

CONSOLIDATED SAMARKAND RESOURCES INC.

REPORT ON THE FEN PROPERTY,  
GOLD ANALYSIS OF SOIL SAMPLES  
HOUSTON AREA, BRITISH COLUMBIA, CANADA  
OMINICA MINING DISTRICT  
LAT: 54°10'N LONG: 126°55'W

FOR

CONSOLIDATED SAMARKAND RESOURCES INC.

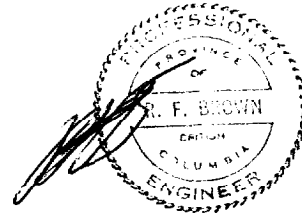
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VANCOUVER, B.C.  
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BY

ROBERT F. BROWN, P. ENG., VICE PRESIDENT EXPLORATION

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May 22, 1998



GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT

25,507

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## **Summary**

The Fen property was originally staked in 1965 in response to a regional geochemical stream sediment silver, lead and zinc anomaly in Code Creek. Since then several operators have worked on parts of the property. Work has included stream sediment geochemistry, soil geochemistry, airborne and ground EM surveys, overburden drilling, and bedrock drilling using both rotary diamond and percussion equipment. Thirty core and twenty-two percussion holes are known to have been drilled. Results show a large zinc, silver and lead soil geochemical anomaly stretching over 5 km east west and 1.3 km north south. A large coincident alteration zone has been outlined by geological mapping. Within the anomalous area a float boulder was found in a trench that returned assays of 0.6 oz/ton gold, 31 oz/ton silver, 18% zinc, 7% lead, and 0.6% copper. The eastern-most drill holes contain disseminated zinc, silver and lead over 43 meters in strongly altered pyroclastic rock units.

Exploration work in the past has focused on the western portion of the property in the belief that the geochemical anomaly represents a smear of bedrock from west to east. However detailed study at Equity Silver shows that ice direction was likely from east to west, therefore the source of the geochemical anomaly is likely to the east of where most of the work has taken place. Samarkand's work includes geological reconnaissance, grid cutting and a soil sampling program covering a 2 by 3 kilometer area southeast of the former exploration. Results of the work show that the Fen project covers a 20 square kilometer argillic alteration zone containing 6 square kilometers of silicic alteration, underlain by Hazelton Group pyroclastic volcanics. Interpretation of the soil geochemistry confirms the older lead-zinc hydromorphic anomaly, and adds both epithermal type multi-trace element anomalies and several copper-molybdenum porphyry type anomalies.

Re-analysis of selective soil sample pulps for gold indicated an extremely low tenor of gold value in areas of highly anomalous silver, lead, zinc, and epithermal element values.

## **Introduction**

Ralph Shearing, President of Consolidated Samarkand Resources Inc. ("Samarkand"), commissioned the author to write this assessment report on the interpretation of gold analysis, May 1998, of soil samples from the Fen property. The samples were in storage at Min-En Laboratories since 1996.

Work began by Samarkand on the Fen project in 1994. This report will summarize the field work of Samarkand as well as review the historical data accumulated to various degrees on the projects

## **Agreements**

A 100% interest in the Fen project was acquired from Baril Developments Ltd. ("Baril"), a British Columbia registered company, on May 1, 1995. Terms for the thirteen claims

(75 units or 2,625 hectares) property include cash payments of \$250,000 to Baril by November 1, 1999; and the issue to Baril of 600,000 Samarkand shares (50,000 shares on VSE approval and 150,000 in three 50,000 share tranches, subject to further regulatory approval, and the final 400,000 shares upon receipt of a positive feasibility study). Samarkand must incur cumulative exploration expenditures of \$2,500,000 on or before May 1, 2000. Baril retains a 3% net smelter return royalty, one-third (1%) of which may be purchased by Samarkand for \$1,000,000 anytime before commercial production is achieved. To date, 50,000 Samarkand shares has been issued to Baril, and \$30,000 in cash payments made to Baril by Samarkand. A list of active claims in the joint venture is in Table #1.

### **Description and Location of the Projects**

The Fen property is located in central British Columbia, about 33 kilometers southwest of the town of Houston and 70 kilometers south of Smithers. The geographic center of the property is at 54°10' north and 126°57' west (Figure #1) at a mean elevation of 915 meters (3,000 feet) in rolling forested hills. The Fen project originally consisted of 10 claims (91 units or 2,275 hectares), as stated in the agreement with Baril, but now consists of thirteen claims (75 units or 2,625 hectares) (Table #1, Figure #2).

### **Access, Climate and Local Resources**

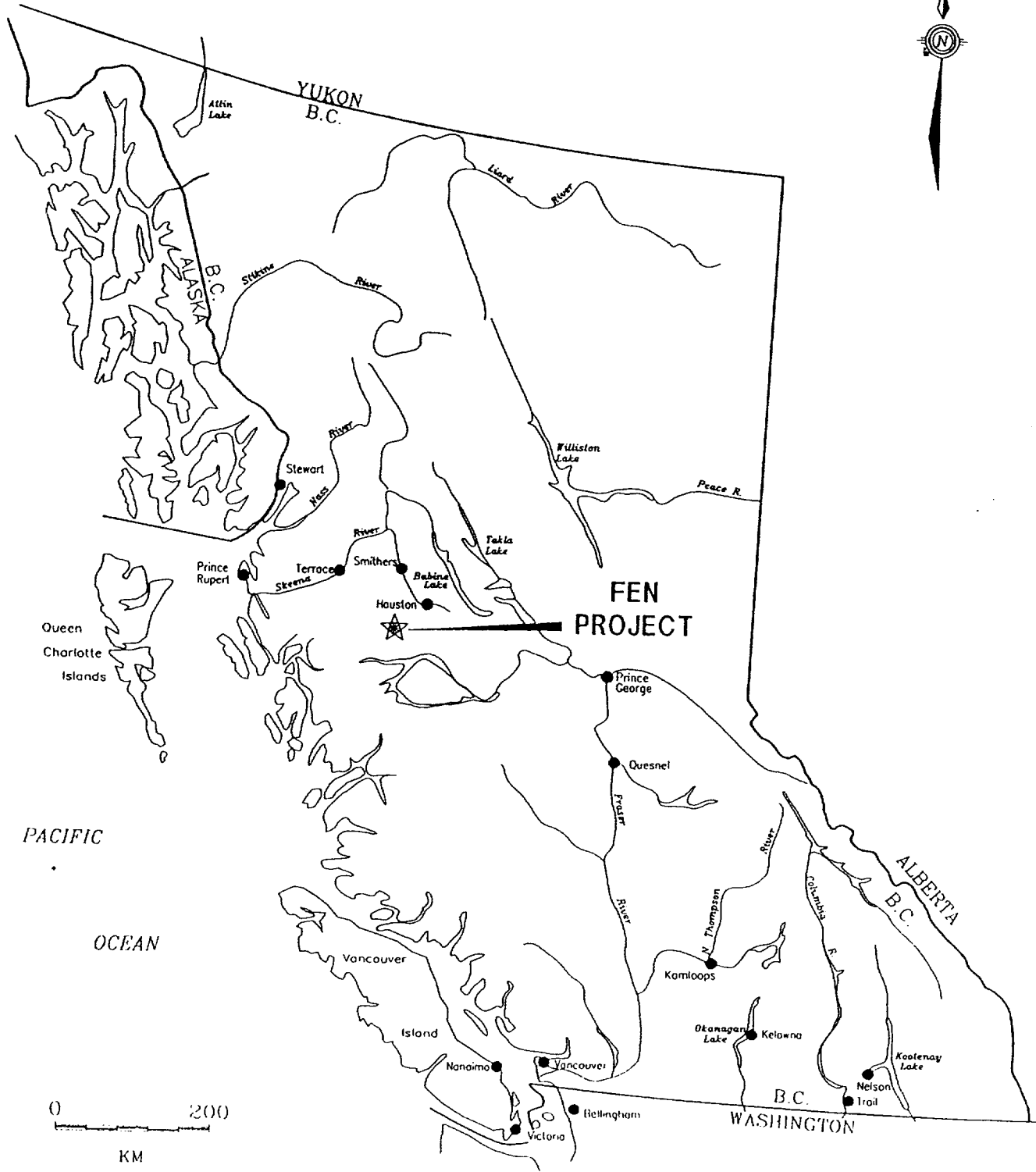
The area was once heavily wooded, but now is being extensively logged. Access is via the Morice River forest road (30 km, well maintained and driving speed up to 80 km/hour) from the town of Houston to Fenton Creek, then via the Fenton Creek gravel logging road (7 km, 4x4 truck can drive up to 30 km/hour) to Mineral Hill which is the center of the property. There is a network of old and new logging roads of variable quality to clear-cut blocks covering different parts of the property (Figure #2). The property is accessible most of the year due to logging operations, with the possible exception of bad road conditions due to spring thaw and winter freeze-up.

The climate is typical of the central interior boreal forest of British Columbia with a short summer of June to August and freezing conditions from October to March.

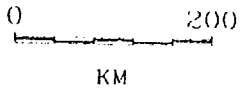
Houston is a modern town with all the basic amenities necessary to running an exploration effort in the area. Services included truck and train freight, accommodations, telecommunications, restaurants, hardware and food stores. Heavy equipment for road building and trenching, including bulldozers and excavators is available from a number of local logging contractors.

### **Geology, Tectonics and Metallogenesis of the Project**

The Fen project, located in west central British Columbia, is underlain by the Stikine terrane. This terrane includes; submarine calc-alkaline to alkaline immature volcanic island arc rocks of the Late Triassic Takla Group; subaerial to submarine calc-alkaline

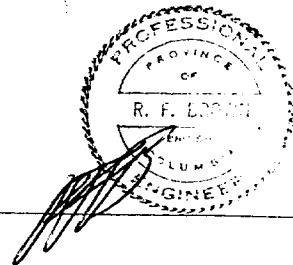


PACIFIC OCEAN

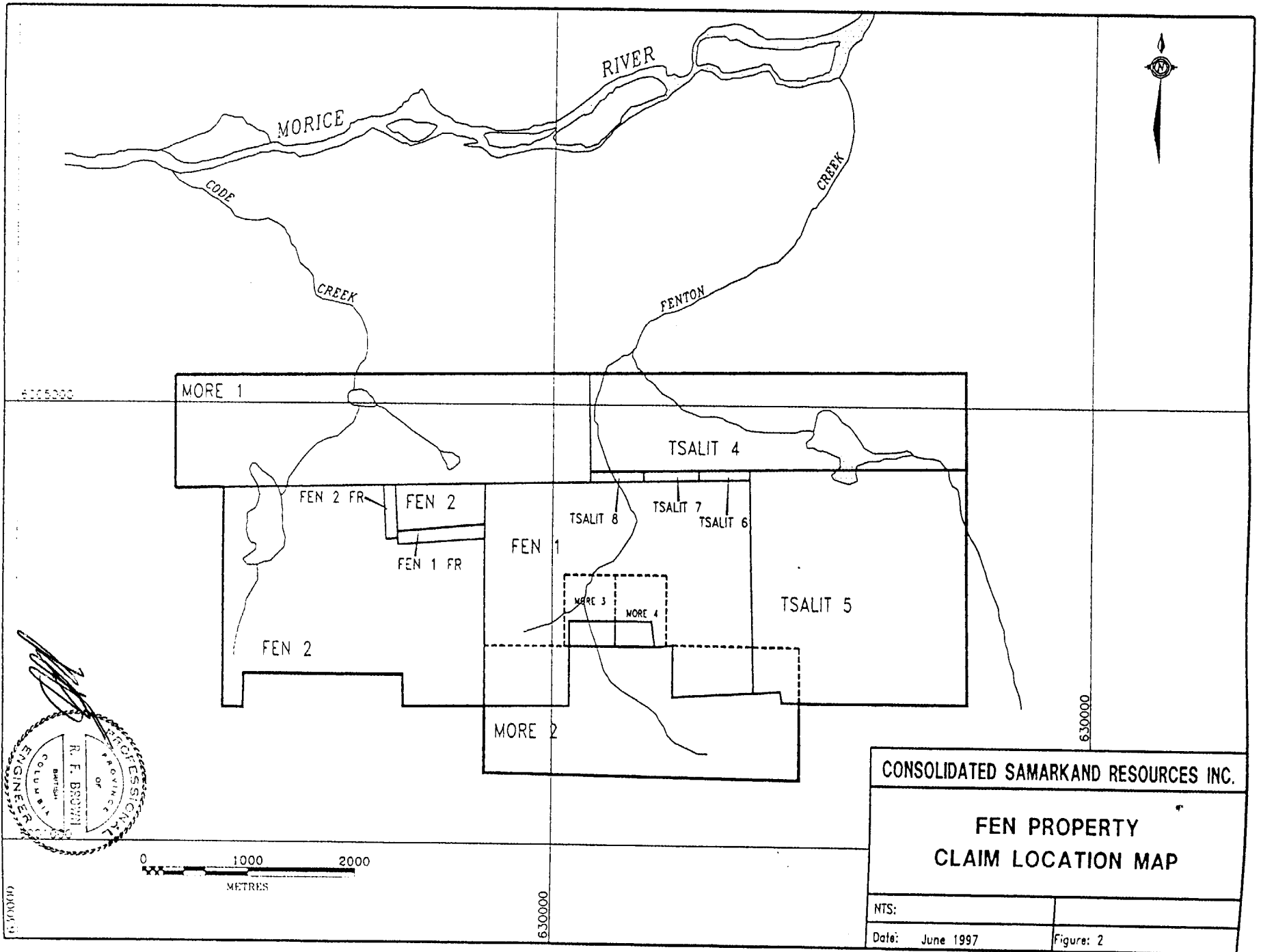


CONSOLIDATED SAMARKAND RESOURCES INC.

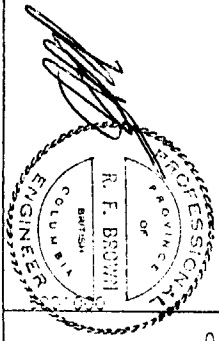
FEN PROJECT  
LOCATION MAP  
BRITISH COLUMBIA, CANADA



NTS:	
Date:	June 1997
Figure:	1



CONSOLIDATED SAMARKAND RESOURCES INC.	
<b>FEN PROPERTY CLAIM LOCATION MAP</b>	
NTS:	
Date: June 1997	Figure: 2



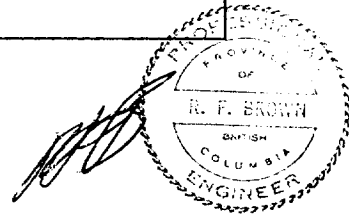
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### TABLE #1

#### LIST OF CLAIMS OPTIONED BY CONSOLIDATED SAMARKAND RESOURCES CORP.

#### FEN PROJECT, BRITISH COLUMBIA, CANADA

CLAIM NAME	TENURE #	# of UNITS	HECTARES	EXPIRY DATE
Fen 1	242780	20	500	9/25/03
Fen 1 Fr.	318278	1	25	6/19/03
Fen 2	241036	20	500	6/25/03
Fen 2 Fr.	318279	1	25	6/19/03
Tsalit 4	243216	14	350	3/21/03
Tsalit 5	243217	16	400	3/21/03
Tsalit 6	243218	1	25	3/21/03
Tsalit 7	243219	1	25	3/21/03
Tsalit 8	243220	1	25	3/21/03
More 1	356312	16	400	6/2/98
More 2	356313	12	300	6/2/98
More 3	356314	1	25	6/2/98
More 4	356315	1	25	6/2/98
		<u>75</u>	<u>2625</u>	





volcanic, volcanoclastic and sedimentary rocks of the Early to mid-Jurassic Hazelton Group; Late Jurassic and Early Cretaceous successor basin sedimentary rocks of the Bowser Lake, Skeena, and Sustut Groups; and Late Cretaceous to Tertiary calc-alkaline continental volcanic arc rocks of the Kasalka, Ootsa Lake and Goosley Lake Groups. The younger volcanic rocks occur sporadically throughout the area, mainly in down dropped fault blocks and grabens. Plutonic rocks of Jurassic, Cretaceous and Tertiary age are known and form distinct intrusive belts or provinces. Mineral deposits include mesothermal and epithermal precious metal veins, porphyry copper and molybdenum deposits, and stratabound massive sulphide deposits (MacIntyre et al., 1987).

The Fen property is located 45 kilometers west of the Equity Silver Mine, a past producer of over 40 million tons of 0.89 g/t gold, 95 g/t silver, 0.33% copper, and 0.085% antimony; and 15 kilometers northwest of the Silver Queen mine, an gold-silver epithermal/mesothermal vein system.

### **Project History, Geology, Alteration and Mineralization**

The exploration history of the Fen property is compiled as follows. The key references for this compilation include Church (1972), Dawson (1985) and Ronning (1995).

In 1965 the property was discovered as a result of a regional stream sediment-sampling program. Soil sampling carried out by Julian Mining Company was performed over the entire property. A silver-lead-zinc geochemical anomaly was revealed and 20 claims were staked.

In 1966 the property came under the control of Anaconda American Brass Ltd. and from 1966-1971 an extensive program of exploration was carried out including geological mapping, magnetometer and induced polarization surveys, geochemical soil sampling, trenching and diamond drilling. Trenching southeast of Mineral Hill unearthed massive sulfide boulders with grades of 0.6oz/ton gold, 31oz/ton silver, and 25% lead and zinc combined. The source of these boulders has been a major impetus in the exploration of the Fen project.

In 1972 Helicon Explorations Ltd. picked up where Anaconda left off with more induced polarization work and geochemical surveys. Helicon bored 25 drill holes totaling 3,350 meters. Most of the drilling was carried out in the eastern part of the current claim block. In 1973 this company carried out further drilling and trenching.

In 1975 Sullivan and Rogers acquired the Red claim (part of the current property) for Vital Pacific Resources. In 1976 this company conducted electromagnetic, induced polarization and magnetometer surveys as well as drilling two core holes on this property. In 1976 Vital Pacific staked the Jay claim (part of the current property) and carried out geochemical soil sampling as well as an induced polarization survey. In 1977-1978 Vital Pacific optioned its property to Mattagami Lake Exploration Ltd. and three diamond drill holes were bored on the Jay claim.

In 1979 Mattagami optioned the Code-Fen claims from Anaconda. During 1979-1981 Vital Mines Ltd. and Mattagami Lake Exploration carried out extensive detailed geophysical work including induced polarization, Crone-Shootback EM, Radem and EM 16R ground surveys, an airborne magnetic and electromagnetic survey as well as a 1,691 meter diamond drilling program. In 1983 Mattagami terminated its agreement and a new option agreement was reached between Vital, Anaconda and Cominco Ltd.

In 1984 Cominco carried out induced polarization, magnetic and electromagnetic surveys and did 1,411 meters of percussion drilling in 22 holes. Cominco failed to find any Equity-type mineralization and concluded that the overburden layer anomalous in Pb, Zn and Ag may have originated to the eastern segment of the property where a disseminated sulfide zone grading 22 g/t Ag over a thickness of 40 m was intersected by drilling. Cominco dropped its option in early 1985.

During the 1985 field season Vital performed soil sampling, magnetometer and VLF electromagnetic surveys on three separate grids and bored six diamond drill holes aggregating 824 meters.

In 1986-1994 Baril Developments Ltd. the present owner of the Fen property, resumed the exploration activity on this property. Geochemical (including: heavy minerals geochemistry, soil, silt sediment, float boulder and rock from outcrop) and geophysical (mainly VLF-EM survey) survey were undertaken.

Samarkand conducted a geological reconnaissance program (Cheng, 1996) which consisted of data compilation, and field geological reconnaissance investigation of an 80km<sup>2</sup> (6 by 14 kilometer) strip of sloping terrain lying just south of the Morice River. The work clarified the lithological units, and the alteration zoning at the Fen project extending the prospective area southeast to Silicic and Black Quartz Hills..

In 1996, Samarkand completed a 61 kilometer line cutting program, over a 2 by 3 kilometer grid centered over the central silicic alteration zone between Mineral Hill and Fenton Creek, and the collection of 3,254 soil samples by hand auger of the "C" horizon. The geochemical data was processed (Zastavnikovich, 1997) and it identifies highly anomalous geochemical values in silver, lead, zinc, copper, arsenic and barite north of the Silicic and Black Quartz Hills area for further investigation.

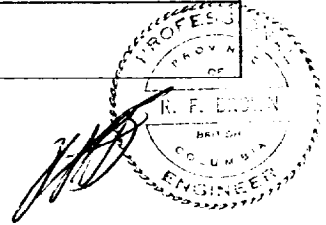
The most comprehensive geological map is by Church (1972). According to Church (1972), "the bedded units are mainly volcanic comprising rocks thought to be part of the Hazelton assemblage, and cover rocks equivalent to the Tip Top Hill, Buck Creek, and younger Tertiary formations (Church later named it as Fenton Creek Formation). Igneous intrusions consist of a granite stock, a small gabbroic intrusion, and an assortment of dykes". The detailed descriptions about these rock units are given in Table #2. Aided by many kilometers of new logging roads, and therefore better exposure of and access to outcrops, Samarkand's geological mapping (Cheng, 1996) concluded that Mineral, Argillic, Black Quartz and Silicic Hills are all underlain by Hazelton Group pyroclastics of andesitic to rhyolitic composition, with the main differences being in the

**Table #2**

**Lithological Units of Fen Property and its Peripheral Area**

<b>Bedded Rocks</b>	
<b>Tertiary</b>	<b>Fenton Creek volcanic rocks</b> age? rhyolite and trachyte breccia and glassy lava
	<b>Buck Creek volcanic rocks</b> 48.2±1.6 Ma mainly fresh brown aphanitic andesite
<b>Upper Cretaceous</b>	<b>Tip Top Hill volcanic rocks</b> 75.5 to 77.1 Ma dacitic pyroclastic rocks and lavas
	<b>Sedimentary rocks</b> age? mainly sandstone, locally rust-colored
<b>Lower or Middle Mesozoic</b>	<b>Hazelton Group</b> age? mainly maroon and brown andesitic and dacitic pyroclastic rocks and epidote-bearing mottled grey- greenish andesite and basalt and minor rhyolite
<b>Igneous Intrusions</b>	
<b>Tertiary</b>	<b>Owen Hill granite</b> medium grained leucocratic granite
<b>Mesozoic</b>	<b>small gabbro stock</b> medium grained gabbro

After B. N. Church (1972) and Church and Barakso (1990)



type and intensity of alteration. Cheng (1996) proposed that the Fen property and its peripheral area belong to terrestrial explosive and extrusive volcanic rocks and divide them, from oldest to youngest, into one pyroclastic unit (Hazelton Group), one andesitic lava unit (Tip Top Hill) and one intrusive unit (Owen Hill granite). All of them are pre-mineralization.

The Fen property and its peripheral area is characterized by a reticulate pattern of small valleys and draws which evidently mark a system of important fractures (Church, 1972). The reticulate blocks are bounded by two sets of lineaments: (i) NW 340° and (ii) NE 050°. The exact positions of these lineaments are redrawn according to the results of the 1980 airborne geophysical survey (Sutherland, 1980).

In addition, the airborne survey indicates the existence of west-north-west lineaments, striking about WNW 290° (Sutherland, 1980). The most recent VLF-EM geophysical survey also defined several VLF anomalies trending WNW which are thought to be the response of through-going structures (Ronning, 1995).

Cheng (1996) concluded that two sets of lineaments mapped by Church (1972) are a conjugate structure which is quite consistent with the conjugated joints developed in this area. Of them, the NW structure is relative more compressive and the NE structure is relatively more tensive. The structure trending WNW is probably younger than this set of conjugate fractures. Similar to the NE relative tensive structure zone, the WNW structure seems quite tensive too. The Morice River seems to have developed its course along these two relatively tensive structure zones.

Alteration mapping (Ronning, 1995 and Cheng, 1996) shows that (i) an elliptical argillic alteration halo (about 20 km<sup>2</sup>) covers most of the currently claimed property and is surrounded by propylitically or unaltered andesite and andesitic tuff/breccia; (ii) a smaller silicic alteration halo (around Silicic Hill and Black Quartz Hill and about 6 km<sup>2</sup>) can be delineated within the argillic alteration halo. Another interesting thing about the alteration is that the outcrops along the Tsalitpn Lake fracture zone are more intensively altered.

One of the most encouraging features on the Fen property is a Ag-Zn-Pb soil anomaly around Mineral Hill area. The failure to find a satisfactory source for much of this anomaly by drilling raises the question of which direction the last episode of glaciation moved. Church (1972) and Rutter (1979) thought the last pulse of regional Pleistocene glaciation moved easterly across the area scraping the high bedrock exposures leaving a mean striation direction of 094 degrees. Church (1972) also mentions that a period of local valley glaciation which postdated the last regional ice advance affected the area westward from Owen Hill and Tsalit Mountain. Sorbara (1985) concluded that transport was from east to west based on the assumption that the anomalous overburden is derived from the mineralization encountered in diamond drill holes located at the eastern segment of the property. Interpretation of the Samarkand soil geochemical data, a 31 element

I.C.P package, without gold, has lead Zastavnickovich (1997) to conclude that ice movement was to the northwest.

Samarkand's 1996 soil sample survey confirmed the earlier soil geochemistry lead-zinc-silver anomaly south and east of Mineral Hill. This feature is a complex juxtaposition of glacially transported anomalous till, swamp anomalies of a hydromorphic nature and possible local source features. Soil profiles to bedrock, and detailed topographic and geological information are necessary for an accurate geochemical interpretation (Zastavnickovich, 1997).

The southern half of the Samarkand grid displays soil geochemistry reflecting local source features related to the topographic highs of Silicic and Black Quartz Hills. The central-north portion of the grid is represented by a thickening wedge of till, both downhill and down-ice from the above topographic features contains both detrital and hydromorphic related anomalies. The southern half of the property has copper-molybdenite soil geochemical anomalies related to both Silicic and Black Quartz Hills. As well several medium strength epithermal type silver-arsenic-antimony-barite anomalies are found across the southern half, including one associated with Silicic Hill. In the central northern portion of the grid there are strong silver-lead-zinc anomalies with silver values up to 5.9ppm, oriented in a gross east-west manner for 2.5 kilometers and 300-400 meters north south.

Exploration work in the past has focused on the western portion of the property in the belief that the geochemical anomaly represents a smear of bedrock from west to east. However a detailed study at Equity Silver shows that ice direction was likely from east to west, therefore the source of the geochemical anomaly is likely to the east of where most of the work has taken place.

Drilling to date has not explained all the soil anomalies. The eastern most drill holes, drilled by Matagami Lake Mines in 1980 and 1981, intersected a disseminated zinc, silver and lead sulfide zone which gave intersects of up to 27 ppm of silver, 0.68% zinc and 0.49% lead over 40 meters. This type of disseminated sulfides and sulfide veinlets could be the source for the soil anomaly but can not be explained as the source of the high grade massive sulfide boulders. In six of the 1984 percussion drill holes located at the western segment of the property, values of Cu, Pb, Zn and Ag were found to be background despite the fact that most of the holes exhibit moderate to intense clay-sericitic alteration (Sorbara, 1984). However, overburden sampling showed the presence of a relatively thin layer of residual overburden with low geochemical values, overlain by a thicker transported overburden layer that is anomalous in lead, zinc and silver (up to 404ppm, 1060ppm and 2.5ppm, respectively).

Matagami Lake Mines 1980 and 1981 drilling of a stringer Pb-Zn-Ag zone east of Mineral Hill (Helsen, 1981) and Pb-Zn-Ag +/- Au anomalous road side rock sampling and soil sampling (Zastavnickovich, 1993) are coincident with the northwestern strong soil anomaly by Samarkand (Zastavnickovich, 1997). Strong coincident and offset multi-element anomalies further to the east have not been drill tested, defined by detailed soil

sampling, defined by soil profiling, tested by geophysics or adequately geologically mapped.

### **Soil Geochemistry**

#### **Sampling Method and Analysis**

A total of 224 C-horizon soil sample pulps stored at Min-En Laboratories, Vancouver, B.C. were re-assayed for gold. They are a portion of 2,354 samples collected in Kraft paper bags on the 2 by 3 kilometre Fen grid at 25 metre intervals, on lines cut 100 metres apart, by Hewitt Co. and Associates using a "tulip" type soil auger, at average depth of 0.5 metre (Figure #3). The top of the C horizon was selected to provide homogeneous sampling material throughout the grid area, in contrast to the more accessible, shallower trace element enriched A and B horizons, but which are almost absent from the hilly and swampy areas, respectively.

The soil samples were dried and sieved to -80 mesh fraction at Min-En Laboratories preparation facilities in Smithers, and analysed for gold at their lab in Vancouver using standard analytical methods (Appendix #2).

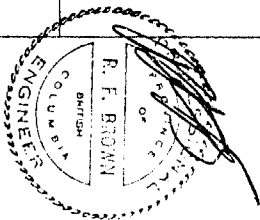
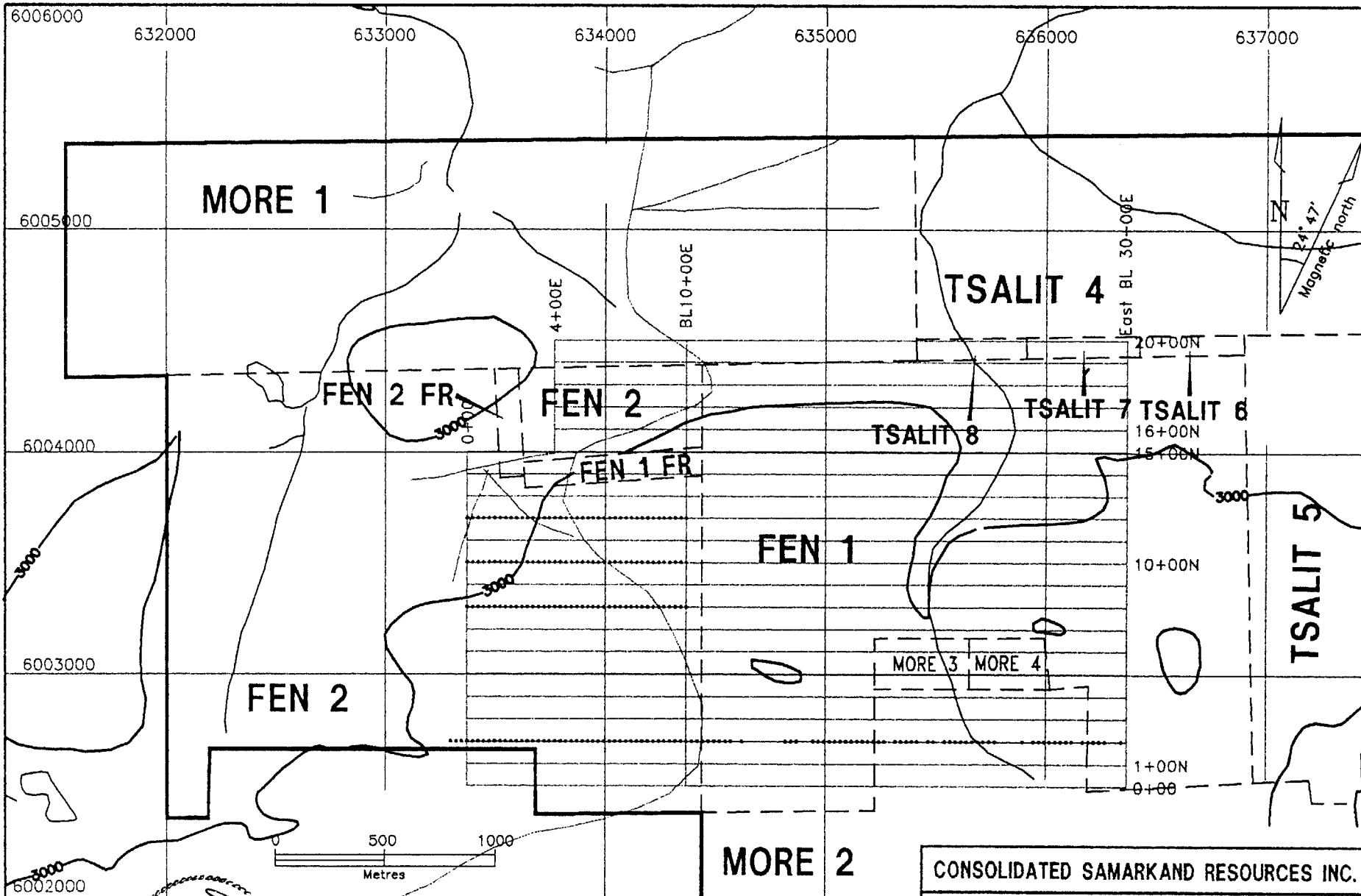
#### **Data Processing and Presentation**




The results of the gold analysis are in Appendix #1, and the results have been plotted on Figure #4. The gold values were taken from areas where previous analysis has indicated significant silver, lead, zinc, barite and associated epithermal element anomalies (Zastavnickovich, 1997).

#### **Discussion**

The gold values for the selected samples on Line 2 North are singularly unimpressive and for the most part less than 5ppb gold, there is no coincidence with anomalous silver, lead, zinc, barite and other epithermal element anomalies as seen in the original soil sample analysis (Zastavnickovich, 1997). The results in gold for the western portion of Lines 8, 10 and 12 North show several one station higher gold values (to 35ppb gold) within results which for the major part are less than 5ppb gold. The western portions of Lines 8, 10 & 12 North all have significant anomalous silver, lead, zinc, barite and other epithermal element anomalies as seen in the original soil sample analysis (Zastavnickovich, 1997).

The gold values from the limited re-analysis of soil samples up ice from the high grade gold-silver-lead-zinc-copper trench boulder found at the base of Mineral Hill, hill to the immediate north west of the soil grid, give no indication from their low tenor as to the presence of a significant zone of mineralization.



-  Claim Boundary
-  Internal Claim Boundary
-  Soil Sample Location

CONSOLIDATED SAMARKAND RESOURCES INC.		
Fen Au-Ag-Zn-Pb Property, B.C.		
<b>CLAIM and SAMPLE LOCATIONS</b>		
DRAWN BY	Date: April 1998	Figure: 3

## Conclusions

The selective gold analysis indicates a very low tenor of values for gold (1-5ppb) in the C-horizon soils. The samples re-analyzed for gold lie in areas of significant silver, lead, zinc and epithermal element anomalies and yet only show sporadic weak spikes (maximum 35ppb) in absolute values above the background.

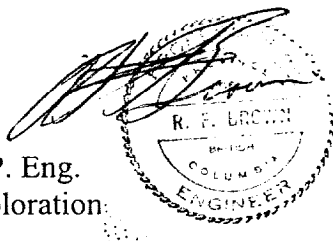
## Recommendations

Further re-sampling of the soil sample pulps for gold need not proceed in the immediate future as the tenor of gold value is extremely low and shows only weak coincidence with the highly anomalous silver, lead, zinc and barite results.

Since recent work has pointed to a east to west glacial direction the Samarkand grid lines should be detail geologically mapped and reviewed for topographic features relevant to the recently completed soil geochemical studies. With the geological and topographic information the soil geochemistry should be re-reviewed and recommendations can then be made as to further detailed soil sampling, soil profiling, and possible trenching of favourable geochemical and geological targets. Coincidentally a geophysical survey should be contemplated which will be useful in outlining the strong clay alteration, and detecting the limited disseminated and veinlet pyrite and base metals as noted in the Matagami Lake Mines drilling, and which can locate massive sulphide bodies which may be the source of the massive sulphide boulders found in trenching in the Mineral Hill area.

## **Consolidated Samarkand Resources Inc.**

Robert F. Brown, P. Eng.  
Vice President Exploration





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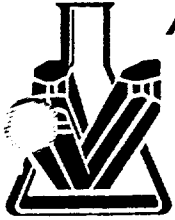
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Visser, S., 1993; VLF-EM survey on the Fen 1-4 & Tsalit 4-8 claims; unpublished report for Baril Developments Ltd.

Zastavnikovish, S. and Bzdel, L.M., 1991; Geochemical and geophysical assessment report on the Fen 1-4 & Tsalit 4-8 mineral claims, Omineca M. D. 93L/2W; unpublished report for Baril Developments Ltd.

APPENDIX #1



**MINERAL  
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SPECIALISTS IN MINERAL ENVIRONMENTS  
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

**VANCOUVER OFFICE:**  
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FAX (604) 327-3423

**SMITHERS LAB:**  
3176 TATLOW ROAD  
SMITHERS, BC, CANADA V0J 2N0  
TELEPHONE (250) 847-3004  
FAX (250) 847-3005

*Quality Assaying for over 25 Years*

**Geochemical Analysis Certificate**

6S-0053-LG1

Company: **Consolidated Samarkand Res.Inc.**  
Project:  
Attn: **Robert Brown**

Apr-28-98

We hereby certify the following Geochemical Analysis of 1 SILT sample submitted Apr-20-98 by CONSOLIDATED SAMARKAND.

Sample Name	Au-fire PPB
L 2+00N 20+25E	2

Certified by

Min-En Laboratories



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*Quality Assaying for over 25 Years*

## Geochemical Analysis Certificate

6S-0053-SG1


Company: **Consolidated Samarkand Res.Inc.**  
Project:  
Attn: **Robert Brown**

Apr-28-98

We hereby certify the following Geochemical Analysis of 24 SOIL samples submitted Apr-20-98 by CONSOLIDATED SAMARKAND.

Sample Name	Au-fire PPB
L 2+OON 0+75W	1
L 2+OON 0+50W	1
L 2+OON 0+25W	2
L 2+OON 0+00	1
L 2+OON 0+25E	1
L 2+OON 0+50E	1
L 2+OON 0+75E	1
L 2+OON 1+00E	5
L 2+OON 1+25E	2
L 2+OON 1+50E	7
L 2+OON 1+75E	1
L 2+OON 2+00E	1
L 2+OON 2+25E	2
L 2+OON 2+50E	1
L 2+OON 2+75E	2
L 2+OON 3+00E	1
L 2+OON 3+25E	1
L 2+OON 3+50E	2
L 2+OON 3+75E	1
L 2+OON 4+00E	1
L 2+OON 4+25E	1
L 2+OON 4+50E	1
L 2+OON 4+75E	1
L 2+OON 5+00E	1

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## Geochemical Analysis Certificate

6S-0053-SG2

Company: **Consolidated Samarkand Res.Inc.**  
Project:  
Attn: **Robert Brown**

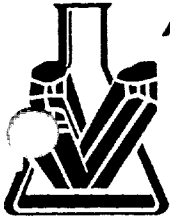
Apr-28-98

We hereby certify the following Geochemical Analysis of 24 SOIL samples submitted Apr-20-98 by CONSOLIDATED SAMARKAND.

Sample Name	Au-fire PPB
L 2+OON 5+25E	1
L 2+OON 5+50E	1
L 2+OON 5+75E	6
L 2+OON 6+00E	2
L 2+OON 6+25E	3
L 2+OON 6+50E	4
L 2+OON 6+75E	2
L 2+OON 7+00E	1
L 2+OON 7+25E	1
L 2+OON 7+50E	1
L 2+OON 7+75E	1
L 2+OON 8+00E	1
L 2+OON 8+25E	3
L 2+OON 8+50E	1
L 2+OON 8+75E	3
L 2+OON 9+00E	6
L 2+OON 9+25E	2
L 2+OON 9+50E	2
L 2+OON 9+75E	5
L 2+OON 10+00E	1
L 2+OON 10+25E	2
L 2+OON 10+50E	3
L 2+OON 10+75E	2
L 2+OON 11+00E	2

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**Geochemical Analysis Certificate**

**6S-0053-SG3**

Company: **Consolidated Samarkand Res.Inc.**  
Project:  
Attn: **Robert Brown**

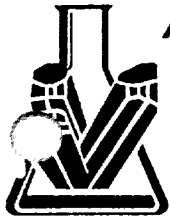
**Apr-28-98**

We hereby certify the following Geochemical Analysis of 24 SOIL samples submitted Apr-20-98 by CONSOLIDATED SAMARKAND.

Sample Name	Au-fire PPB
L 2+OON 11+25E	2
L 2+OON 11+50E	1
L 2+OON 11+75E	2
L 2+OON 12+00E	4
L 2+OON 12+50E	3
L 2+OON 14+50E	1
L 2+OON 14+75E	1
L 2+OON 15+00E	3
L 2+OON 15+75E	2
L 2+OON 16+00E	2
L 2+OON 16+25E	1
L 2+OON 16+50E	3
L 2+OON 16+75E	3
L 2+OON 17+00E	6
L 2+OON 17+25E	3
L 2+OON 17+50E	4
L 2+OON 17+75E	2
L 2+OON 18+00E	1
L 2+OON 18+50E	1
L 2+OON 18+75E	1
L 2+OON 19+00E	4
L 2+OON 19+50E	3
L 2+OON 19+75E	2
L 2+OON 20+00E	2

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## Geochemical Analysis Certificate

6S-0053-SG4

Company: **Consolidated Samarkand Res.Inc.**  
Project:  
Attn: **Robert Brown**

Apr-28-98

We hereby certify the following Geochemical Analysis of 24 SOIL samples submitted Apr-20-98 by CONSOLIDATED SAMARKAND.

Sample Name	Au-fire PPB
L 2+OON 20+50E	1
L 2+OON 21+00E	1
L 2+OON 21+25E	1
L 2+OON 21+75E	2
L 2+OON 22+00E	1
L 2+OON 22+25E	1
L 2+OON 22+50E	1
L 2+OON 22+75E	5
L 2+OON 23+00E	2
L 2+OON 23+25E	1
L 2+OON 23+50E	1
L 2+OON 23+75E	1
L 2+OON 24+00E	2
L 2+OON 25+25E	1
L 2+OON 25+75E	1
L 2+OON 26+00E	1
L 2+OON 26+25E	2
L 2+OON 26+50E	2
L 2+OON 26+75E	1
L 2+OON 27+00E	3
L 2+OON 27+25E	2
L 2+OON 27+50E	1
L 2+OON 28+00E	1
L 2+OON 28+25E	9

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**Geochemical Analysis Certificate**

**6S-0053-SG5**

Company: **Consolidated Samarkand Res.Inc.**  
Project:  
Attn: **Robert Brown**

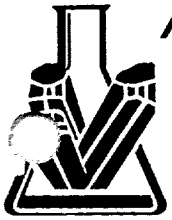
**Apr-28-98**

We hereby certify the following Geochemical Analysis of 4 SOIL samples submitted Apr-20-98 by CONSOLIDATED SAMARKAND.

<b>Sample Name</b>	<b>Au-fire PPB</b>
L 2+OON 28+50E	3
L 2+OON 28+75E	3
L 2+OON 29+00E	1
L 2+OON 29+75E	2

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SMITHERS, BC, CANADA V0J 2N0  
TELEPHONE (250) 847-3004  
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**Geochemical Analysis Certificate**

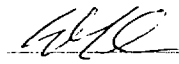
**6S-0059-SG1**

Company: **Consolidated Samarkand Res.Inc.**  
Project:  
Attn: **Robert Brown**

**Apr-28-98**

We hereby certify the following Geochemical Analysis of 24 SOIL samples submitted Apr-20-98 by CONSOLIDATED SAMARKAND.

Sample Name	Au-fire PPB
L 8+00N 0+50W	
L 8+00N 0+25W	
L 8+00N 0+00	1
L 8+00N 0+25E	3
L 8+00N 0+50E	2
L 8+00N 0+75E	1
L 8+00N 1+00E	1
L 8+00N 1+25E	1
L 8+00N 1+50E	2
L 8+00N 1+75E	1
L 8+00N 2+00E	4
L 8+00N 2+25E	1
L 8+00N 2+50E	2
L 8+00N 2+75E	2
L 8+00N 3+00E	1
L 8+00N 3+25E	1
L 8+00N 3+50E	2
L 8+00N 3+75E	4
L 8+00N 4+00E	1
L 8+00N 4+25E	1
L 8+00N 4+50E	2
L 8+00N 4+75E	1
L 8+00N 5+00E	1
L 8+00N 5+25E	3

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FAX (250) 847-3005

*Quality Assaying for over 25 Years*

## Geochemical Analysis Certificate

6S-0059-SG2

Company: **Consolidated Samarkand Res.Inc.**  
Project:  
Attn: **Robert Brown**

Apr-28-98

We *hereby certify* the following Geochemical Analysis of 24 SOIL samples submitted Apr-20-98 by CONSOLIDATED SAMARKAND.

Sample Name	Au-fire PPB
L 8+00N 5+50E	1
L 8+00N 5+75E	3
L 8+00N 6+00E	1
L 8+00N 6+25E	2
L 8+00N 6+50E	2
L 8+00N 6+75E	3
L 8+00N 7+00E	2
L 8+00N 7+25E	2
L 8+00N 7+50E	1
L 8+00N 7+75E	1
L 8+00N 8+00E	1
L 8+00N 8+25E	1
L 8+00N 8+50E	3
L 8+00N 8+75E	1
L 8+00N 9+00E	4
L 8+00N 9+25E	2
L 8+00N 9+50E	2
L 8+00N 9+75E	1
L 8+00N 10+00E	
L 8+00N 10+25E	
L 8+00N 10+75E	
L 8+00N 11+00E	
L 8+00N 11+25E	

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## Geochemical Analysis Certificate

6S-0061-SG1

Company: **Consolidated Samarkand Res.Inc**  
Project:  
Attn: **Robert Brown**

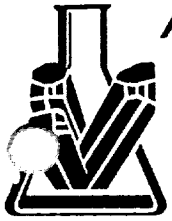
Apr-28-98

We hereby certify the following Geochemical Analysis of 24 SOIL samples submitted Apr-20-98 by CONSOLIDATED SAMARKAND.

Sample Name	Au-fire PPB
L 10+00N 0+96W	
L 10+00N 0+75W	
L 10+00N 0+50W	
L 10+00N 0+25W	
L 10+00N 0+00	3
L 10+00N 0+25E	4
L 10+00N 0+50E	12
L 10+00N 0+75E	2
L 10+00N 1+00E	2
L 10+00N 1+25E	1
L 10+00N 1+50E	2
L 10+00N 1+75E	1
L 10+00N 2+00E	1
L 10+00N 2+25E	1
L 10+00N 2+50E	2
L 10+00N 2+75E	4
L 10+00N 3+00E	2
L 10+00N 3+25E	18
L 10+00N 3+50E	14
L 10+00N 3+75E	1
L 10+00N 4+00E	1
L 10+00N 4+25E	1
L 10+00N 4+50E	1
L 10+00N 4+75E	2

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## Geochemical Analysis Certificate

6S-0061-SG2

Company: **Consolidated Samarkand Res.Inc**  
Project:  
Attn: **Robert Brown**

Apr-28-98

We hereby certify the following Geochemical Analysis of 24 SOIL samples submitted Apr-20-98 by CONSOLIDATED SAMARKAND.

Sample Name	Au-fire PPB
L 10+00N 5+00E	3
L 10+00N 5+25E	2
L 10+00N 5+50E	2
L 10+00N 5+75E	1
L 10+00N 6+00E	1
L 10+00N 6+25E	8
L 10+00N 6+50E	2
L 10+00N 6+75E	1
L 10+00N 7+00E	1
L 10+00N 7+25E	1
L 10+00N 7+50E	1
L 10+00N 7+75E	1
L 10+00N 8+00E	115
L 10+00N 8+25E	5
L 10+00N 8+50E	2
L 10+00N 8+75E	4
L 10+00N 9+00E	1
L 10+00N 9+25E	1
L 10+00N 9+50E	20
L 10+00N 9+75E	1
L 10+00N 10+00E	2
L 10+00N 10+25E	
L 10+00N 10+50E	
L 10+00N 10+75E	

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## Geochemical Analysis Certificate

6S-0063-SG1

Company: **Consolidated Samarkand Res.Inc**  
Project:  
Attn: **Robert Brown**

Apr-28-98

We hereby certify the following Geochemical Analysis of 24 SOIL samples submitted Apr-20-98 by CONSOLIDATED SAMARKAND.

Sample Name	Au-fire PPB
L12+00N 0+75W	
L12+00N 0+50W	
L12+00N 0+25W	
L12+00N 0+00	1
L12+00N 0+25E	2
L12+00N 0+50E	2
L12+00N 0+75E	1
L12+00N 1+00E	4
L12+00N 1+25E	3
L12+00N 1+50E	1
L12+00N 1+75E	2
L12+00N 2+00E	1
L12+00N 2+25E	1
L12+00N 2+50E	2
L12+00N 2+75E	2
L12+00N 3+00E	2
L12+00N 3+25E	1
L12+00N 3+50E	1
L12+00N 3+75E	4
L12+00N 4+00E	2
L12+00N 4+25E	5
L12+00N 4+50E	2
L12+00N 4+75E	2
L12+00N 5+00E	1

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## Geochemical Analysis Certificate

6S-0063-SG2

Company: **Consolidated Samarkand Res.Inc**  
Project:  
Attn: **Robert Brown**

Apr-28-98

We hereby certify the following Geochemical Analysis of 24 SOIL samples submitted Apr-20-98 by CONSOLIDATED SAMARKAND.

Sample Name	Au-fire PPB
L12+00N 5+25E	2
L12+00N 5+50E	1
L12+00N 5+75E	2
L12+00N 6+00E	3
L12+00N 6+25E	35
L12+00N 6+50E	4
L12+00N 6+75E	3
L12+00N 7+00E	1
L12+00N 7+25E	1
L12+00N 7+50E	2
L12+00N 7+75E	5
L12+00N 8+00E	1
L12+00N 8+25E	1
L12+00N 8+50E	1
L12+00N 8+75E	2
L12+00N 9+00E	3
L12+00N 9+25E	2
L12+00N 9+50E	1
L12+00N 9+75E	2
L12+00N 10+00E	3
L12+00N 10+25E	
L12+00N 10+50E	
L12+00N 10+75E	
L12+00N 11+00E	

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APPENDIX #2



Analytical Procedure - The samples were analyzed by Min-En Laboratories Ltd. of 705 West 15th St., N.Vanc, as follows:

The stream sediments were oven-dried in their original water-resistant kraft paper bags at 95°C and screened to obtain the minus 80 mesh fraction for analysis. The rock samples were crushed and pulverized in a ceramic-plated pulverizer.

A suitable weight of 5.0 or 10.0 grams is pretreated with  $\text{HNO}_3$  and  $\text{HClO}_4$  mixture.

After pretreatment the samples are digested with Aqua Regia solution, then taken up with 25%  $\text{HCl}$  to suitable volume and aliquot used for the 26 element ICP trace element analysis.

From the major remaining portion of the sample, Gold is preconcentrated by standard fire assay methods, then extracted with Methyl Iso-Butyl Ketone and analyzed by Atomic Absorption.

For Mercury analysis, 1 gram of sieved material is sintered at 90°C for 4 hours, then digested in  $\text{HNO}_3$  and  $\text{HCl}$  acids mixture, and analyzed by the Hatch and Ott flameless AA method.

APPENDIX #3

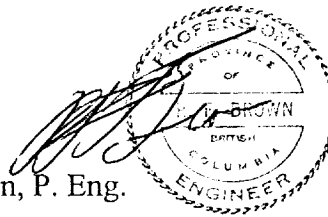
## STATEMENT OF QUALIFICATIONS

I, Robert F. Brown, P. Eng., of the city of West Vancouver, Province of British Columbia, hereby certify:

1. THAT I am a geologist residing at 3977 Westridge Ave, West Vancouver, B.C., Canada, V7V 3H6.
2. THAT I obtained a Bachelor of Science (Engineering) degree in Geology from Queens' University at Kingston, Ontario, Canada in 1975.
3. THAT I have been practicing my profession as a geologist since 1975.
4. THAT I am a registered Professional Engineer, in good standing, with the Association of Professional Engineers and Geoscientists of British Columbia.
5. THAT this report is based on the results of a thorough review of published and printed reports and maps on the Fen property and the surrounding areas.
6. THAT I am an active director and Vice President Exploration of Consolidated Samarkand Resources Inc.

Dated in West Vancouver, British Columbia, this 22<sup>nd</sup> day of May 1998.

Robert F. Brown, P. Eng.



APPENDIX #4

APPENDIX #4

STATEMENT OF EXPENDITURES

Min-En Laboratories Ltd	
199 samples from Invoice 00036789	\$1,611.90
GST	112.83
Ibex Drafting Services Invoice 98-018	
2.5hrs ACAD & 7 sq.ft. DJPL bond	132.00
GST	9.24
RFB Geological Invoice INVSKC011	500.00
GST	<u>35.00</u>
<b>TOTAL</b>	<b>\$2,400.97</b>

