zinc, lead, silver and mercury vary in a broad range from slightly elevated values to the highs of 7.61% for zinc, 1.1% for lead, 106 g/t for silver, and 33,800 ppb for mercury.

The second type of mineralization - banded iron formation is associated with the first type. It was found in place in three locations on the property. This type of mineralization is composed of intercalated laminae of white silica, jasper and magnetite 0.2 to 2.0 cm thick. The main occurrence of banded iron formation is 15-20 m wide. It strikes 310 degrees and dips about 70 degrees to the north-east. A few other occurrences of banded iron formation on the property are much smaller measuring only 1-3 metres in thickness.

There is a strong indication that the property may host Kuroko type VMS deposit, possibly with a high precious metals content. This conclusion is based on the following facts:

1 Presence of syngenetic zinc, lead and silver mineralization hosted in black chert, limestone and mudstone. Values up to 7.61% Zn, 1.1% Pb and 106 g/t Ag were obtained from these rocks. High mercury values, typically in the range of 40 to 100 times above the background level (with the high of 33,800 ppb) are closely associated with this type of mineralization.
2 This syngenetic mineralization is spatially associated with the felsic volcanic rocks of Mt. Dilworth Formation, the same stratigraphic horizon which hosts Eskay creek deposit. On the property, felsic volcanic rocks of this formation form a relatively thin horizon 70 to 200 metres wide within prevailing volcanic rocks of intermediate to mafic composition.
3 Presence of an eruption center located in the Surprise Creek area as indicated by outcrops of rhyolite (?) flow with distinct flow banding, as well as rhyolite (?) breccia.
4 Presence of banded iron formation
5 Nearby presence (Todd Creek) of a big copper-gold epithermal system comprised of numerous pyrite-chalcopyrite dominated veins and stringers. This system very likely represents the footwall-stringer zone of Kuroko type VMS system.

Numerous boulders of sedimentary rocks with syngenetic zinc, lead and silver mineralization occur in several glacial valleys which join the main Surprise Creek valley over a distance of ten kilometers. They derive from an extensive horizon(s) hosting this type of mineralization, situated in the headwaters of these valleys. A portion of this horizon (at least 30-40 m wide) is exposed at the head of one of the glaciers. This horizon(s) most likely represents a distal facies (halo) of Kuroko type VMS system as indicated by the lack of volcanic material and alteration, and also by the fact that zinc is by far the most abundant metal with much less lead and no copper.

In conclusion, the gold bearing pyrite-chalcopyrite dominated veins and stringers of Todd Creek area and the black chert, limestone and mudstone with syngenetic zinc, lead and silver mineralization of Surprise Creek area probably represent two different parts of the same Kuroko type VMS system. The former represents the footwall-stringer zone and the latter distal zone

(halo) of this system. This in turn implies that a massive sulphides body of Kuroko type can be located somewhere between these two zones. Substantial amount of gold in the presumed footwall-stringer zone and the abundance of silver in the distal zone indicate the potential for the occurrence of precious metals- rich Kuroko type VMS deposit.

For 2006 exploration season the following exploration program is proposed:

1. **Airborne survey**
   A total of 500 line-kilometers along lines 100 metres apart are planned.

2. **Drilling**
   Drilling is planned as a follow up to the airborne survey. Four to six holes 300 to 500 metres deep are planned for the program.

3. **Prospecting/reconnaissance mapping**
   Areas not prospected during 2005 program, especially an area north of Mt. Patullo should be carefully examined.

Total cost of the program is estimated at 1 million dollars.

INTRODUCTION

The 2005 geochemical program of rock and silt sampling on Surprise Creek property consisted of work reported in 3 separate mineral claim exploration statements - events # 4047534, 4048114 and 4056049. During the first part of the program covered by event # 4047534 a total of 189 rock samples and 7 silt samples were taken. The second part of the program covered by event # 4056049 was a follow up of the previous work and was conducted mostly on a newly staked ground joining the old claims to the west. During this part of the program a total of 75 rock samples were collected. Separately, a third, small rock sampling program was conducted over Eldorado 1 and Eldorado 2 claims during which 15 rock samples were collected. Work of this program is covered by event #4048114.

During the first and second part of the program transportation to the job site was done by a Hughes 500D helicopter, provided by Prism Helicopters, based in Stewart. The flights were either directly from Stewart or out of the Teuton exploration camp in Nelson creek. Work on Eldorado claims did not require helicopter and access was directly from the road.
During the first part of exploration program the field personnel stayed mostly in two exploration camps build on the property. During the second and third part of the program the personnel stayed in a motel in Stewart and acquired meals at local restaurants.

All samples were prepared and analyzed by Assayers Canada in Vancouver, British Columbia.

This report is based on the results from all three parts comprising the 2005 exploration program on Surprise Creek property. The program was conducted by the author of this report on behalf of Pinnacle Mines Ltd. in the period from August 01 to September 22, 2005. Data obtained from previous assessments reports and Minfile were also used. The complete list of sources used in this report is provided in references. Report costs were split between 3 parts of the program according to the number of samples taken in each part.

For a practical reason of providing a better reference, a few glaciers located on the property were given informal names of Short, Long, Grunwald, Jagiello, Ataman and Sarmatia glaciers.

Location and Access

The property is situated approximately 32 kilometers northeast of Stewart, British Columbia. The claim area is centered approximately on 56 degrees 30 minutes latitude and 129 degrees 37 minutes longitude on NTS sheet 104A/4E. Figures 1 and 2 show the location of the claim area.

At the present time access to the claims is by helicopter from Stewart or from the Ellsworth logging camp on Highway 37 located about 30 km to the southeast. Highway 37 running between Stewart and Meziadin Junction reaches the southern boundary of the property. An old mining road (non-maintained) runs from the Highway 37 to the former gold-silver Nordore mine, which is located approximately half a kilometer west of the property's boundary.

Physiography and Topography

The area of Surprise Creek property encompasses steep mountain slopes typical of the Coast Range region of British Columbia. The property includes Mount Patullo and the headwaters of Surprise and Todd creeks. Topography is rugged with numerous glaciers transecting the area. Slopes range from moderate to precipitous. Elevations vary from about 600 m in the eastern portion of the property to about 2733 m (Mount Patullo). Most of the northern and western parts of the property are covered by ice and snow fields. Eastern parts of the property are to large degree covered by glacial material. Overall, outcrops comprise approximately 30-35% of the property. Lower slopes of the mountain valleys are occupied by spruce and hemlock trees. Higher elevations are covered by alpine grass and heather.
Due to the large snowfall, the surface exploration is restricted to summer and early fall with the maximum rock exposure occurring in late August and September.

Property Ownership

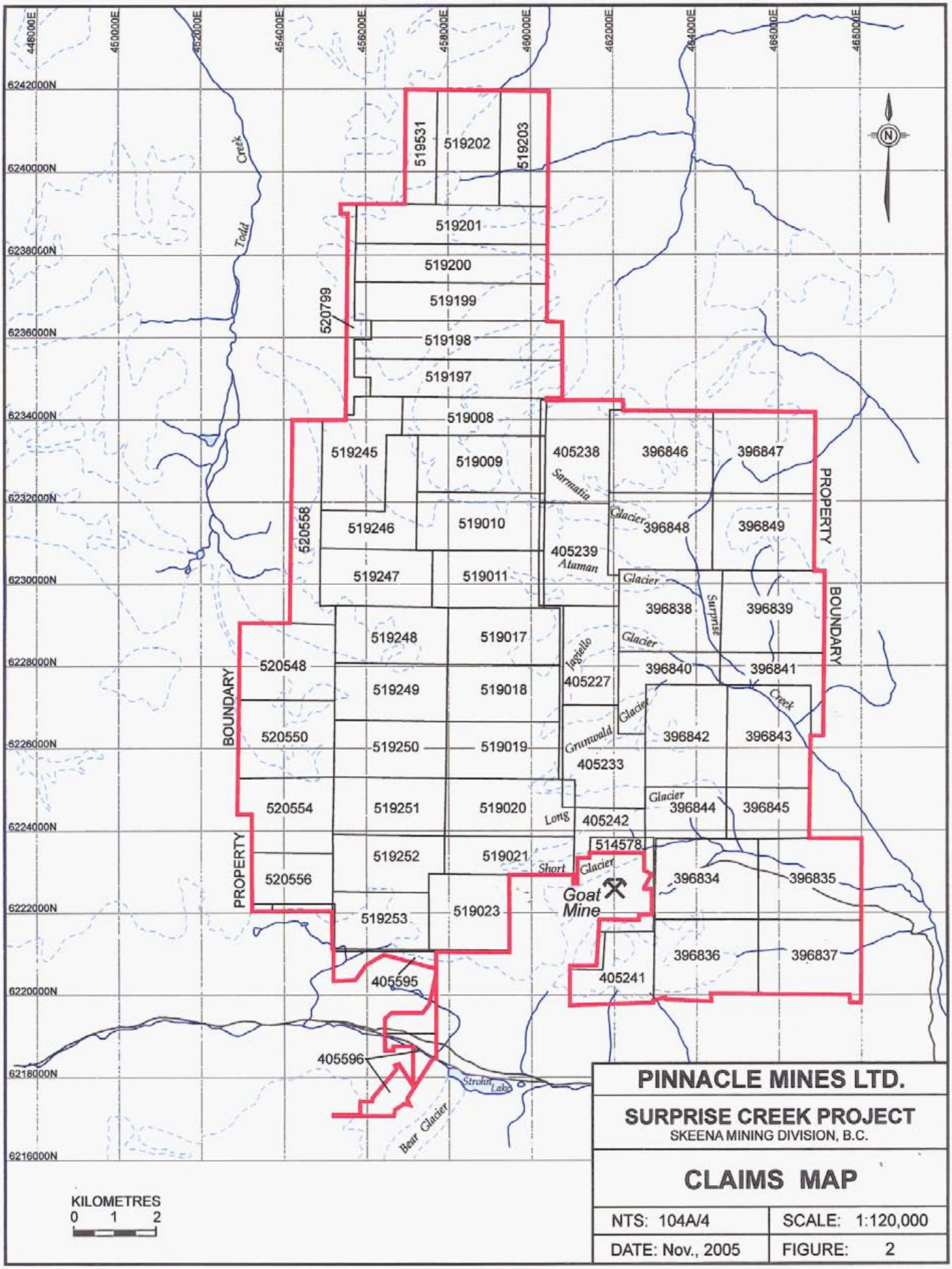
The Surprise Creek property consists of 57 claims totaling almost 24,500 hectares located between Todd and Surprise creeks. Relevant claim information with respective NTS map areas is summarized below. Claims locations copied from Minfile database are presented in figure 2. Ownership of all claims is presently 100 % registered with Pinnacle Mines Ltd.

Name	Tenure	NTS Map Area	Area(ha)	Expiry Date
Trafalgar 1	396834	NTS Map 104 A/4	500.0	September 20/2006
Trafalgar 2	396835	NTS Map 104 A/4	500.0	September 20/2006
Trafalgar 3	396836	NTS Map 104 A/4	500.0	September 20/2006
Trafalgar 4	396837	NTS Map 104 A/4	500.0	September 20/2006
Emma 3	396838	NTS Map 104 A/4	500.0	September 20/2006
Emma 4	396839	NTS Map 104 A/4	500.0	September 20/2006
Emma 5	396840	NTS Map 104 A/4	500.0	September 20/2006
Emma 6	396841	NTS Map 104 A/4	500.0	September 20/2006
Emma 1	396842	NTS Map 104 A/4	500.0	September 20/2006
Emma 2	396843	NTS Map 104 A/4	500.0	September 20/2006
Trafalgar 5	396844	NTS Map 104 A/4	500.0	September 20/2006
Trafalgar 6	396845	NTS Map 104 A/4	500.0	September 20/2006
Frances 1	396846	NTS Map 104 A/4	500.0	September 20/2006
Frances 2	396847	NTS Map 104 A/4	500.0	September 20/2006
Frances 3	396848	NTS Map 104 A/4	500.0	September 20/2006
Frances 4	396849	NTS Map 104 A/4	500.0	September 20/2006
Pin 1	405238	NTS Map 104 A/4	500.0	September 9/2006

Pin 2	405239	NTS Map 104 A/4	500.0	September 9/2006
Pin 3	405227	NTS Map 104 A/4	500.0	September 9/2006
Pin 4	405233	NTS Map 104 A/4	500.0	September 9/2006
Pin 5	405242	NTS Map 104 A/4	500.0	September 9/2006
Pin 6	405241	NTS Map 104 A/4	500.0	September 9/2006
Eldorado 1	405595	NTS Map 104 A/4	500.0	September 26/2006
Eldorado 2	405596	NTS Map 104 A/4	500.0	September 26/2006
Ataman1	519008	NTS Map 104 A/4	323.572	August 13/2006
Ataman2	519009	NTS Map 104 A/4	431.536	August 13/2006
Ataman3	519010	NTS Map 104 A/4	431.674	August 13/2006
Ataman4	519011	NTS Map 104 A/4	377.835	August 13/2006
Ataman5	519017	NTS Map 104 A/4	377.953	August 13/2006
Ataman6	519018	NTS Map 104 A/4	378.074	August 13/2006
Ataman7	519019	NTS Map 104 A/4	378.194	August 13/2006
Ataman8	519020	NTS Map 104 A/4	432.352	August 13/2006
Ataman9	519021	NTS Map 104 A/4	288.311	August 13/2006
Ataman10	519023	NTS Map 104 A/4	360.513	August 13/2006
Ataman15	519197	NTS Map 104 A/4	449.315	August 20/2007
	519198	NTS Map 104 A/4	449.221	August 20/2007
	519199	NTS Map 104 A/4	431.159	August 20/2007
	519200	NTS Map 104 A/4	431.068	August 20/2007
	519201	NTS Map 104 A/4	430.976	August 20/2007
	519202	NTS Map 104 A/4	430.797	August 20/2007
	519203	NTS Map 104 A/4	323.101	August 20/2007
	519245	NTS Map 104 A/4	431.52	August 22/2006
	519246	NTS Map 104 A/4	359.71	August 22/2006
	519247	NTS Map 104 A/4	377.85	August 22/2006
	519248	NTS Map 104 A/4	377.97	August 23/2006
	519249	NTS Map 104 A/4	378.09	August 23/2006
	519250	NTS Map 104 A/4	378.22	August 23/2006
	519251	NTS Map 104 A/4	378.33	August 23/2006
	519252	NTS Map 104 A/4	360.42	August 23/2006
	519253	NTS Map 104 A/4	324.48	August 23/2006
Ataman Chmielnicki	519531	NTS Map 104 A/4	215.39	August 30/2006
	520548	NTS Map 104 A/4	432.05	September 28/2006
	520550	NTS Map 104 A/4	432.24	September 28/2006
	520554	NTS Map 104 A/4	396.37	September 28/2006
	520556	NTS Map 104 A/4	270.34	September 28/2006
Jagiello	520558	NTS Map 104 A/4	413.721	September 28/2006
Grunwald	520799	NTS Map 104 A/4	233.557	October 04/2006

Kilometres
0 50

PINNACLE MINES LTD.	
SURPRISE CREEK PROJECT SKEENA MINING DIVISION, B.C.	
LOCATION MAP	
NTS: 104A/4	SCALE: As Shown
DATE: Nov., 2005	FIGURE: 1



PINNACLE MINES LTD.

SURPRISE CREEK PROJECT

SKEENA MINING DIVISION, B.C.

CLAIMS MAP

NTS: 104A/4	SCALE: 1:120,000
DATE: Nov., 2005	FIGURE: 2

Work History

The earliest recorded mining activity on the property was done on old Enterprise property (presently Eldorado claims) in early 20 century. Considerable work was reported on this property prior to 1919, including 30 meters of drifting along an adit. In the period 1928-1931, numerous adits and trenches were completed on the property. The showings are located along a large copper bearing belt. The best surface result was obtained from a 1.5 metres long trench which assayed 27.4 g/t Au, 68.6 g/t Ag and 2.3% Cu. In an adit located 30 m below and 15 metres to the east of this trench, a 1.4 m wide zone assayed 4.64 g/t Au and 2.1% Cu.
In 1978, Tournigan Mining Explorations and recently in 2004 Pinnacle Mines carried out surface sampling on the former Enterprise group.

The former Goat mine is located just outside the southern boundary of the property, approximately 0.5 kilometers west of Trafalgar 1 claim. The showings were staked first in 1960 and than restaked in 1963 by Newmont Mining and Granby Mining. Noradco acquired the claims in 1964 and completed trenching, sampling and small (3 holes) drilling program on the property. In 1965, 2 adits were driven on the F vein and 2 raises were driven to the G vein. In 1971, Abitibi acquired the Shield Minerals interest as well as incorporated Nordore Mining Co. In 1974, Nordore rehabilitated the workings now on the Ken 1-4 and Goat A-H claims. In 1974, the Remus claims were acquired as a mill site. About 1770 tonnes of ore were stockpiled. In 1976, about 295 tonnes of ore was milled from a portable concentrator. Development work on the E vein recommenced in 1979 and "some" material was put through the concentrator. In 1980, underground development continued and the mill operated for several months. The mill was destroyed by fire in 1981 and all work ceased. Bond Gold carried out a geophysical survey over the property in 1990. In 1991, Cameco conducted geochemical surveys and sampling on the Ken and Hugh claims. Proven and probable reserves in 1979 were 8800 tonnes grading 4782.9 grams per tonne silver and 10.6 grams per tonne gold. Recorded production during 1975 and 1979-81 was 1,794,049 grams of silver, 5,475 grams of gold, 52,641 kilograms of zinc, 4,071 kilograms of lead and 153 kilograms of copper.

Considerable exploration work was done in the 70's and 80's on a former Surprise (Prise) property located on present Frances claims. Initially the property was held by Falconbridge who optioned it to Riocanex in 1981. The two extensive gossans on the property are more or less expression of the underlying pyrrhotite and pyrite bearing biotite hornfels and associated monzonite stock. These rocks host quartz-pyrite-pyrrhotite veins and pods which locally contain minor molybdenite and chalcopyrite are rare fluorite. Riocanex drilled three holes to test one of the two large gossaneous zones. All 3 holes intersected a section of quartz and feldspathtic quartz arenite followed by a section of graphitic siltstone. Encountered mineralization consisted of 1-2 % combined pyrrhotite and pyrite; no assays were reported, one section was reported to contain 0.1 % MoS2 by visual estimate.

The area of claim No. 519253 located on the southern boundary of the property covers an area formerly occupied by Barite and Von Claims. The area is underlined predominantly by andesitic tuffs, breccias and conglomerates. Mineralization includes numerous pyrite and quartz-pyrite

veins and several narrow quartz-galena veins. Some prospecting and trenching was done in the 1970's and 1980's but there are no records for the work done. The claims were acquired by Teuton Resources in 1989. Next year, Teuton conducted soil, silt and rock sampling.

In 1994 and 1996, Teuton Resource Corp. conducted an exploration program consisting of reconnaissance geochemical rock and silt sampling in conjunction with prospecting and reconnaissance geological mapping. The work concentrated on area presently covered by Pin 2, 3 and 4 and Emma 1, 3 and 5. The program was focused on finding gold bearing mineralization.

In 2003 Pinnacle Mines collected a total of 78 rock samples from outcrop and float as well as 23 silt samples during an exploration program.
Assay results yielded highly anomalous values for gold, silver, lead, zinc, arsenic and copper. The highs for these metals were as follow: 13.02 ppm for gold, 3076.8 ppm for silver, >9999 ppm for lead, 56,866 ppm for zinc, >9999 ppm for arsenic and 28,026 ppm for copper.

In 2004 Pinnacle continued reconnaissance geochemical rock and silt sampling of the property. A total of 220 rock samples both from outcrop and float as well as 19 silt samples were collected during the exploration program. Assay results of the samples indicate highly anomalous values for gold, silver, lead, zinc, arsenic and copper. The highest assay for gold was 3.9 ppm, for silver 1305 ppm, for lead 9.1%, for zinc > 10,000 ppm, for arsenic >10,000 ppm and for copper 8.67 %

GEOLOGY

Regional Geology

The Surprise Creek property lies in the Stewart area, east of the Coast Crystalline Complex and within the western boundary of the Bowser Basin. Rocks in the area belong to the Mesozoic Stuhini Group, Hazelton Group and Bowser Lake Group that have been intruded by plutons of both Cenozoic and Mesozoic age.
According to C.F. Greig, in G.S.C. Open File 2931, portions of the general Stewart area are underlain by Triassic age Stuhini Group. The Stuhini Group rocks either underlie or are in fault contact with the rocks of Hazelton Group. These Triassic age rocks consist of dark gray, laminated to thickly bedded silty mudstone, and fine to coarse-grained sandstone. Local hetherolitic pebble to cobble conglomerate, massive tuffaceous mudstone and thick-bedded sedimentary breccia and conglomerate also form part of the Stuhini Group.

The large exposure of Hazelton Group rocks on the west side of Bowser Basin has been named the Stewart Complex. It forms a north-northwesterly trending belt extending from Alice Arm to the Iskut River. At the base of the Hazelton Group is the lower Lower Jurassic volcaniclastic Unuk River Formation. This is overlain at steep discordant angles by a second, lithologically similar, middle Lower Jurassic volcanic package (Betty Creek Formation), which in turn is overlain by an upper Lower Jurassic thin felsic tuff horizon (Mt. Dilworth Formation). Middle

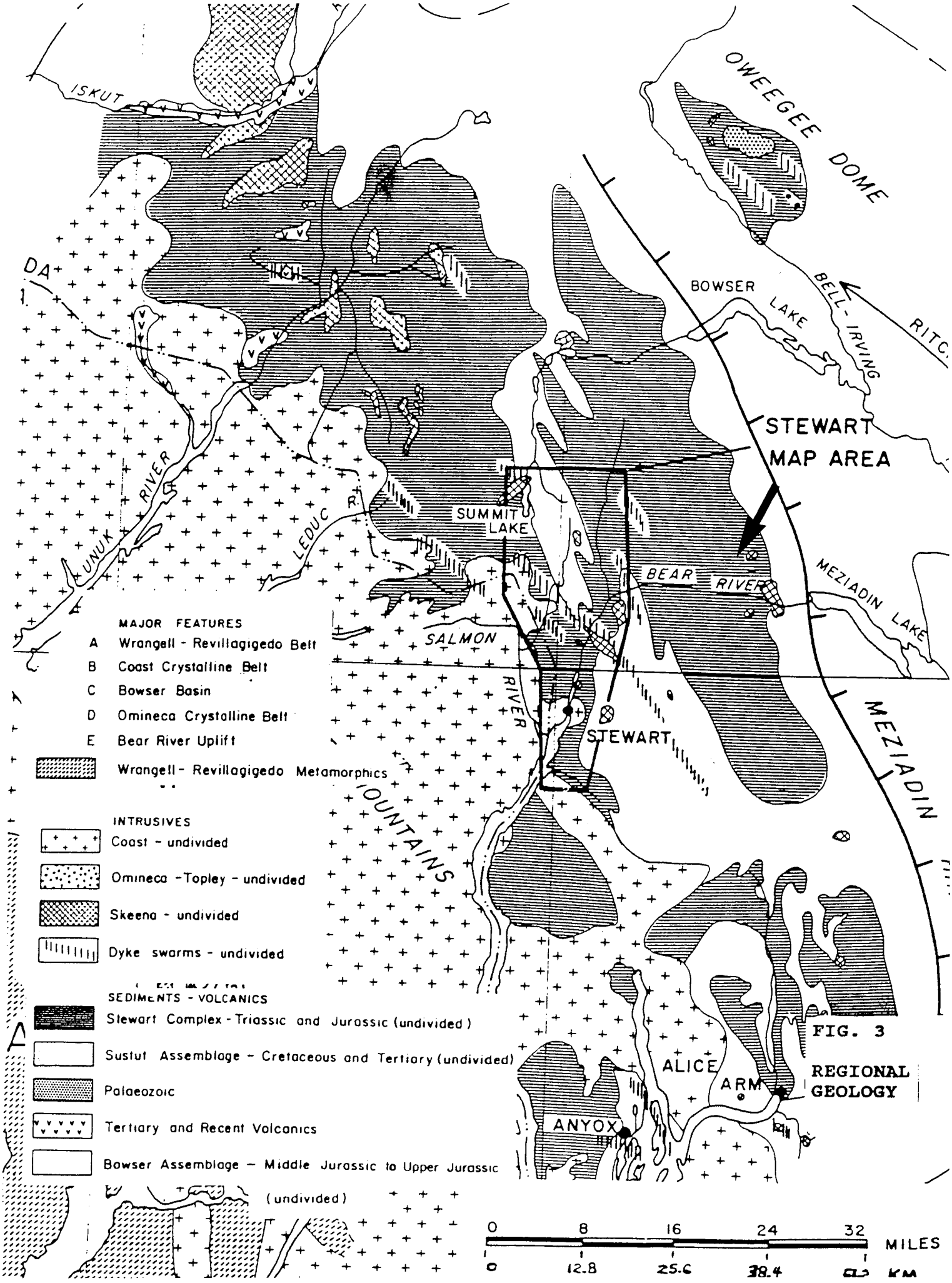


FIG. 3
REGIONAL GEOLOGY

Jurassic non-marine sediments with minor volcanics of the Salmon River Formation unconformably overlie the above volcaniclastic sequence.
The Unuk River Formation is at least 4500 metres thick, monotonous package of green andesitic rocks which include ash and crystal tuff, lapilli-tuff, pyroclastic breccia and lava flows.
The Betty Creek Formation represents another cycle of trough filling with a sequence of distinctively coloured red to green epiclastic rocks with interbedded tuffs and flows which range in composition from andesitic to dacitic.
The upper Lower Jurassic Mt. Dilworth Formation consists of a 20 to 120m thick sequence composed chiefly of variably welded dacite tuffs. Hard, resistant, often pyritic rocks of this formation often form gossaneous cliffs. Rocks of Mt. Dilworth Formation are important stratigraphic marker in the Stewart area.
The Middle Jurassic Salmon River Formation is a thick package of complexly folded sedimentary rocks which include banded, predominantly dark colored siltstone, greywacke, and sandstone with intercalated calcarenite rocks, minor limestone, argillite, conglomerate, littoral deposits, volcanic sediments and minor flows.
Overlying the above sequences are the Upper Jurassic Bowser Lake Group rocks. These rocks are exposed along the western edge of the Bowser Basin, they also occur as remnants on mountaintops in the Stewart area. These rocks consist of dark grey to black clastic rocks dominated by silty mudstone and thick beds of massive, dark green to dark grey, fine to medium grained arkosic sandstone.

A variety of intrusive rocks formed in the area during Early Jurassic and Tertiary periods. The granodiorites of the Coast Plutonic Complex largely engulf the Mesozoic volcanic terrain to the west. To the east, there are numerous smaller intrusions which range in composition from monzonite to granite. Some of them probably represent apophysis of the Coast plutonism, others are synvolcanic. Double plunging, northwesterly trending folds of the Salmon River and underlying Betty Creek Formations dominate the structural setting of the area.
For regional geology map see figure 3.

Property Geology

The following description of the property's geology is based on the observations made by the author during the rock and silt sampling program in 2005 as well as on reports from previous years by E.Kruchkowski and D. Cremonese, and GSC open file map by C. Greig (1994). For property geology map see figure 4.

The Surprise Creek claim group is underlain by a sequence of Jurassic clastic and volcanic rocks which trend north-south to northwest-southeast. The area is dominated by a major anticline, which displays eastern vergence. Bedding on a western limb of the anticline is generally shallow, in most cases ranging from 0 to 30 degrees. Measurements on the eastern limb indicate much steeper bedding, usually from 50 to 80 degrees. An area located close to the anticline's axial plane is occupied by reddish to maroon andesitic volcaniclastic and volcanic rocks of Betty Creek Formation. To the west and east of the anticline's axis there are felsic rocks of Mount Dilworth Formation. They form horizon, 70-200 metres wide, composed of apple green, light

gray or white coloured felsic volcanic rocks which include: flows (with flow banded texture), intrusions and pyroclastic rocks. Rocks of this formation were traced from claim #396848 (Frances 3), south to claims # 405241 (Pin 6) and 396836 (Trafalgar 3).
A detailed description of Mount Dilworth Formation rocks on the property is excerpted from a 2003 assessment report by E. Kruchkowski:
"Just to the west of Emma 3 claim, large gossaned areas are related to sericite alteration and subsequent infusion of quartz and sulfide mineralization. The most intensely altered zone extends from the west side of the northwest corner of the Emma 3 claim to just west of the Emma 6 claim. In these sericitic zones, it is very difficult to determine what the host rock is. This sericite alteration zone is located in a thick sequence of rhyolite breccia, which is correlated with the Mt. Dilworth formation. This sequence consists of coarse clasts forming up to 30% of the rock surrounded by grey fine-grained matrix. Individual clasts are angular, up to 15 cm in size consisting of porphyritic rhyolite. Feldspars, which are euhedral to subhedral shaped form 20 % of the material in the clasts. Within the rhyolite breccia, discontinuous lenses or blocks of massive banded hematite and magnetite are present. A regional iron formation that has been identified 10-15 kilometers to the southwest of the claim block occurs within the Bear River pass area. The massive hematite and magnetite may represent blocks of that formation that occurred in the vicinity of the rhyolite breccia and that have been incorporated into the formation.
Based on the thick sequence of the rhyolite breccia and the angular nature of the breccia clasts, it is speculated that this area of the Surprise claim group may represent a volcanic center in the Jurassic period.
North and south of the above sequence, rocks in the Mt. Dilworth formation consist of grey, fine-grained to glassy appearing rhyolites along a belt trending north across the Frances 3 claim and south along the Emma 1 and Trafalgar claims. It appears that the grey, fine-grained variety occurs along the west edge of the formation with a black glassy appearing variety in contact with the overlying Salmon River formation. The grey variety consists of small white rhyolite fragments up to 5 mm in a fine-grained ash matrix. Pyrite occurs as both fine-grained disseminations and as later veinlets filling cross cutting fractures."

East of the felsic rocks of Mount Dilworth Formation a monotonous sequence of thinly bedded mudstone, siltstone, tuffaceous chert, chert and cherty argillite belonging to Salmon River Formation are present. The pyrite-bearing black mudstones and argillites of this formation tend to weather to a rusty color. Still further east, rocks of Salmon River Formation are in contact with rocks of Bowser Lake Formation composed of dark gray, black, dark green mudstone and feldspatic greywacke.

Area to the west of the rocks of Mount Dilwoth Formation is underlined by a thick sequence of undivided felsic to mafic volcanic, pyroclastic and epiclastic rocks with subordinate amounts of intercalated sedimentary rocks which include: gray to black limestone, chert and mudstone. These rocks are part of Betty Creek Formation.

Parts of the Frances 3 and 4 claims are underlined by a medium grained quartz monzonite. At the contact with the monzonite, the mudstones of the Bowser Lake formation have been

452000E 454000E 456000E 458000E 460000E 462000E 464000E 466000E 468000E

6232000N
6230000N
6228000N
6226000N
6224000N
6222000N
6220000N

Todd Creek

Mt. Pattullo

ICE

Sarmatia Glacier

Ataman Glacier

Surprise Creek

Jagiello Glacier

Grunwald Glacier

Long Glacier

Short Glacier

Yvonne Peak

BOUNDARY PROPERTY

BOUNDARY PROPERTY

LEGEND

A BOWSER LAKE GROUP
Dark grey, black, dark green mudstone and greywacke

B SALMON RIVER FORMATION
Thinly bedded mudstone, siltstone, tuffaceous chert, chert and cherty argillite

C MOUNT DILWORTH FORMATION
Apple green, light grey to white coloured felsic volcanic rocks which include: flows, intrusions and pyroclastic rocks

D BETTY CREEK FORMATION
Undivided reddish to maroon andesitic volcanoclastic and volcanic rocks

E Undivided felsic to mafic volcanic, pyroclastic and epiclastic rocks with subordinate amounts of sedimentary rocks which include: grey to black limestone, chert and mudstone

Approximate Lithological Contact

Anticline

Bedding, estimated:
vg = very gentle (0-20°)
g = gentle (20-40°)
m = moderate (40-60°)

Ice, snow boundary

Property Boundary

METRES
0 500 1000 1500 2000

PINNACLE MINES LTD.

SURPRISE CREEK PROJECT
SKEENA MINING DIVISION, B.C.

PROPERTY GEOLOGY MAP

NTS:	104A/4	SCALE:	1:50,000
DATE:	November, 2005	FIGURE:	4

transformed to a weak biotite hornfels with the addition of small amounts of pyrrhotite and lesser pyrite."

Mineralization

Surprise Creek property features several types of mineralization of which only the most significant ones are presented here.

Types of mineralization found both in place and float:

1. Extremely fine grained syngenetic pyrite, sphalerite and galena with high silver, mercury, and manganium hosted in black chert, limestone and mudstone.
2. Banded iron formation
3. Chalcopyrite and molybdenite bearing quartz-pyrite-pyrrhotite veins and pods related to intrusion of quartz monzonite.

Types of mineralization found in float only:

4. Very strongly silicified trachyte/latite with pyrite, sphalerite, galena, and chalcopyrite.
5. Precious metals bearing quartz with pyrite, arsenopyrite, chalcopyrite, galena, sphalerite and tetrahedrite.
6. Quartz with sphalerite and galena.

Figure 5 shows distribution of the above listed types of mineralization.

The first type of mineralization i.e. extremely fine grained syngenetic pyrite, sphalerite and galena with high silver, mercury and manganium hosted in black chert, limestone and mudstone is by far the most promising of all mineralization types found on the property to date. This type of mineralization can be found mostly in numerous boulders and to much lesser extent in place. Most often, it occurs in intercalated black chert, limestone and mudstone, which form layers a few cm thick. The layers very often display strong soft sediment deformation, frequently forming synsedimentary breccia. Sulphides form thin laminae and disseminations, often concentrating in the matrix of synsedimentary breccia. Petrographic study confirmed that sulphides formed during deposition process along with chert and limestone. The best proof of this can be seen in sample A05-155 where pyrite and sphalerite occur as cement between oolites. Contents of zinc, lead, silver and mercury vary in a broad range from slightly elevated values to the highs of 7.61% for zinc, 1.1% for lead, 106 g/t for silver, and 33,800 ppb for mercury.

The biggest concentration of boulders with this type of mineralization occurs within two middle moraines along Jagiello glacier (see Fig. 5). In fact, one of those moraines is dominated by boulders with this type of mineralization. One can walk along these moraines from the glacier's toe to a manganese stained horizon (at least 30-40 metres wide), located along the bottom of a big cliff, at the head of Jagiello glacier. The horizon is conformable with the bedding in this area i.e. it is striking north-south and dipping gently (15-20 degrees) to the west. Access to the horizon is difficult, since it is located just above the densely cracked ice and snow field, as a result no samples were taken. In the same general area, several grab and chip samples were collected from a few similar but much smaller (1-4 metres wide) horizons associated with 1-3 metres wide horizons of banded iron formation. The samples, composed of black chert,

452000E
454000E
456000E
458000E
460000E
462000E
464000E
466000E
468000E
6232000N
6230000N
6228000N
6226000N
6224000N
6222000N
6220000N
Todd Creek
Mt. Pattullo
ICE
Sarmatia Glacier
Ataman Glacier
Creek
Surprise Creek
Iggiello Glacier
Grunwald Glacier
Long Glacier
Short Glacier
BOUNDARY
PROPERTY
Yvonne Peak
N

LEGEND

Area with float

Occurrences in place

TYPES OF MINERALIZATION

Extremely fine grained syngentic pyrite, sphalerite and galena with high silver and mercury hosted in black chert, limestone and mudstone

Banded iron formation

Chalcopyrite and molybenite bearing quartz-pyrite-pyrrhotite veins and pods related to quartz monzonite

Strongly silicified trachyte/latite with pyrite, sphalerite, galena and chalcopyrite

Precious metals bearing quartz with pyrite, arsenopyrite, chalcopyrite, galena, sphalerite and tetrahedrite

Quartz with sphalerite and galena

Ice, snow boundary

Property Boundary

METRES
0 500 1000 1500 2000

PINNACLE MINES LTD.

SURPRISE CREEK PROJECT
SKEENA MINING DIVISION, B.C.

DISTRIBUTION OF DIFFERENT TYPES OF MINERALIZATION

NTS:	104A/4	SCALE:	1:50,000
DATE:	November, 2005	FIGURE:	5

limestone and mudstone with the same type of syngenetic mineralization found in the boulders returned anomalous values in Zn, Pb, Ag and Hg. One of the samples, a 1.5 m chip from strongly limonitic limestone/mudstone with minor hydrozincite stain yielded 1.91% Zn, 0.76%Pb, 48.6 g/t Ag and 8,000 ppb Hg. Assays of boulders deriving from the head of Jagiello glacier yielded the following heights: 7.61% Zn, 1.1% Pb, 60.5 g/t Ag and 10,000 ppb mercury. Locations of samples from this and other areas are presented in figure 6. Geochemical results of all the samples are presented in appendix II.

Another area with boulders containing this type of syngenetic mineralization is located in the vicinity of Grunwald glacier. This area contains few such boulders. However, all four float samples collected there returned highly anomalous values in Zn, Pb, Ag and Hg which are presented below:

Sample A05-151 of chert/limestone with minor galena assayed 0.24% Zn, 0.23% Pb, 28.5g/t Ag and 1100 ppb Hg. Sample A05-152 of chert/limestone with 1% disseminated sphalerite and trace galena assayed 0.85% Zn, 0.13% Pb, 10.3g/t Ag and 1180 ppb mercury. Sample A05-153 of limestone with 1.0% disseminated to streaky sphalerite and 1% pyrite returned 1.1% Zn, 0.11% Pb, 11.0 g/t Ag and 1200 ppb Hg. Sample A05-158 of chert with 2 bands of sulphides yielded 0.3% Zn, 0.2% Pb, **106 g/t Ag and 33800 ppb Hg.**

Also in the same general area, a grab sample from an outcrop of mudstone with some extremely fine disseminated sulphides returned 0.47% Zn and 640ppb Hg.

Area along Long glacier feature few boulders with the first type of mineralization. They yielded moderately elevated values in zinc (up to 0.21%) and lead (up to 700ppm).

Area along Short glacier features numerous boulders with the same type of mineralization. The highest values from this area are as follow: 0.99% Zn, 0.9% Pb, 20.9 g/t Ag and 11,000 ppb mercury. One float sample (A05-187) assayed also 0.788% Cu, but its syngenetic origin is not certain.

In the area of Ataman and Sarmatia glaciers float of sedimentary rocks with syngenetic pyrite, sphalerite and galena can still be found (Fig. 5). Several float samples from this area returned relatively weak (compared to the other areas) but still significant values in Zn (up to 0.54%), Ag (up to 15.8g/t) and Hg (up to 410 ppb).

The second type of mineralization - banded iron formation was found in place in 3 locations on the property (see Fig. 5). The main occurrence is located on the northern side of Jagiello glacier, very close to the ice. In this location, banded iron formation is composed of intercalated laminae of white silica, jasper and magnetite 0.2 to 2.0 cm thick. The laminae often display soft sediment style of deformation. Locally there are zones of synsedimentary breccia composed of angular to semirounded fragments of laminated white silica, jasper and magnetite cemented by magnetite. In the middle of the horizon, there is a few metres wide layer of andesite tuff. The total width of banded iron formation in this location is 15-20 m. It is striking 310 degrees and dipping about 70 degrees to the northeast. To the northeast it is in contact with andesite lapilli-tuff. Occurrences of banded iron formation in 2 other locations are much smaller, they measure only 1-3 metres in thickness.

The third type of mineralization consists of quartz-pyrite-pyrrhotite veins and pods, which sporadically contain minor amounts of chalcopyrite, molybdenite and rare fluorite. These veins

are up to 0.5 metres wide and up to 20-30 metres long, but one of the veins was traced for 300 metres. The veins (pods) are spaced at least 20 metres apart from each other and have variable orientation. They are hosted within biotite hornfels formed from mudstones at the contact with quartz monzonite. The highest assay for copper (0.118%) came from a grab sample (CK05-3) taken from a pod of massive pyrrhotite and pyrite. The highest assay for molybdenum (0.004%) came from 2-3 cm wide quartz-pyrite-pyrrhotite vein. Assays from float were higher - 0.134% for copper and 0.723% for molybdenum.

The fourth type of mineralization can be found only in a few dozen boulders occurring at the toes of Jagiello, Grunwald and Short glaciers. They contain in order of abundance pyrite, sphalerite, galena and chalcopyrite which form disseminations and scattered small patches. Samples from these boulders collected in 2005 assayed up to 2.46% Zn, up to 1.19% Pb and up to 106 g/t Ag. Samples from previous years yielded up to 5% of combined Zn and Pb, up to 2.8% Cu and up to 213 g/t Ag. The boulders also feature highly anomalous mercury of up 147,000 ppb i.e. 1000 times above the background level. On the surface, boulders carrying this type of mineralization are off-white colour with patches of manganese stain. They are semirounded to rounded, reaching 2.0 metres across in size. Petrographic study of several thin sections prepared from these boulders revealed the wide spread presence of primary K-feldspar which was detected in 8 out of 9 thin sections. Based on this study, rocks comprising these boulders were classified as trachyte/latite. The primary minerals of these rocks are to large degree replaced by mosaic of very fine grained quartz. A late mineralization-alteration assemblage composed of coarse-grained quartz, carbonates, muscovite/sericite and sulphides (pyrite, sphalerite, galena and chalcopyrite) partly replaced all previously formed minerals. Samples CK-27 and A05-147(2) contain also barite.

The fifth type of mineralization was spotted only in float on the southern side of Long glacier. Boulders carrying this type of mineralization are up to 1.0 m across and are composed of fragments of quartz veins (pods) and stockwork zones with coarse grained pyrite with lesser pyrrhotite, arsenopyrite, chalcopyrite, galena, sphalerite and tetrahedrite. Samples with this type of mineralization collected in 2005 assayed up to 2.0 g/t Au, 86.1 g/t Ag, 1468 ppm Cu, 1368 ppm Zn and 3421 ppm Pb. Samples with similar mineralization collected in previous years yielded up to 13 g/t Au and up to 371 g/t Ag.

The sixth type of mineralization found on the property consists of very angular quartz boulders with up to 20 % sphalerite, minor galena and chalcopyrite. They were found only on the south side of Jagiello glacier, close to its toe. Several of these boulders up to 0.5 metres in size were found directly beneath a large rusty cliff believed to be the source of the boulders. The cliff itself consists of felsic rocks of Mount Dilworth Formation. The highest assay results for this type of mineralization are as follow: 10.7% for Zn, 1.38% for Pb, 49 g/t Ag and 0.123% Cu. The assays also revealed very anomalous mercury with the high of 63,000 ppb.

GEOCHEMISTRY

Introduction

Locations and results of rock and silt geochemical samples collected from Surprise Creek property during 2005 exploration program are presented in figure 6. Samples locations were determined using GPS (NAD83). Icefield boundaries have been taken from the most recent government topographic maps; however, ablation in the Stewart area during the past years has exposed much new rock outcrop and substantially reduced the size of snow and ice cover.

Altogether 279 rock and 8 silt samples were collected during the entire program. All samples were analyzed by Assayers Canada, in Vancouver, British Columbia. Most of the rock samples were assayed for gold, silver, copper, zinc, lead and mercury. Some samples from Frances claims were assayed for gold, silver, copper and molybdenum. Most of the rock samples and all silts were analyzed for 30 elements ICP.
Complete geochemical results are presented in appendix III.

Field Procedure and Laboratory Technique

Rock samples were taken in the field with a prospector's pick and collected in standard plastic sample bags. Weight of individual samples ranged from 0.5 to 2.0 kgs. Descriptions of the rock samples are presented in appendix I.
Rock samples were first crushed to minus 10 mesh (70 % of sample) using jaw and cone crushers. Then 250 grams of the minus 10-mesh material was pulverized to minus 150 mesh using a ring pulverizer. A modified Aqua Regia solution is added to each sample and leached for 1 hour at greater than 95 degrees Celsius. The resulting solution was then analyzed by atomic absorption. The analytical results were then compared to prepared standards for the determination of the absolute amounts. For the determination of the remaining trace and major elements Inductively Coupled Argon Plasma (ICP) was used. In this procedure a 0.5-gram portion of the minus 140-mesh material is digested with aqua regia for 1 hour at 95 degrees Celsius and made up to a volume of 20 mls prior to the actual analysis in the plasma. Again the absolute amounts were determined by comparing the analytical results to those of prepared standards.
Laboratory procedures for specific metals are presented below:

Procedure summary for gold fire assay:
Lead flux and silver inquart are added to the sample and mixed. Samples are fused in batches of 24 assays along with natural standard and a reagent blank. This batch of 26 assays is carried through the whole procedure as a set.
After cuppelation (which removes lead), the precious metal bead the precious metal bead is parted in nitric acid to remove the silver. The remaining gold bead is either weighted (gravimetric finish) or dissolved in aqua regia and analyzed on atomic adsorption spectrometer,

using a suitable standard set. The natural standard fused along with the sample set must be within 2 standard deviations of its known value or the whole set is re-assayed.
10% of the samples in a set are re-assayed and reported in duplicate, along with the standard and reagent blank.
Detection limit: 0.01 g/tonne

Procedure summary for copper, lead, zinc, silver, and molybdenum assays:
A 1.000 gram sub-sample is weighed from the pulp bag for analysis. Each batch of 30 assays has three duplicates, two natural standards and a reagent blank included. The samples are digested with HNO_3, HBr, and HCl. After digestion is complete, extra HCl is added to the flask to bring the concentration of HCl to 25% in solution. This is to prevent precipitation of lead and silver chloride. The resulting solutions are analyzed on an atomic absorption spectrometer (AAS), using appropriate calibration standard sets.
The natural standard(s) digested along with this set must be within 2 standard deviations of the known or the whole set is re-assayed. If any of the samples assay over the concentration range of the calibration curve, the sample is re-assayed using a smaller sample weight. At least 10% of samples are assayed in duplicate.
Detection limit: 0.001% for Copper, 0.001% for molybdenum, 0.01% for lead, 0.1 g/tonne for silver, 0.01% for zinc

Procedure summary for mercury:
A 0.1 gram sub-sample is weighed from the pulp bag for analysis. Each batch of 30 samples has three duplicates, one natural standard and a reagent blank included. The samples are digested with 25ml HNO3 and 5ml HCl at 125 deg. C. for 2 hours.
The resulting solution is analyzed on cold vapor atomic absorption spectrometer, using appropriate calibration standard sets.
The natural standard digested along with each set must be within 2 standard deviations of the known or the whole set is re-assayed. If any of the samples assay over the concentration range of the calibration curve, the sample is re-assayed using a smaller sample weight. At least 10% of samples are assayed in duplicate.
Detection limit: 1 ppb

Statistical Treatment of Data

In this program (similarly as in other small geochemical surveys) a statistical treatment of geochemical data according to standard methods was not considered practical as anomalous values for specific metals would vary considerably depending on the rock type. Instead, the author has chosen anomalous levels for specific metals by reference to several other geochemical programs conducted on other properties in the Stewart area over the last 15 years. On this basis, the following anomalous levels are considered anomalous on Surprise Creek property and elsewhere in the Stewart area: gold values greater than 100 ppb, silver values greater than 3.2 ppm, lead values greater than 160 ppm, zinc values greater than 320 ppm, and copper values greater than 200 ppm, mercury values greater than 200 ppb.

PETROGRAPHIC STUDIES

Petrographic study consisted of microscopic examination of 18 thin and polished thin sections. The main purpose of this study was to confirm the syngenetic nature of zinc, lead and silver mineralization found in sedimentary rocks; as well as to identify the primary rock(s) of very strongly silicified boulders with pyrite, sphalerite, galena and chalcopyrite. The study was successful in solving both these problems. The summary of this report is presented below.
A full petrographic report is presented in Appendix II.

SUMMARY OF PETROGRAPHIC REPORT FOR SURPRISE CREEK PROPERTY

Seven polished thin sections were prepared from the samples of chert/limestone with zinc, lead, silver and mercury mineralization. Of these, 3 samples were identified as chert/limestone, one as limestone, one as laminated chert/ sulphides, one as synsedimentary chert/limestone breccia, and one as carbonate oolites cemented by sulphides. Sulphides are represented by pyrite (except sample A05-165 which contains mostly pyrrhotite) with lesser sphalerite, minor galena and trace chalcopyrite. They occur mostly as disseminated small, anhedral grains and patches, which often form streaks and laminae; in sample A05-155 they also form cement between oolites. Sulphides are syngenetic, formed during the deposition process along with chert and limestone.

Nine thin and polished thin sections were examined from very strongly silicified rocks with disseminated pyrite, sphalerite, galena and chalcopyrite. Three samples (A05-129, A05-130, A05-134A) were identified as trachytes composed of K-feldspar phenocrysts set in a fine grained groundmass dominated also by K-feldspar. Sample CK-27 was identified as latite. The primary rocks of four other samples (Ed's 18, Ed's 22, A05-140 and A05-147-1) were not determined due to almost complete replacement by secondary minerals. Their primary rock most likely was also trachyte or latite as indicated by the fact that K-feldspar was the only primary mineral noted in these samples. One sample (A05-147) was completely replaced by secondary minerals. All nine samples were to various degrees silicified. i.e. replaced by mosaic of very fine grained quartz. A late assemblage composed of coarse grained quartz with lesser amount of carbonates, muscovite/sericite and sulphides partly replaced all previously formed minerals.

Samples A and C collected from nunataks located just to the west from the heads of Jagiello and Grunwald glaciers were identified as trachytes.

CONCLUSIONS AND DISCUSSION

The Surprise Creek property features abundant and diverse mineralization. There is a strong indication that the property may host Kuroko type VMS deposit, possibly with high precious metals content. This conclusion is based on the following facts:

1 Presence of syngenetic zinc, lead and silver mineralization hosted in black chert, limestone and mudstone. Values up to 7.61% Zn, 1.1% Pb and 106 g/t Ag were obtained

from these rocks. High mercury values, typically in the range of 40 to 100 times above the background level (with the high of 33,800 ppb) are closely associated with this type of mineralization.

2 This syngenetic mineralization is spatially associated with the felsic volcanic rocks of Mt. Dilworth Formation, the same stratygraphic horizon which hosts Eskay creek deposit. On the property, felsic volcanic rocks of this formation form a relatively thin horizon 70 to 200 metres wide within prevailing volcanic rocks of intermediate to mafic composition.

3 Presence of an eruption center located in the Surprise Creek area as indicated by outcrops of rhyolite (?) flow with distinct flow banding, as well as rhyolite (?) breccia.

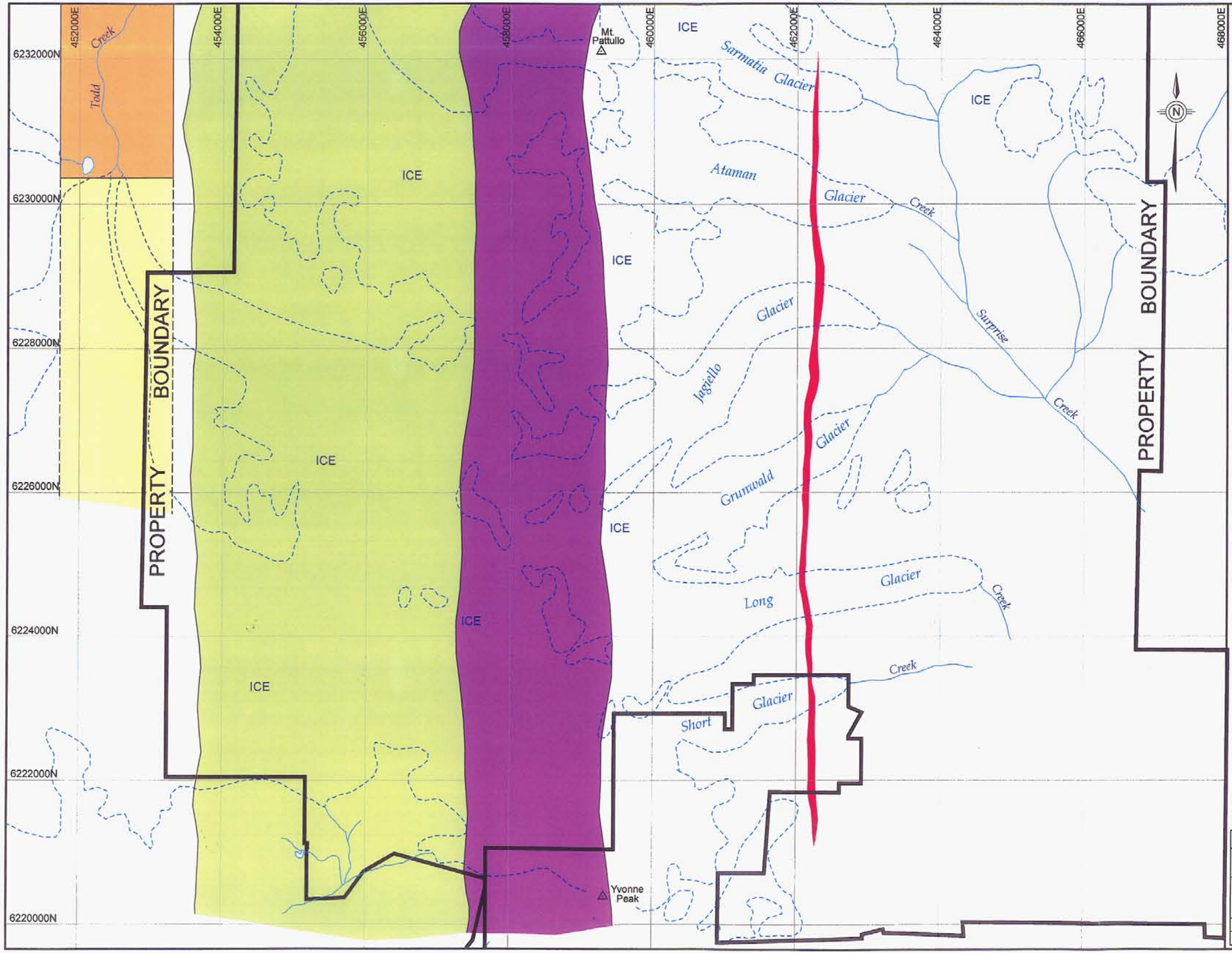
4 Presence of banded iron formation

5 Nearby presence (Todd Creek) of a big copper-gold epithermal system comprised of numerous pyrite-chalcopyrite dominated veins and stringers. This system very likely represents the footwall-stringer zone of Kuroko type VMS system.

A great majority of sedimentary rocks with syngenetic zinc, lead and silver mineralization occur as boulders forming two middle moraines within Jagiello glacier. These moraines derive from a big manganese stained horizon (at least 30-40 metres thick) at the head of Jagiello glacier. Orientation of this horizon is conformable with the bedding of sedimentary and pyroclastic rocks from this area i.e. north-south strike and 20 degrees deep to the west.
Except Jagiello glacier, float with the same mineralization was also noted in the area of Short, Long, Grunwald, and Sarmatia glaciers, i.e. over a distance of ten kilometers.
The best explanation for the occurrence of numerous mineralized boulders over such a long distance is the presence at the heads of the above mentioned glaciers of an extensive horizon(s) with this type of mineralization. This horizon(s) most likely represents a distal facies (halo) of Kuroko type VMS system as indicated by the lack of volcanic material and alteration, and also by the fact that zinc is by far the most abundant metal with much less lead and no copper.
This horizon(s) may extend still further north as the area north of Sarmatia glacier was not examined. North of Ataman glacier float of sedimentary rocks contains only minor amounts of zinc, lead, silver and mercury indicating possible weakening of mineralization in this direction. Such conclusion however is not certain as the abundance and the intensity of float mineralization depends on several factors of which the depth of glacial erosion and a distance from the vent area are important but not the only contributing factors.

In a few spots located at the head of Jagiello glacier there are a few small horizons (1 to 4 metres thick) with the same type of syngenetic mineralization as in the float. Several grab and chip samples collected from these horizons returned anomalous values in Zn, Pb, Ag and Hg. A 1.5 metres chip sample assayed 1.91% Zn, 0.76% Pb, 48.6 g/t Ag and 8,000 ppb Hg. These mineralized horizons are associated with layers of banded iron formation 1 to 3 metres wide.

Mineralization occurring along Todd Creek, just west of the property (see Fig. 2 and 4) is defined in the MINFILE as Noranda/Kuroko massive sulphides and subvolcanic Cu-Ag-Au (As-Sb). Todd Creek area in underlain mostly by andesitic flows, flow breccias, agglomerates and tuffs. The area encompasses four prospects and 8 showings which feature numerous pyrite-chalcopyrite-quartz+/-barite+/-hematite veins, stringers, breccia veins and fracture zones, many



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SURPRISE CREEK PROJECT

SKEENA MINING DIVISION, B.C.

SKETCH SHOWING APPROXIMATE LOCATION OF DIFFERENT PARTS OF PRESUMED KUROKO TYPE VMS SYSTEM IN TODD CREEK - SURPRISE CREEK AREA

NTS: 104A/4	SCALE: 1:50,000
DATE: November, 2005	FIGURE: 7

of them caring substantial amounts of gold. The largest of the prospects, (South zone) is reported to contain inferred geological reserves of 207,000 tonnes grading 5.48 grams per tonne gold (Hemlo Gold Mines Inc. Annual Report, 1988). From the work of Noranda and Island-Arc Resources "it appears the mineralized zones (at Todd Creek) are all part of a larger epithermal gold system striking north to south through the length of the property. The system defined to date is seven kilometers long, up to 1.5 kilometres wide and has a 1.1 kilometre vertical extent. " (MINFILE occurrence no. 104A 001).

In conclusion, the gold bearing pyrite-chalcopyrite dominated veins and stringers of Todd Creek area and the black chert, limestone and mudstone with syngenetic zinc, lead and silver mineralization of Surprise Creek area probably represent two different parts of the same Kuroko type VMS system. The former represents the footwall-stringer zone and the latter distal zone (halo) of this system (see Fig. 7). This in turn implies that massive sulphide body of Kuroko type can be located somewhere between these two zones. Substantial amount of gold in the presumed footwall-stringer zone and the abundance of silver in the distal zone indicate the potential for the occurrence of precious metals-rich Kuroko type VMS deposit.

The source of boulders composed of very strongly silicified trachyte/latite with pyrite, sphalerite, galena and chalcopyrite is not known. Interestingly, two petrographic samples collected from two nunataks located just to the west from the heads of Jagiello and Grunwald glaciers were identified as trachytes, what in turn point to this area as the likely source of the boulders. The relationship of these boulders to the property's VMS system is not clear at the present time.

RECOMMENDATIONS

For 2006 exploration season the following exploration program is proposed:

1 **Airborne survey**
Due to very difficult access to the area and target type (a large, massive sulphide body) this type of geophysical survey is considered best for Surprise Creek property
A total of 500 line-kilometers along lines 100 metres apart are planned for the survey.

2 **Drilling**
Drilling is planned as a follow up to airborne survey. Four to six holes 300 to 500 m deep are planned for the program.

3 **Prospecting/reconnaissance mapping**
Areas not prospected during 2005 exploration program, especially an area north of Mt. Patullo should be carefully examined. Special attention should be paid for any signs of syngenetic mineralization within sedimentary rocks. Recently, Geological Survey of Canada conducted a silt survey in this area (D. Alldrick, personal communication) and results should be available soon. All silt samples from this area anomalous in Cu, Ag, Pb, Zn and Hg should be investigated.

Estimated Cost of the Program

Airborne survey

500 line-kilometers @ $120/line kilometer.....$60,000
Accommodation, food, mob/demob.....$20,000
Total.....$80,000

Drilling program

A total of 2,000 metres of drilling @ $270/a meter (including camp costs).....$540,000
Helicopter support.....$150,000
Assaying.....$20,000
Geological supervision..... $10,000
Reporting/drafting.....$10,000
Contingency.....$70,000
Total.....$800,000

Prospecting/reconnaissance mapping

Geologist, 30days@300 dollar/a day.....9,000
Field assistant, 30 days @170 dollars/a day 5,100
Helicopter support.....52,000
Accommodation and food.....7,000
Vehicle rental..... 2000
Assaying..... 7,900
Filing fees..... 10.000
Report..... ..7.000
Total.....$100,000

Total program cost.....$980,000

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12. MINFILE

CERTIFICATE OF AUTHOR'S QUALIFICATIONS

I, Alojzy Aleksander Walus, of 8546-164 Street, Surrey, in the Province of British Columbia, do hereby certify that:

1. I am a graduate of the University of Wroclaw, Poland and hold M.Sc. Degree in Geology.

2. I am a consulting geologist working on behalf of Pinnacle Mines Ltd.

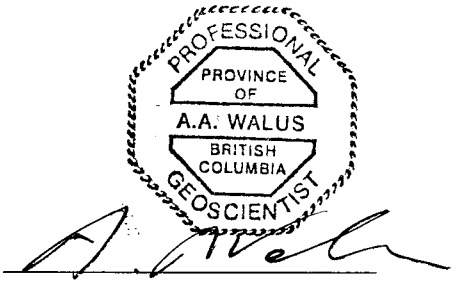
3. I have worked in British Columbia from 1988 to 2005 as a geologist with several exploration companies.

4. I am a member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

5. This report is based on my work completed on the Surprise Creek property in August and September 2005, as well as on work completed by previous operators of the property. The author also has a general knowledge on the Stewart region gained during exploration programs in the period 1988 - 2005.

6. I am familiar with VMS deposits having visited and worked on these types of deposits in the Stewart and other areas.

7. I authorize Pinnacle Mines Ltd. to use information in this report or portions of it in its prospectus, any brochures, promotional material or company reports and consent to placing this report in the public file of the Canadian Venture Exchange.



DATED AT VANCOUVER, B.C., November 25, 2005----------Alojzy A. Walus, P.Geo.

STATEMENT OF EXPENDITURES – EVENT #4047534

Field Personnel - August 01 to September 05, 2005	
E. R. Kruchkowski, geologist	
6 days at $400.00/day	$2,400.00
C. D. Kruchkowski, geologist	
22 days @ 300.00/day	$6,600.00
A.Walus, geologist	
22 days@ 233.00/day	$5,126.00
S. Kruchkowski, geological assistant	
16 days @t $200.00/day	$3,200.00
J. Morrison, geological assistant	
22 days @ $200/day	$4,400.00
Helicopter-Prism Helicopters based in Stewart, B.C. Crew drop-offs and pick-ups on August 1, 5, 12; September 4 and 5, 2005	
5.2 hours at $1126.18/hour	$5,856.13
Sample analysis	
7 silt samples @ $16.5/ a sample and	
189 rock samples @ $36.3/ a sample	$6976.18
Sample shipments	$432.24
Vehicle rental and gas for two vehicles	
One rented for 22 days, second for 16 days	$2,314.67
Camp equipment, materials, supplies, sample bags etc.	$2576.72
Camp food for 20 days	$2,730.10
Food and accommodation in Stewart	
10 man/days@$121.4/a day	$1214.25
Petrographic study	
18 thin sections (including preparation)	$2,500.00
Shared costs of report writing, drafting and copying	
(Prorated @68.6% of $5,500)	$3,773.00
Total	**$50,099.29**

STATEMENT OF EXPENDITURES – EVENT # 4056049

Field personnel – September 09 -22, 2005

A. Walus, geologist 6 days @233/day	$1,398.00
S. Kruchkowski, geological assistant 6 days @200/day	$1,200.00
Helicopter-Prism Helicopters based in Stewart, BC Crew drop-offs and pick-ups on September 9-12, 17, 22 3.7 hours at $1126.18/hour	$4,166.86
Sample analysis, 75 rock samples @ $35.0/a sample	$2,625.00
Food and accommodation in Stewart 10 man/days@ $120.6/a day	$1,206.20
Vehicle rental and gas for 6 days	$355.67
Report writing, drafting and copying (prorated @ 25.8% of $5,500	$1419.00
Total	**12,370.73**

STATEMENT OF EXPENDITURES – EVENT #4048114

Field personnel – period from August 25 to September 12, 2005

A.Walus, geologist 5 days @ $233/day	$1165.00
S.Kruchkowski, geological assistant 5 days@ @200/day	$1000.00
Vehicle rental and gas for 5 days	$254.76
Food and accommodation in Stewart 8 man/days @ 122.9/a day	$983.40
Sample analyses, 15 rock samples @ $38.0/a sample	$570.58
Sheared costs of report writing, drafting and copying (Prorated at 5.6%)	$336.00
Total	**$4,309.74**

APPENDIX I

ROCK SAMPLES DESCRIPTION

SURPRISE CREEK ROCK SAMPLES DESCRIPTIONS

GPS coordinates of the samples (in brackets) are in NAD 83

A05-90 (465521, 6232180)
Float of quartz breccia cemented by pyrrhotite with minor chalcopyrite.
A05-91 (465521, 6232180)
Float of quartz with semimassive pyrite.
A05-92 (465506, 6232164)
Float of black chert with extremely fine grained disseminated sulphides.
A05-93 (465491, 6232170)
Float of greywacke with some extremely fine disseminated sulphides.
A05-94 (465484, 6232156)
Small float of quartz with 5% coarse pyrite and trace molybdenite.
A05-95 (465489, 6232156)
Small float of pyrrhotite/pyrite cemented quartz breccia
A05-96 (455489, 6232156)
Float of semimassive pyrrhotite.
A05-97 (465481, 6232140)
Small, fist size float of quartz with 3-5% pyrite and 1% molybdenite.
A05-98 (465425, 6231661)
Grab from 2-3 cm wide quartz vein with 5-10% pyrite and pyrrhotite. Orientation 246 degrees with moderate west dip. Host rock - biotite hornfels.
A05-99 (465420, 6231647)
Chip across quartz vein 0.4 metres wide with 5-10% pyrite, pyrrhotite and minor chalcopyrite. Orientation - 220 degrees with steep eastern dip.
A05-100 (465433, 6231587)
Chip across 10 cm wide quartz vein with 1-2% pyrite and trace chalcopyrite. Orientation 70 degrees with moderate eastern dip.
A05-101 (465442, 6231579)
Chip across 0.3 metres wide quartz vein with both very fine and very coarse pyrite (total 10-15%). Drusy cavities, orientation - 40 degrees with vertical dip. The vein can be traced for 5 metres. The vein was a possible target for an old drilling.
A05-102 (465470, 6231434)
Grab from mudstone with 10-15% of extremely fine disseminated sulphides.
A05-103 (465513, 6231337)
Huge angular float (a few metres across) of slightly hornfelsed argillite with several percent of extremely fine grained sulphides.
A05-104 (465395, 6231209)
Grab from very strongly sericitized fine grained monzonite (?) with 7-10% disseminated pyrrhotite.
A05-105 (465360, 6231090)
Grab from 5 cm wide quartz vein with 3-5% pyrrhotite, trace molybdenite and minor unidentified gray mineral. Orientation - 340 degrees with shallow eastern dip.
A05-106 (465476, 6230972)
Float from suboutcrop of siltstone with extremely fine grained semimassive sulphides.

A05-107 (465513, 6230907)
Float from suboutcrop of black mudstone with several % of extremely fine disseminated sulphides.
A05-108 (464744, 6231269)
Float from suboutcrop of limonitic quartz.
A05-109 (464883, 6231454)
Float (fist size) of massive arsenopyrite (?) and 5-7% pyrite
A05-110 (465300, 6231804)
Chip across 0.45 m wide quartz vein with 3-5% pyrrhotite. Vein can be traced for at least 300 metres. Orientation - 70 degrees with vertical dip.
A05-111 (464200, 6232157)
Float of quartz-carbonate altered rock, weak limonite stain, no sulphides.
A05-112 (463092, 6231521)
Float of mudstone/mudstone breccia with several percent extremely fine grained disseminated sulphides.
A05-113 (464200, 6231521)
Mudstone with several percent of extremely fine grained sulphides forming crude banding.
A05-114 (462987, 6231400)
Float, breccia composed of mudstone and chert fragments with 5-10% extremely fine grained sulphides in the matrix.
A05-115 (462925, 6231308)
Float of greywacke/conglomerate with several percent extremely fine grained pyrite in the matrix.
A05-116 (462966, 6231259)
Float of platy mudstone with hydrozincite stain.
A05-117 (462977, 6231243)
Float (huge boulder several metres across) of sericitized breccia with some extremely fine grained pyrite.
A05-118 (462868, 6231292)
Float of sericite-quartz-clays (?) altered vuggy rock. Abundant limonite and manganese stain.
A05-119 (462868, 6231312)
Float of quartz-carbonate replaced rock, vuggy. Abundant limonite and manganese stain.
A05-120 (463486, 6230463)
Float of chert with a few percent of extremely fine grained disseminated sulphides.
A05-121 (463347, 6230313)
Same as A05-120
A05-122 (463303, 6230128)
Float of mudstone/chert with some extremely fine grained disseminated sulphides.
A05-123 (463294, 6229996)
Float of black limestone with a few percent of fine disseminated sulphides.
A05-124 (463216, 6229974)
Grab from a chert bed with some extremely fine grained disseminated sulphides.

A05-125 (463250, 6230031)
Small boulder of mudstone with a few percent of extremely fine disseminated sulphides.
A05-126 (465667, 6232303)
Float (2.0 x 1.5m) of fine grained monzonite (?) strongly quartz-sericite altered with 15-20 % of disseminated pyrrhotite and pyrite.
A05-127 (465639, 6232044)
Float of weak biotite hornfels with 5-10%pyrrhotite and pyrite.
A05-128 (463480, 6228161)
Small float of chert with 1-2% sphalerite, minor galena and trace malachite.
A05-129 (463480, 6228161)
Float of chert or very strongly silicified rock with 1-2% of combined sphalerite and galena.
A05-130 (463551, 6228098)
Float of very strongly silicified rock with 3-4% pyrite, minor sphalerite and trace galena. The rock is white with patches of manganese stain on the surface and is cut by quartz veinlets.
A05-131 (463453, 6228211)
Float of chert, possible some extremely fine disseminated pyrite.
A05-132 (463261, 6228185)
Huge float (1.5m x 1.0m) of intercalated chert and limestone with soft sediment deformation. It contains 1% pyrite and trace galena, strong limonite and manganese stain on the surface.
A05-133 (463261, 6228185)
Small float lithologically very similar to previous boulder. It contains extremely fine disseminated pyrite, minor sphalerite and hydrozincite stain.
A05-134 (462892, 6228270)
Float (0.7m x 0.5m) of andesite pyroclastics (?) with 3-5% sphalerite, 1% galena and 2% pyrite. Sulphides are concentrated in the matrix.
A05-134A (463316, 6228139)
Float of synsedimentary breccia of chert and limestone, some limonite and minor hydrozincite stain.
A05-135 (462654, 6228400)
Float of quartz with hematite and a few % of a black unidentified mineral.
A05-135A (463400, 6228196)
Float (rounded) of very strongly silicified rock, part of silica has a distinct cherty appearance. It has 1-2 % of sphalerite and galena. On the surface it is white with patches of manganese stain.
A05-136 (462420, 6228462)
Huge float 7.0 m across of silicified felsite with limonite and manganese on the surface. Sample was collected from a small part of the boulder with 2-3% sphalerite and minor galena. The reminder of the boulder is not mineralized. The boulder came from a big cliff above.
A05-136A (463467, 6228194)
Float of mudstone breccia with laminated syngenetic pyrite.
A05-137 (462332, 6228388)
Float, fragment of quartz vein with 30% sphalerite and 1-2% galena.

A05-137A (460912, 6227852)
Float of interbedded chert and limestone with some extremely fine grained pyrite along the bedding.
A05-138 (462287, 6228442)
Float (0.5m x 0.4 m) of a rock with 25-30% sphalerite, minor pyrite and galena. The source is a big cliff above.
A05-138A (460469, 6227584)
Small float of intercalated chert and jasper.
A05-139 (462332, 6228422)
Float of quartz cemented breccia.
A05-139A (460211, 6227187)
Float of intercalated chert and limestone.
A05-140 (462270, 6228399)
Float (0.5m x 0.3m) of very strongly silicified rock with 2-3% of combined galena and sphalerite. The float is located just a few metres below its source area - a big steep cliff.
A05-140A (462287, 6228442)
Float of laminated chert and limestone.
A05-141 (461870, 6228424)
Float of finely laminated mudstone with a few percent of extremely fine syngenetic (?) sulphides. There are also several 1-2 mm wide quartz veinlets along lamination.
A05-141A (460312, 6227277)
Float of intercalated chert and limestone (synsedimentary breccia), rusty on the surface. It possibly contains some extremely fine grained sulphides.
A05-142 (462073, 6228462)
Float of quartz vein with 2-3% of combined galena, sphalerite, chalcopyrite and pyrite. Many more fragments of quartz veins are around but they are not mineralized.
A05-142A (460766, 6227757)
Float of carbonate cemented chert breccia, strong limonite on the surface.
A05-143 (460752, 6227949)
Float of chert with some extremely fine-grained disseminated sulphides, trace galena.
A05-144 (460774, 6228045)
Float of chert mixed with limestone with several percent of extremely fine grained sulphides.
A05-145 (460752, 6228147)
Large float (0.9m x 0.6m) composed of folded very thin laminae of limestone, chert and mudstone. Extremely fine-grained disseminated sulphides are present throughout the rock.
A05-146 (462441, 6228662)
Float of rusty limestone.
A05-147 (463552, 6228001)
Semirounded float (0.2m x 0.2m) of very strongly silicified rock with 2-3% sphalerite. On the surface the rock is whitish with manganese stain. The rock is cut by quartz veinlets.
A05-148 (463420, 6227849)
Small float of quartz with 5-10% coarse pyrite and trace tetrahedrite.

A05-149 (463225, 6227576)
Very angular float 1.2 metres across of very strongly silicified apple green rhyolite cut by quartz stockwork, trace galena.
A05-150 (463171, 6227533)
Very angular boulder 2.0 m across of apple green rhyolite with distinct flow banded texture. Minor disseminated pyrite.
A05-151 (463416, 6227813)
Float of chert/limestone with minor galena.
A05-152 (463115, 6227473)
Small rounded float of chert/limestone with 1% of pale brown sphalerite occurring as scattered tiny patches and veinlets, also trace galena. Trace of sphalerite was also noted in tiny carbonate veinlet.
A05-153 (463094, 6227373)
Float of limestone with 0.5-1.0% disseminated to streaky sphalerite and some pyrite.
A05-154 (462354, 6228718)
Float of finely banded mudstone with extremely fine grained disseminated pyrite.
A05-155 (462022, 6228954)
Small angular float of laminated chert and limestone with several percent of extremely fine grained sulphides, trace sphalerite.
A05-156 (460927, 6228879)
Chip 1.0 m from brown weathering limestone with some manganese stain on the surface. Bedding 310 degrees with vertical dip.
A05-157 (460927, 6228879)
Float of apple green rhyolite.
A05-158 (462940, 6226926)
Small float of cherty looking rock with 2 bands of pyrite.
A05-159 (463516, 6227872)
Grab from mudstone with some extremely fine grained sulphides.
A05-160 (463554, 6228125)
Float of crudely banded chert with some extremely fine grained disseminated sulphides, minor hydrozincite.
A05-161 (460365, 6227708)
Small float of black cherty limestone with some extremely fine disseminated sulphides.
A05-162 (460365, 6227708)
Float of black impure limestone, possible presence of extremely fine disseminated sulphides.
A05-163 (460078, 6227555)
Float of chert/limestone breccia with some extremely fine disseminated sulphides.
A05-164 (460078, 6227555)
Same as A05-163
A05-165 (462318, 6228619)
Large boulder 1.0 m across of chert/limestone breccia with several percent of extremely fine grained sulphides, trace galena. Manganese stain on the surface.
A05-166 (462365, 6228602)
Small float similar to A05-165.

A05-170 (462330, 6223498)
Float of apple green rhyolite with quartz stockwork
A05-171 (462330, 6223498)
Float of laminated black chert, jasper and magnetite.
A05-172 (462123, 6223464)
Float of banded black chert and limestone.
A05-173 (462075, 6223473)
Float 0.9 m across of banded chert/limestone with layers of extremely fine grained magnetite.
A05-174 (462049, 6223475)
Small rounded float of limestone/black chert with strongly disturbed bedding and some extremely fine sulphides. Strong limonite and manganese stain on the surface.
A05-175 (462024, 6223462)
Float of very rusty chert (?) or chert breccia with some extremely fine disseminated sulphides.
A05-176 (461845, 6223381)
Float of black chert/mudstone with semimassive extremely fine grained pyrite and hydrozincite (?) stain.
A05-177 (461662, 6223391)
Float of limestone with 10-15% of crudely banded extremely fine grained pyrite.
A05-178 (461639, 6223363)
Small float of blackish rock cut by dense quartz stockwork, minor malachite stain.
A05-179 (4615456, 6223351)
Float of chert with bands of extremely fine pyrite.
A05-180 (461279, 6223278)
Float 0.2m across of banded magnetite.
A05-181 (461204, 6223226)
Small float of limestone with 15-20% of extremely fine crudely banded sulphides.
A05-182 (460831, 6223110)
Small float of black chert/limestone with extremely fine disseminated pyrite and minor hydrozincite (?) stain.
A05-183 (460887, 6222858)
Float of silicified rhyolite with manganese stain.
A05-184 (461105, 6222769)
Float of very limonitic chert with some extremely fine pyrite.
A05-185 (460831, 6223165)
Same as A05-184
A05-186 (461109, 6222842)
Float of very strongly limonitic chert.
A05-187 (461109, 6222742)
Float of chert with malachite and minor disseminated chalcopyrite.
A05-188 (461139, 6222747)
Float of strongly limonitic chert

A05-189 (461175, 6222859)
Small float of mudstone/ limestone with some very fine disseminated sulphides, trace galena
A05-190 (461105, 6222842)
Two very small float pieces of chert with some malachite and minor disseminated galena.
A05-191 (461113, 6229934)
Chip 1.0m across 1.0m wide strongly limonitic quartz lens.
A05-192 (461062, 6229951)
Grab from apple green rhyolite.
A05-193 (460555, 6220872)
Float from suboutcrop of aphanitic apple green rhyolite.
A05-194 (460473, 6229797)
Big angular boulder (1.2m x 1.0m) of quartz-epidote lesser black chlorite replaced rock. Locally minor malachite associated with black chlorite. The rock is very vuggy.
A05-195 (460473, 6229797)
Small float of chert intruded by aphanitic apple green rhyolite. The sample contains a minor amount of reddish mineral.
A05-196 (458545, 6226936)
Float from suboutcrop of black chert/limestone with manganese stain.
A05-197 (458558, 6226974)
Float from suboutcrop of banded chert/limestone. The rock is intensely brown with manganese stain on the surface.
A05-198 (458558, 6226974)
Float from suboutcrop of thinly laminated chert and limestone. Very rusty on the surface.
A05-199 (458462, 6226915)
Chip 0.5m across banded mudstone/limestone. No visible sulphides, some limonite.
A05-200 (458485, 6226966)
Float from suboutcrop of limestone/mudstone with some extremely fine sulphides and limonite on the surface.
A05-201 (458356, 6226866)
Grab sample from gray chert with delicate network of quartz veinlets.
A05-202 (458356, 6226846)
Grab from limonite cemented breccia. The zone of this breccia is 10-12 m long and 2-3m wide. Breccia fragments are very strongly sericite altered.
A05-203 (458369, 6226863)
Grab from limonite cemented breccia with very strongly sericite altered clasts. The breccia zone, which is a few metres across could be a hydrothermal breccia.
A05-210 (456967, 6224971)
Grab from feldspar porphyritic dacite or andesite, minor disseminated pyrite.
A05-210A (456920, 6224759)
Float from suboutcrop of very strongly silicified dacite (?)/dacite breccia with minor disseminated pyrite.
A05-211 (456978, 6224744)
Float from suboutcrop, chert with small concentrations of reddish mineral.

A05-211A (456842, 6224807)
Float of intercalated limestone, mudstone and chert with limonite and manganese stain on the surface.
A05-212 (456978, 6224744)
Float from suboutcrop of tuffaceous chert with some extremely fine disseminated sulphides.
A05-213 (458616, 6224187)
Chip 1.0m across intercalated limestone and chert with strong synsedimentary deformation. Strong limonite and manganese stain on the surface. Bedding 330 degrees with moderate NE dip.
A05-214 (458587, 6224053)
Grab from very strongly silicified rock.
A05-216 (458627, 6224198)
Grab from a zone completely quartz-sericite altered rock. Semimassive pyrite 10-15%. The zone is several metres wide.
A05-216A (458629, 6224235)
Chip 0.6m across very strongly sericite-limonite altered rock. Only 3.0 x 1.0m of the zone is exposed from the snow.
A05-217 (458620, 6224248)
Grab from a zone several metres across of limonitic coarse grained quartz.
A05-218 (458576, 6224309)
Chip 1.0m across layer of massive gray chert, no sulphides. Contact with fine andesite tuff is oriented 10 degrees with shallow dip to E.
A05-219 (458576, 6224309)
Grab sample from the same layer of chert, but this time the chert is finely laminated and contains trace sphalerite.
A05-220 (458576, 6224306)
Grab from siltstone with several percent of very fine disseminated sulphides.
A05-221 (458584, 6224298)
Float of limonitic quartz with patches of pyrite.
A05-222 (460888, 6225269)
Float from suboutcrop of limestone /chert. Strong limonite on the surface.
A05-223 (460729, 6225047)
Fist size float of limestone/mudstone with some extremely fine grained disseminated sulphides. Heavy manganese.
A05-224 (462648, 6224951)
Small float of mudstone/limestone with streaks of extremely fine grained sulphides. Abundant manganese stain.
A05-225 (463384, 6225096)
Small float of limestone/mudstone with some extremely fine grained disseminated sulphides.
A05-226 (459236, 6227428)
Float of limonitic limestone/chert.
A05-227 (459115, 6227222)
Float of crystalline limestone with minor carbonate veining throughout. Minor disseminated pyrite and minor hydrozincite stain on the surface.

A05-228 (459115, 6227222)
Grab from 8-10cm wide quartz vein with 40-50% of coarse grained pyrite. Orientation-350 degrees with steep eastern dip.
A05-229 (459115, 6227222)
Float 1.0m across of crystalline limestone with minor disseminated sulphides.
A05-230 (459115, 6227222)
Float of crystalline limestone, limonitic. Minor hydrozincite stain on the surface.
A05-231 (459143, 6227012)
Float (1.0m x 0.2m) composed of coarse grained pyrite.
A05-232 (459113, 6227012)
Float of quartz-pyrite altered rock. Coarse grained pyrite 15-20%. The float came from a huge sericite alteration zone above.
A05-233 (459150, 6227077)
Small float of crystalline limestone with some extremely fine grained sulphides and hydrozincite stain on the surface.
A05-234 (459150, 6227077)
Small float of chert/mudstone/limestone with 15-20% of very fine grained semimassive sulphides.
A05-235 (459102, 6227010)
Float composed of thin folded laminae of limestone, mudstone and chert with 10-15% extremely fine sulphides. Strong limonite and manganese stain on the surface.
A05-236 (458702, 6226763)
Float of limestone with abundant hydrozincite on fractures and intense limonite on the surface.
A05-237 (458702, 6226763)
Grab from 2.0m wide horizon of limestone/chert. Limonite and manganese stain on the surface. Bedding orientation 270 degrees with shallow N dip.
A05-238 (458694, 9226746)
Grab from chert cut by quartz veinlets with 3-5% pyrite.
A05-239 (458699, 6226735)
Grab from limestone with small chert fragments, strong limonite and manganese stain on the surface.
A05-240 (458730, 6226747
Grab from black chert
A05-241, 242A (458730, 6226767)
Grab samples from a zone 20 metres long and 5 metres wide. The zone is of mudstone/limestone breccia(?) with some carbonate veining. The rock contains some extremely fine sulphides and minor hydrozincite stain. Abundant limonite and manganese stain on the surface.
A05-242 (458740, 6226694)
Chip 1.0m across strongly limonitic chert zone with some extremely fine grained pyrite and trace galena. The zone is a few metres wide and 40-50 metres long, and is associated with a layer of jasper. Bedding - 0 degrees with vertical dip.
A05-243 (458740, 6226664)Chip 0.7 m across the same horizon from which sample A05-242 was taken. The horizon is at least 3-4 m wide. The sample is of limestone with strong brown limonite and some manganese stain on the surface.

A05-244 (458737, 6226662)
Grab from completely silicified rock cut by very thin (1-2mm wide) quartz veinlets with trace galena.
A05-245 (458727, 6226624)
Grab from very strongly silicified rock with minor pyrite and trace galena. This and previous sample were taken from big alteration zone.
A05-246 (458727, 6226624)
Float of limestone/chert intensely limonitic with manganese stain on the surface.
A05-247 (458727, 6226604)
Grab from the same horizon from which sample A05-242 was taken. The sample is of limestone with hydrozincite stain and trace galena.
A05-248 (458727, 6226604)
Chip 1.5m from limestone/mudstone, strong limonite, in places minor hydrozincite stain. The sample was collected from the same zone from which samples A05-242 and A05-247 were taken.
A05-304 (461840, 6232522)
Float of quartz vein with minor pyrite and some manganese stain.
A05-305, 306 (461946, 6232715)
Floats of siltstone with a few percent of extremely fine disseminated pyrite. Also hydrozincite(?) stain on the surface.
A05-307, 308 (461946, 6232695)
Float of mudstone with several percent of disseminated to thinly banded pyrite. Intense hydrozincite(?) stain on the surface.
A05-309 (462971, 6232091
Float of quartz vein with 15-20% pyrrhotite and < 1% chalcopyrite.
A05-310 (4631090, 6231993)
Float of very strongly silicified apple green rhyolite
A05-311 (463021, 6232151)
Float (0.8m x 0.5m) of quartz replaced rock with 7-10% pyrrhotite and minor chalcopyrite.
A05-312 (463023, 6232181)
Float of quartz with 20-25% pyrrhotite and < 1% chalcopyrite.
A05-313 (457546, 6218810)
Grab from a zone a few metres across of strongly fractured to brecciated rock cemented by very fine grained pyrite comprising 20-25% of the rock. No sign of any tectonic deformation. The rock most likely represents hydrothermal breccia composed of very strongly silicified angular fragments 1-5 cm across cemented by pyrite.
A05-314 (457584, 618913)
Float of the same rock type as sample A05-313. Evidence of open space pyrite precipitation.
A05-315 (457506, 6219257)
Grab from a jasper-quartz horizon 1.5-2.0m wide with 1-2% pyrite and trace malachite. The horizon consists of finely banded jasper and quartz (mm scale) which very often are strongly deformed to brecciated. Bedding – 80 degrees with steep northern dip.

A05-316 (457325, 6219222)
Float from suboutcrop (it came from a big cliff at least 100m wide) of strongly silicified rock with 5-10% black chlorite.
A05-317 (457076, 6219346)
Same as A05-316.
A05-318 (456872, 6219224)
Grab from a big outcrop (at least 100 m across) of very strongly silicified andesitic rock.
A05-319 (457563, 6219276)
Grab from a big outcrop (at least 100 m across) of very strongly silicified andesitic rock. Manganese stain on the surface.
A05-320 (464179, 6225166)
Float of chert with 3-5 % very fine disseminated pyrite.
A05-321 (464360, 6225230)
Float sample from a huge boulder (2.0m x 1.5m) of chert with 20-25% pyrite and trace galena (?).
A05-322 (464447, 6224891)
Small float of interbedded chert and limestone with several percent fine disseminated pyrite. Limonite and Mn stain on the surface.
A05-323 (464401, 6224893)
Float of mudstone with a few percent fine disseminated pyrite.
A05-324 (464804, 6224595)
Float of chert cut by quartz stockwork with 1-2% sphalerite and trace galena.
A05-325 (464864, 6224100)
Float of coarse grained quartz with 10-15% of combined pyrite, sphalerite, galena, tetrahedrite and chalcopyrite.
A05-326 (464348, 6224664)
Float of limestone cemented chert breccia with some fine disseminated sulphides.
A05-327 (464348, 6224464)
Float of brecciated chert cemented by very fine grained pyrite, trace sphalerite.

CK-05-1 (0465248, 6231837)
Grab from 2.0m wide lens composed of pyrite and pyrrhotite occurring as veinlets and semimassive concentrations in quartz matrix.
CK-05-2 (0465113, 6231864)
Grab from altered mudstone with minor quartz veinlets and large amount of fine disseminated sulphides.
CK-05-3 (0465033, 6231820)
Grab from rusty pod with quartz stockwork and pyrrhotite, pyrite and sphalerite(?).
CK-05-4 (0464951, 6231757)
Float near the source, weathered out quartz vein material. Minor sphalerite and pyrite.
CK-05-5 (464891, 6231691)
Grab from biotite hornfels with minor sphalerite and molybdenite(?).
CK-05-6 (464899, 6231623)
Float from suboutcrop. Pegmatite (?). Massive sulphides: sphalerite with minor pyrite and bornite.

CK-05-7 (464868, 6231393)
Grab from 20 cm wide mineralized vein with pyrrhotite, sphalerite and molybdenite. Sulphides comprise 40% of the vein.
CK-05-8 (465086, 6230855)
Grab from old trench. Molybdenite bearing quartz vein in altered limestone.
CK-05-9 (465343, 6231084)
Grab from 30 cm wide quartz pyrite vein.
CK-05-10 (465364, 6231139)
Grab from 1.0m thick quartz-pyrite vein.
CK-05-11 (465327, 6231171)
Grab from small quartz vein with pyrite.
CK-05-12 (464448, 6232305)
Float of mudstone with disseminated pyrite.
CK-05-13 465327, 6231181)
Float of mudstone with thinly banded pyrite.
CK-05-14 (464173, 6232163)
Float of black mudstone with disseminated pyrite.
CK-05-15 (463073, 6231523)
Float of pitch black mudstone with thinly banded and disseminated pyrite.
CK-05-16 (462947, 6231362)
Float of banded rhyolite with pyrite.
CK-05-17 (462786, 6231391)
Float of slightly schistose mudstone with large pyrite crystals.
CK-05-18 (462766, 6231374)
Float of rhyolite with disseminate pyrite.
CK-05-19 (462728, 6231365)
Float of carbonate altered mudstone with minor pyrite.
CK-05-20 (463360, 6230323)
Float, angular boulder. Chert with minor sulphides banding and disseminated pyrite.
CK-05-21 (463138, 6230136)
Float of altered mudstone with finely interbedded pyrite.
CK-05-22 (463170, 6230302)
Float of interbedded jasper, quartz and banded pyrite.
CK-05-23 (463252, 6230334)
Grab from 1.0 m wide quartz-limonite vein.
CK-05-24 (463501, 6230236)
Float of quartz boulder with limonite, pyrite and minor galena and sphalerite streaks.
CK-05-25 (463547, 6230236)
Float of rhyolite with 10% sulphides, limonite and Mn stain.
CK-05-26 (463442, 6230253)
Float. Rhyolite with limonite and Mn stain. Very strong alteration. Disseminated pyrite in discrete bands.
CK-05-27 (463238, 6228207)
Float (1.5 x 1.0m) of coarsely crystalline carbonates with 3-4% combined galena and sphalerite.

CK-05-28 (463174, 6228212)
Float of strongly silicified, cherty rock with 5-10% sphalerite and minor galena.
CK-05-29 (462529, 6228452)
Float of white rhyolite with minor sulphides. Mn stain on the surface.
CK-05-30 (462294, 6228432)
Float. Massive pyrite wit Mn stain, carbonate matrix.
CK-05-31 (462288, 6228465)
Float (1.5mx1.0m) of quartz –carbonate altered rock with pyrite and large sphalerite crystals. Taken from talus beneath large gossan.
CK-05-32 (462282, 6228409)
Float composed of carbonate with pyrite and thin carbonate veining.
CK-05-33 (462275, 6228409)
Angular float of black carbonate with massive pyrite and carbonate bands.
CK-05-34 (461837, 6228418)
Float of lapilli tuff with sphalerite and minor galena.
CK-03-35 (462416, 6228488)
Float of chert with finely banded sulphides.
CK-05-36 (460447, 6227580)
Float of chert with minor sulphides.
CK-05-37 (460401, 6227516)
Float of chert with minor sulphides, minor hydrozincite stain.
CK-05-38 (460485, 6227193)
Float of rusty chert with 5-10% of very fine grained sulphides. Mn stain on the surface.
CK-05-39 (460703, 6227238)
Float of andesitic rock with jasper, specularite and thinly banded sulphides.
CK-05-40 (460752, 6227896)
Float of very strongly silicified rock with 20% sulphides. Limonite and Mn stain on the surface.
CK-05-41 (460800, 6228195)
Float of intercalated limestone and chert. Minor sphalerite and hydrozincite stain.
CK-05-42 (460800, 6228195)
Float of carbonate composed rock with pyrite and minor chalcopyrite.
CK-05-43 (463198, 6227821)
Float 1.0 m across. Carbonate altered rusty breccia with stringers and small pods of pyrite and minor pyrrhotite.
CK-05-44 (463105, 6227764)
Float of a rock composed of quartz and carbonates with 40% pyrite and rare galena.
CK-05-45 (463043, 6227717)
Float of light gray rhyolite with up to 40% pyrite and some sphalerite (?)
CK-05-46 (462803, 6227529)
Float of gray rhyolite with minor sulphides.
CK-05-47 (462290, 6228700)
Float (5m x 5m) of black chert with 20% fine grained sulphides.
CK-05-48 (462290, 6229007)
Grab from an outcrop of interbedded quartz, hematite and magnetite at the contact with carbonaceous tuff.

CK-05-49 (461922, 6228841)
Float of welded tuff with quartz veinlets. Matrix has pyrite, chalcopyrite, and rare galena.
CK-05-50 (461095, 6228719)
Grab from quartz-sulphide vein 0.5m thick. Sulphides content – 70%.
CK-05-51 (461009, 6228737)
Grab from large rusty outcrop of heavily sericitized rocks with less than 5% pyrite.
CK-05-52 (461009, 6228737)
Float of rusty quartz with 20% sulphides.
CK-B1 (463530, 6227964)
Sample from a blasted boulder of very silicified rock with 2-3 % of combined pyrite, sphalerite and galena.
CK-B2 (463499, 6227997)
Sample from a blasted boulder of very strongly silicified rock with minor pyrite and trace sphalerite and galena.

K01 (458548, 6226925)
Float of cherty limestone, some Mn encrustation, no visible sulphides.
K02 (458572, 6226974)
Float from suboutcrop of brecciated banded cherty limestone. Some concretionary Mn, no visible sulphides.
K03 (458572, 6226974)
Float of slightly silicified breccia of cherty limestone, near contact (fault?) with silicified banded volcaniclastic rock.
K04 (458573, 6227001)
Float from suboutcrop of strongly silicified or cherty banded sedimentary rock.
K05 (458573, 6227001)
Float from suboutcrop of calcareous (?) banded sedimentary rock, some disseminated sulphides, pseudomorphs after sulphides.
K06 (458573, 6227001)
Float from suboutcrop of calcareous cherty siltstone, crudely layered, some pods of finely crystalline marcasite/pyrite.
K07 (458492, 6226980)
Grab from gossaneous siltstones, locally cherty, finely bedded to laminated.
K08 (458488, 6227000)
Grab from cherty/calcareous siltstones and micritic cherty limestone, distinctly parallel laminated/bedded. Some marcasite/pyrite.
K09 (458477, 6226948)
Grab from layered cherty limestone, locally distinctly brecciated, Fe-Mn stain.
K10 (458486, 6226910)
Float of strongly silicified (volcanogenic?) rock, abundant pyrite.
K11 (458463, 6226879)
Grab from silicified/cherty laminated silty limestone, locally Fe stain.
K12 (458485, 6226865)
Grab from quartz +chalcedony veins cutting volcanogenic intermediate to felsic rock.

K13 (458498, 6226851)
Grab from strongly silicified (volcanogenic?) rock, locally semimassive pyrite concentrations forming shoots along fractures.
K14 (458583, 6224041)
Grab sample from strongly silicified volcanoclastics (crystal-rich tuff, tuff breccia) with siltstone layer. Reddish-rusty stain, trace pyrite.
K15 (458583, 6224041)
Grab from strongly silicified siltstone, distinctly layered to laminated, locally strong blackish Mn-Fe stain.
K16 (458600, 6224033)
Float of greenish , strongly silicified volcanogenic rock (andesitic/dacitic ? volcaniclastic, abundant pyrite (disseminated +irregular blebs).
K17 (458584, 6224015)
Grab from dark reddish "jasperoid" lenses and flattened fragments in andesitic tuff-breccia to volcanic breccia.
K18 (458590, 6224080)
Grab from greenish strongly silicified volcanogenic rock (andesitic/dacitic? volcaniclastic), abundant pyrite-marcasite.
K19 (458662, 6224108)
Grab from strongly silicified (chalcedony) intrusive? or dacite, locally brecciated. Disseminated and fracture filling pyrite.
K20 (457866, 6219458)
Grab from volcanic (dacite?) breccia, strongly silicified, locally "flow banded" or dark gray siltstone layers, disseminated pyrite.
K21 (457866, 6219458)
Grab from banded dacite? with layers of black strongly silicified siltstone, locally brecciated, abundant fracture filling pyrite.
K22 (457321, 6219402)
Float of strongly silicified black laminated fined sediments, abundant pyrite mineralization restricted to thicker beds.
K23 (457321, 6219402)
Float of strongly silicified black laminated sediments, locally pods of pyrite.
K24 (458659, 6224167)
Grab from moderately silicified tuff breccia/lapilli tuff with angular felsic fragments. Abundant disseminated and fracture filling pyrite.
K25 (456882, 6219320)
Grab from dacitic lapilli tuff, fractured; clay-zeolite alteration, locally malachite stain.
K26 (456763, 6219457)
Float of volcanic breccia/tuff breccia, angular fragments; abundant hematite matrix/cement.
K27 (456712, 6219242)
Grab from andesitic? lapilli-tuff/tuff-breccia: angular fragments, propylitic alteration, locally calcite veins, disseminated pyrite and hematite.

SK-2 (462075, 6223473)
Float of chert/limestone with some extremely fine grained sulphides.

SURPRISE CREEK SILT SAMPLES LOCATIONS
GPS coordinates of the samples (in brackets) are in NAD 83

SS-1 (464364, 6232090)
SS-2 (464200, 6232157)
SS-3 (463679, 6231641)
SS-4 (463092, 6231521)
SS-5 (463250, 6230031)
SS-6 (463223, 6227535)
SS-7 (460927, 6228879)
SS-10 (463040, 6232619)

APPENDIX II

PETROGRAPHIC REPORT

Petrographic report for:
Pinnacle Mines Ltd.
#350-885 Dunsmuir Street
Vancouver, BC

November 14, 2005

Report prepared by:
A. Walus
8546 164 Street
Surrey, BC

PETROGRAPHIC REPORT ON SURPRISE CREEK PROPERTY

SUMMARY

Seven polished thin sections were prepared from the samples of chert/limestone with zinc, lead, silver and mercury mineralization. Of these, 3 samples were identified as chert/limestone, one as limestone, one as laminated chert/ sulphides, one as synsedimentary chert/limestone breccia, and one as carbonate oolites cemented by sulphides. Sulphides are represented by pyrite (except sample A05-165 which contains mostly pyrrhotite) with lesser sphalerite, minor galena and trace chalcopyrite. They occur mostly as disseminated small, anhedral grains and patches, which often form streaks and laminae; in sample A05-155 they also form cement between oolites. Sulphides are syngenetic, formed during the deposition process along with chert and limestone.

Nine thin and polished thin sections were examined from very strongly silicified rocks with disseminated pyrite, sphalerite, galena and chalcopyrite. Three samples (A05-129, A05-130, A05-134A) were identified as trachytes composed of K-feldspar phenocrysts set in a fine grained groundmass dominated also by K-feldspar. Sample CK-27 was identified as latite. The primary rocks of four other samples (Ed's 18, Ed's 22, A05-140 and A05147-1) were not determined due to almost complete replacement by secondary minerals. Their primary rock most likely was also trachyte or latite as indicated by the fact that K-feldspar was the only primary mineral noted in these samples. One sample (A05-147) was completely replaced by secondary minerals. All nine samples were to various degrees silicified. i.e. replaced by mosaic of very fine grained quartz. A late assemblage composed of coarse grained quartz with lesser amount of carbonates, muscovite/sericite and sulphides partly replaced all previously formed minerals.

Samples A and C collected from nunataks just west of the heads of Jagiello and Grunwald glaciers were identified as trachytes.

A05-133 limestone/chert

The sample is dominated by a mosaic of very fine-grained anhedral carbonate crystals with lesser very fine grained silica. These minerals compose thin laminae which range in thickness from less than 1 mm to 2-3 mm. One laminae is of siltstone composed mostly of very angular small quartz grains. Laminae are mostly contorted, they often ends abruptly. Sulphides form disseminations as well as laminae and streaks conformable with lamination. They include mostly fine grained anhedral pyrite and lesser sphalerite, minor galena and trace chalcopyrite... Overall they comprise about 2-3% of the sample. The rock contains also late veins and replacement patches of coarse grained carbonate.

A05-151 Chert/limestone

The rock is composed of very fine-grained mosaic of quartz lesser carbonates and disseminated to patchy sulphides. Sulphides include mostly very fine grained subhedral to anhedral pyrite and to much lesser extent sphalerite (0.5-1.0% of the sample) and trace galena. The rock is partly replaced by coarse grained carbonate.

A05-154 Laminated chert/sulphides

The rock comprises thin (mm scale) fairly regular laminae composed of mosaic of very fine-grained quartz (chert) and sulphides. The sulphides include mostly very fine grained pyrite with lesser (1-2%) sphalerite. Sulphides are associated with quartz, chalcedony and muscovite/sericite. The sample contains also 5-10 % of late patches and short veinlets composed almost exclusively of carbonate. Sulphides seem to formed during the original deposition process.

A05-155 Carbonate oolites cemented by sulphides

The bulk of the sample is composed of oolites 1-2 mm in diameter (colloform texture?) composed of fine grained carbonates arranged in radiating pattern. Part of the sample is composed of thin laminae of extremely fine grained quartz (chert) and sulphides. Sulphides which comprise very fine grained pyrite (7-10%) and lesser sphalerite (1-2%) are cementing oolites and to much lesser extent are parts of them.

A05-165 Synsedimentary limestone/chert breccia

The rock consists of limestone and chert fragments 1 to 10 mm across cemented by limestone, chert and very fine grained sulphides. Sulphides represented by pyrrhotite (5-10%), sphalerite (1-2%) and minor chalcopyrite occur mostly as disseminated anhedral grains and small patches occasionally forming small streaks. These sulphides formed simultaneously with the original sedimentary rock. A few much larger subhedral pyrite grains represent probably later epigenetic event.

A05-166 Limestone

The sample is composed of fine grained carbonates which include both micrite and sparite. Carbonates are accompanied by 2-3% of carbonaceous opaque which forms discontinuous veinlets, seams, patches and disseminations. The sulphides include 3-5% pyrite and 3-5% sphalerite which occur as disseminated anhedral grains and small patches. The sample contains 5-10% of late veinlets and patches composed of coarse grained carbonates.

SC-234 Chert/limestone

Mineral composition:

Very fine grained quartz	40-50%
Very fine grained carbonate	20-30%
Coarse grained carbonate	3-5%
Chalcedony	2-3%
Sericite	2-3%
Pyrite	10-15%
Sphalerite	3-5%
Galena	<1%

The sample is dominated by a mosaic of very fine grained anhedral grains of quartz and carbonates. They either form separate patches and laminae or are intimately intermixed. Sulphides occur as fine anhedral grains, which form irregular contorted laminae lesser disseminations. Sulphides are associated with chalcedony, sericite and very fine grained quartz. Sulphides are syngenetic, they are formed as a part of the original deposition process.

A05-147, A05-147(1), Ed's 18, 22 Trachytes ?

The primary rock is not possible to determine due to complete replacement by secondary minerals. The rocks are completely replaced by very fine grained mosaic of quartz grains - silicification. This silicified rocks were in turn partly replaced by late assemblage composed of coarse grained quartz lesser carbonates, muscovite/sericite and sulphides. All samples except A05-147 contain a few remnants of primary K-feldspars.

Sample A05-147(2) Silicified rock

Primary rock is completely replaced by secondary minerals which include mosaic of very fine grained quartz (60-70%) with 15-20% barite, 10-15% carbonate and minor sulphides. Part of barite along with quartz and carbonates form crude laminae. Sulphides occur as disseminated grains occasionally forming short streaks. Grain size of quartz and other minerals is fairly uniform with great majority of grains ranging in size from 0.05 to 0.1 mm across.

A05-129 K-feldspar porphyritic trachyte

The primary rock contains 10-15% K-feldspar phenocrysts which are party altered and resorped. They are set in a very fine grained groundmass dominated by secondary quartz (silicification). A late assemblage consists of sulphides, coarse grained quartz and minor muscovite/sericite. Sulphides include pyrite and sphalerite which comprise respectively 10-15% and 2-3% of the sample. They form disseminations, contorted thin bands and patches. One patch is of K-feldspar porphyritic trachyte.

A05-130 K-feldspar porphyritic trachyte

The primary rock consists of 5-10% K-feldspar phenocrysts set in a groundmass dominated by very fine grained secondary quartz as wall as remnants of primary groundmass composed of fine grained subhedral K-feldspars. A late mineral assemblage consists of sulphides, coarse grained quartz, carbonates and sericite/muscovite. The rock is cut by adularia-quartz-rutile vein.

A05-135A K-feldspar porphyritic trachyte

The rock is composed of K-feldspar phenocrysts set in a groundmass made up of fine grained subhedral K-feldspar crystals. This primary rock is to large degree replaced by mosaic of very fine grained quartz, which in turn is replaced by late assemblage composed of coarse grained quartz, sulphides and muscovite/sericite. Sulphides include 10-13% pyrite and 0.5-1.0% sphalerite. There are a few patches of very little altered trachyte.

A05-140 Trachyte ?

The rock is almost completely replaced by assemblage dominated by quartz (grain size varies in a broad range) with lesser carbonates, sericite and sulphides. There are also a few remnants of K-feldspar crystals. Sulphides which include only pyrite form scattered grains, disseminations, patches and short streaks. They comprise approximately 10-15% of thin section.

AP-GR-RH Felsic rock

Felsic rock completely replaced by very fine grained mosaic of epithermal quartz and sericite. Sericite has slightly greenish colour and is pleochroic. A few strongly resorped feldspar phenocrysts were seen in the sample. They are in most part replaced by sericite and carbonates.

CK-27 Latite

The primary rock contains large K-feldspar and plagioclase phenocrysts (now strongly altered). The original rock was partly replaced by mosaic of very fine quartz crystals. They in turn were partly replaced by very coarse assemblage of barite, K-feldspars, and sulphides.

A05-316 K-feldspar-hornblende-biotite porphyritic trachyte

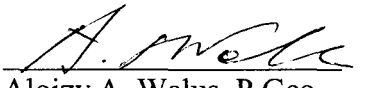
The rock is composed of 20-25% of euhedral to subhedral K-feldspar phenocrysts set in a groundmass dominated by very fine grained anhedral K-feldspar. K-feldspar phenocrysts measure 1-2 mm in size. They are mostly replaced by secondary minerals which include chlorite with lesser carbonates and clay minerals. There are also several percent of hornblende and biotite phenocrysts 0.4-1.0 mm in size. They are completely replaced by intensely green, Fe-rich chlorite. The sample contains 0.5 cm wide quartz vein.

Sample A K-feldspar-hornblende porphyritic trachyte.

The sample is composed of altered hornblende and K-feldspar phenocrysts combining together 15-20% of the rock. These are set in very fine grained groundmass dominated by K-feldspar. K-feldspar phenocrysts are in part resorped (replaced) by groundmass. Alteration minerals include carbonate and chlorite.

Sample C K-feldspar-hornblende porphyritic trachyte

The rock is composed of 15-20% K-feldspar, 3-5% hornblende (and possibly biotite?), 1-2% quartz, and 1-2% plagioclase phenocrysts 1-2mm in size. Feldspar phenocrysts are to large degree sericitized and hornblende phenocrysts are completely chlotitized. Phenocrysts are set (also partly replaced) by fine grained groundmass dominated by K-feldspar. Alteration minerals include sericite and chlorite.



Alojzy A. Walus, P.Geo.

APPENDIX III

GEOCHEMICAL RESULTS

ASSAYERS CANADA
Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

5V-0732-RA7

Aug-30-05

Company: **Pinnacle Mines**
Project: Surprise Creek
Attn: Alex Walus

We *hereby certify* the following assay of 24 rock chips samples submitted Aug-15-05

Sample Name	Au g/tonne	Au-check g/tonne	Ag g/tonne	Cu %	Mo %
A05-90	3.28		1.5	0.076	<0.001
A05-91	0.02		0.9	0.015	0.173
A05-92	<0.01		0.3	0.006	<0.001
A05-93	0.21	0.22	1.7	0.134	<0.001
A05-94	0.01		0.2	0.021	0.059
A05-95	0.05		1.1	0.106	<0.001
A05-96	0.03		1.9	0.068	0.009
A05-97	0.01		1.1	0.026	0.723
A05-98	0.03		1.4	0.023	0.004
A05-99	0.18	0.17	1.9	0.101	0.004
A05-100	<0.01		0.2	0.005	<0.001
A05-101	0.04		1.7	0.009	<0.001
A05-102	0.59		1.9	0.080	<0.001
A05-103	N/S		N/S	N/S	
A05-104	0.01		0.5	0.043	<0.001
A05-105	0.04		0.7	0.071	<0.001
A05-106	0.01		1.5	0.099	<0.001
A05-107	<0.01		0.2	0.008	<0.001
A05-108	<0.01		0.3	0.004	0.001
A05-109	13.8	12.9	4.9	0.042	<0.001
A05-110	0.08		0.5	0.027	0.003
A05-126	0.20		0.3	0.067	<0.001
A05-127	<0.01		0.6	0.041	<0.001
CK05-1	0.49		0.8	0.093	<0.001
*DUP A05-90			1.7	0.078	<0.001
*DUP A05-99			1.4	0.102	0.003
*DUP A05-109			4.9	0.043	<0.001
*GS-1B	0.99				
*MP-2					0.290
*KC-1a				0.633	

Certified by _____

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Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

5V-0732-XA2

Company: **Pinnacle Mines**
Project: Surprise Creek
Attn: Alex Walus

Sep-23-05

We *hereby certify* the following assay of 4 pulp samples submitted Aug-15-05

Sample Name	Pb %	Zn %	Hg ppm	Hg ppb
A05-92	0.01	0.02	1	873
A05-93	0.01	0.02	<1	<5
A05-102	0.01	0.03	<1	<5
A05-106	0.01	0.03	<1	<5
*DUP A05-92	0.01	0.02	1	833
CZn-1			41	
*KC-1a	2.24			
*CCu-1c		3.99		
*STSD-1				106
*BLANK	<0.01	<0.01	<1	<5

Certified by _____

Assayers Canada
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Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
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Quality Assaying for over 25 Years

Assay Certificate

5V-0732-RA8

Aug-30-05

Company: **Pinnacle Mines**
Project: Surprise Creek
Attn: Alex Walus

We *hereby certify* the following assay of 10 rock chips samples submitted Aug-15-05

Sample Name	Au g/tonne	Au-check g/tonne	Ag g/tonne	Cu %	Mo %
CK05-2	0.08		2.0	0.029	0.002
CK05-3	0.09		4.4	0.118	<0.001
CK05-4	0.52		14.3	0.075	<0.001
CK05-5	0.10		0.8	0.036	<0.001
CK05-6	0.26		3.5	0.170	<0.001
CK05-7	3.34	3.39	1.6	0.082	<0.001
CK05-8	0.69		128.0	0.019	<0.001
CK05-9	0.05		1.5	0.097	0.003
CK05-10	0.01		0.9	0.026	0.002
CK05-11	0.02		1.0	0.033	0.033
*DUP CK05-2			1.9	0.030	0.002
*DUP CK05-11			1.2	0.033	0.033
*GS-3A	3.17				
*MP-2					0.277
*KC-1a				0.634	
*CCu-1c			132.0		
*BLANK	<0.01		<0.01	<0.001	<0.001

Certified by _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
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Quality Assaying for over 25 Years

Assay Certificate

5V-0732-RA4

Aug-30-05

Company: **Pinnacle Mines**
Project: Surprise Creek
Attn: Alex Walus

We *hereby certify* the following assay of 24 rock chips samples submitted Aug-15-05

Sample Name	Au g/tonne	Au-check g/tonne	Ag g/tonne	Cu %	Pb %	Zn %	Hg ppb	Hg ppm
A05-160	0.01		20.0	0.009	0.42	1.12	6800	
A05-161	0.01		0.2	0.005	0.01	0.03	450	
A05-162	<0.01		0.2	0.001	0.01	0.01	100	
A05-163	0.03		1.3	0.003	0.03	0.37	1440	
A05-164	0.02		0.4	0.001	0.01	0.02	970	
A05-166	0.03		6.8	0.003	0.10	4.30	1810	
CK05-12	0.04		1.4	0.007	0.01	0.05	330	
CK05-13	0.05		0.6	0.005	0.01	0.02	30	
CK05-14	0.02		0.3	0.004	0.01	0.01	40	
CK05-15	<0.01		2.2	0.007	0.01	0.03	115	
CK05-16	0.01		1.8	0.001	0.01	0.01	50	
CK05-17	<0.01		0.2	0.001	0.01	0.01	110	
CK05-18	0.01		1.1	0.001	0.01	0.01	80	
CK05-19	0.01		0.5	0.004	0.01	0.03	120	
CK05-20	0.01		0.4	0.011	0.01	0.03	30	
CK05-21	<0.01		0.3	0.003	0.01	0.01	10	
CK05-22	0.01		0.8	0.005	0.07	0.09	435	
CK05-23	<0.01		0.8	0.016	0.01	0.01	20	
CK05-24	0.01		3.6	0.005	0.07	2.46	>50000	81
CK05-25	<0.01		6.9	0.006	0.09	0.42	7900	
CK05-26	0.01		1.5	0.001	0.01	0.01	250	
CK05-27	0.06	0.05	106.0	0.004	1.19	1.60	>50000	85
CK05-28	0.06	0.05	7.8	0.081	0.18	7.60	44500	
CK05-29	0.17	0.16	46.9	0.003	0.90	0.06	9000	
*DUP A05-160			21.3	0.010	0.41	1.13	6500	
*DUP CK05-15			1.8	0.006	0.01	0.03	110	
*DUP CK05-25			6.5	0.006	0.09	0.42	7700	
*97-45	1.42							
*KC-1a				0.635	2.30			
*CCu-1c			131.0			4.08		

Certified by _____

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Quality Assaying for over 25 Years

Assay Certificate

5V-0732-RA5

Aug-30-05

Company: **Pinnacle Mines**
Project: Surprise Creek
Attn: Alex Walus

We *hereby certify* the following assay of 24 rock chips samples submitted Aug-15-05

Sample Name	Au g/tonne	Au-check g/tonne	Ag g/tonne	Cu %	Pb %	Zn %	Hg ppb	Hg ppm
CK05-30	0.29	0.24	17.8	0.004	0.02	0.02	<5	
CK05-31	0.05		2.5	0.066	0.01	0.12	195	
CK05-32	0.07		1.6	0.048	0.01	0.01	55	
CK05-33	0.07		4.8	0.085	0.01	0.03	240	
CK05-34	0.08		3.1	0.040	0.02	6.53	18000	
CK05-35	0.04		2.6	0.012	0.03	1.35	2800	
CK05-36	0.06		1.3	0.002	0.01	0.04	305	
CK05-37	0.01		0.4	0.001	0.01	0.02	90	
CK05-38	0.03		0.9	0.001	0.01	0.03	75	
CK05-39	0.04	0.05	1.1	0.009	0.02	0.01	410	
CK05-40	0.01		0.5	0.002	0.01	0.02	70	
CK05-41	<0.01		15.4	0.004	0.10	1.31	12650	
CK05-42	0.01		8.3	0.004	0.01	0.01	1700	
CK05-43	0.02		3.5	0.007	0.01	0.02	575	
CK05-44	0.02		4.8	0.005	0.01	0.01	220	
CK05-45	0.05		4.1	0.004	0.02	0.09	200	
CK05-46	0.04		1.2	0.001	0.01	0.01	420	
CK05-48	0.02		2.1	0.006	0.02	0.07	850	
CK05-49	<0.01		2.0	0.002	0.01	0.01	440	
CK05-50	0.90	0.80	25.9	0.054	0.06	0.10	65	
CK05-51	0.01		1.6	0.008	0.01	0.02	30	
CK05-52	0.02		0.5	0.002	0.01	0.41	>50000	125
CK-B1	0.03		52.4	0.153	0.04	0.88	6500	
*DUP CK05-30			18.6	0.004	0.02	0.02	<5	
*DUP CK05-39			1.0	0.009	0.02	0.01	420	
*DUP CK05-50			25.6	0.055	0.06	0.10	60	
*GS-3A	3.19							
*KC-1a				0.636	2.25			
*CCu-1c			133.0			4.13		
*CZn-1								

Certified by _____

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Quality Assaying for over 25 Years

Assay Certificate

5V-0732-RA1

Company: **Pinnacle Mines**
Project: Surprise Creek
Attn: Alex Walus

Aug-30-05

We *hereby certify* the following assay of 24 rock chips samples submitted Aug-15-05

Sample Name	Au g/tonne	Ag g/tonne	Cu %	Pb %	Zn %	Hg ppb
A05-132	<0.01	5.9	0.005	0.05	0.37	1230
A05-133	0.01	18.0	0.006	0.31	1.75	3600
A05-134A	<0.01	11.0	0.004	0.20	0.94	2050
A05-143	<0.01	1.6	0.001	0.16	0.49	2100
A05-144	0.01	21.7	0.002	0.02	0.02	1250
A05-151	0.01	28.5	0.002	0.23	0.24	1100
A05-152	0.04	10.3	0.001	0.13	0.85	1180
A05-155	<0.01	31.0	0.001	0.08	1.26	4300
A05-165	0.01	10.5	0.004	0.16	1.46	1960
CK05-47	0.01	4.4	0.002	0.08	0.35	3100
*DUP A05-132	0.01	6.1	0.005	0.05	0.38	1200
*DUP CK05-47		4.8	0.002	0.08	0.35	3150
*GS-2A	1.96					
*KC-1a			0.635	2.25		
*CCU-1c		131.0			4.05	
LKSD-1						135
*BLANK	<0.01	<0.1	<0.001	<0.01	<0.01	<5

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Quality Assaying for over 25 Years

Assay Certificate

5V-0732-RA2

Aug-30-05

Company: **Pinnacle Mines**
Project: Surprise Creek
Attn: Alex Walus

We *hereby certify* the following assay of 24 rock chips samples submitted Aug-15-05

Sample Name	Au g/tonne	Au-check g/tonne	Ag g/tonne	Cu %	Pb %	Zn %	Hg ppb	Hg ppm
A05-111	<0.01	<0.01	0.2	0.001	0.01	0.02	130	
A05-112	<0.01		1.8	0.001	0.01	0.02	155	
A05-113	0.02		0.9	0.007	0.01	0.02	60	
A05-114	0.01		3.7	0.002	0.01	0.01	185	
A05-115	0.01		2.4	0.032	0.01	0.05	75	
A05-116	0.01		1.2	0.010	0.01	0.18	410	
A05-117	<0.01		0.6	0.001	0.01	0.01	105	
A05-118	<0.01		0.7	0.006	0.01	0.06	70	
A05-119	0.01		0.3	0.005	0.01	0.19	90	
A05-120	<0.01		0.5	0.001	0.01	0.01	15	
A05-121	0.01		2.0	0.007	0.01	0.04	50	
A05-122	0.01		2.5	0.006	0.01	0.03	15	
A05-123	<0.01		1.1	0.004	0.01	0.03	55	
A05-124	0.01		2.6	0.005	0.01	0.02	55	
A05-125	0.01		1.2	0.009	0.01	0.01	<5	
A05-128	0.03		39.7	0.020	0.65	4.55	10180	
A05-129	0.07	0.08	27.2	0.004	0.94	1.68	29500	
A05-130	0.02		5.4	0.007	0.07	0.33	360	
A05-131	<0.01		0.8	0.001	0.01	0.07	355	
A05-134	0.10	0.12	14.6	0.003	0.21	6.32	>50000	147
A05-135	0.01		17.9	0.009	0.01	0.05	5000	
A05-135A	0.02		27.1	0.004	1.69	0.79	4700	
A05-136	0.03		22.3	0.006	0.08	0.24	620	
A05-136A	<0.01		1.8	0.004	0.03	0.35	4250	
*DUP A05-111			0.3	0.001	0.01	0.01	135	
*DUP A05-120			0.3	0.001	0.01	0.01	15	
*DUP A05-134			14.9	0.003	0.21	6.40	>50000	
*GS-2A	2.04							
*KC-1a				0.634	2.25			
*CCu-1c			131.0			3.96		

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Assay Certificate

5V-0732-RA3

Aug-30-05

Company: **Pinnacle Mines**
Project: Surprise Creek
Attn: Alex Walus

We *hereby certify* the following assay of 24 rock chips samples submitted Aug-15-05

Sample Name	Au g/tonne	Au-check g/tonne	Ag g/tonne	Cu %	Pb %	Zn %	Hg ppb	Hg ppm
A05-137	0.01	0.02	49.0	0.010	1.38	10.7	>50000	63
A05-137A	0.02		0.8	0.003	0.01	0.12	2900	
A05-138	0.11		9.1	0.056	0.12	8.76	5400	
A05-138A	<0.01		6.3	0.003	0.01	0.13	1060	
A05-139	<0.01		1.3	0.027	0.01	0.02	80	
A05-139A	<0.01		1.0	0.002	0.01	0.05	330	
A05-140	0.04		25.2	0.123	0.34	0.91	2600	
A05-140A	<0.01		1.1	0.002	0.01	0.10	250	
A05-141	0.07		43.9	0.009	0.92	6.21	24000	
A05-141A	0.01	0.01	1.5	0.001	0.02	0.55	3000	
A05-142	<0.01		65.6	0.712	0.95	1.77	14350	
A05-142A	<0.01		2.1	0.002	0.01	0.03	470	
A05-145	<0.01		1.8	0.003	0.04	0.51	3100	
A05-146	<0.01		1.5	0.001	0.01	0.04	370	
A05-147	0.04		5.6	0.089	0.01	4.87	7300	
A05-148	0.92		22.1	0.048	0.02	0.03	90	
A05-149	0.04		1.5	0.007	0.01	0.03	130	
A05-150	0.01		1.1	0.110	0.01	0.01	170	
A05-153	0.03		11.0	0.003	0.11	1.10	1200	
A05-154	<0.01	<0.01	24.5	0.009	0.54	0.39	6500	
A05-156	0.07		2.4	0.002	0.07	0.05	230	
A05-157	0.01		0.2	0.002	0.02	0.03	70	
A05-158	0.20		106.0	0.012	0.20	0.30	33800	
A05-159	0.03		1.8	0.006	0.01	0.47	640	
*DUP A05-137			49.6	0.011	1.39	10.8	>50000	
*DUP A05-141A			1.9	0.001	0.02	0.56	2900	
*DUP A05-154			24.7	0.009	0.54	0.39	6900	
*97-45	1.43							
*KC-1a				0.633	2.26			
*CCu-1c			130.0			4.05		

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Assay Certificate

5V-0850-RA1

Sep-21-05

Company: **Pinnacle Mines**
Project: Surprise Creek
Attn: Alex Walus, Paul Saxton

We *hereby certify* the following assay of 24 rock samples submitted Sep-12-05 by 2.

Sample Name	Au g/tonne	Au-check g/tonne	Ag g/tonne	Cu %	Pb %	Zn %	Hg PPB
A05-170	0.01	0.01	1.3	0.002	0.01	0.02	45
A05-171	0.01		1.8	0.003	0.04	0.03	70
A05-172	<0.01		6.0	0.002	0.01	0.01	940
A05-173	<0.01		3.5	0.002	0.02	0.02	45
A05-174	<0.01		7.2	0.002	0.23	0.14	440
A05-175	<0.01		19.9	0.006	0.09	0.01	6150
A05-176	<0.01		5.3	0.001	0.01	0.01	940
A05-177	0.01		0.2	0.002	0.01	0.06	495
A05-178	<0.01		7.5	0.279	0.01	0.02	1080
A05-179	<0.01	<0.01	6.3	0.001	0.07	0.98	2250
A05-180	<0.01		4.5	0.002	0.03	0.19	690
A05-181	<0.01		1.1	0.001	0.01	0.01	750
A05-182	<0.01		6.4	0.001	0.06	0.99	2100
A05-183	<0.01		0.4	0.001	0.01	0.06	1330
A05-184	<0.01		15.7	0.028	0.21	0.36	11000
A05-185	<0.01		3.3	0.001	0.02	0.32	1545
A05-186	<0.01		8.1	0.026	0.03	0.01	1900
A05-187	<0.01		20.9	0.788	0.90	0.30	4100
A05-188	<0.01		7.8	0.019	0.06	0.27	1500
A05-189	0.01	<0.01	13.4	0.004	0.10	0.61	3050
A05-190	<0.01		16.1	0.260	0.75	0.09	5200
A05-191	<0.01		1.3	0.001	0.01	0.01	175
A05-192	<0.01		1.2	0.002	0.01	0.01	65
A05-193	<0.01		1.0	0.001	0.01	0.01	50
*DUP A05-170			1.4	0.001	0.01	0.01	40
*DUP A05-179			6.3	0.001	0.07	0.97	2150
*DUP A05-189			13.1	0.004	0.10	0.61	3100
*LKSD-2							165
*97-45	1.52						
*KC-1a				0.626	2.25		

Certified by _____

ASSAYERS CANADA

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Quality Assaying for over 25 Years

Assay Certificate

5V-0850-RA2

Sep-21-05

Company: **Pinnacle Mines**
Project: Surprise Creek
Attn: Alex Walus, Paul Saxton

We *hereby certify* the following assay of 17 rock samples submitted Sep-12-05 by 2.

Sample Name	Au g/tonne	Au-check g/tonne	Ag g/tonne	Cu %	Pb %	Zn %	Hg PPB
A05-194	0.02	0.01	0.6	0.008	0.01	0.02	10
A06-195	<0.01		0.7	0.001	0.01	0.01	<5
A07-196	<0.01		0.5	0.001	0.01	0.01	180
A07-197	<0.01		0.8	0.001	0.01	0.02	70
A07-198	<0.01		5.3	0.001	0.07	0.41	2850
A07-199	<0.01		0.9	0.002	0.01	0.02	2100
A07-200	0.01		2.0	0.001	0.01	0.02	630
A07-201	<0.01		1.5	0.001	0.01	0.01	15
A07-202	0.06	0.04	4.0	0.003	0.06	0.19	690
A07-203	0.01		1.5	0.001	0.01	0.02	555
SK-2	<0.01		6.7	0.001	0.11	0.73	1350
K1	<0.01		1.8	0.001	0.01	0.01	90
K2	<0.01		0.7	0.001	0.01	0.06	290
K3	<0.01		0.2	0.001	0.01	0.01	30
K4	<0.01		1.1	0.001	0.01	0.02	990
K5	<0.01		1.3	0.001	0.01	0.01	1140
K6	<0.01		1.0	0.001	0.01	0.01	635
*DUP A05-194			0.8	0.006	0.01	0.01	10
*DUP A07-203			1.2	0.002	0.01	0.01	550
*LKSD-2							170
*97-45	1.41						
*KC-1a				0.627	2.25		
*CCu-1c			127.0			4.00	
*BLANK	<0.01		<0.1	<0.001	<0.01	<0.01	<5

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Assay Certificate

5V-0859-RA1

Company: **Pinnacle Mines**
Project: Surprise Creek
Attn: Alex Walus

Sep-21-05

We *hereby certify* the following assay of 5 rock samples submitted Sep-14-05

Sample Name	Au g/tonne	Ag g/tonne	Cu %	Pb %	Zn %	Hg ppb
A05-204	0.08	4.9	0.002	0.01	0.01	755
A05-205	0.29	7.4	0.006	0.02	0.03	1030
A05-206	0.31	5.8	0.001	0.05	0.01	495
A05-207	0.32	7.5	0.004	0.05	0.02	855
A05-208	0.27	5.4	0.001	0.03	0.01	545
A05-209	0.38	7.4	0.003	0.11	0.08	1180
*DUP A05-204	0.08	4.8	0.001	0.01	0.01	760
*97-45	1.44					
*KC-1a			0.627	2.27		
*CCu-1c		128.0			3.99	
*LKSD-2						165
*BLANK	<0.01	<0.1	<0.001	<0.01	<0.01	<5

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Assay Certificate

5V-0914-RA3

Nov-08-05

Company: **Pinnacle Mines**
Project: Surprise Creek
Attn: Alex Walus

We *hereby certify* the following assay of 24 rock samples submitted Sep-26-05

Sample Name	Au g/tonne	Au-check g/tonmne	Ag g/tonne	Cu %	Pb %	Zn %	Hg PPM
K07	0.01	<0.01	3.8	0.004	0.04	0.38	2
K08	<0.01		1.7	0.002	0.01	0.05	1
K09	<0.01		0.7	0.002	0.01	0.03	<1
K10	<0.01		0.6	0.001	0.01	0.13	3
K11	0.01		3.2	0.002	0.07	0.48	2
K12	<0.01		0.2	0.001	0.01	0.01	<1
K13	<0.01		1.3	0.001	0.01	0.02	2
K14	0.02		0.2	0.001	0.01	0.02	1
K15	<0.01		0.5	0.002	0.01	0.07	<1
K16	0.02	0.01	1.1	0.002	0.02	0.02	2
K17	0.01		4.9	0.006	0.01	0.04	<1
K18	0.01		1.2	0.001	0.01	0.01	2
K19	<0.01		0.4	0.002	0.01	0.02	<1
K20	<0.01		2.7	0.003	0.01	0.01	<1
K21	0.01		4.0	0.007	0.01	0.01	1
K22	0.02		26.1	0.008	0.01	0.01	<1
K23	0.01		10.2	0.013	0.07	0.04	2
K24	0.01		2.4	0.007	0.01	0.02	<1
K25	<0.01		11.3	0.074	0.01	0.03	1
K26	0.01	0.01	0.2	0.002	0.01	0.09	1
K27	0.02		2.8	0.004	0.01	0.06	1
A05-210	<0.01		0.2	0.002	0.01	0.02	1
A05-211	0.01		5.7	0.006	0.01	0.02	1
A05-212	0.01		1.9	0.004	0.01	0.01	<1
*DUP K07			3.6	0.003	0.03	0.38	2
*DUP K16			1.1	0.002	0.01	0.03	2
*DUP K26			0.2	0.002	0.01	0.09	1
*97-45	1.37						
*CZn-1							42
*KC-1a				0.631	2.23		

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8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

5V-0914-RA4

Nov-08-05

Company: **Pinnacle Mines**
Project: Surprise Creek
Attn: Alex Walus

We *hereby certify* the following assay of 24 rock samples submitted Sep-26-05

Sample Name	Au g/tonne	Aui-check g/tonne	Ag g/tonne	Cu %	Pb %	Zn %	Hg PPM
A05-213	<0.01	0.01	0.7	0.004	0.01	0.06	<1
A05-214	<0.01		0.5	0.001	0.01	0.02	1
A05-216	<0.01		1.6	0.005	0.03	0.02	<1
A05-217	<0.01		0.4	0.001	0.01	0.02	<1
A05-218	<0.01		0.9	0.002	0.01	0.04	<1
A05-219	<0.01		0.2	0.001	0.01	0.06	<1
A05-220	0.01		1.0	0.004	0.01	0.05	<1
A05-221	<0.01		0.8	0.007	0.01	0.02	<1
A05-222	<0.01		0.2	0.001	0.01	0.03	<1
A05-223	0.01	0.01	0.4	0.018	0.02	0.05	<1
A05-224	<0.01		8.5	0.006	0.07	0.21	<1
A05-225	0.01		6.0	0.003	0.03	0.10	<1
A05-226	0.01		5.9	0.001	0.01	0.23	2
A05-227	0.01		7.1	0.003	0.09	1.14	1
A05-228	0.01		8.7	0.001	0.01	0.01	4
A05-229	<0.01		1.5	0.001	0.02	0.08	<1
A05-230	0.01		3.1	0.001	0.01	0.05	<1
A05-233	<0.01		11.6	0.002	0.11	0.24	<1
A05-234	<0.01		60.5	0.032	1.10	7.61	10
A05-235	<0.01	0.01	6.0	0.003	0.10	0.68	2
A05-236	<0.01		9.7	0.003	0.11	0.91	2
A05-237	0.01		1.4	0.001	0.01	0.13	1
A05-238	0.01		7.9	0.001	0.04	0.05	1
A05-239	<0.01		1.8	0.001	0.01	0.19	<1
*DUP A05-213			0.8	0.003	0.01	0.05	<1
*DUP A05-223			0.5	0.017	0.01	0.04	<1
*DUP A05-235			5.7	0.002	0.10	0.68	2
*97-45	1.47						
*CZn-1							41
*KC-1a				0.639	2.26		

Certified by

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Quality Assaying for over 25 Years

Assay Certificate

5V-0914-RA5

Nov-08-05

Company: **Pinnacle Mines**
Project: Surprise Creek
Attn: Alex Walus

We *hereby certify* the following assay of 24 rock samples submitted Sep-26-05

Sample Name	Au g/tonne	Au-check g/tonne	Ag g/tonne	Cu %	Pb %	Zn %	Hg PPM
A05-240	0.01	<0.01	0.2	0.001	0.01	0.07	1
A05-241	0.02		5.5	0.002	0.08	0.58	1
A05-242	0.02		45.9	0.004	0.34	0.21	2
A05-243	0.01		9.8	0.001	0.10	0.60	1
A05-244	0.02		16.9	0.001	0.07	0.12	4
A05-245	0.01		0.5	0.001	0.01	0.02	1
A05-246	0.01		1.6	0.001	0.01	0.06	<1
A05-247	0.02		60.1	0.006	1.48	3.81	12
A05-248	0.01		48.6	0.005	0.76	1.91	8
A05-304	0.03		2.3	0.001	0.01	0.03	<1
A05-305	0.02		1.4	0.004	0.01	0.13	<1
A05-306	0.02		6.0	0.009	0.01	0.06	<1
A05-307	0.15	0.16	15.8	0.013	0.01	0.54	<1
A05-308	0.01		2.5	0.005	0.01	0.29	<1
A05-309	14.1	14.6	11.3	0.190	0.01	0.01	<1
A05-310	0.03		0.2	0.001	0.01	0.01	<1
A05-311	0.45		37.6	0.070	0.11	0.21	<1
A05-312	0.12		1.0	0.107	0.01	0.01	<1
A05-313	<0.01		22.1	0.003	0.01	0.02	4
A05-314	<0.01		5.9	0.002	0.01	0.02	4
A05-315	0.01		16.8	0.020	0.15	0.02	<1
A05-316	0.01		4.3	0.006	0.03	0.04	<1
A05-317	0.01		0.9	0.001	0.01	0.04	<1
A05-318	0.01		1.0	0.001	0.01	0.01	1
*DUP A05-240			0.2	0.001	0.01	0.07	1
*DUP A05-304			2.2	0.001	0.01	0.03	<1
*DUP A05-314			6.0	0.001	0.01	0.03	4
*97-45	1.38						
*CZn-1							41
*KC-1a				0.630	2.23		

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Quality Assaying for over 25 Years

Assay Certificate

5V-0914-RA6

Nov-08-05

Company: **Pinnacle Mines**
Project: Surprise Creek
Attn: Alex Walus

We *hereby certify* the following assay of 14 rock samples submitted Sep-26-05

Sample Name	Au g/tonne	Au-check g/tonne	Ag g/tonne	Cu %	Pb %	Zn %	Hg PPM
A05-319	0.01	0.01	1.8	0.001	0.01	0.02	<1
A05-320	0.02		1.1	0.001	0.37	0.11	4
A05-321	0.01		4.8	0.001	0.21	0.05	12
A05-322	<0.01		3.1	0.001	0.01	0.04	1
A05-323	0.02		0.5	0.006	0.01	0.04	<1
A05-324	0.01		14.0	0.004	0.28	1.10	3
A05-325	2.02	1.99	86.1	0.045	0.04	0.60	1
A05-326	0.02		0.2	0.001	0.01	0.02	1
A05-327	0.01		5.2	0.001	0.13	0.77	38
A05-210A	0.04		2.4	0.002	0.01	0.01	2
A05-211A	0.02		0.2	0.001	0.01	0.07	1
A05-216A	0.02		1.7	0.021	0.01	0.02	<1
A05-242A	<0.01		14.0	0.003	0.56	1.50	5
A05-231	0.01		7.2	0.001	0.01	0.02	4
*DUP A05-319			1.5	0.001	0.01	0.02	<1
*DUP A05-210A			2.8	0.002	0.01	0.01	1
*97-45	1.36						
*CZn-1							41
*97-45							
*KC-1a				0.632	2.23		
*CCu-1c			130.0			4.06	
*BLANK	<0.01		<0.1	<0.001	<0.01	<0.01	<1

Certified by _____

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Quality Assaying for over 25 Years

Assay Certificate

5V-0732-RA6

Company: **Pinnacle Mines**
Project: Surprise Creek
Attn: Alex Walus

Aug-30-05

We *hereby certify* the following assay of 1 rock chips sample submitted Aug-15-05

Sample Name	Au g/tonne	Ag g/tonne	Cu %	Pb %	Zn %	Hg ppb
CK-B2	0.02	8.3	0.029	0.03	2.23	8200
*DUP CK-B2	0.02	8.6	0.029	0.03	2.24	8100
*GS-3A	3.05					
*KC-1a			0.635	2.29		
*CCu-1c		132.0			4.05	
*CZn-1						
LKSD-1						135
*BLANK	<0.01	<0.1	<0.001	<0.01	<0.01	<5

Certified by _____

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Quality Assaying for over 25 Years

Geochemical Analysis Certificate

5V-0732-LG1

Company: **Pinnacle Mines**
Project: Surprise Creek
Attn: Alex Walus

Aug-30-05

We *hereby certify* the following geochemical analysis of 7 sils samples submitted Aug-15-05

Sample Name	Hg ppb
SS-1	160
SS-2	50
SS-3	60
SS-4	210
SS-5	230
SS-6	175
SS-7	200
*DUP SS-1	155
*LKSD-1	140
*BLANK	<5

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Quality Assaying for over 25 Years

Geochemical Analysis Certificate

5V-0914-LG1

Nov-08-05

Company: **Pinnacle Mines**
Project: Surprise Creek
Attn: Alex Walus

We *hereby certify* the following geochemical analysis of 1 silt sample submitted Sep-26-05

Sample Name	Hg PPB
S-10	220
*STSD-1	130
*BLANK	<5

Certified by _____

Assayers Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Pinnacle Mines

Attention: Alex Walus

Project: Surprise Creek

Sample: rock chips

Report No : 5V0732 RJ

Date : Aug-30-05

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
A05-132	6.9	0.14	694	41	1.6	25	>15.00	<1	15	23	46	12.14	<0.01	0.35	>10000	36	0.01	4	188	461	28	<1	<10	297	<0.01	93	44	12	2952	1
A05-133	20.0	0.76	860	70	2.8	25	11.83	40	21	49	71	>15.00	<0.01	0.67	>10000	52	0.01	6	344	3484	46	<1	<10	221	<0.01	99	278	8	>10000	1
A05-134A	11.0	0.96	821	30	2.2	19	4.88	<1	16	87	51	13.18	<0.01	0.57	>10000	22	<0.01	8	333	2241	33	2	<10	85	<0.01	104	145	7	9185	1
A05-143	2.2	0.68	369	60	1.5	<5	4.86	12	22	159	27	3.46	0.16	0.11	3420	8	0.01	8	366	1728	15	2	<10	118	<0.01	16	69	6	4783	
A05-144	22.7	<0.01	1138	68	<0.5	20	>15.00	<1	1	47	25	8.26	<0.01	0.03	7499	40	0.01	4	135	254	90	<1	<10	349	<0.01	11	<10	6	222	
A05-151	31.6	<0.01	244	19	<0.5	10	7.80	5	11	99	33	1.49	0.02	0.04	5322	46	0.01	8	26	2656	31	1	<10	227	<0.01	2	32	4	2298	
A05-152	11.7	<0.01	105	23	<0.5	<5	12.84	61	9	41	12	1.31	<0.01	0.09	9827	29	0.01	6	71	1332	12	<1	<10	558	<0.01	3	123	3	8303	
A05-155	35.4	<0.01	1308	85	<0.5	<5	>15.00	<1	2	66	6	6.71	0.02	0.03	>10000	38	0.02	4	105	943	64	<1	<10	492	<0.01	14	204	1	>10000	
A05-165	12.1	0.97	1241	73	3.9	15	>15.00	<1	10	16	36	13.74	0.05	0.48	>10000	51	0.02	4	315	1866	43	2	<10	575	<0.01	95	233	6	>10000	1
CK05-47	2.3	0.47	1087	25	0.9	17	5.08	<1	6	118	16	12.17	0.02	0.13	2690	3	0.01	5	268	1090	30	<1	<10	134	<0.01	543	65	3	4461	1
A05-111	<0.2	0.17	8	297	<0.5	<5	0.54	<1	1	157	6	0.85	0.11	0.02	141	3	0.06	5	198	29	<5	<1	<10	33	<0.01	7	<10	2	31	
A05-112	1.3	0.25	41	92	<0.5	<5	0.93	<1	9	48	10	3.47	0.24	0.14	270	8	0.05	9	962	53	7	1	<10	64	<0.01	11	<10	5	98	1
A05-113	0.7	1.66	12	103	<0.5	<5	0.28	<1	25	79	67	4.18	0.37	1.52	478	<2	0.03	136	1030	22	6	1	<10	9	0.05	38	<10	6	93	
A05-114	4.0	0.19	108	17	<0.5	9	0.19	<1	7	33	5	14.32	0.18	0.02	41	<2	0.02	5	405	125	25	<1	<10	4	<0.01	25	<10	<1	<1	1
A05-115	2.5	0.35	5	39	<0.5	9	0.16	1	15	63	330	10.47	0.28	0.02	143	<2	0.02	12	722	50	<5	<1	<10	4	<0.01	19	13	3	371	2
A05-116	0.8	0.26	38	100	<0.5	<5	2.78	15	6	32	83	1.92	0.19	0.06	284	27	0.02	68	696	29	11	2	<10	169	<0.01	17	25	7	1382	
A05-117	0.7	0.39	17	108	<0.5	<5	0.07	<1	6	40	4	2.35	0.37	0.02	41	10	0.04	4	509	27	9	1	<10	7	<0.01	12	<10	1	<1	
A05-118	<0.2	0.39	<5	109	<0.5	<5	0.30	4	12	176	44	2.89	0.18	0.01	551	21	0.01	34	904	21	<5	2	<10	45	<0.01	10	<10	13	436	
A05-119	<0.2	0.14	20	36	<0.5	<5	1.06	20	30	213	40	1.76	0.07	0.04	1155	13	0.01	97	389	17	5	2	<10	123	<0.01	6	31	13	1725	
A05-120	<0.2	0.02	<5	11	<0.5	<5	0.37	<1	<1	222	1	0.55	0.01	0.04	231	13	0.01	8	37	<2	<5	<1	<10	36	<0.01	4	<10	<1	<1	
A05-121	<0.2	1.32	47	32	<0.5	<5	1.02	<1	12	88	72	4.92	0.12	0.76	923	7	0.04	26	1399	5	<5	3	<10	17	0.08	108	<10	9	173	
A05-122	2.3	1.43	23	56	<0.5	<5	0.09	<1	4	53	51	4.90	0.07	1.35	370	5	0.02	17	250	23	<5	1	<10	11	<0.01	38	<10	1	86	
A05-123	<0.2	2.64	21	241	<0.5	<5	11.44	<1	18	13	20	8.17	0.11	3.31	7804	<2	0.03	15	3118	5	<5	10	<10	583	<0.01	92	<10	18	105	
A05-124	0.9	0.86	63	33	<0.5	<5	2.07	<1	6	122	44	4.16	0.03	0.62	2512	<2	0.03	22	3907	12	6	4	<10	185	<0.01	64	<10	8	39	
A05-125	<0.2	1.31	<5	65	<0.5	<5	0.62	<1	5	109	88	4.86	0.07	0.52	117	3	0.03	42	2718	9	<5	2	<10	65	<0.01	121	<10	5	8	
A05-128	40.9	0.04	53	67	<0.5	<5	0.18	>100	17	132	215	1.84	0.03	0.05	716	12	0.01	15	191	6706	48	<1	<10	27	<0.01	4	963	2	>10000	
A05-129	27.7	0.12	96	75	<0.5	<5	1.17	>100	26	98	43	3.42	0.11	0.17	1166	27	0.01	13	366	9736	32	1	<10	121	<0.01	7	391	2	>10000	
A05-130	4.7	0.17	100	790	<0.5	5	0.98	17	5	120	70	1.67	0.15	0.10	837	9	0.01	4	525	698	<5	2	<10	234	<0.01	3	54	3	3003	
A05-131	<0.2	0.34	150	34	<0.5	<5	0.75	<1	5	308	3	1.42	0.02	0.11	4287	4	0.01	11	107	70	9	<1	<10	14	<0.01	30	11	1	532	
A05-134	14.4	0.21	317	24	<0.5	<5	0.19	>100	18	46	16	6.62	0.18	<0.01	766	13	0.01	9	1104	2196	27	2	<10	43	<0.01	19	1393	5	>10000	

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Assayers Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
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Pinnacle Mines
Attention: Alex Walus
Project: Surprise Creek
Sample: rock chips

Report No : 5V0732 RJ
Date : Aug-30-05

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Z pp
A05-135	17.6	0.15	19	3073	<0.5	<5	0.03	1	5	128	63	6.75	0.09	0.02	722	5	0.01	5	198	102	51	<1	<10	111	0.03	31	23	2	527	
A05-135A	27.9	0.11	19	538	<0.5	<5	1.77	81	5	119	22	0.76	0.10	0.04	1169	10	0.01	6	257	>10000	29	1	<10	306	<0.01	2	145	2	7993	
A05-136	22.0	0.37	23	559	<0.5	42	0.85	14	4	177	44	2.29	0.24	0.11	2992	82	0.01	10	1397	842	7	3	<10	178	<0.01	66	44	10	2329	
A05-136A	<0.2	0.82	1658	36	0.8	<5	7.11	<1	7	66	9	9.24	<0.01	0.29	7564	8	0.01	6	445	305	20	2	<10	151	<0.01	64	64	9	3114	
A05-137	50.4	0.04	12	28	<0.5	<5	0.06	>100	2	156	97	1.72	0.02	<0.01	123	24	<0.01	6	264	>10000	55	<1	<10	15	<0.01	2	2028	<1	>10000	
A05-137A	1.4	0.12	281	85	<0.5	7	13.94	28	5	74	7	2.45	0.03	0.06	5865	20	0.01	3	343	82	54	1	<10	193	<0.01	24	11	2	1009	
A05-138	8.3	0.04	14	24	<0.5	14	0.25	>100	11	85	597	7.87	0.02	0.02	318	27	<0.01	3	330	1349	10	2	<10	12	<0.01	9	1622	3	>10000	
A05-138A	6.2	<0.01	342	69	<0.5	14	12.89	<1	3	105	11	4.65	0.02	0.03	8422	19	0.01	4	70	101	30	<1	<10	259	<0.01	10	<10	8	732	
A05-139	0.3	0.77	21	394	<0.5	7	0.13	<1	7	109	275	1.76	0.34	0.03	116	36	0.02	5	195	8	<5	1	<10	22	<0.01	15	<10	<1	191	
A05-139A	0.6	0.07	5	117	<0.5	<5	>15.00	2	2	59	10	0.68	0.04	0.08	3146	<2	0.01	2	202	9	<5	2	<10	293	<0.01	19	<10	9	447	
A05-140	25.3	0.16	136	91	<0.5	16	2.94	50	8	76	1290	4.92	0.11	0.56	3141	120	0.01	5	887	3508	380	2	<10	379	<0.01	7	141	4	9123	
A05-140A	2.5	0.32	169	49	<0.5	5	>15.00	<1	6	79	11	1.71	<0.01	0.13	>10000	71	0.01	4	160	48	10	<1	<10	308	<0.01	94	<10	2	804	
A05-141	45.2	0.03	37	32	<0.5	<5	>15.00	>100	12	15	76	2.98	0.06	0.11	7409	76	0.01	4	400	8785	42	<1	<10	377	<0.01	4	964	8	>10000	
A05-141A	2.1	0.02	159	87	<0.5	<5	>15.00	>100	36	64	6	1.24	0.02	0.06	7189	22	0.01	5	125	143	11	2	<10	247	<0.01	9	70	8	4728	
A05-142	68.5	0.01	1348	53	<0.5	<5	0.13	18	2	45	7522	2.65	<0.01	0.03	563	11	<0.01	1	339	>10000	239	<1	<10	137	<0.01	3	317	1	>10000	
A05-142A	3.5	<0.01	73	818	<0.5	<5	12.78	<1	4	101	27	0.58	0.02	0.02	>10000	3	0.01	3	198	87	11	<1	<10	204	<0.01	27	<10	2	233	
A05-145	2.0	0.12	1079	50	<0.5	26	10.64	<1	17	28	24	7.91	0.11	0.05	7677	162	0.01	3	808	421	24	5	<10	185	<0.01	19	75	6	4892	
A05-146	3.4	0.79	<5	150	<0.5	<5	>15.00	7	3	12	<1	2.48	0.03	0.25	>10000	<2	0.02	3	392	23	<5	3	<10	794	<0.01	75	<10	3	309	
A05-147	6.0	0.04	34	57	<0.5	11	5.56	>100	11	48	901	4.46	0.04	0.23	3513	116	<0.01	6	236	81	8	1	<10	166	<0.01	4	767	7	>10000	
A05-148	19.6	0.01	>10000	21	<0.5	80	0.08	<1	11	173	493	10.95	0.01	0.01	401	<2	0.01	2	92	231	15	<1	<10	5	<0.01	10	<10	<1	252	
A05-149	0.2	0.21	69	147	<0.5	<5	0.08	<1	1	133	68	0.38	0.24	<0.01	74	5	0.01	5	44	98	10	<1	<10	4	<0.01	<1	<10	2	215	
A05-150	0.8	0.14	19	106	<0.5	<5	0.19	<1	1	252	1124	0.62	0.17	0.01	119	6	0.01	7	79	29	7	<1	<10	13	<0.01	1	<10	3	61	
A05-153	11.2	<0.01	59	46	<0.5	8	12.35	73	7	40	28	1.27	0.02	0.05	8897	21	<0.01	5	88	1082	10	<1	<10	457	<0.01	3	152	2	9982	
A05-154	23.1	2.15	2352	20	<0.5	22	0.70	<1	12	68	84	12.64	0.05	0.83	4578	526	0.01	<1	120	5668	73	3	<10	25	<0.01	113	55	2	3691	
A05-156	2.4	0.13	314	90	<0.5	8	14.60	<1	10	27	13	1.32	0.14	0.08	5295	9	0.01	4	479	754	110	3	<10	614	<0.01	7	<10	5	417	
A05-157	<0.2	0.53	<5	412	0.7	35	9.02	4	7	11	<1	>15.00	0.16	0.40	5359	39	0.02	<1	585	189	6	2	<10	6461	0.03	67	<10	8	218	
A05-158	103.3	0.04	5910	14	<0.5	34	0.19	<1	4	125	101	11.56	0.01	0.02	136	12	<0.01	5	241	2193	307	<1	<10	53	<0.01	13	44	<1	2915	
A05-159	0.9	0.62	71	144	<0.5	<5	0.36	72	11	65	54	2.85	0.25	0.27	236	44	0.02	79	1003	19	<5	2	<10	18	0.03	79	70	5	4766	
A05-160	18.5	<0.01	995	23	<0.5	13	2.24	46	11	141	89	9.11	0.01	<0.01	2985	8	0.01	5	154	3789	63	<1	<10	77	<0.01	17	224	1	>10000	
A05-161	1.4	<0.01	38	15	<0.5	<5	>15.00	<1	2	32	40	0.76	<0.01	0.10	6188	4	0.02	2	56	85	<5	<1	<10	1156	<0.01	8	<10	2	226	

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Assayers Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Pinnacle Mines
Attention: Alex Walus
Project: Surprise Creek
Sample: rock chips

Report No : 5V0732 RJ
Date : Aug-30-05

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
A05-162	1.0	<0.01	<5	19	<0.5	<5	>15.00	2	<1	27	3	0.33	<0.01	0.09	5241	13	0.02	<1	46	21	<5	<1	<10	1114	<0.01	3	<10	<1	50	
A05-163	3.2	<0.01	774	88	<0.5	6	>15.00	<1	22	43	23	3.55	0.02	0.04	>10000	246	0.01	4	230	261	15	1	<10	392	<0.01	15	48	3	3314	
A05-164	0.9	0.03	63	21	<0.5	<5	>15.00	<1	2	17	3	0.86	0.02	0.07	5049	118	0.01	1	117	15	7	3	<10	449	<0.01	14	<10	2	84	
A05-166	10.8	0.61	122	76	2.5	18	13.91	>100	28	21	8	>15.00	<0.01	0.75	>10000	17	0.02	<1	249	924	11	<1	<10	404	<0.01	173	590	3	>10000	1
CK05-12	<0.2	1.97	<5	77	<0.5	<5	0.22	2	17	87	54	4.19	0.11	1.24	878	<2	0.03	93	685	22	<5	3	<10	14	<0.01	44	<10	3	367	
CK05-13	<0.2	2.62	<5	100	<0.5	<5	0.24	1	17	133	38	4.96	0.13	2.18	720	<2	0.02	113	1183	11	<5	3	<10	17	<0.01	54	<10	5	132	
CK05-14	<0.2	2.37	<5	85	<0.5	<5	0.03	1	6	21	18	4.87	0.11	1.72	2405	<2	0.02	11	191	5	<5	2	<10	11	<0.01	29	<10	2	141	
CK05-15	0.5	1.26	<5	139	<0.5	<5	1.21	4	5	62	51	4.29	0.16	0.77	472	2	0.03	41	5297	13	<5	2	<10	72	0.01	106	<10	25	328	
CK05-16	0.7	0.27	27	121	<0.5	<5	0.11	<1	6	21	4	2.41	0.23	0.03	38	2	0.02	6	557	31	<5	<1	<10	10	<0.01	6	<10	2	49	
CK05-17	<0.2	1.00	<5	42	<0.5	5	>15.00	3	10	8	3	4.59	0.09	0.57	1536	<2	0.02	9	629	25	<5	3	<10	756	<0.01	10	<10	13	65	
CK05-18	0.9	0.31	19	71	<0.5	<5	0.42	<1	3	57	69	3.10	0.07	0.11	59	10	0.05	7	1403	33	<5	2	<10	22	<0.01	16	<10	4	74	
CK05-19	0.9	0.45	20	204	<0.5	5	0.28	<1	8	56	40	2.94	0.28	0.02	327	14	0.02	16	610	51	<5	1	<10	24	<0.01	8	<10	4	336	
CK05-20	<0.2	2.98	<5	133	<0.5	<5	1.93	2	23	14	99	6.75	0.24	1.95	1343	<2	0.02	10	981	8	<5	4	<10	38	0.16	109	<10	12	213	
CK05-21	<0.2	1.15	<5	191	<0.5	<5	0.62	<1	8	11	20	2.19	0.27	0.69	222	<2	0.03	4	1262	3	<5	<1	<10	50	<0.01	8	<10	11	92	
CK05-22	<0.2	0.12	90	593	1.0	17	3.37	3	5	109	22	12.69	0.02	0.05	1455	70	0.02	6	269	735	7	<1	<10	>10000	<0.01	16	12	1	820	
CK05-23	<0.2	0.51	<5	76	<0.5	<5	14.85	3	7	69	148	3.37	0.06	1.59	1846	<2	0.02	26	1208	26	<5	2	<10	2850	<0.01	10	<10	21	71	
CK05-24	4.4	0.07	87	77	<0.5	<5	7.91	>100	24	142	49	2.23	0.07	0.23	2668	81	0.01	12	181	613	11	1	<10	2125	<0.01	2	374	4	>10000	
CK05-25	6.1	0.10	186	54	<0.5	<5	1.63	24	23	141	52	1.94	0.08	0.26	912	35	0.01	8	153	870	15	<1	<10	349	<0.01	4	61	1	4192	
CK05-26	1.3	0.25	12	133	<0.5	<5	0.15	<1	<1	33	2	0.69	0.29	0.02	29	<2	0.02	<1	151	41	<5	<1	<10	33	<0.01	4	<10	1	70	
CK05-27	105.0	0.04	7	135	<0.5	<5	0.18	>100	2	22	41	0.27	0.02	0.02	66	3	0.01	<1	312	>10000	71	<1	<10	315	<0.01	<1	356	1	>10000	<
CK05-28	9.2	<0.01	65	38	<0.5	<5	2.29	>100	7	162	835	3.78	<0.01	0.64	2411	7	0.01	8	98	1781	39	2	<10	115	<0.01	12	1296	2	>10000	
CK05-29	48.9	0.01	87	187	<0.5	6	0.01	<1	<1	158	35	2.84	0.33	<0.01	42	37	0.01	6	142	8928	44	<1	<10	67	<0.01	2	<10	<1	570	
CK05-30	17.2	<0.01	899	<10	<0.5	78	0.05	<1	31	98	22	>15.00	<0.01	<0.01	25	<2	0.01	<1	179	163	25	<1	<10	23	<0.01	26	<10	<1	116	1
CK05-31	2.3	0.03	264	38	<0.5	28	0.83	<1	25	126	738	11.86	0.03	0.26	2705	11	0.01	7	260	87	16	<1	<10	35	<0.01	12	1385	2	1082	
CK05-32	0.8	0.51	166	64	<0.5	15	0.01	<1	17	117	526	3.78	0.28	0.01	31	<2	0.02	4	110	77	10	<1	<10	21	<0.01	7	<10	<1	35	
CK05-33	4.8	2.51	159	83	0.6	38	0.26	<1	26	48	905	6.22	1.02	0.02	183	56	0.06	10	1168	63	9	7	<10	37	<0.01	32	<10	5	172	1
CK05-34	3.2	0.32	46	74	<0.5	<5	1.35	>100	15	44	428	2.54	0.31	0.07	1156	<2	0.01	4	734	192	9	1	<10	52	<0.01	9	1059	4	>10000	
CK05-35	3.4	0.13	17	284	<0.5	<5	4.45	98	23	67	125	3.67	0.06	0.69	3586	33	0.01	12	308	296	12	<1	<10	369	<0.01	7	200	3	>10000	
CK05-36	1.0	0.50	35	65	<0.5	<5	2.43	<1	8	101	12	1.90	0.17	0.08	1747	<2	0.03	3	464	64	6	3	<10	49	<0.01	18	<10	9	286	1
CK05-37	0.3	0.24	18	67	<0.5	<5	3.18	<1	2	70	5	0.98	0.21	0.03	1992	<2	0.02	3	455	17	5	2	<10	61	<0.01	4	<10	9	144	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Assayers Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Pinnacle Mines
Attention: Alex Walus
Project: Surprise Creek
Sample: rock chips

Report No : 5V0732 RJ
Date : Aug-30-05

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
CK05-38	0.2	0.31	8	91	<0.5	<5	0.04	<1	3	92	6	1.31	0.29	0.02	51	<2	0.01	3	328	28	6	1	<10	16	<0.01	4	<10	3	184	
CK05-39	<0.2	0.01	<5	2969	<0.5	17	>15.00	4	3	6	85	10.45	0.03	0.06	>10000	<2	0.01	<1	69	141	50	<1	<10	724	<0.01	279	64	16	18	
CK05-40	0.4	0.25	26	87	<0.5	<5	0.47	<1	3	125	8	2.09	0.20	0.01	306	5	0.04	3	477	30	5	1	<10	13	0.03	9	<10	6	150	
CK05-41	16.2	<0.01	993	90	<0.5	<5	11.05	9	6	117	31	3.00	0.01	0.08	6915	1305	0.01	3	54	1014	101	<1	<10	288	<0.01	11	197	2	>10000	
CK05-42	8.1	0.72	131	27	0.6	24	0.46	<1	15	28	26	10.64	0.51	0.05	381	11	0.01	8	1356	152	26	3	<10	19	<0.01	46	<10	8	73	
CK05-43	3.5	0.39	28	77	<0.5	<5	2.51	<1	29	67	63	3.15	0.39	0.03	957	10	0.01	19	583	127	23	3	<10	61	<0.01	11	<10	5	168	
CK05-44	4.5	0.15	38	58	<0.5	9	0.69	<1	5	56	37	5.24	0.14	0.07	378	28	0.02	3	336	166	8	<1	<10	38	<0.01	5	<10	4	78	
CK05-45	3.3	0.23	113	37	<0.5	22	0.81	<1	8	102	39	8.73	0.21	0.10	792	20	0.02	3	295	194	12	1	<10	62	<0.01	9	13	7	884	
CK05-46	0.9	0.10	87	94	<0.5	<5	0.01	<1	1	128	6	0.95	0.14	<0.01	27	11	0.01	7	28	71	5	<1	<10	5	<0.01	<1	<10	<1	15	
CK05-48	<0.2	0.84	22	696	0.9	30	0.74	<1	13	28	25	>15.00	0.18	0.27	527	27	0.01	<1	2131	247	62	<1	<10	94	0.12	202	21	7	538	
CK05-49	2.8	0.19	128	96	<0.5	<5	0.07	<1	4	84	9	1.91	0.18	<0.01	54	10	0.03	4	417	166	7	<1	<10	11	<0.01	8	<10	3	51	
CK05-50	25.2	0.06	>10000	<10	<0.5	112	0.41	<1	102	86	599	>15.00	0.05	0.11	1007	<2	0.01	4	209	654	27	<1	<10	41	<0.01	25	15	<1	930	
CK05-51	<0.2	0.43	56	109	<0.5	<5	4.43	<1	21	16	91	5.86	0.31	1.90	1598	<2	0.03	5	1542	13	9	7	<10	466	<0.01	43	<10	10	117	
CK05-52	<0.2	1.78	145	132	<0.5	<5	0.71	>100	24	21	18	5.98	0.28	1.04	977	49	0.03	11	1491	77	<5	3	<10	12	0.11	43	60	8	4059	
CK-B1	57.9	0.66	133	147	<0.5	<5	13.94	82	21	24	1608	4.04	0.09	0.32	>10000	64	0.02	7	302	384	352	2	<10	1401	<0.01	33	127	11	8348	
CK-B2	10.7	0.05	62	199	<0.5	<5	3.93	>100	9	148	298	3.48	0.03	1.14	3360	239	0.01	9	178	265	50	3	<10	789	<0.01	14	358	3	>10000	

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Assayers Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Pinnacle Mines
Attention: Alex Walus, Paul Saxton
Project: Surprise Creek
Sample: rock

Report No : 5V0850 RJ
Date : Sep-21-05

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
A05-170	1.3	0.18	7	84	<0.5	<5	0.06	1	<1	87	7	0.45	0.17	<0.01	258	3	0.01	3	34	19	7	<1	<10	3	<0.01	<1	<10	6	109	2
A05-171	<0.2	0.10	88	873	8.5	37	3.28	<1	4	80	<1	>15.00	0.02	0.12	2342	86	0.01	<1	297	529	56	<1	<10	293	<0.01	46	<10	1	326	1
A05-172	6.7	0.04	98	<10	<0.5	<5	<0.01	<1	1	151	10	2.05	0.03	<0.01	35	33	0.01	5	15	36	20	<1	<10	2	<0.01	6	<10	<1	29	
A05-173	1.0	0.07	38	85	6.0	31	3.13	2	5	34	<1	>15.00	<0.01	0.18	2979	83	0.01	<1	334	279	45	<1	<10	298	<0.01	43	<10	<1	208	1
A05-174	10.4	0.64	2520	157	2.7	18	>15.00	<1	20	3	14	11.54	0.02	0.19	>10000	260	0.01	2	163	2951	50	2	<10	1125	<0.01	32	18	11	1462	1
A05-175	21.9	0.07	625	114	<0.5	<5	0.10	<1	<1	151	76	3.72	0.22	<0.01	57	185	0.01	5	260	971	126	<1	<10	9	<0.01	13	<10	<1	29	
A05-176	6.1	0.04	76	<10	<0.5	<5	<0.01	<1	2	164	9	1.74	0.03	<0.01	32	32	0.01	6	14	33	19	<1	<10	2	<0.01	6	<10	<1	23	
A05-177	1.4	1.70	2333	57	0.5	10	6.79	<1	6	31	15	12.05	0.04	0.61	>10000	25	0.02	<1	610	123	45	3	<10	442	<0.01	31	<10	19	532	
A05-178	8.2	0.15	91	58	<0.5	<5	0.04	<1	5	104	3194	1.22	0.11	<0.01	125	114	0.01	4	256	107	37	<1	<10	3	<0.01	13	<10	2	177	1
A05-179	10.2	0.10	2347	112	1.4	12	>15.00	<1	9	13	14	7.68	0.04	0.28	>10000	363	0.02	<1	171	739	61	<1	<10	1338	<0.01	24	209	6	>10000	
A05-180	3.7	0.05	787	59	2.7	36	5.93	<1	6	69	11	>15.00	0.02	0.04	4713	116	0.01	<1	380	366	52	<1	<10	256	<0.01	35	38	2	1874	1
A05-181	13.1	1.09	1068	159	1.9	7	>15.00	<1	<1	24	<1	7.68	<0.01	0.48	>10000	252	0.02	5	137	72	25	<1	<10	1599	<0.01	12	<10	5	83	
A05-182	11.0	0.10	2412	124	1.5	6	>15.00	<1	11	13	13	7.97	0.05	0.29	>10000	399	0.02	<1	174	792	62	<1	<10	1464	<0.01	25	222	7	>10000	
A05-183	0.3	0.39	23	71	0.8	<5	0.18	<1	5	39	9	0.84	0.36	0.01	286	<2	0.01	1	446	30	6	1	<10	10	<0.01	2	12	5	657	
A05-184	17.2	0.16	589	57	<0.5	<5	0.04	>100	9	168	322	2.75	0.06	<0.01	163	157	0.01	7	262	2243	99	<1	<10	21	<0.01	7	81	<1	4052	
A05-185	6.7	0.33	339	226	0.7	<5	>15.00	13	19	33	23	2.08	0.17	0.10	>10000	39	0.03	4	422	228	12	2	<10	497	<0.01	14	58	7	3319	
A05-186	8.2	0.03	181	32	<0.5	<5	0.07	<1	2	221	305	0.70	0.05	<0.01	87	34	0.01	8	129	289	45	<1	<10	21	<0.01	1	<10	2	114	
A05-187	22.9	0.04	242	56	<0.5	<5	0.04	>100	22	166	8774	1.17	<0.01	<0.01	70	47	0.01	11	203	9216	140	<1	<10	8	<0.01	1	60	<1	3012	
A05-188	7.9	1.62	419	42	0.5	8	0.12	12	27	70	236	8.95	0.15	0.48	1716	179	0.01	9	703	682	42	4	<10	15	<0.01	58	52	5	2715	
A05-189	14.8	0.51	539	112	0.8	<5	6.90	13	48	59	51	4.08	0.21	0.37	3621	463	0.02	9	537	1009	39	4	<10	538	<0.01	5	125	24	6367	
A05-190	17.5	0.06	230	85	<0.5	<5	0.01	<1	3	248	2917	1.21	0.01	<0.01	50	54	0.01	10	100	7804	199	<1	<10	6	<0.01	2	15	2	760	
A05-191	<0.2	0.06	39	31	<0.5	<5	0.02	<1	1	150	7	0.69	0.03	<0.01	640	5	0.02	5	80	21	9	1	<10	4	<0.01	1	<10	<1	40	
A05-192	<0.2	0.26	9	130	<0.5	<5	0.09	<1	<1	91	8	0.46	0.14	0.01	374	<2	0.03	3	83	27	8	<1	<10	5	<0.01	<1	<10	2	71	
A05-193	<0.2	0.23	<5	57	<0.5	<5	0.15	<1	<1	124	3	0.17	0.16	0.01	81	4	0.03	4	28	10	6	<1	<10	11	<0.01	<1	<10	3	<1	
A05-194	<0.2	1.24	6	43	<0.5	<5	1.38	<1	20	115	4	1.88	0.08	0.68	695	<2	0.03	14	898	<2	<5	5	<10	448	0.22	53	<10	6	28	
A06-195	<0.2	0.16	<5	40	<0.5	<5	0.63	<1	<1	128	<1	0.65	0.20	<0.01	398	3	0.02	6	52	<2	<5	<1	<10	18	0.01	2	<10	3	<1	
A07-196	<0.2	<0.01	39	11	<0.5	<5	>15.00	<1	<1	32	<1	0.38	<0.01	0.08	6189	40	0.02	2	148	<2	<5	<1	<10	306	<0.01	10	<10	2	26	
A07-197	<0.2	0.02	39	39	<0.5	<5	>15.00	1	2	64	<1	0.43	0.02	0.05	5866	19	0.02	3	51	<2	<5	<1	<10	516	<0.01	2	<10	1	200	
A07-198	3.1	0.01	637	14	<0.5	<5	10.13	<1	10	106	7	5.65	0.02	0.02	8400	103	0.02	7	168	763	22	<1	<10	174	<0.01	19	81	6	4422	
A07-199	<0.2	0.40	491	66	<0.5	<5	12.58	<1	15	44	22	3.48	0.22	0.07	2833	246	0.03	5	1259	8	39	7	<10	255	<0.01	31	<10	12	107	

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:_____

Assayers Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Pinnacle Mines
Attention: Alex Walus, Paul Saxton
Project: Surprise Creek
Sample: rock

Report No : 5V0850 RJ
Date : Sep-21-05

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
A07-200	2.1	0.15	94	29	<0.5	<5	>15.00	4	2	60	4	1.10	0.05	0.09	6034	335	0.02	4	391	4	6	5	<10	518	<0.01	36	<10	8	197	
A07-201	<0.2	0.03	16	22	<0.5	<5	0.11	<1	<1	192	<1	0.42	0.01	<0.01	62	8	0.01	8	17	<2	<5	<1	<10	6	<0.01	3	<10	<1	<1	
A07-202	2.3	0.32	696	99	0.8	9	7.38	<1	8	119	32	13.60	0.11	0.41	9384	4	0.02	8	419	628	14	<1	<10	313	<0.01	40	41	5	1919	
A07-203	<0.2	0.42	2624	57	<0.5	26	0.03	<1	6	6	<1	>15.00	0.14	0.01	269	<2	0.01	3	957	95	22	<1	<10	<1	<0.01	101	17	<1	112	
SK-2	5.1	<0.01	992	130	1.6	<5	>15.00	<1	13	38	2	5.43	0.02	0.13	>10000	38	0.02	4	145	1237	29	<1	<10	895	<0.01	24	152	3	7889	
K1	<0.2	0.02	15	19	<0.5	<5	14.25	<1	<1	67	<1	0.27	<0.01	0.05	3689	11	0.02	2	52	<2	<5	<1	<10	535	<0.01	3	<10	<1	57	
K2	<0.2	0.10	92	50	<0.5	<5	>15.00	<1	3	57	2	0.96	0.05	0.05	7053	38	0.02	3	131	71	<5	<1	<10	330	<0.01	189	<10	7	509	
K3	<0.2	0.02	22	73	<0.5	<5	>15.00	<1	<1	11	<1	0.81	0.03	0.08	>10000	<2	0.02	<1	109	<2	<5	<1	<10	916	<0.01	2	<10	1	<1	
K4	<0.2	0.03	152	13	<0.5	<5	13.01	<1	<1	70	<1	1.42	0.02	0.05	2794	273	0.01	4	195	<2	23	<1	<10	218	<0.01	11	<10	2	175	
K5	<0.2	0.28	193	56	<0.5	<5	>15.00	<1	14	18	14	3.30	0.16	0.09	3647	102	0.03	5	847	<2	<5	10	<10	410	<0.01	25	<10	9	3	
K6	<0.2	0.17	145	40	<0.5	<5	>15.00	<1	7	23	9	2.20	0.09	0.09	3982	116	0.03	4	563	<2	9	7	<10	446	<0.01	16	<10	8	29	

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Assayers Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Pinnacle Mines
Attention: Alex Walus
Project: Surprise Creek
Sample: rock

Report No : **5V0859 RJ**
Date : Sep-21-05

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
A05-204	4.1	0.46	96	114	<0.5	<5	0.01	<1	3	54	13	3.96	0.17	0.06	38	3	0.01	3	511	45	29	1	<10	5	<0.01	11	<10	1	37	
A05-205	6.8	0.37	200	107	<0.5	<5	0.03	<1	5	109	57	5.64	0.17	0.05	39	5	0.01	7	1033	218	31	1	<10	11	<0.01	14	<10	2	267	
A05-206	5.9	0.31	156	134	<0.5	5	0.02	<1	2	116	7	2.51	0.23	0.02	23	3	0.01	3	896	266	23	<1	<10	22	<0.01	9	<10	1	42	
A05-207	8.1	0.25	176	112	<0.5	9	0.03	<1	3	119	40	3.65	0.18	0.01	25	6	0.01	5	757	196	27	<1	<10	11	<0.01	10	<10	1	176	
A05-208	6.1	0.30	164	110	<0.5	<5	0.05	<1	3	103	14	3.23	0.18	0.02	23	2	0.01	4	738	118	23	<1	<10	7	<0.01	10	<10	2	66	
A05-209	7.4	0.26	241	94	<0.5	<5	0.04	<1	4	106	30	5.10	0.15	0.01	29	5	<0.01	5	1160	911	38	<1	<10	6	<0.01	12	11	2	720	

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Assayers Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Pinnacle Mines
Attention: Alex Walus
Project: Surprise Creek
Sample: sils

Report No : 5V0732 LJ
Date : Aug-30-05

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
SS-1	<0.2	1.42	27	59	<0.5	<5	0.21	<1	18	53	44	3.98	0.03	1.02	1057	<2	0.01	93	903	33	<5	3	<10	25	<0.01	32	<10	6	181	3
SS-2	<0.2	0.89	45	100	<0.5	<5	0.18	<1	19	38	48	4.02	0.03	0.66	1056	4	<0.01	105	829	14	8	3	<10	57	<0.01	27	<10	5	203	3
SS-3	<0.2	0.96	77	51	<0.5	<5	0.44	<1	13	21	45	4.42	0.04	0.70	1067	3	0.01	45	1200	25	<5	2	<10	34	<0.01	27	<10	8	361	3
SS-4	<0.2	1.16	31	120	<0.5	<5	0.51	<1	19	11	42	4.95	0.05	0.72	1406	3	0.01	24	1370	29	<5	4	<10	27	0.03	50	<10	10	267	4
SS-5	<0.2	0.88	33	123	<0.5	<5	3.54	<1	14	11	31	3.90	0.05	0.70	1181	<2	0.01	19	1259	28	<5	3	<10	130	0.03	38	<10	9	192	5
SS-6	0.3	0.50	42	121	<0.5	<5	2.14	<1	11	4	21	3.22	0.08	0.32	1606	2	0.01	4	1212	49	<5	2	<10	53	0.02	19	<10	7	313	2
SS-7	<0.2	0.80	34	144	<0.5	<5	0.49	<1	17	11	27	4.29	0.05	0.70	1004	<2	0.01	16	1308	42	<5	3	<10	20	0.06	46	<10	8	207	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Assayers Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Pinnacle Mines
Attention: Alex Walus
Project: Surprise Creek
Sample: silt

Report No : **5V0914 LJ**
Date : Nov-08-05

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
S-10	0.4	0.76	130	181	<0.5	12	0.71	<1	10	27	46	4.41	0.12	0.49	1078	4	0.01	30	1342	34	<5	2	<10	66	<0.01	27	<10	10	473	

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

APPENDIX IV

MINERAL CLAIM EXPLORATION STATEMENTS

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Event# 4047534

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Mineral Claim Exploration and Development Work/Expiry Date Change

Recorder: ANDREW WILLIAM BOWERING (144743)
Submitter: ANDREW WILLIAM BOWERING (144743)
Recorded: 2005/SEP/07
Effective: 2005/SEP/07
D/E Date: 2005/SEP/07

Work Start Date: 2005/AUG/01
Work Stop Date: 2005/SEP/05
Total Value of Work: $ 50100.00
Mine Permit No: Mx-1-643

Work Type: Technical Work
Technical Items: Geochemical

Summary of the work value:

Tenure #	Claim Name/Property	Issue Date	Good To Date	New Good To Date	# of Days For-ward	Area in Ha
396834	TRAFALGAR 1	2002/SEP/20	2005/SEP/20	2006/SEP/20	365	500.00
396835	TRAFALGAR 2	2002/SEP/20	2005/SEP/20	2006/SEP/20	365	500.00
396836	TRAFALGAR 3	2002/SEP/20	2005/SEP/20	2006/SEP/20	365	500.00
396837	TRAFALGAR 4	2002/SEP/20	2005/SEP/20	2006/SEP/20	365	500.00
396838	EMMA 3	2002/SEP/20	2005/SEP/20	2006/SEP/20	365	500.00
396839	EMMA 4	2002/SEP/20	2005/SEP/20	2006/SEP/20	365	500.00
396840	EMMA 5	2002/SEP/20	2005/SEP/20	2006/SEP/20	365	500.00
396841	EMMA 6	2002/SEP/20	2005/SEP/20	2006/SEP/20	365	500.00
396842	EMMA 1	2002/SEP/20	2005/SEP/20	2006/SEP/20	365	500.00
396843	EMMA 2	2002/SEP/20	2005/SEP/20	2006/SEP/20	365	500.00
396844	TRAFALGAR 5	2002/SEP/20	2005/SEP/20	2006/SEP/20	365	500.00
396845	TRAFALGAR 6	2002/SEP/20	2005/SEP/20	2006/SEP/20	365	500.00

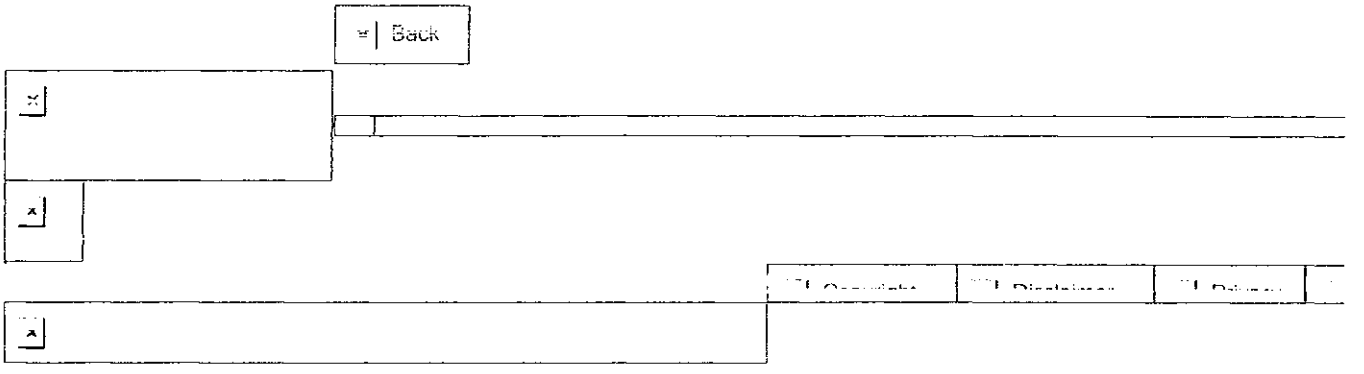
396846	FRANCES 1	2002/SEP/20	2005/SEP/20	2006/SEP/20	365	500.00
396847	FRANCES 2	2002/SEP/20	2005/SEP/20	2006/SEP/20	365	500.00
396848	FRANCES 3	2002/SEP/20	2005/SEP/20	2006/SEP/20	365	500.00
396849	FRANCES 4	2002/SEP/20	2005/SEP/20	2006/SEP/20	365	500.00
405227	PIN3	2003/SEP/09	2005/SEP/09	2006/SEP/09	365	500.00
405233	PIN 4	2003/SEP/09	2005/SEP/09	2006/SEP/09	365	500.00
405238	PIN 1	2003/SEP/09	2005/SEP/09	2006/SEP/09	365	500.00
405239	PIN 2	2003/SEP/09	2005/SEP/09	2006/SEP/09	365	500.00
405241	PIN 6	2003/SEP/09	2005/SEP/09	2006/SEP/09	365	500.00
405242	PIN 5	2003/SEP/09	2005/SEP/09	2006/SEP/09	365	500.00

Total required work value: $ 44000.00

PAC name: PINNACLE
Debited PAC amount: $ 0.00
Credited PAC amount: $ 6100.00

Total Submission Fees: $ 4400.00

Total to Pay: $ 4400.00



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Mineral Claim Exploration and Development Work/Expiry Date Change

Recorder: ANDREW WILLIAM BOWERING (144743)
Submitter: ANDREW WILLIAM BOWERING (144743
Recorded: 2005/SEP/13
Effective: 2005/SEP/13
D/E Date: 2005/SEP/13

Event Number: 4048114

Work Start Date: 2005/AUG/25
Work Stop Date: 2005/SEP/12
Total Value of Work: $ 4300.0
Mine Permit No: Mx-1-643

Work Type: Technical Work
Technical Items: Geochemical

Summary of the work value:

Tenure #	Claim Name/Property	Issue Date	Good To Date	New Good To Date	# of Days For-ward	Area in Ha
405595	EL DORADO 1	2003/SEP/26	2005/SEP/26	2006/SEP/26	365	500.00
405596	EL DORADO 2	2003/SEP/26	2005/SEP/26	2006/SEP/26	365	500.00

Total required work value: $ 4000.00

PAC name:	pinnacle
Debited PAC amount:	$ 0.00
Credited PAC amount:	$ 300.00
Total Submission Fees:	$ 400.00
Total Paid:	$ 400.00

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Mineral Claim Exploration and Development Work/Expiry Date Change

Recorder: Pinnacle Mines Ltd. (201577) **Submitter:** Pinnacle Mines Ltd. (2(
Recorded: 2005/NOV/23 **Effective:** 2005/NOV/23
D/E Date: 2005/NOV/23

Event Number: 4056049

Work Start Date: 2005/SEP/09
Work Stop Date: 2005/SEP/22

Total Value of Work: $ 12370.00
Mine Permit No: Mx-1-643

Work Type: Technical and Physical Work
Physical Items: Supply costs, Transportation / travel expenses
Technical Items: Geochemical

Summary of the work value:

Tenure #	Claim Name/Property	Issue Date	Good To Date	New Good To Date	# of Days For-ward	Area in Ha	W Va D
396844	TRAFALGAR 5	2002/SEP/20	2006/SEP/20	2006/SEP/20	0	500.00	
396848	FRANCES 3	2002/SEP/20	2006/SEP/20	2006/SEP/20	0	500.00	
405227	PIN3	2003/SEP/09	2006/SEP/09	2006/SEP/09	0	500.00	
405233	PIN 4	2003/SEP/09	2006/SEP/09	2006/SEP/09	0	500.00	
405239	PIN 2	2003/SEP/09	2006/SEP/09	2006/SEP/09	0	500.00	
519017	ATAMAN5	2005/AUG/13	2006/AUG/13	2006/AUG/13	0	377.95	
519018	ATAMAN6	2005/AUG/13	2006/AUG/13	2006/AUG/13	0	378.07	
519020	ATAMAN8	2005/AUG/13	2006/AUG/13	2006/AUG/13	0	432.35	
519251		2005/AUG/23	2006/AUG/23	2006/AUG/23	0	378.33	
519010	ATAMAN3	2005/AUG/13	2006/AUG/13	2006/AUG/13	0	431.67	
519009	ATAMAN2	2005/AUG/13	2006/AUG/13	2006/AUG/13	0	431.54	
519008	ATAMAN1	2005/AUG/13	2006/AUG/13	2006/AUG/13	0	323.57	
519197	ATAMAN15	2005/AUG/20	2006/AUG/20	2007/AUG/20	365	449.32	$ 17
519198		2005/AUG/20	2006/AUG/20	2007/AUG/20	365	449.22	$ 17
519199		2005/AUG/20	2006/AUG/20	2007/AUG/20	365	431.16	$ 17
519200		2005/AUG/20	2006/AUG/20	2007/AUG/20	365	431.07	$ 17
519201		2005/AUG/20	2006/AUG/20	2007/AUG/20	365	430.98	$ 17
519202		2005/AUG/20	2006/AUG/20	2007/AUG/20	365	430.80	$ 17
519203		2005/AUG/20	2006/AUG/20	2007/AUG/20	365	323.10	$ 12
519531	ATAMAN CHMIELNICKI	2005/AUG/30	2006/AUG/30	2006/AUG/30	365	215.40	$ 8

Total required work value: $ 11782.54

PAC *name:*		pinnacle
Debited PAC amount:	$	0.00
Credited PAC amount:	$	587.46
Total Submission Fees:	$	1178.25
Total Paid:	$	1178.25

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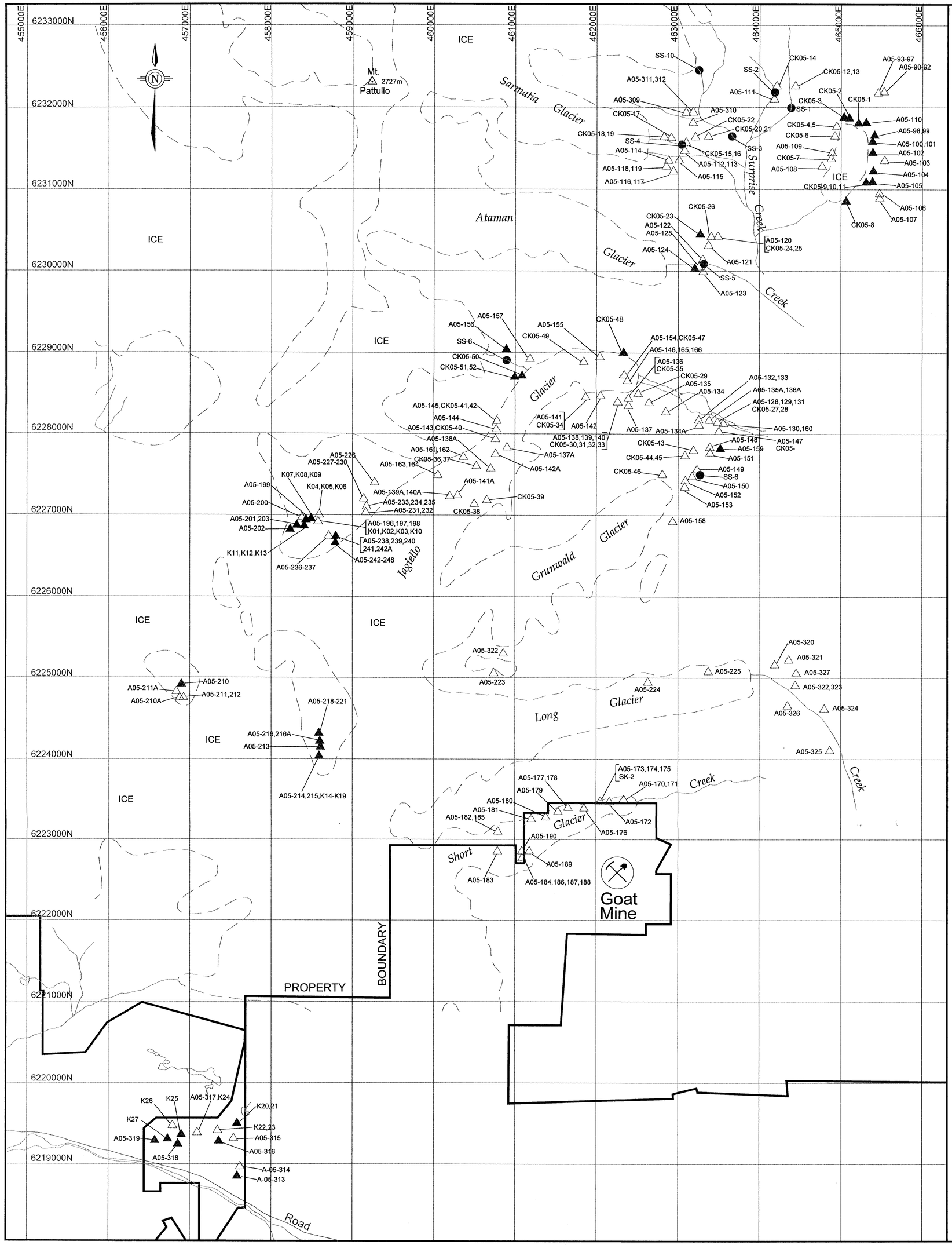

Sample Number	Sample Type	Assay Au g/tonne	Assay Ag g/tonne	Assay Cu %	Assay Mo %
A05-90	float	3.28	1.5	0.076	<0.001
A05-91	float	0.02	0.9	0.015	0.173
A05-92	float	<0.01	0.3	0.006	<0.001
A05-93	float	0.21	1.7	0.134	<0.001
A05-94	float	0.01	0.2	0.021	0.059
A05-95	float	0.05	1.1	0.106	<0.001
A05-96	float	0.03	1.9	0.068	0.009
A05-97	float	0.01	1.1	0.026	0.723
A05-98	grab	0.63	1.4	0.023	0.004
A05-99	chip 0.4m	0.18	1.9	0.101	0.004
A05-100	chip 0.1m	<0.01	0.2	0.005	<0.001
A05-101	chip 0.3m	0.04	1.7	0.009	<0.001
A05-102	grab	0.59	1.9	0.08	<0.001
A05-103	float	N/S	N/S	N/S	
A05-104	grab	0.01	0.5	0.043	<0.001
A05-105	grab	0.04	0.7	0.071	<0.001
A05-106	float	0.01	1.5	0.099	<0.001
A05-107	float	<0.01	0.2	0.008	<0.001
A05-108	float	<0.01	0.3	0.004	0.001
A05-109	float	13.8	4.9	0.042	<0.001
A05-110	chip 0.45m	0.08	0.5	0.027	0.003
A05-126	float	0.2	0.3	0.067	<0.001
A05-127	float	<0.01	0.6	0.041	<0.001
CK05-1	grab	0.49	0.8	0.093	<0.001
CK05-2	grab	0.08	2	0.029	0.002
CK05-3	grab	0.09	4.4	0.118	<0.001
CK05-4	float	0.52	14.3	0.075	<0.001
CK05-5	grab	0.1	0.8	0.036	<0.001
CK05-6	float	0.26	3.5	0.17	<0.001
CK05-7	grab	3.34	1.6	0.082	<0.001
CK05-8	grab	0.69	128	0.019	<0.001
CK05-9	grab	0.05	1.5	0.097	0.003
CK05-10	grab	0.01	0.9	0.026	0.002
CK05-11	grab	0.02	1	0.033	0.033

Sample Number	Sample Type	ICP Ag ppm	ICP Cu ppm	ICP Mo ppm	ICP Pb ppm	ICP Zn ppm
SS-1	silt	<0.2	44	<2	33	181
SS-2	silt	<0.2	48	4	14	203
SS-3	silt	<0.2	45	3	25	361
SS-4	silt	<0.2	42	3	29	267
SS-5	silt	<0.2	31	<2	28	192
SS-6	silt	0.3	21	2	49	313
SS-7	silt	<0.2	27	<2	42	207
S-10	silt	0.4	46	4	34	473

Sample Number	Sample Type	Assay Au g/tonne	Assay Ag g/tonne	Assay Cu %	Assay Pb %	Assay Zn %	Assay Hg PPB
A05-111	float	<0.01	0.2	0.001	0.01	0.02	130
A05-112	float	<0.01	1.8	0.001	0.01	0.02	155
A05-113	float	0.02	0.9	0.007	0.01	0.02	60
A05-114	float	0.01	3.7	0.002	0.01	0.01	185
A05-115	float	0.01	2.4	0.032	0.01	0.05	75
A05-116	float	0.01	1.2	0.01	0.01	0.18	410
A05-117	float	<0.01	0.6	0.001	0.01	0.01	105
A05-118	float	<0.01	0.7	0.006	0.01	0.06	70
A05-119	float	0.01	0.3	0.005	0.01	0.19	90
A05-120	float	<0.01	0.5	0.001	0.01	0.01	15
A05-121	float	0.01	2	0.007	0.01	0.04	50
A05-122	float	0.01	2.5	0.006	0.01	0.03	15
A05-123	float	<0.01	1.1	0.004	0.01	0.03	55
A05-124	grab	0.01	2.8	0.005	0.01	0.02	55
A05-125	float	0.01	1.2	0.009	0.01	0.01	<5
A05-128	float	0.03	39.7	0.02	0.65	4.55	10180
A05-129	float	0.07	27.2	0.004	0.94	1.68	29500
A05-130	float	0.02	5.4	0.007	0.07	0.33	360
A05-131	float	<0.01	0.8	0.001	0.01	0.07	355
A05-134	float	0.1	14.6	0.003	0.21	6.32	>50000
A05-134A	float	<0.01	11	0.004	0.2	0.94	2050
A05-135	float	0.01	17.9	0.009	0.01	0.05	5000
A05-135A	float	0.02	27.1	0.004	1.69	0.79	4700
A05-136	float	0.03	22.3	0.006	0.08	0.24	520
A05-136A	float	<0.01	1.8	0.004	0.03	0.35	4250
A05-137	float	0.01	49	0.01	1.38	10.7	>50000
A05-137A	float	0.02	0.8	0.003	0.01	0.12	2900
A05-138	float	0.11	9.1	0.056	0.12	8.76	5400
A05-138A	float	<0.01	6.3	0.003	0.01	0.13	1060
A05-139	float	<0.01	1.3	0.027	0.01	0.02	80
A05-139A	float	<0.01	1	0.002	0.01	0.05	330
A05-140	float	0.04	25.2	0.123	0.34	0.91	2600
A05-140A	float	<0.01	1.1	0.002	0.01	0.1	250
A05-141	float	0.07	43.9	0.009	0.92	6.21	24000
A05-141A	float	0.01	1.5	0.001	0.02	0.55	3000
A05-142	float	<0.01	65.6	0.712	0.95	1.77	14350
A05-142A	float	<0.01	2.1	0.002	0.01	0.03	470
A05-145	float	<0.01	1.8	0.003	0.04	0.51	3100
A05-146	float	<0.01	1.5	0.001	0.01	0.04	370
A05-147	float	0.04	5.6	0.089	0.01	4.87	7300
A05-148	float	0.92	22.1	0.048	0.02	0.03	90
A05-149	float	0.04	1.5	0.007	0.01	0.03	130
A05-150	float	0.01	1.1	0.11	0.01	0.01	170
A05-153	float	0.03	11	0.003	0.11	1.1	1200
A05-154	float	<0.01	24.5	0.009	0.54	0.39	6500
A05-155	float	<0.01	31	0.001	0.08	1.26	4300
A05-156	chip 1.0m	0.07	2.4	0.002	0.07	0.05	230
A05-157	float	0.01	0.2	0.002	0.02	0.03	70
A05-158	float	0.2	106	0.012	0.2	0.3	33800
A05-159	grab	0.03	1.8	0.006	0.01	0.47	640
A05-160	float	0.01	20	0.009	0.42	1.12	6800
A05-161	float	0.01	0.2	0.005	0.01	0.03	450
A05-162	float	<0.01	0.2	0.001	0.01	0.01	100
A05-163	float	0.03	1.3	0.003	0.03	0.37	1440
A05-164	float	0.02	0.4	0.001	0.01	0.02	970
A05-165	float	0.01	10.5	0.004	0.16	1.46	1960
A05-166	float	0.03	6.8	0.003	0.1	4.3	1810
A05-170	float	0.01	1.3	0.002	0.01	0.02	45
A05-171	float	0.01	1.8	0.003	0.04	0.03	70
A05-172	float	<0.01	6	0.002	0.01	0.01	940
A05-173	float	<0.01	3.5	0.002	0.02	0.02	45
A05-174	float	<0.01	7.2	0.002	0.23	0.14	440
A05-175	float	<0.01	19.9	0.006	0.09	0.01	6150
A05-176	float	<0.01	5.3	0.001	0.01	0.01	940
A05-177	float	0.01	0.2	0.002	0.01	0.06	495
A05-178	float	<0.01	7.5	0.279	0.01	0.02	1080
A05-179	float	<0.01	6.3	0.001	0.07	0.98	2250
A05-180	float	<0.01	4.5	0.002	0.03	0.19	690
A05-181	float	<0.01	1.1	0.001	0.01	0.01	750
A05-182	float	<0.01	6.4	0.001	0.06	0.99	2100
A05-183	float	<0.01	0.4	0.001	0.01	0.06	1330
A05-184	float	<0.01	15.7	0.028	0.21	0.36	11000
A05-185	float	<0.01	3.3	0.001	0.02	0.32	1545
A05-186	float	<0.01	8.1	0.026	0.03	0.01	1900
A05-187	float	<0.01	20.9	0.788	0.9	0.3	4100
A05-188	float	<0.01	7.8	0.019	0.06	0.27	1500
A05-189	float	0.01	13.4	0.004	0.1	0.61	3050
A05-190	float	<0.01	16.1	0.26	0.75	0.09	5200
A05-191	chip 1.0m	<0.01	1.3	0.001	0.01	0.01	175
A05-192	grab	<0.01	1.2	0.002	0.01	0.01	65
A05-193	float	<0.01	1	0.001	0.01	0.01	50
A05-194	float	0.02	0.6	0.008	0.01	0.02	10
A06-195	float	<0.01	0.7	0.001	0.01	0.01	<5
A07-196	float	<0.01	0.5	0.001	0.01	0.01	180
A07-197	float	<0.01	0.8	0.001	0.01	0.02	70
A07-198	float	<0.01	5.3	0.001	0.07	0.41	2850
A07-199	chip 0.5m	<0.01	0.9	0.002	0.01	0.02	2100
A07-200	float	0.01	2	0.001	0.01	0.02	630
A07-201	grab	<0.01	1.5	0.001	0.01	0.01	15
A07-202	grab	0.08	4	0.003	0.06	0.19	690
A07-203	grab	0.01	1.5	0.001	0.01	0.02	555
A05-210	grab	<0.01	0.2	0.002	0.01	0.02	1
A05-210A	float	0.04	2.4	0.002	0.01	0.01	2
A05-211	float	0.01	5.7	0.006	0.01	0.02	1
A05-211A	float	0.02	0.2	0.001	0.01	0.07	1
A05-212	float	0.01	1.9	0.004	0.01	0.01	<1
A05-213	chip 1.0m	<0.01	0.7	0.004	0.01	0.06	<1
A05-214	grab	<0.01	0.5	0.001	0.01	0.02	1
A05-216	grab	<0.01	1.6	0.005	0.03	0.02	<1
A05-216A	chip 0.6m	0.02	1.7	0.021	0.01	0.02	<1
A05-217	grab	<0.01	0.4	0.001	0.01	0.02	<1

Sample Number	Sample Type	Assay Au g/tonne	Assay Ag g/tonne	Assay Cu %	Assay Pb %	Assay Zn %	Assay Hg PPB
A05-218	chip 1.0m	<0.01	0.9	0.002	0.01	0.04	<1
A05-219	grab	<0.01	0.2	0.001	0.01	0.06	<1
A05-220	grab	0.01	1	0.004	0.01	0.05	<1
A05-221	float	<0.01	0.8	0.007	0.01	0.02	<1
A05-222	float	<0.01	0.2	0.001	0.01	0.03	<1
A05-223	float	0.01	0.4	0.018	0.02	0.05	<1
A05-224	float	<0.01	8.5	0.006	0.07	0.21	<1
A05-225	float	0.01	6	0.003	0.03	0.1	<1
A05-226	float	0.01	5.9	0.001	0.01	0.23	2
A05-227	float	0.01	7.1	0.003	0.09	1.14	1
A05-228	grab	0.01	8.7	0.001	0.01	0.01	4
A05-229	float	<0.01	1.5	0.001	0.02	0.08	<1
A05-230	float	0.01	3.1	0.001	0.01	0.05	<1
A05-231	float	0.01	7.2	0.001	0.01	0.02	4
A05-233	float	<0.01	11.6	0.002	0.11	0.24	<1
A05-234	float	<0.01	60.5	0.032	1.1	7.61	10
A05-235	float	<0.01	6	0.003	0.1	0.88	2
A05-236	float	<0.01	9.7	0.003	0.11	0.91	2
A05-237	grab	0.01	1.4	0.001	0.01	0.13	1
A05-238	grab	0.01	7.9	0.001	0.04	0.05	1
A05-239	grab	<0.01	1.8	0.001	0.01	0.19	<1
A05-240	grab	0.01	0.2	0.001	0.01	0.07	1
A05-241	grab	0.02	5.5	0.002	0.08	0.58	1
A05-242	chip 1.0m	0.02	45.9	0.004	0.34	0.21	2
A05-242A	grab	<0.01	14	0.003	0.56	1.5	5
A05-243	chip 0.7m	0.01	9.8	0.001	0.1	0.6	1
A05-244	grab	0.02	16.9	0.001	0.07	0.12	4
A05-245	grab	0.01	0.5	0.001	0.01	0.02	1
A05-246	float	0.01	1.6	0.001	0.01	0.06	<1
A05-247	grab	0.02	60.1	0.006	1.48	3.81	12
A05-248	chip 1.0m	0.01	48.6	0.005	0.76	1.91	8
A05-304	float	0.03	2.3	0.001	0.01	0.03	<1
A05-305	float	0.02	1.4	0.004	0.01	0.13	<1
A05-306	float	0.02	6	0.009	0.01	0.06	<1
A05-307	float	0.15	15.8	0.013	0.01	0.54	<1
A05-308	float	0.01	2.5	0.005	0.01	0.29	<1
A05-309	float	14.1	11.3	0.19	0.01	0.01	<1
A05-310	float	0.03	0.2	0.001	0.01	0.01	<1
A05-311	float	0.45	37.6	0.07	0.11	0.21	<1
A05-312	float	0.12	1	0.107	0.01	0.01	<1
A05-313	grab	<0.01	22.1	0.003	0.01	0.02	4
A05-314	float	<0.01	5.9	0.002	0.01	0.02	4
A05-315	grab	0.01	16.8	0.02	0.15	0.02	<1
A05-316	float	0.01	4.3	0.006	0.03	0.04	<1
A05-317	float	0.01	0.9	0.001	0.01	0.04	<1
A05-318	grab	0.01	1	0.001	0.01	0.01	1
A05-319	grab	0.01	1.8	0.001	0.01	0.02	<1
A05-320	float	0.02	1.1	0.001	0.37	0.11	4
A05-321	float	0.01	4.8	0.001	0.21	0.05	12
A05-322	float	<0.01	3.1	0.001	0.01	0.04	1
A05-323	float	0.02	0.5	0.006	0.01	0.04	<1
A05-324	float	0.01	14	0.004	0.28	1.1	3
A05-325	float	2.02	86.1	0.045	0.04	0.6	1
A05-326	float	0.02	0.2	0.001	0.01	0.02	1
A05-327	float	0.01	5.2	0.001	0.13	0.77	38
CK05-12	float	0.04	1.4	0.007	0.01	0.05	330
CK05-13	float	0.05	0.6	0.005	0.01	0.02	30
CK05-14	float	0.02	0.3	0.004	0.01	0.01	40
CK05-15	float	<0.01	2.2	0.007	0.01	0.03	115
CK05-16	float	0.01	1.8	0.001	0.01	0.01	50
CK05-17	float	<0.01	0.2	0.001	0.01	0.01	110
CK05-18	float	0.01	1.1	0.001	0.01	0.01	80
CK05-19	float	0.01	0.5	0.004	0.01	0.03	120
CK05-20	float	0.01	0.4	0.011	0.01	0.03	30
CK05-21	float	<0.01	0.3	0.003	0.01	0.01	10
CK05-22	float	0.01	0.8	0.005	0.07	0.09	435
CK05-23	grab	<0.01	0.8	0.016	0.01	0.01	20
CK05-24	float	0.01	3.6	0.005	0.07	2.46	>50000
CK05-25	float	<0.01	6.9	0.006	0.09	0.42	7900
CK05-26	float	0.01	1.5	0.001	0.01	0.01	250
CK05-27	float	0.06	106	0.004	1.19	1.6	>50000
CK05-28	float	0.08	7.8	0.081	0.18	7.6	44500
CK05-29	float	0.17	46.9	0.003	0.9	0.06	9000
CK05-30	float	0.29	17.8	0.004	0.02	0.02	<5
CK05-31	float	0.05	2.5	0.066	0.01	0.12	195
CK05-32	float	0.07	1.6	0.048	0.01	0.01	55
CK05-33	float	0.07	4.8	0.085	0.01	0.03	240
CK05-34	float	0.08	3.1	0.04	0.02	6.53	18000
CK05-35	float	0.04	2.6	0.012	0.03	1.35	2800
CK05-36	float	0.06	1.3	0.002	0.01	0.04	305
CK05-37	float	0.01	0.4	0.001	0.01	0.02	90
CK05-38	float	0.03	0.9	0.001	0.01	0.03	75
CK05-39	float	0.04	1.1	0.009	0.02	0.01	410
CK05-40	float	0.01	0.5	0.002	0.01	0.02	70
CK05-41	float	<0.01	15.4	0.004	0.1	1.31	12650
CK05-42	float	0.01	8.3	0.004	0.01	0.01	1700
CK05-43	chip 1.0m	0.02	3.5	0.007	0.01	0.02	575
CK05-44	float	0.02	4.8	0.005	0.01	0.01	220
CK05-45	float	0.05	4.1	0.004	0.02	0.09	200
CK05-46	float	0.04	1.2	0.001	0.01	0.01	420
CK05-48	grab	0.02	2.1	0.006	0.02	0.07	850
CK05-49	grab	<0.01	2	0.002	0.01	0.01	440
CK05-50	grab	0.9	25.9	0.054	0.06	0.1	65
CK05-51	grab	0.01	1.6	0.008	0.01	0.02	30
CK05-52	float	0.02	0.5	0.002	0.01	0.41	>50000
CK-B1	float	0.03	52.4	0.153	0.04	0.88	6500
CK-B2	float	0.02	8.3	0.029	0.03	2.23	8200
K01	float	<.01	1.8	0.001	0.01	0.01	90
k02	float	<0.01	0.7	0.001	0.01	0.05	290
k03	float	<0.01	0.2	0.001	0.01	0.01	30
K04	float	<0.01	1.1	0.001	0.01	0.02	990
K05	float	<0.01	1.3	0.001	0.01	0.01	1140
K06	float	<0.01	1	0.001	0.01	0.01	635
K07	grab	<0.01	3.8	0.004	0.04	0.38	2
K08	grab	<0.01	1.7	0.002	0.01	0.05	1
K09	grab	<0.01	0.7	0.002	0.01	0.03	<1
K10	float	<0.01	0.6	0.001	0.01	0.13	3
K11	grab	0.01	3.2	0.002	0.07	0.48	2
K12	grab	<0.01	0.2	0.001	0.01	0.01	<1
K13	grab	<0.01	1.3	0.001	0.01	0.02	2
K14	grab	0.02	0.2	0.001	0.01	0.02	1
K15	grab	<0.01	0.5	0.002	0.01	0.07	<1
K16	float	0.02	1.1	0.002	0.02	0.02	2
K17	grab	0.01	4.9	0.006	0.01	0.04	<1
K18	grab	0.01	1.2	0.001	0.01	0.01	2
K19	grab	<0.01	0.4	0.002	0.01	0.02	<1
K20	grab	<0.01	2.7	0.003	0.01	0.01	<1
K21	grab	0.01	4	0.007	0.01	0.01	1
K22	float	0.02	26.1	0.008	0.01	0.01	<1
K23	float	0.01	10.2	0.013	0.07	0.04	2
K24	grab	0.01	2.4	0.007	0.01	0.02	<1
K25	grab	<0.01	11.3	0.074	0.01	0.03	1
K26	float	0.01	0.2	0.002	0.01	0.09	1
K27	grab	0.02	2.8	0.004	0.01	0.06	1
SK-2	float	<0.01	6.7	0.001	0.11	0.73	1350

LEGEND

- Rock sample location (float)
- A05-189 Rock sample location (in place) Rock sample number
- SS-6 Silt sample location with number
- Ice boundary
- Property Boundary

METRES

0 250 500 750 1000

PINNACLE MINES LTD.

SURPRISE CREEK PROJECT

SKEENA MINING DIVISION, B.C.

SAMPLES LOCATION AND GEOCHEMISTRY MAP

NTS: 104A/4 SCALE: 1:25,000

DATE: November, 2005 FIGURE: 6