Shangri-La Minerals Limited

86-605-15199
10/87

RECONNAISSANCE SURVEYS

ON

THE LIQUID SUNSHINE GROUP

OF MINERAL CLAIMS

FOR

Owner/Operator: CHELAN RESOURCES INCORPORATED

ALBERNI MINING DIVISION

NTS 92C/15W ~~AND 92F/12W~~

NORTH LATITUDE: 48° ~~54'~~ 59.8'

WEST LONGITUDE: 124° ~~58'~~ 57.1'

BY

JAMES S. FALCONER, P.Eng.
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SHANGRI-LA MINERALS LIMITED
VANCOUVER, BRITISH COLUMBIA

16 JULY 1986.

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SUMMARY

A combined geological, geophysical and geological reconnaissance of the Liquid Sunshine Project claims held by Chelan Resources Inc. was conducted by Shangri-La Minerals Limited from May 12 to June 7, 1986. The claims are situate in the Alberni Mining Division on the west coast of Vancouver Island, British Columbia.

Several gold occurrences associated with arsenopyrite and other sulphide mineralization have been located. These include areas of shearing and silicification in volcanics and/or areas of metasomatic alteration of limestone (skarn).

The geology of the property is characterized by Triassic limestone (Quatzino Formation) intruded and overlain by Jurassic Bonanza Group mafic to felsic volcanics. In many areas the limestone has undergone contact metamorphism and metasomatism resulting from the intrusion and extrusion of the volcanics. Old copper workings on the property date back to the turn of the century.

Geophysical studies have revealed the presence of a northwesterly-trending electromagnetic conductor attributable to possible mineralization. Magnetic surveys suggest areas of alteration and the possible presence of anomalous concentrations of magnetic minerals.

Soil geochemistry results show an area anomalous in copper, arsenic, silver and gold in the vicinity of the large northwest-trending electromagnetic conductor. Anomalous values in arsenic are found near several of the old copper workings.

It is recommended that a second phase of exploration be undertaken to assess the geometry and grade characteristics of target areas and to test them by diamond drilling.

Respectfully submitted at Vancouver, B.C.

James S. Falconer, P.Eng.
16 July 1986

PART A

Introduction

From May 12 to June 7, 1986, a program of permanent grid establishment, geological mapping, soil sampling, and VLF-EM and magnetometer surveys was conducted over the Liquid Sunshine project claims held by Chelan Resources Inc.

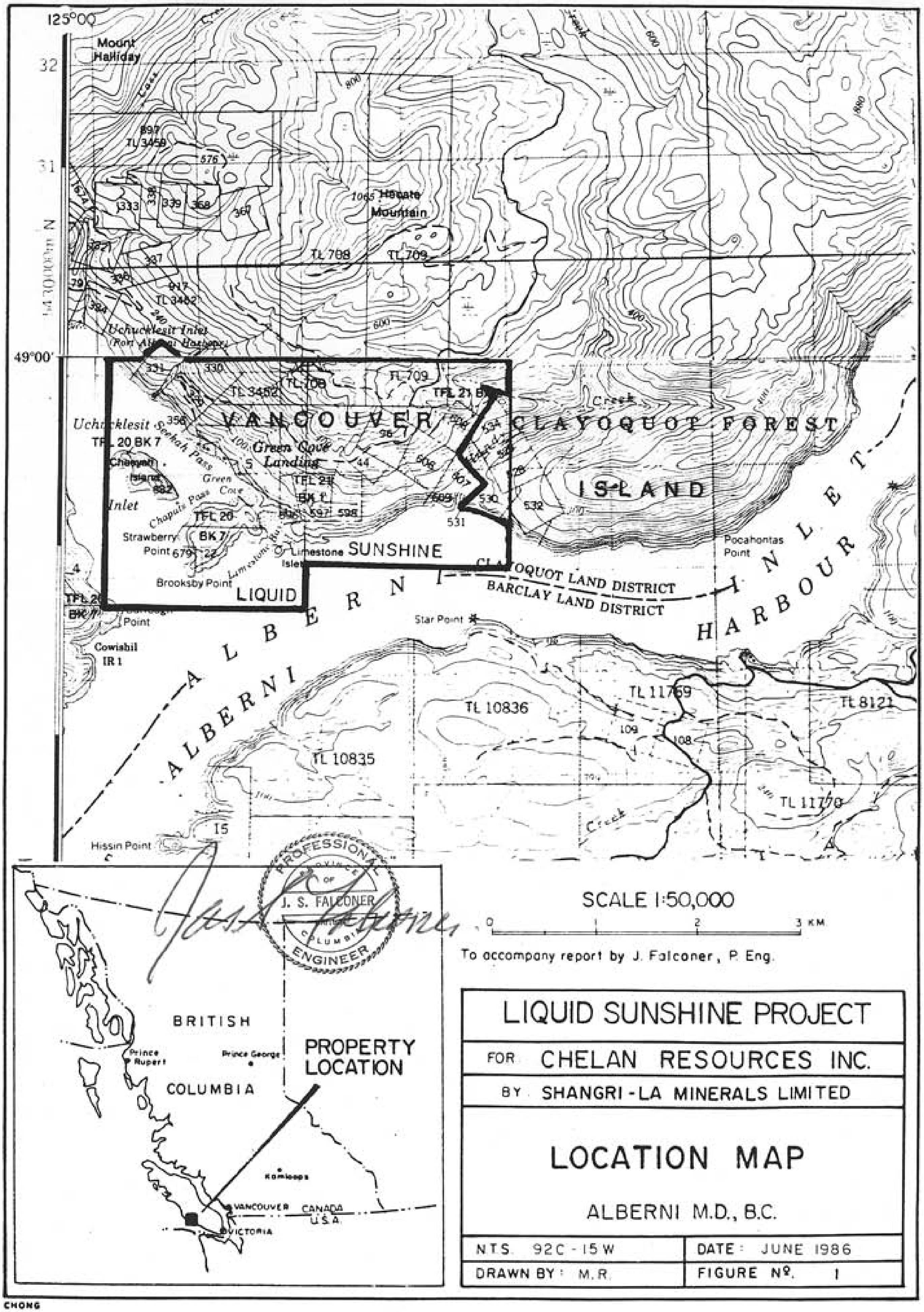
The purpose of this exploration was to examine an area containing known copper mineralization with the objective to locating associated gold mineralization.

The results of the surveys are presented within this report.

Property Status

The Liquid Sunshine Project consists of eleven Reverted Crown Granted mineral claims, and two modified grid system mineral claims located in the Alberni Mining Division. Particulars are as follows:

NAME	RECORD NO.	LOT NO.	ANNIVERSARY	AREA
Happy John	2810	606	11 December/86	20.4 hectares
Happy John #1	2811	607	11 December/86	15.13 hectares
Happy John #3 Fr.	2811	609	11 December/86	1.17 hectares
Happy John #2	2835	608	8 January/87	13.82 hectares
Happy John #4	2792	44	27 November/86	9.51 hectares
Green Mountain	2793	96	27 November/86	20.90 hectares
Silver King	2807	596	11 December/86	11.82 hectares
Copper Queen	2808	577	11 December/86	15.39 hectares
St. George	2809	598	11 December/86	14.26 hectares
Dora	2700	331	2 October/86	12.55 hectares


125°00'
Mount Halliday
Hecate Mountain
49°00'
VANCOUVER
CLAYOQUOT FOREST
ISLAND
Uchucklesit Inlet
Green Cove Landing
Cheeyah Island
Chapuis Pass
Strawberry Point
Brooksby Point
Limestone Islet
LIQUID
SUNSHINE
CLAYOQUOT LAND DISTRICT
BARCLAY LAND DISTRICT
ALBERNI INLET
ALBERNI HARBOUR
Pocahontas Point
Star Point
Cowishil IR 1
Hissin Point
TL 10836
TL 10835
TL 11769
TL 8121
TL 11770
TL 708
TL 709
TL 3462
TFL 20 BK 7
TFL 21 BK 1
SCALE 1:50,000
0
1
2
3 KM
To accompany report by J. Falconer, P. Eng.
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
J. S. FALCONER
BRITISH
COLUMBIA
Prince Rupert
Prince George
Kamloops
VANCOUVER
VICTORIA
CANADA
U.S.A.
PROPERTY LOCATION
LIQUID SUNSHINE PROJECT
FOR CHELAN RESOURCES INC.
BY SHANGRI-LA MINERALS LIMITED
LOCATION MAP
ALBERNI M.D., B.C.
N.T.S. 92C-15W
DATE: JUNE 1986
DRAWN BY: M.R.
FIGURE No. 1
CHONG

Constance Fr.	2700 /	357	2 October/86	2.16 hectares
Liquid	2893 /		5 May/87	20 units(500 hectares)
Sunshine	2894 /		5 May/87	16 units(400 hectares)

The claims are shown on British Columbia Ministry of Energy, Mines, and Petroleum Resources Mineral Claim Map M92C/15W.

This report shall be submitted to receive assessment credit.

Location, Access, Topography

The claims are located along the seashore at the convergence of Alberni and Uchucklesit Inlets, on the west coast of Vancouver Island and approximately 4 km southeast of Kildonan, B.C. Access is best from Port Alberni via the Lady Rose Ferry or by barge to Kildonan, B.C. and thence by power boat to the property. Various logging roads in the area provide local access only. This area of Vancouver Island is fairly isolated from supply centres and consquently supplies must be shipped from Port Alberni.

Topography is moderate over the majority of the claims, becoming much more rugged in the vicinity of Handy Creek, in the eastern portion of the claims. Elevations range from sea level to 550 metres a.s.l. Drainage is southwards to the Uchucklesit and Alberni Inlets. Much of the claim area has been logged; good roads traverse the property and very dense vegetation predominates.

History

Numerous old workings on the property date back to the turn of the century.

Three adits are located on the Happy John No. 1 claim, and explore limestone-diabase contacts. Reported assays (1906) are: copper, 12%; gold, 0.06 oz/ton; silver, 1.7 oz/ton.

A 12 m adit and an 8 m shaft were excavated on the Happy John No. 2 claim. Mineralization consisting of magnetite, pyrite, and chalcopyrite is present at the contact between limestone and volcanic rocks. Reported assays (1916) are: copper, 7.2%; silver, 0.6 oz/ton; gold, trace.

Extensive work has been done on the old Southern Cross Crown Grant (now cancelled) adjacent to the Dora and Constance Fr. claims. A 12 m adit exposes a limestone-diabase contact mineralized with chalcopyrite, pyrite and copper. A second adit, 40 m long, was driven 30 m downhill from the first in order to intersect the mineralization at depth. This adit contains 30 m of crosscuts and a 6 m deep winze, sunk where mineralization was strongest. Since the mineralization dipped away from the winze, additional crosscuts were planned to run off the winze. At 50 m above the main adit an open cut was run for 20 m along a mineralized zone in diabase on limestone contact and displaying pyrite and chalcopyrite.

No stoping has been done in the adits; however, ore was taken out during the course of development and a small shipment was made in 1907. Reported assays (1907) from dump samples are: gold, trace; silver, 0.56 oz/ton; copper, 18%.

PART B SURVEY SPECIFICATIONS

Grid

The survey was controlled by a 1.85 km baseline and a 1.5 km tieline, each oriented at azimuth 360°. The legal corner post of the Liquid and Sunshine claims was used as the benchmark. Crosslines were located at right angles to the baseline and stations were marked by Tyvex tags every 25 m using compass, clinometer, and hip chain.

A total of 3.35 km of baseline and tieline and 43 km of crossline were established.

Magnetometer Survey Method

The survey was conducted using a Scintrex Model MP-2 Proton Precession Magnetometer. This instrument measures the magnitude of the total magnetic field of the Earth to an accuracy of 1 gamma. Readings were taken at 25 m intervals along the crosslines. No magnetic storm activity was reported during the survey period. A total of 24.275 line-km were surveyed.

VLF-EM Survey Method.

The survey was conducted using a Sabre Electronics Model 27, V.L.F. Electromagnetometer. This instrument acts as a receiver only. It utilizes the primary electromagnetic fields generated by the United States Navy V.L.F. marine communcation systems. These transmitters induce electric currents in conductive bodies thousands of miles away. Induced currents produce secondary magnetic fields which can be detected at surface through deviations of the normal VLF field. This V.L.F.-E.M. measures the dip angle of the secondary field induced in a conductor.

For maximum coupling, a transmitter station located in the same direction as the geological strike and/or the strike of possible conductors is selected since the direction of the horizontal electromagnetic field is perpendicular to the direction of the transmitting station. In this case, the transmitter at Seattle, Wash. was utilized.

Readings were taken at 25 m intervals and the data was subsequently filtered as described by D.C. Fraser, Geophysics Vol. 34, No. 6. The advantage of this method is that it removes the DC and attenuates long spatial wave lengths to increase resolution of local anomalies. It also phase shifts the dip angle by 90° so that the cross-over and inflections will be transformed into peaks that yield contourable quantities.

A total of 40.075 line-km were surveyed. The results are presented on

Figure 3. To aid interpretation, only positive filtered dip angles were drafted. Positive values represent conductive zones.

Geochemistry and Soil and Vegetation Survey Methods

A total of 500 soil, 3 silt, and 96 rock samples were collected and analyzed. Soil samples were taken from the "B" horizon (15-70 cm depth) using a cast iron mattock. Soil origin (alluvial, colluvial), soil color, and depth to sample were recorded. Samples no less than 200 grams were placed in Kraft paper gusset bags and sundried before selection and shipment to the laboratory. The samples were analyzed by Acme Analytical Laboratories Ltd. using an induction coupled plasma spectrophotometer and atomic absorption (for gold). Twenty-nine of the rock samples were also fire assayed for platinum, palladium, and rhodium.

The soil and vegetation survey was conducted by traversing the property along the grid lines and by examining soil profiles exposed by road cuts with the objective of determining the relative merit of the geochemical results.

PART C

Geology

Regional Geology

Vancouver Island lies within the westernmost major tectonic subdivision of the Canadian Cordillera, the Insular Belt. The Insular Belt contains a Middle Paleozoic and a Jurassic volcanic-plutonic complex which are both underlain by gneiss migmatite terranes and overlain by Permo-Pennsylvanian and Cretaceous clastic sediments. A thick shield of Upper Triassic basalt overlain by carbonate-clastic sediments separates the two complexes. Post orogenic Tertiary clastic sediments fringe the west coast of the island.

SEQUENTIAL LAYERED ROCKS

PERIOD	GROUP	FORMATION	LITHOLOGY
Tertiary		Sooke Bay	conglomerate, sandstone, shale
		Carmanah	sandstone, siltstone, conglomerate
		Escalante	conglomerate, sandstone
		Metchosin	basaltic lava, pillow lava, breccia tuff
Cretaceous	Nanaimo	Gabriola	sandstone, conglomerate
		Spray	shale, siltstone
		Geoffrey	conglomerate, sandstone
		Northumberland	siltstone, shale, sandstone
		De Courey	conglomerate, sandstone
		Cedar District	shale, siltstone, sandstone
		Extension-Protection	conglomerate, sandstone, shale, coal
		Haslam	shale, siltstone, sandstone
		Comox	sandstone, conglomerate, shale, coal
	Queen Charlotte	conglomerate unit	conglomerate, greywacke
		siltstone, shale unit	siltstone, shale
		Longarm	greywacke, conglomerate, siltstone
Jurassic		Upper Jurassic Sediment Unit	siltstone, argillite, conglomerate
	Bonanza	Volcanics	basaltic to rhyolite lava, tuff, breccia, minor argillite, greywacke
		Harbledown	argillite, greywacke, tuff
Triassic	Vancouver	Parson Bay	calcareous siltstone, greywacke, silty limestone, minor conglomerate breccia
		Quatsino	limestone
		Karmutsen	basaltic lava, pillow lava, breccia tuff
		Sediment-sill unit	
Pennsylvanian & Permian		Buttle Lake	limestone, chert
Devonian and Older	Sicker	Myra	silicic tuff and breccia, argillite rhyodacite
		Nitinat	pillow lava, breccia, basic tuff

CRYSTALLINE ROCKS, COMPLEXES OF POORLY DEFINED AGE

NAME		LITHOLOGY
Sooke Intrusions	silicic	quartzdiorite, trondhjemite, agmatite, porphyry
	basic	gabbro, anorthosite, agmatite
Metchosin Schist, Gneiss		chlorite schist, gneissic, amphibolite
Leech River Formation		phyllite, mica schist, greywacke, argillite, chert
Pacific Rim Complex		greywacke, argillite, chert, basic volcanics, limestone
Island Intrusions		granodiorite, quartzdiorite, granite, quartz-monzonite
West Coast Complex	silicic	quartz-feldspar gneiss, meta-quartzite marble
	basic	hornblende-plagioclase gneiss, quartz-diorite, agmatite, amphibotite
Diabase sills limestone		
metavolcanic rocks		metavolcanics, minor metasediments, limestone, marble
Tyee Intrusions		metagranodiorite, metaquartz, diorite metaquartz porphyry
Colquitz Gneiss		quartz feldspar gneiss
Wark Diorite Gneiss		hornblende-plagioclase gneiss, quartz-diorite, amphibolite

After Miller, 1982 and 1977

Fragments of the Pacific Belt are present on the west and south coasts, and contain an assemblage of Late Jurassic to Cretaceous slope and trench deposits in inner core, and an outer core of Eocene oceanic basalt and basic crystalline rocks.

Property Geology

The Liquid Sunshine claims are underlain by limestone, calcareous siltstone, argillite, and minor greywacke of the Quatsino Formation, as well as felsic to mafic volcanics and intrusive phases of those volcanics. The age relationship between these sedimentary and volcanic rocks is uncertain, as the sediments appear to overlie the volcanics in places and yet are intruded by narrow dykes which in composition are very similar to the volcanic rocks.

Sediments

The majority of the sediments on the claims are massive, grey crystalline limestones. Bedding is commonly indeterminable, except in the northeast corner of the claims where the rocks trend easterly and dip moderately to the south.

In the area to the east of Limestone Bay, the limestone grades into a calcareous siltstone. Outcrops of argillite are present in the northeastern section of the claims. The argillite is finely bedded and displays undulating folds. Bedding trends north to northwest, dipping to the southwest.

One exposure of greywacke was located on the Sing Main Road, at approximately 700S, 400W. This is a fine-grained, grey-green rock which contains angular lithic clasts. The clasts are aligned, showing that bedding here trends northerly and dips moderately to the east.

Volcanics

Andesitic to basaltic rocks are found throughout the claims, becoming more abundant to the east. They vary from grey-green to purplish in colour, and are either aphanitic or porphyritic with an aphanitic groundmass. Porphyritic rocks contain 1-2 mm sized laths of plagioclase and 1-3 mm sized phenocrysts of amphibole. Chlorite and epidote are common.

An equiangular, fine to medium-grained (intrusive?) phase of the volcanic sequence is present as narrow dykes and as one large body in the vicinity of the Happy John No. 2 claim. These rocks are also present near Green Cove and on the Happy John No. 4 claim. Equant plagioclase comprises 80% of the phenocrysts with the remainder made up of 2-3 mm sized hornblende. This rock type has been termed a dacite.

A more siliceous rock, termed rhyolite and rhyodacite, is present in the west.

Structure

Overall trends in the bedding on the claims are difficult to determine due to lack of outcrops displaying bedded horizons. In the western area of the property, argillitic rocks trend north to northwest, and dip to the southwest. In the vicinity of the baseline, along and near the Sing Main Road, bedding strikes to the northwest and dips eastward. Limestone in the northeast corner of the claim trends east-west, dipping moderately to the south. Only local geological contacts have been mapped, which, due to the narrow nature of the lithologies, have not been extended. Faulting and shearing is present throughout the area, and generally trends to the northwest. Deformation appears to be the controlling factor in the sediment-volcanic relationship; shearing and slickensides are common at their contacts.

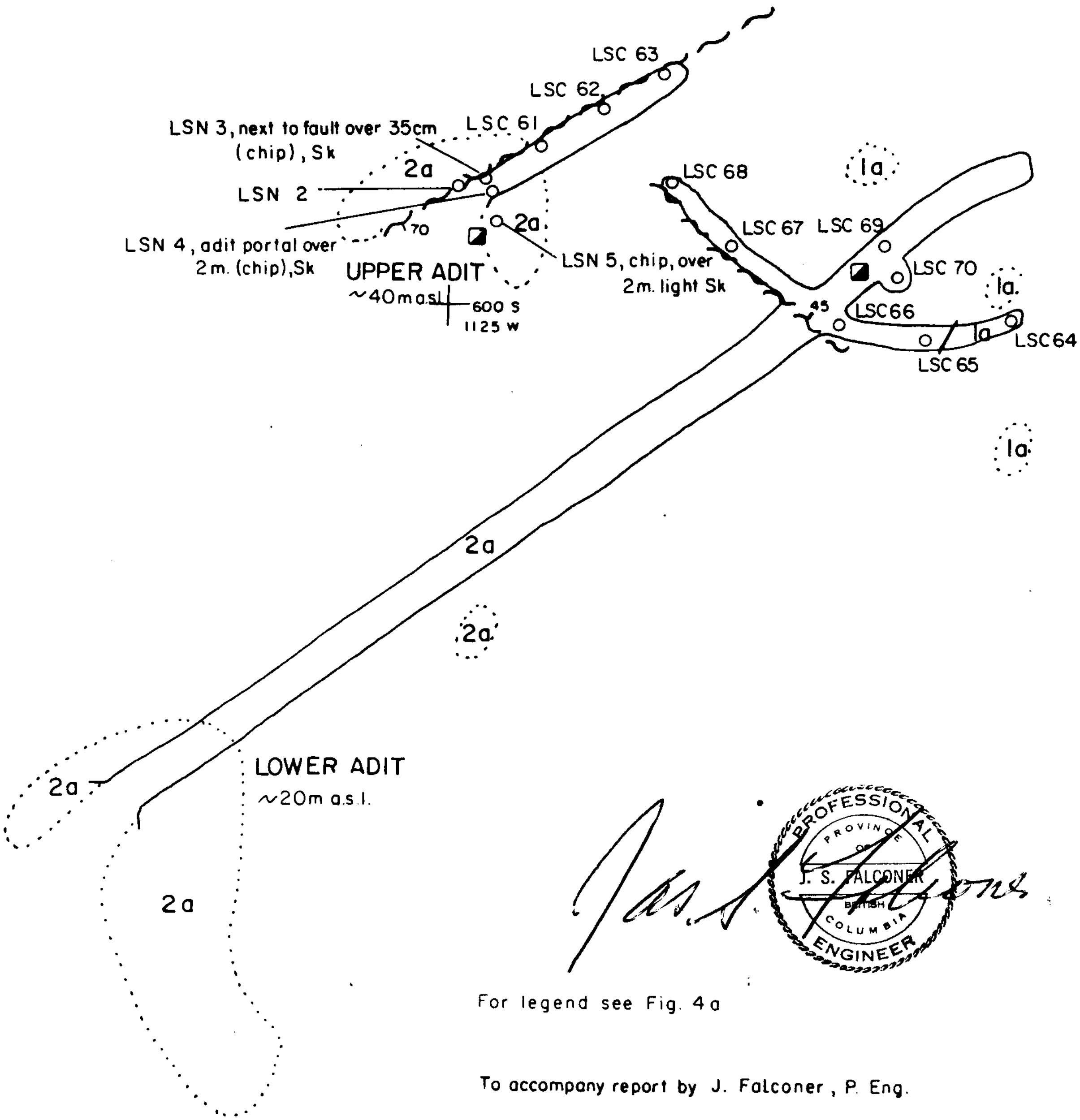
Topographical features suggest the presence of a large fault in the southeast claim area, near the Happy John No. 4 and St. George claims. Limestone and volcanics are in faulted contact on the old Southern Cross claim; the fault trends northeasterly and dips moderately to the southeast.

Alteration and Mineralization

Alteration consists largely of chloritization, epidotization, and silicification. In many places, limestone has undergone contact metamorphism and metasomatism, resulting in the formation of narrow skarns at igneous contacts. Chlorite seams are common in these areas. These skarn-like bodies consist of powdery to crystalline grossularite, diopside, actinolite, and sulphide minerals, all in variable concentrations.

Previous work on the property was centred around metasomatized limestone bodies. They featured low grade skarnification, were mineralized chiefly with chalcopyrite, magnetite, pyrite, pyrrhotite, and carried minor gold values. There are at least four areas of old workings on the property. These are on the Happy John Nos. 1, 2, and 4 Reverted Crown Grants, and on the old Southern Cross Crown Grant (now cancelled).

Two adits have been tunnelled on the old Southern Cross claim, exposing a contact between limestone and an intrusive body of intermediate composition. The limestone has undergone metasomatism at the contact, resulting in the formation of a skarn-like body up to 4 m wide composed mainly of fibrous radiating actinolite and mineralized (next to the contact) with large clots of pyrite, pyrrhotite, and chalcopyrite. The contact is marked by a fault trending northeasterly and dipping steeply to the east. This fault is easily seen at the upper adit. A reported cross



For legend see Fig. 4a

To accompany report by J. Falconer, P. Eng.

LIQUID SUNSHINE PROJECT

FOR: CHELAN RESOURCES INC.

BY: SHANGRI-LA MINERALS LIMITED

SOUTHERN CROSS ADITS

ALBERNI M.D., B.C.

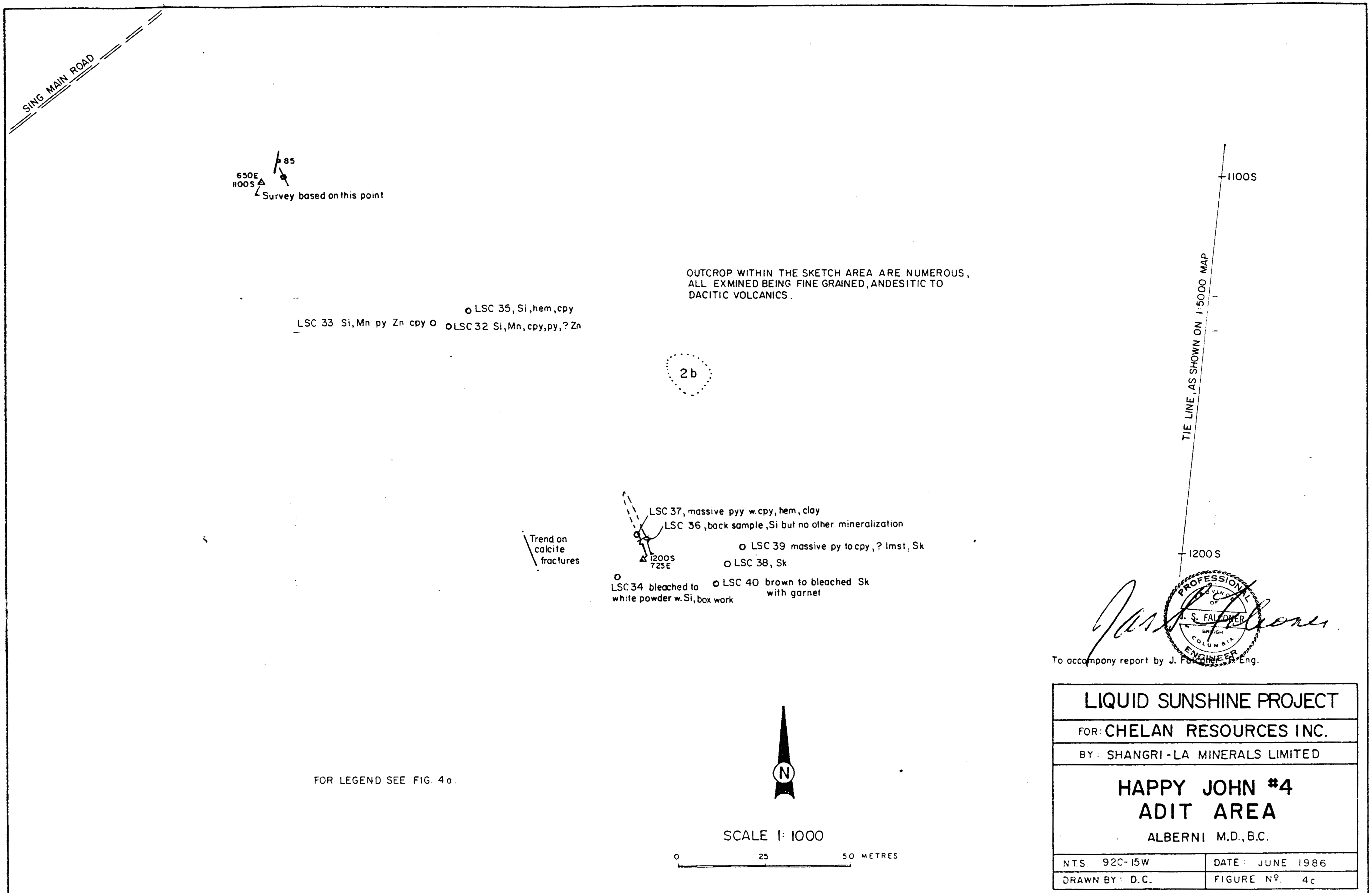
N.T.S. 92C-15W	DATE: JUNE 1986
DRAWN BY: N.H.	FIGURE Nº. 4b

N

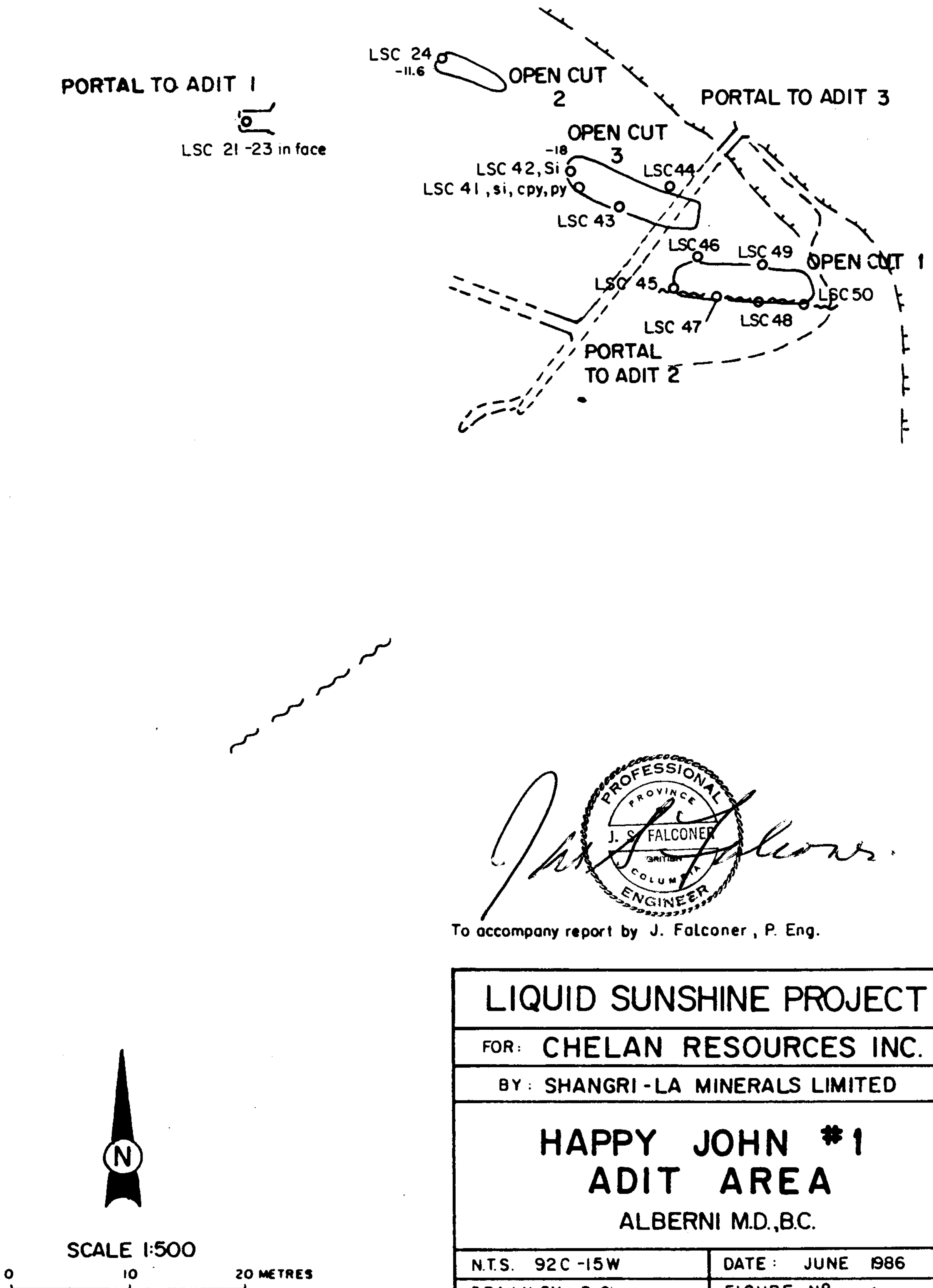
SCALE 1:500

0 10 20 METRES

CHONG


SING MAIN ROAD
650E
1100S
85
Survey based on this point
OUTCROP WITHIN THE SKETCH AREA ARE NUMEROUS, ALL EXMINED BEING FINE GRAINED, ANDESITIC TO DACITIC VOLCANICS.
1100S
TIE LINE, AS SHOWN ON 1:5000 MAP
LSC 35, Si, hem, cpy
LSC 33 Si, Mn py Zn cpy
LSC 32 Si, Mn, cpy, py, ? Zn
2b
LSC 37, massive pyy w. cpy, hem, clay
LSC 36, back sample, Si but no other mineralization
LSC 39 massive py to cpy, ? lmst, Sk
LSC 38, Sk
LSC 40 brown to bleached Sk with garnet
Trend on calcite fractures
1200S
725E
LSC 34 bleached to white powder w. Si, box work
1200 S
To accompany report by J. Falconer, P. Eng.
FOR LEGEND SEE FIG. 4a.
N
SCALE 1: 1000
0
25
50 METRES
LIQUID SUNSHINE PROJECT
FOR: CHELAN RESOURCES INC.
BY: SHANGRI-LA MINERALS LIMITED
HAPPY JOHN #4
ADIT AREA
ALBERNI M.D., B.C.
N.T.S 92C-15W
DATE: JUNE 1986
DRAWN BY: D.C.
FIGURE Nº. 4c

CHONG



To accompany report by J. Falconer, P. Eng.

LIQUID SUNSHINE PROJECT	
FOR: CHELAN RESOURCES INC.	
BY: SHANGRI-LA MINERALS LIMITED	
HAPPY JOHN #1 ADIT AREA ALBERNI M.D., B.C.	
N.T.S. 92C-15W	DATE: JUNE 1986
DRAWN BY: D.C.	FIGURE Nº. 4d

CHONG

fault south of the upper adit portal was not found, possibly because of rubble and overburden. An expression of this fault is found in the westerly-trending crosscut of the lower adit, where it strikes to the northwest and dips moderately to the northeast. Fourteen rock samples were collected from these adits. The best sample, LSC 70, returned values of 6,128 ppm Cu, 7,445 ppm Zn, 5.8 ppm Ag, and 33 ppb Au (Figures 4a,b).

A 15 metre long adit is present on the Happy John No. 4 claim (Figures 4a,c). Rubble of limestone and skarn was found in the vicinity, suggsting that this adit also explored an area of altered limestone. A 5 metre long trench has been excavated at the portal of the adit. Samples collected from this adit and of float in the vicinity, returned values up to 54,563 ppm Cu, 57.8 ppm Ag, and 40 ppb Au. An outcrop and subcrop of siliceous volcanics 80 metres northwest of the adit and mineralized with chalcopyrite and pyrite were also sampled. Analytical results of these samples are: 2,895 ppm Cu, 6,400 ppm As, 13.5 ppm Ag, 0.290 oz/ton Au (LSN 32); 2,303 ppm Cu, 4,890 ppm As, 10.9 ppm Ag, 0.144 oz/ton Au (LSN 33); 6,626 ppm Cu, 414 ppm As, 16.9 ppm Ag, 940 ppb Au (LSN 35).

Three adits and three open cuts were found on the Happy John No. 1 claim (Figures 4a,d). These workings also explore an area of altered limestone and volcanics. Again, the main metallic mineralization is copper (up to 43,562 ppm Cu). All but one of the fourteen samples collected from this area (LSC 21-24, LSC 41-50) yielded low values in gold; sample LSC 21, a chip sample over 1.2 m of skarn at the Adit 1 portal, contained 0.314 oz/ton Au. A water filled shaft was discovered on the Happy John No. 2 claim, exploring a mineralized contact between limestone and an andesitic intrusion. At the contact is a 2 m wide zone of altered limestone comprised of actinolite, diopside, grossularite, and massive sulphides and magnetite. The sulphides consist of chalcopyrite and pyrite. Samples collected from this area (LSN 31-33) yielded values up to 16,774 ppm Cu and 560 ppb Au.

A mineralized zone was discovered during the present survey on the Silver King claim. This zone is associated with shearing in dacite volcanics and is mineralized with pyrrhotite and chalcopyrite. Six samples were collected from the area, three of which returned appreciable gold values associated with arsenic. These are: LSC 30, 0.128 oz/ton Au and 4,845 ppm As; LSC 30A, 0.212 oz/ton Au and 6,927 ppm As; LSC 31, 0.112 oz/ton Au and 4,271 ppm As. Gold mineralization was also found on the Copper Queen claim, 150 m to the east of the Silver King showing. Shearing in dacitic volcanics is present here; sample LSC 13 of a siliceous zone returned values of 5,200 ppm As, 20.9 ppm Ag, and 0.360 oz/ton Au.

Numerous other narrow mineralized zones have been located on the property. These are either narrow skarn alteration (on the order of 50 cm widths) or shearing within volcanics. Samples LSN 9-12 are of narrow skarn zones on the Sing Main Road, approximately 250 m north of the Happy John No.4 adit. These samples yielded values up to 123,613 ppm Cu, 290 ppm As, 19.7 ppm Ag, and 1,820 ppb Au.

A number of the analyses of the rock samples were relatively high in nickel, cobalt and chromium. Twenty-nine of these samples (LSN 1, 9, 12, 13, 16-20) were subsequently assayed for platinum, paladium, and rhodium. The highest assays were 20 ppb platinum, 96 ppb paladium, and 2 ppb rhodium (LSN 20).

Discussion

From studying the geological relationships on the property, and available published data (Muller, 1982 and 1977) it appears that the property geology consists of Triassic limestone and associated sediments (Quatsino Formation) overlain and intruded by Jurassic mafic to felsic volcanics of the Bonanza Group.

The massive volcanic rocks present on Cheeyah Island and

Strawberry and Brooksby Points may be of the Triassic Karmutsen Formation, which stratigraphically underlies the Quatsino Formation.

Mineralization on the property is associated with limestone alteration (skarn) caused by shallow intrusions of Bonanza Group rocks and with shearing and silicifiction of the Bonanza Group rocks. Mineralization, then, is of Jurassic age. Indeed, most of the iron-copper skarn deposits (many of which contain gold) have been dated to the Jurassic period (Carson, et al, 1971). It appears that the most favourable areas for gold mineralization are those where contact metasomatism of limestone as well as shearing and silicification of limestone/volcanics occur.

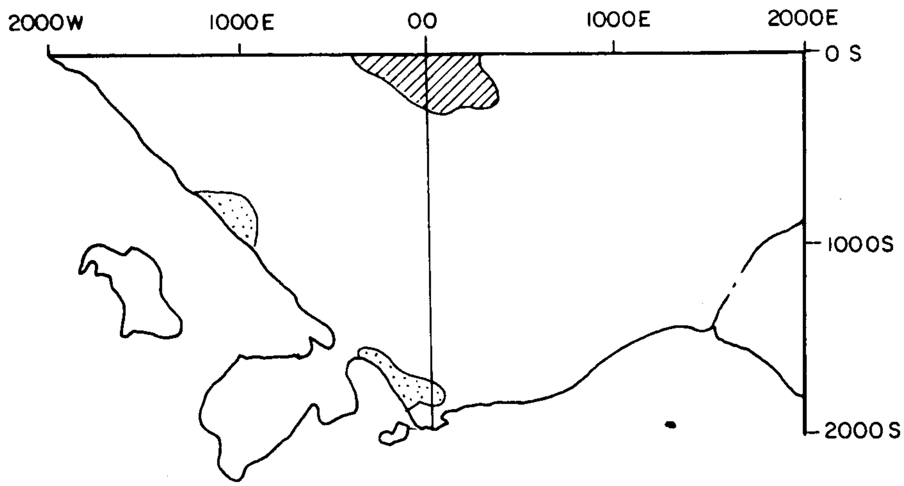
Soils and Soils Properties of the Claims

1. **Parent Materials**

The soils of this area can have fairly interesting underlying horizons. The parent materials have developed in successive layers, the most recent one being relevant to soil structure.

The first major event still visible on the property today is glaciation. Much of the area was scraped clean to leave nothing but bedrock. Other areas, however, were left with a layer of glacial till. It seems to occur mainly in depressions and valleys between outcrops.

After the glacial deposits were laid down the most dominant parent material on the claims capped most of the area. Colluvium formed through weathering the bedrock in place or fallen from outcrop uphill, form at least 90% of the active soil horizons on this property. In areas where a cut through the soil profile has been made, the layer of grey till capped by red, brown, or black colluvium and the active solum are clearly visible.



LEGEND

COLLUVIUM + BEDROCK

ALLUVIUM

GLACIAL TILL

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
J. S. FALCONER

To accompany report by J. Falconer, P. Eng.

LIQUID SUNSHINE PROJECT	
CHELAN RESOURCES INC.	
BY: SHANGRI - LA MINERALS LIMITED	
SOIL PARENT MATERIAL MAP ALBERNI M.D., B.C.	
N.T.S. 92C-15W	DATE: JUNE 1986
DRAWN BY: R.T.	FIGURE Nº 6

N

SCALE 1: 40,000

0 1 2 KM.

CHONG

Finally, alluvium was deposited in rare areas. The areas where alluvium was found are often still active and it is suspected that the soil parent material horizons are several layers thick, sometimes overlying colluvium and till.

In general, the active parent materials composed of glacial deposits are limited to the top of the slope where there still is soil (See Figure A). The tops of slopes are, however, often bedrock. The rest of the slope is composed of colluvial parent materials. The occasional area near the toe of the slope and near large creeks, has young soils developed from alluvium.

The total depth of the overburden on most of the property varies from 0 to a maximum of 2 m. At the toe of the slope in alluvial deposits, hwever, the overburden is likely to be deeper.

2. Soils

The soils of this property vary little in structure. The majority are ferro-humic podzols that vary only in their depth, organic horizons, and parent materials. The main characteristic of these soils is the movement of aluminum and iron sesquioxides combined with organic matter from the upper mineral horizon to deposit lower down. They are traditionally rapidly drained and develop in cool, wet climates.

Folisols (organic horizons on bedrock) occur frequently as there are many areas of bedrock that were scrpaed clean of mineral soil by glaciers or eroded after logging.

The organic horizons on the podzols vary significantly in character throughout the property. The area has alot of organic matter in the upper horizons, and depending on the forest cover, is incorporated to greater or lesser depths. In most cases, the mineral soil was less than 20 cm down, but many soil samples had to be dug to 70 cm and deeper.

On the majority of the recently clearcut areas, salmonberry and salal have grown along with coniferous trees. In these areas, mull humus forms seem to dominate. These humus forms are well mixed into the mineral horizons and it is difficult to distinguish a distinct boundary. The humus is mixed downward mainly through the action of worms. It is worthwhile to note that in these areas (about 3/4 of the property) the amount of organic carbon in the mineral B horizon will be higher than that found in soils under other humus forms.

Under dense regeneration of coniferous trees and in some of the mature forests, mor humus forms dominate. They have very definite structure and virtually no mixing into the mineral horizons.

In the more open mature forests, moder humus forms dominate. They are mixed on the surface by arthropods but to a much lesser extent than the mulls.

3. **Summary**

The most important characteristics of the soils of this area with respect to the local geochemistry are that:

- the soils are mostly of local origin
- the organic matter incorporated into the mineral horizons can be high 95-20%) even at depth.

Discussion of Geophysical Results

Total Field Magnetic Survey

The total field magnetic data are shown in Figure 2. The values range from a high of 5930 gammas (relative to a datum of 55,900 gammas) to a low of -1673 gammas. The backgound level is approximately zero.

The highest value is on the Happy John No. 4, and corresponds to an area of altered limestone and volcanics which is mineralized with chalcopyrite and pyrite. Rock geochemistry indicates the presence of gold and arsenic as well.

A 1,000 gamma mag high in the northeast corner corresponds to the northern part of a rock unit identified as a relatively coarse-grained phase of dacitic volcanics.

There are 3 localized anomalous zones (a high of 1030 gammas, a low of -500 gammas, and a low of -1673 gammas) located within a few hundred metres of a prominent VLF conductor on the west side of the property. The lows may indicate an alteration zone, while the high may indicate a concentration of metallic minerals.

VLF-EM Survey (Seattle)

The map of the VLF data (Figure 3) is dominated by a northwesterly-trending conductor of weak to moderate strength which extends from the baseline on LS 1100S to approximately 1000W on LS 00. This conductor may indicate a mineralized zone, and coincides with an area of anomalously high arsenic and silver values in the soil.

There is one fairly strong conductor just off the northeast corner of the property, with Fraser filtered values of over 22.5°. This may correspond to a mineralized zone. As well, there are 3 weakly conductive zones in the northeast corner (two within the property boundary, one approximately 75 m north of the boundary) with Fraser filtered values of over 10°, possibly indicating mineralized zones.

Discussion of Geochemical Results

Soils geochemistry has outlined several anomalous zones on the property. These include areas previously discussed in the section on geology, as well as an area anomalous in copper (Happy John claim) and a broad area in the western portion of the claims anomalous in gold, silver, arsenic and copper.,

Judging from the rock geochemical results, it is concluded that arsenic is an excellent pathfinder element for gold mineralizaton. Areas anomalous in arsenic are: west of the baseline on Lines 300S, 450S, and 600S; the vicinity of the Southern Cross adit, the vicinity of the Happy John No. 4 adit, and the southern portion of the Copper Queen claim.

PART D

Conclusions and Recommendations

The preliminary phase of exploration on the Liquid Sunshine project has indicated a number of targets worth investigating.

1) Adit area on Happy John no. 4 claim

Features: a) Gold mineralization associated with arsenopyrite.

b) High magnetic anomaly.

c) Presence of silicification and altered limestone.

2) Mineralized zone approximately 150 m northeast of Limestone Bay (Silver King claim)

Features: a) Gold mineralization associated with arsenopyrite from sample sites 150 m apart.

b) Shearing in volcanic rocks.

c) Slightly anomalous values in arsenic geochemistry in immedite area.

3) Area between LS 1100S, 00 and L500, 1000W

Features: a) Northwesterly-trending VLF-EM conductor of weak to moderate strength.

b) Two local magnetic highs and one local magnetic low adjacent to the electromagnetic conductor.

c) The electromagnetic conductor coincides with an area of anomalous arsenic and copper soil geochemistry.

4) Area of old workings on the Happy John No. 1 claim

Features: a) Favourable geology (volcanics and skarn)

b) Gold mineralization associated with arsenic.

5) Southern Cross old workings (LS 600S, 1125W)

Features: a) Favourable geology (skarn).

b) Copper mineralization.

c) Anomalous arsenic and copper soil geochemistry.

d) Weak electromagnetic conductor to northeast.

6) Happy John No. 2 old workings (LS 800S, 1650E)

Features: a) Favourable geology (skarn).

b) Copper mineralization.

c) Anomalous copper and gold soil geochemistry in area.

In order to evaluate the above targets, a second phase of exploration is recommended. The program should include detailed geological mapping and sampling of all target areas. Additional geophysical work consisting of total field magnetometer and VLF-EM surveys should be conducted over target areas not covered by the present survey. As well, induced polarization and resistivity surveys could be conducted over the target areas in order to outline alteration and geological structure at depth.

Contingent upon favourable results of these surveys the target areas should be trenched and a number of short drill holes should be drilled to test for underlying mineralizaton.

Estimated cost of Proposed Exploration Program:

Diamond Drill Tests, allow	$ 30,000.00
Geological Survey and Support, allow	10,000.00
Magnetometer and VLF-EM Surveys, allow	5,000.00
Induced Polarization and Resistivity Survey	15,000.00
Trenching, say	6,000.00
Assays, allow	8,000.00
Engineering, Supervision and Report	6,000.00
Contingencies, say	5,000.00
	$ 85,000.00

Respectfully submitted at Vancouver, B.C.

J. S. FALCONER
ENGINEER

James S. Falconer, P.Eng.
16 July 1986

REFERENCES

British Columbia Department of Mines — Annual Report of the Minister of Mines for the years 1900, 1902, 1903, 1904, 1906, 1907, 1916 1918, 1928.

Carson, D.J.T., Muller, J.E., Wanless, P.K. and Stevens, R.D., 1971 — Age of the Contact Metasomatic Copper and Iron Deposits, Vancouver and Texada Islands, British Columbia; Paper 71-36, Geological Survey of Canada, 9 p.

Muller, J.F., 1982 — Geology of Nitinat Lake Map Area; Open File 821, Geological Survey of Canada.

1977 — Geology of Vancouver Island; Open File 463, Geological Survey of Canada.

APPENDIX A

COST BREAKDOWN OF PHASE I PROGRAM

APPENDIX A

COST BREAKDOWN OF PHASE I PROGRAM

Grid establishment			
Base lines	3.35 km	@ $500.00/km	$ 1,675.00
Cross lines	43.00 km	@ $250.00/km	10,750.00
Geologicl Mapping, Prospecting and Sampling:			
N. Hulme, B.Sc.	20days	@ $250.00/day	5,000.00
D. Coffin, C.E.T.	27 ays	@ $250.00/day	6,750.00
Soil Sampling: 500 samples @ $10.00 each			5,000.00
VLF-EM Survey: 40.075 km @ $200.00/km			8,015.00
Magnetometer Survey: 24.275 km @ $200.00/km			4,855.00
Geochemical Analyses:			
500 soils	@	10.75	5,375.00
96 rocks	@	14.75	1,416.00
3 silts	@	14.75	44.25
Engineering and Interpretation			3,000.00
Report preparation, drafting and copying			1,850.00
			$ 53,730.25

APPENDIX B

CERTIFICATES

CERTIFICATE

I, James Selkirk Falconer, of Vancouver, British Columbia, do hereby certify:

1) I am a Consulting Professional Engineer to Shangri-La Minerals Limited, 200-675 West Hastings Street, Vancouver, British Columbia, V6B 4Z1.

2) I am a Registered Professional Engineer in the Province of British Columbia, Alberta and Ontario.

3) I graduated with a degree of Engineer of Mines from the Colorado School of Mines in 1969.

4) I have practised my profession for seventeen years.

5) This report is based on a personal property examination conducted on May 29th, 1986 and on an evaluation of publicly held data pertaining to the said property, as well as field data collected by a Shangri-La Minerals Limited crew.

6) I hold no direct or indirect interest in the property described herein, or in any securities of Chelan Resources Incorporated, or in any associated companies, nor do I expect to receive any.

7) This report may be utilized by Chelan Resources Incorporated for inclusion in a Prospectus or Statement of Material Facts.

Respectfully submitted at Vancouver, B.C.

PROVINCE OF BRITISH COLUMBIA
J. S. FALCONER
PROFESSIONAL ENGINEER

James S. Falconer, P.Eng.
16 July 1986

CERTIFICATE

I, Nigel J. Hulme, do hereby certify:

I) I am a Consulting Geologist, with the firm of Shangri-La Minerals Limited at 200-675 West Hastings Street, Vancouver, B.C.

II) I graduated in 1982 from Carleton University, Ottawa, Ontario with an Honours B.Sc. in Geology.

III) I have been involved in mineral exploration since 1979.

IV) This report is based on work carried out by the author and a Shangri-La Minerals Limited crew between May 12 and June 7, 1986.

V) I hold no direct interest or indirect interest in the property or in any securities of Chelan Resources Incorporated, nor do I expect to receive any.

VI) This report may be utilized by Chelan Resources Incorporated for inclusion in a Prospectus or Statement of Material Facts.

Respectfully submitted at Vancouver, B.C.

Nigel Hulme

Nigel J. Hulme, B.Sc.
16 July 1986.

CERTIFICATE

I, David Coffin, do hereby certify:

1) I am a Consultant with the firm of Shangri-La Minerals Limited at 200-675 West Hastings Street, Vancouver, B.C., V6B 4Z1.

2) I graduated as a Mining Technologist from the Haileybury School of Mines, Ontario in 1977.

3) I have been involved in mineral exploration since 1974.

4) This report is based upon fieldwork carried out by this author and a Shangri-La Minerals crew between May 12 and June 7, 1986.

5) I hold no direct or indirect interest in the property or in any securities of Chelan Resources Inc., or in any associated companies, nor do I expect to receive any.

6) This report may be utilized by Chelan Resources Inc. for inclusion in a Prospectus or Statement of Material Facts.

Respectfully submitted at Vancouver, B.C.

David Coffin 26/09/86

David Coffin.

CERTIFICATE

I, James Campbell Graham of the City of Burnaby in the Province of British Columbia, do hereby certify:

1) I am a Consulting Geophysical Engineer with the firm of Shangri-La Minerals Limited at 200-675 West Hastings Street, Vancouver, B.C., V6B 4Z1.

2) I graduated in 1985 from the Colorado School of Mines, Golden, Colorado, with a M.Eng. in Geophysical Engineering and in 1982 with a B.Sc. in Geophysical Engineering.

3) I have been involved in numerous mineral exploration programs since 1975.

4) This report is based upon fieldwork carried out by a Shangri-La Minerals Limited crew in May and June 1986.

5) I hold no direct interest or indirect interest in the property or in any securities of Chelan Resources Incorporated, or in any associated companies, nor do I expect to receive any.

6) This report may be utilized by Chelan Resources Incorporated for inclusion in a Prospectus or Statement of Material Facts.

Respectfully submitted at Vancouver, B.C.

James Campbell Graham, B.Sc., M.Eng.
16 July 1986

CERTIFICATE

I, Robert Thomson, of the City of Rossland in the Province of British Columbia do herby certify:

That I am a Consulting Forester with the firm of Shangri-La Minerals Ltd., 200-675 West Hastings Street, Vancouver, British Columbia, V6B 4Z1.

I further certify:

1. That I am a graduate of the University of British Columbia (1985) and hold a Bachelor of Science in Forestry Biology (Faculty of Forestry) degree.

2. That since 1980, I have been involved in numerous mineral exploration programs throughout Canada.

3. That this report is based on personal visits of the Liquid Sunshine Properties in May and June, 1986.

4. That I have no direct or indirect interest in the property described herein, or in Chelan Resources Inc., nor do I expect to receive any.

5. That this report may be utilized by Chelan Resources Inc. in a Prospectus or Statement of Material Facts.

Respectfully submitted at
Vancouver, B.C.

Robert Thomson

Robert Thomson, B.Sc., Forestry Biology

June 19, 1986

APPENDIX C

SAMPLE DESCRIPTIONS

APPENDIX C

SAMPLE DESCRIPTIONS

LSN 1 Baseline, 940S. Grab Sample.

Sample of argillaceous sediments, very friable. Rusty weathering due to presence of sulphides.

LSN 2 Southern Cross, Upper Adit. Grab Sample.

Sample of fine-grained intermediate intrusive on west side of fault at contact with altered limestone. Green-grey colour contains 2-4 mm sized plagioclase phenocrysts (epidotized) and millimetre sized phenocrysts of hornblende. Small amount of carbonate and silica, <1% disseminated pyrite.

LSN 3 Southern Cross, Upper Adit. Chip Sample over 35 cm.

Sample of altered limestone (skarn). Located on east side of fault. Dark green to black in colour (actinolite?) with massive pyrite, pyrrhotite and chalcopyrite (also as crystals). Carbonate lenses.

LSN 4 Southern Cross, Upper Adit. Chip sample over 2 m.

Adjacent to LSN 3, east side. Rusty brown weathered surface, light green to dark green fresh surface, skarn. Contains abundant actinolite and disseminated sulphides - pyrite, chalcopyrite. Also pyrite cubes up to 1 cm in size.

LSN 5 Southern Cross, Upper Adit. Chip sample over 2 m.

Adjacent to LSN 4, east side. Slightly altered limestone, minor actintolite, pyrite.

LSN 6 Sing Main Road. Grab sample.

Sample of mafic volcanics (dyke?). Green fresh surface, contains plagioclase laths 1 - 3 mm in size. Carbonate stringers 1-5 mm wide parallel contact with limestone.

LSN 7 Sing Main Road. Grab sample.

Shear in limestone and volcanics. Carbonate stringers, 1% pyrite.

LSN 8 Sing Main Road. Grab sample.

Sample of skarn, 1/2 mile wide. Green fresh surface, yellow-brown weathered surface. Contains grossularite as green-brown powdery masses and red millimetre-sized crystals. Pyrite masses.

LSN 9 Sing Main Road. Chip sample over 30 cm.

Sample of skarn. Green-brown to red brown powdery grossularite and fibrous slightly radiating diopside. Diopside and garnet (grossularite) have layered appearance. Layers are parallel to dyke contact, C axis of diopside is perpendicular to contact. 1% pyrite.

LSN 10 Sing Main Road. Chip sample over 30 m.

30 cm wide zone of sulphides within limestone. Massive, disseminated, and clots of pyrite, pyrrhotite and chalcopyrite. Green fresh surface, dark brown weathered surface. Manganese oxide stains.

LSN 11 Sing Main Road. Chip sample over 1 m.

Chip sample across outcrop face, 3 m below LSN 10. At contact between limetone and mafic dyke. Chloritic rock, green to black, vitreous, greasy. Up to 5% pyrite, pyrrhotite. Minor carbonate.

LSN 12 Sing Main Road. Float sample.

Sample of rubble at base of outcrop. Vicinity of LSN 10, 11. Massive sulhides - up to 80% chalcopyrite, pyrite, pyrrhotite. Rock is dark green, chloritic, contains carbonate lenses.

LSN 13 Sing Main Road. Grab Sample.

Sample of contact area (south contact) of mafic dyke and limestone. Dark green in colour, rock is chloritic, and contains amphibole, small amount of carbonate.

LSN 14 Sing Main Road. Grab Sample.

Layered garnet and diopside (skarn) similar to LSN 9. Chlorite in lenses and veinlets. Clots and veins of pyrite, chalcopyrite. Malachite stains.

LSN 15 Sing Main Road. Grab sample.

Chloritized volcanics. Slightly plagioclase phyric. <1% disseminated pyrite.

LSN 16 Sing Main Road. Chip sample over 2.7 m.

Sheared, chloritic volcanics. Weathers rusty brown. Malachite stains, <1% dissemianted pyrite.

LSN 17 Sing Main Road. Chip sample over 2 m.

North of LSN 16. Very similar, not as heavily sheared.

LSN 18 Sing Main Road. Grab sample.

Mafic volcanics, grass green fresh surface, rusty weathered surface. Chlorite, epidote, minor carbonate. 1% disseminated pyrite.

LSN 19 Sing Main Road. Grab sample.

Contact of mafic volcanics and intermediate dyke. Heavily epidotized.

LSN 20 Sing Main Road. Grab sample.

Sample of chlorite seam. Up to 3% disseminated pyrite, pyrrhotite, chalcopyrite.

LSN 21 Sing Main Road. Grab sample.

Sample of mafic volcanics. Green fresh surface, rusty weathered surface. 1% disseminated pyrite.

LSN 30 Tributary of Handy Creek which runs through Happy John 2. Grab Sample.

Contact of limestone and mafic volcanics. Contains up to 5% pyrrhotite disseminated and in clots.

LSN 31 Shaft area on Happy John 2. Grab sample.

Altered rock at contact with limestone and mafic volcanics. Weathered rusty brown, gossanous. 30% sulphides - chalcopyrite, pyrite. Also magnetite.

LSN 32 Shaft area on Happy John 2. Float sample.

Altered limestone (skarn). Pale green, powdery grossularite, chloritic. Subhedral magnetite up to 2 cm in size. Massive and disseminated pyrite and chalcopyrite. Grey-green in colour.

LSN 33 Shaft area on Happy John 2. Float sample.

Same as LSN 32.

LSC 1 Creek, approximately at 1000S, 375W. Sample of $2m^2$ panel.

Sample of siliceous dacitic volcanics. Grey fresh surface.

LSC 2 Creek, approximately at 1000S, 375W. Sample of $2\ m^2$ panel.

Sample of chloritic area wihtin dacitic volcanics. Some silica.

LSC 3 Sing Main Road approximately at 750S, 1000W. Chip sample over 1 m.

Sample of silicified limestone containing minor sulphides. About 3-4 m from a dyke contact.

LSC 4 Sing Main Road. Chip sample over 4 m.

Oxidized contact area of limestone and basic dyke.

LSC 5 Sing Main Road. Chip sample over 1 m.

Silicified zone in limestone approximtely 3 m from contact with dyke. Disseminated pyrite, rare specks of galena.

LSC 6 Sing Main Road. Sample of 1.5 m^2 panel.

Narrow zone along shear in buff coloured, friable limestone.

LSC 7 Junction of Sing Main Road and overgrown track. Chip sample over 4 m.

Face of highly sheared dyke intruding argillite. Very siliceous, hematized.

LSC 8 Junction of Sing Main Road and overgrown track. Chip sample over 2 m.

Across contact of smaller dyke (see LSC 7) intruding argillite.

LSC 9 Overgrown track at 480S, 340W. Grab sample.

Siliceous zone in calcareous siltstone. Pyrite, pyrrhotite, chalcopyrite.

LSC 10 Overgrown track at 410S, 450W. Sample of $2m^2$ panel.

Sample of skarn near dacitic contact. Rich in garnet, patches of silica.

LSC 11 Overgrown track at 110S, 525W. Grab Sample.

Sample of 50 cm wide siliceous zone in limestone. Pyrrhotite-filled fractures.

LSC 12 Mars Logging Road at 50S, 950W. Chip sample over 2 m.

Sample of black argillite near dacite dyke. Minor pyrite and silica.

LSC 13 1560S, 009E, at cliff. Grab sample.

Dark siliceous zone, 40 cm thick, within dacite.

LSC 14 1555S, 016E, at cliff. Chip sample over 1 m.

Similar to LSC 13, hematite and manganese stains, sinter.

LSC 15 1555S, 020E, at cliff. Grab sample.

Sample of 5 cm wide shear trending 150/75E. Siliceous with manganese stains.

LSC 17 Limestone Bay Road. Sample of 3 m^2 panel.

Sample from highly siliceous outcrop, rhyodacite? Rock is fine-grained, opaque.

LSC 18 Limestone Bay Road. Grab Sample.

Sample above a sulphide zone. Appears to be a weakly mienralized vertical shoot trending 167°. Contains massive pyrrhotite.

LSC 19 Limestone Bay Road. Chip sample over 1.2 m.

Across swell of silica within mineralized zone. Up to 20% pyrrhotite, less chalcopyrite.

LSC 20 Limestone Bay Road. Chip sample over 2 m.

Sample from eastern portion of mineralized zone, taken along shear, siliceous. Presence of pyrrhotite.

LSC 21 Happy John 1, Adit 1. Chip sample over 1.2 m.

Limestone altered to skarn at contact with dyke. Yellow garnets with granular texture.

LSC 22 Happy John 1, Adit 1. Chip sample over 60 cm.

Fine-grained, dark green dyke (basaltic) to south of limestone. Extensive shatter fractures.

LSC 23 Happy John 1, Adit 1. Chip sample over 80 cm.

Layer of silica between limestone and dyke, approximately 20 cm thick. Minor pyrite.

LSC 24 Happy John 1, Open Cut 2. Grab sample.

From limestone/volcanic contact. Oxidized zone with hematite, malachite, pyrite.

LSC 25 400S, 1700E (no line here). Sample of 3 m^2 panel.

Sample from large outcrop of dacite. Fine to medium-grained plagioclase and hornblende.

LSC 26 1175S, 1450E. Sample of 2 m^2 panel.

Area of silicification within basic volcanics.

LSC 27 1200S, 1500E. Grab sample.

Small area of sinter. Hematite, silica, manganese. Possible area of limestone-volcanic contact.

LSC 28 1210S, 1500E. Grab sample.

Area of limestone and volcanics. Lightly carbonatized, pyrite disseminated and in streaks, malachite stains.

LSC 29 Green Cove. Sample of 2 m^2 panel.

Area of silicification in altered limestone. Pyrite cubes.

LSC 30, 30A Limestone Bay Road. Chip sample over 70 cm.

Zone within volcanics, silcified.Contains pyrrhotite. Near limestone wedges which have been sheared into place. Vicinity of samples LSC 18, 19.

LSC 31 Near Limestone Bay Road. 1550S, 75W. Grab Sample.

Shear 10 cm wide. Silica, hematite, pyrite.

LSC 32 Happy John 4. Grab sample.

Sample of siliceous volcanic subcrop. Manganese, chalcopyrite, pyrite (sphalerite?)

LSC 33 Happy John 4. Chip sample over 1 m.

Similar to LSC 32, but in situ. Managanese, chalcopyrite, pyrite (spahlerite?).

LSC 34 Happy John 4. Sample of 1 m^2 panel.

Highly bleached zone. Silica, pyrite, managenese.

LSC 35 Happy John 4. Grab Sample.

Vicinity of LSC 32. Outcrop of siliceous volcanics mineralized with chalcopyrite, pyrite, manganese.

LSC 36 Happy John 4 Adit. Chip sample over 90 cm.

Siliceous volcanics, 3 m inside adit.

LSC 37 Happy John 4 Adit Area. Chip sample over 1.5 m.

Sample of massive sulphides, about 5 m above adit. Pyrrhotite, chalcopyrite, hematite, manganese, and silica.

LSC 38 Happy John 4 Adit Area. Float sample.

Brown, altered limestone. Presence of garnet.

LSC 39 Happy John 4. Float sample.

Massive pyrite and chalcopyrite in limestone. Frost heave east of adit.

LSC 40 Happy John 4. Sample of 1 m^2 panel.

Subcrop to east of adit. Skarn containing yellow-brown garnet-grossularite.

LSC 41 Happy John 1, Open Cut 3. Grab sample.

Well mineralized area on a slip. Pyrite, pyrrhotite, chalcopyrite, malachite.

LSC 42 Happy John 1, Open Cut 3. Chip sample over 1 m.

Across siliceous material in face of cut.

LSC 43 Happy John 1, Open Cut 3. Sample of 1.5 m^2 panel.

Green siliceous rock with pyrite, pyrrhotite and chalcopyrite in fractures.

LSC 44 Happy John 1, Open Cut 3. Sample of 1 m^2 panel.

Rusty, green, siliceous area of alteration mineralized with pyrite, chalcopyrite, and pyrrhotite in fractures.

LSC 45 Happy John 1, Open Cut 1. Grab Sample.

Fault gouge, 15 cm wide.

LSC 46 Happy John 1, Open Cut 1. Grab Sample.

Fault gouge.

LSC 47 Happy John 1, Open Cut 1. Sample of 1.5 m^2 panel.

Altered rock, 20% managanese oxide with pyrite, pyrrhotite, chalcopyrite.

LSC 48 Happy John 1, Open Cut 1. Sample of 1.5 m^2 panel.

Buff weathering, siliceous, light green volcanics.

LSC 49 Happy John 1, Open Cut 1. Sample of 1.5 m^2 panel.

North wall of cut, eastern end. Dark green andesite with malachite.

LSC 50 Happy John 1, Open Cut 1. Sample of 1.5 M^2 panel.

Dark brown siliceous rock, no visible sulphides.

1SC 51 1575S, 400E. Chip sample over 2 m.

Epidote and silica filled fractures, 0.5-1 cm wide, in dacite. Trend 045/V.

LSC 52 1535S, 675E. Grab sample.

Sample of andesite with 10 cm wide zone of iron oxide and clay gouge.

LSC 53 1535S, 675E. Grab Sample.

Located 2.5 m east of LSC 52. Andesitic volcanics mineralized with pyrite, chalcopyrite.

LSC 54 1535S, 675E. Grab Sample.

Sample of talus. Sinter with manganese oxide, hematite, pyrite cubes.

LSC 55 1535S, 600E. Grab Sample.

Andesite containing pockets of granular pyrite.

LSC 56 1535S, 600E. Chip sample over 1.5 m.

Section of andesite between two shears. Granular pyrite and silicified fractures.

LSC 57 000S, 850W. Chip sample over 2 m.

Dark brown sinter with pyrite and chalcopyrite. Along bedding plane (50 cm) in limestone.

LSC 58 600S, 500W. Chip sample over 1 m.

Mineralized portion of dacite dyke intruding argillite. Dyke contains local pyrite in shears.

LSC 59 600S, 500W. Sample of 1.5 m^2 panel.

Sample of argillite, altered to clay and iron oxides, minor silica.

LSC 60 Northeast of Brooksby Point. Chip ample over 80 cm.

Siliceous zone trending 103/50S in dacite. Disseminated and clustered pyrite 2-4%.

LSC 61 Southern Cross, Upper Adit. Grab Sample.

From slip face on northwest wall. Contains malachite, chalcopyrite, pyrite.

LSC 62 Southern Cross, Upper Adit. Sample of 1.5 m^2 panel.

From slip face on norhwest wall. Minor sulphides.

LSC 63 Southern Cross, Upper Adit. Sample of 1.5 m^2 panel.

From slip face on northwest wall. Possibly fine-grained intrusive, diorite.

LSC 64 Southern Cross, Lower Adit. Sample of 2 m^2 panel.

From end of drift running to southeast. Siliceous with malachite spots.

LSC 65 Southern Cross, Lower Adit. Chip sample over 1.2 m.

Dark fine-grained intrusive or coarse-grained extrusive rocks - intermediate composition.

LSC 66 Southern Cross, Lower Adit. Chip sample over 1.5 m.

From junction of crosscuts. Andesitic rock.

LSC 67 Southern Cross, Lower Adit. Chip sample over 1.2 m.

Andesitic rock, siliceous.

LSC 68 Southern Cross, Lower Adit. Sample of 1.2 m^2 panel.

Andesitic rock, quartz stringers.

LSC 69 Southern Cross, Lower Adit. Chip sample over 1.2 m.

Contact area between andesitic rock and mineralized zone? Dark, siliceous material.

LSC 70 Southern Cross, Lower Adit. Sample of 2 m^2 panel.

Selective sampling of small drift in mineralized rock. Altered limestone containing much actinolite and pyrite, chalcopyrite.

APPENDIX D

ANALYTICAL RESULTS

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK CHIPS AU** ANALYSIS BY FA+AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUNE 23 1986 DATE REPORT MAILED: June 27/86 ASSAYER. ... DEAN TOYE. CERTIFIED B.C. ASSAYER.

SHANGRI-LA MINERALS PROJECT - LIQUID SUNSHINE FILE # 86-1132 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM
LSN-1	5	87	12	131	.4	34	15	548	4.09	25	5	ND	1	91	1	6
LSN-2	9	64	3	68	.1	3	7	1882	2.85	2	5	ND	2	70	1	2
LSN-3	4	28893✓	10	243	23.7	1	14	3110	7.77	7	5	ND	2	20	2	2
LSN-4	2	8794	9	112	7.2	1	14	2477	4.31	9	5	ND	1	11	1	4
LSN-5	6	840	67	8722	1.0	2	8	2492	1.04	4	9	ND	4	229	38	2
LSN-6	1	215	9	129	.2	8	22	878	5.90	3	5	ND	2	56	1	2
LSN-7	2	100	11	282	.1	13	14	1345	4.28	7	5	ND	4	122	1	3
LSN-8	1	49	13	257	.1	1	16	1908	5.70	33	5	ND	3	11	1	3
LSN-9	1	94	9	103	.3	3	14	2800	7.36	18	5	2	4	13	1	2
LSN-10	22	123613✓	27	1056	19.7	2	1	416	24.83	290	5	ND	1	2	7	2
LSN-11	28	369	9	78	.1	11	30	1684	8.16	8	5	ND	1	61	1	2
LSN-12	14	40702✓	38	382	9.1	1	263	335	29.57	163	5	ND	1	6	1	2
LSN-13	2	98	2	77	.1	59	23	1327	5.24	2	5	ND	2	33	1	2
LSN-14	1	3401	14	82	.8	3	21	3173	9.32	14	7	ND	5	25	1	2
LSN-15	1	94	2	93	.1	10	21	1120	5.31	4	5	ND	1	31	1	2
LSN-16	8	2008	5	74	.1	137	30	763	3.49	15	5	ND	1	141	1	2
LSN-17	2	871	13	63	.1	116	22	665	3.14	19	5	ND	1	167	1	3
LSN-18	2	568	14	85	.3	100	29	852	7.98	14	5	ND	1	75	1	2
LSN-19	3	57	8	77	.1	85	18	1617	4.13	6	5	ND	1	165	1	2
LSN-20	4	1168	15	308	.1	234	118	2299	8.02	23	5	ND	2	30	1	2
LSN-30	3	838	11	1331	.2	6	57	3857	7.43	103	7	ND	5	49	5	2
LSN-31	2	16046✓	15	30	4.1	11	35	872	9.71	20	5	ND	1	3	1	3
LSN-32	4	16774✓	12	37	.1	4	23	1866	10.29	14	6	ND	3	11	2	2
LSN-33	9	6939	14	20	.1	4	20	2345	15.27	14	8	ND	5	12	2	2
STD C/AU 0.5	21	62	37	135	7.0	69	29	1215	3.94	40	16	8	33	48	18	17

SAMPLE#	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
LSN-1	2	132	1.31	.20	2	60	1.77	81	.13	2	3.35	.38	.07	1	390
LSN-2	2	18	4.15	.11	3	3	2.06	10	.13	4	2.11	.02	.01	1	3
LSN-3	2	6	3.86	.01	2	1	.66	17	.01	4	.16	.01	.02	1	9
LSN-4	2	1	1.51	.02	2	1	.30	39	.01	4	.12	.01	.02	1	6
LSN-5	7	2	23.55	.01	2	1	.20	10	.01	3	.06	.01	.01	1	3
LSN-6	2	156	2.04	.17	2	8	2.37	313	.40	5	3.21	.13	.11	1	2
LSN-7	2	102	7.37	.11	4	22	1.20	45	.24	3	3.09	.04	.05	1	1
LSN-8	2	11	6.52	.02	2	1	.47	17	.02	4	.55	.01	.01	3	7
LSN-9	2	9	10.59	.01	2	2	.16	35	.01	3	.30	.01	.01	6	1190
LSN-10	2	9	.19	.01	2	1	.38	12	.01	6	.62	.01	.01	1	210
LSN-11	2	107	1.73	.08	3	20	4.22	12	.20	6	3.73	.01	.01	1	2
LSN-12	2	11	.50	.01	2	1	.40	5	.01	2	.38	.01	.01	1	1820
LSN-13	2	144	3.51	.08	2	107	4.51	34	.25	5	3.36	.02	.07	1	3
LSN-14	6	33	11.90	.02	2	6	1.18	75	.07	2	1.11	.01	.01	1	4
LSN-15	2	92	2.12	.09	2	14	2.79	91	.05	7	2.58	.03	.12	1	3
LSN-16	2	89	2.67	.09	2	97	2.66	7	.72	3	2.15	.01	.01	1	2
LSN-17	2	105	2.73	.09	3	102	2.39	21	.84	6	2.12	.01	.02	1	1
LSN-18	2	76	1.24	.07	2	98	3.85	14	.28	4	2.63	.01	.01	1	13
LSN-19	2	88	2.20	.10	6	93	4.64	14	.33	3	3.37	.01	.01	3	3
LSN-20	2	124	3.66	.10	2	165	2.71	45	.57	10	2.93	.01	.05	1	4
LSN-30	2	14	18.53	.01	2	7	.70	57	.03	4	.54	.01	.03	1	2
LSN-31	2	10	.82	.01	4	6	.58	14	.03	2	.20	.01	.01	1	48
LSN-32	2	6	6.44	.01	4	2	.40	4	.01	2	.16	.01	.01	1	560
LSN-33	2	10	10.20	.01	3	1	.26	2	.01	2	.16	.01	.01	1	3
STD C/AU 0.5	20	63	.48	.10	37	60	.88	182	.08	38	1.73	.08	.11	15	505

✓ Assay required for correct result

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL/ASSAY CERTIFICATE

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK CHIPS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE. AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUNE 25 1986 DATE REPORT MAILED: June 30/86 ASSAYER. ...DEAN TOYE. CERTIFIED B.C. ASSAYER.

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB	Au* OZ/T
LSC 1	1	17	3	17	.1	4	5	468	2.00	12	5	ND	2	22	1	2	2	27	.72	.04	4	3	.99	1063	.09	2	1.18	.08	.02	1	1	-
LSC 2	3	106	5	72	.1	47	24	1380	5.56	16	5	ND	2	107	1	3	2	173	1.67	.06	2	71	3.31	63	.53	3	2.56	.03	.01	1	1	-
LSC 3	8	18	45	459	.9	3	5	846	2.64	48	5	ND	2	17	2	2	3	16	1.97	.04	5	2	.84	109	.05	2	1.06	.06	.06	1	2	-
LSC 4	3	258	64	230	.3	165	42	1837	9.27	42	5	ND	2	15	2	13	2	255	.55	.11	6	166	3.73	61	.01	4	4.66	.01	.08	3	7	-
LSC 5	4	87	968	3351	5.7	6	6	3410	5.06	31	13	ND	4	95	11	5	20	26	13.44	.04	2	3	2.22	28	.08	2	2.19	.01	.02	1	7	-
LSC 6	3	117	8	158	.2	17	27	1109	9.54	2	5	ND	3	34	1	3	2	191	1.72	.18	5	8	4.61	86	.01	2	5.22	.01	.10	1	2	-
LSC 7	4	36	7	95	.1	2	9	1094	5.25	5	5	ND	3	59	1	4	2	29	1.23	.20	13	3	1.28	19	.27	2	2.07	.02	.03	1	1	-
LSC 8	4	72	9	175	.2	27	12	887	4.74	11	5	ND	2	76	1	2	2	117	1.54	.09	4	44	1.50	34	.11	2	3.03	.04	.03	1	2	-
LSC 9	4	3289	2602	13315	28.8	3	36	3111	5.31	164	6	ND	2	72	53	2	54	18	20.22	.02	2	5	.43	11	.03	2	.51	.01	.01	2	14	-
LSC 10	6	25	38	338	.3	1	5	2174	12.88	20	7	ND	3	11	1	2	5	7	20.87	.01	2	1	.13	15	.01	5	.30	.02	.01	1	1	-
LSC 11	4	84	10	137	.2	3	23	2708	7.27	20	9	ND	3	19	1	3	2	33	11.13	.03	2	2	1.29	12	.05	3	1.10	.01	.01	2	1	-
LSC 12	3	54	7	91	.4	18	22	1166	6.84	4	5	ND	2	118	1	6	2	171	2.70	.09	4	8	2.53	82	.01	2	4.63	.41	.07	2	1	-
LSC 13	6	314	469	441	20.9	35	18	1141	7.60	5200	5	4	1	34	5	19	2	111	.99	.05	2	69	.82	14	.23	2	1.33	.02	.02	1	6600	.360
LSC 14	7	370	26	42	.6	26	14	984	18.85	95	5	ND	2	38	1	7	2	143	.62	.07	2	50	.90	7	.46	5	1.41	.03	.02	1	19	-
LSC 15	14	683	52	79	1.3	26	11	653	29.73	348	5	ND	3	28	1	22	2	147	.33	.06	2	90	.55	6	.45	2	1.30	.01	.01	1	115	-
LSC 16	4	1545	48	3500	2.4	299	64	2912	7.57	140	7	ND	2	74	23	2	2	74	10.18	.02	2	155	2.25	11	.17	2	2.46	.02	.02	1	2	-
LSC 17	1	52	6	62	.1	4	5	352	2.10	17	5	ND	2	12	1	3	2	18	.41	.05	7	5	.77	39	.07	2	.90	.08	.06	1	1	-
LSC 18	8	1244	30	43	1.0	57	127	1777	28.70	80	7	ND	3	19	1	15	2	24	3.69	.03	2	1	.58	20	.03	4	.69	.01	.04	1	1	-
LSC 19	6	790	16	61	.5	53	35	1309	14.00	147	5	ND	2	68	1	4	4	101	2.13	.07	3	55	1.68	4	.41	7	1.67	.02	.01	1	2	-
LSC 20	8	1902	25	46	.9	44	116	1020	19.38	106	5	ND	2	48	1	6	4	62	1.96	.05	4	34	.99	3	.27	7	1.17	.01	.01	1	5	-
LSC 21	9	237	8	153	.8	29	13	4929	7.27	28	7	7	3	65	1	2	4	47	10.97	.05	2	20	.50	7	.19	2	.88	.03	.01	2	7450	.314
LSC 22	2	116	4	103	.1	27	22	3378	4.17	5	5	ND	1	94	1	4	2	76	2.69	.08	2	20	2.67	34	.19	3	2.42	.16	.05	2	9	-
LSC 23	4	524	7	2661	.2	13	20	9825	6.10	13	5	ND	2	17	13	2	5	12	8.50	.01	2	1	.28	8	.01	2	.34	.02	.01	7	33	-
LSC 24	12	43562	32	386	12.6	65	62	3320	14.30	88	5	ND	2	53	8	6	2	44	5.34	.03	2	39	.75	42	.20	11	.89	.01	.01	1	11	-
LSC 25	1	418	6	126	.2	4	17	1344	5.55	2	5	ND	2	55	1	2	2	132	.92	.09	5	9	1.98	30	.21	2	2.04	.04	.04	1	1	-
LSC 26	1	1652	5	64	.5	15	14	895	3.99	6	5	ND	2	84	1	2	2	82	1.83	.06	6	22	1.35	20	.40	2	1.66	.05	.03	1	1	-
LSC 27	85	1925	35	30	4.0	4	13	1102	35.27	51	5	ND	3	3	1	18	13	19	.08	.01	12	3	.08	12	.02	6	.26	.02	.01	1	30	-
LSC 28	2	3184	5	66	1.4	4	15	4201	5.12	11	5	ND	1	8	1	2	3	8	6.09	.02	3	1	.28	57	.01	2	.24	.01	.01	4	1	-
LSC 29	3	83	7	86	.3	11	16	1267	5.66	3	5	ND	3	32	1	2	2	75	2.40	.10	7	15	1.96	42	.15	4	2.28	.09	.10	1	1	-
LSC 30	19	926	625	128	5.4	24	31	1434	14.99	4845	5	ND	3	19	5	2	2	33	5.78	.06	8	14	.58	9	.06	12	.86	.01	.01	1	2700	.128
LSC 30A	2	33	334	112	6.0	3	3	204	2.10	6927	5	7	1	136	2	9	4	9	1.50	.03	5	2	.13	187	.03	2	1.32	.09	.10	1	5600	.212
LSC 31	4	808	892	125	4.8	53	115	596	9.57	4271	5	ND	2	43	4	8	2	91	1.39	.07	10	31	1.32	12	.23	6	1.29	.01	.02	1	2800	.112
LSC 32	5	2895	236	120	13.5	4	38	3023	14.68	6400	5	2	3	2	3	6	3	6	11.90	.01	6	1	.08	18	.01	11	.11	.02	.01	3	7600	.290
LSC 33	5	2303	72	367	10.9	5	51	3979	16.30	4890	6	ND	3	2	3	2	4	16	12.57	.01	7	1	.08	15	.01	15	.21	.02	.01	3	3500	.144
LSC 34	6	48	18	42	.3	5	5	3168	14.80	99	13	ND	3	1	1	2	4	6	20.21	.01	6	5	.06	4	.01	14	.24	.01	.01	2	35	-
LSC 35	4	6626	19	124	16.9	2	72	2670	15.60	414	5	ND	3	1	2	2	2	6	10.66	.01	13	1	.08	8	.01	14	.10	.01	.01	3	940	-
STD C/AU 0.5	21	64	41	141	7.1	74	29	1247	3.98	40	21	7	35	49	19	17	21	68	.48	.11	40	60	.89	184	.09	38	1.73	.07	.11	13	495	-

✓ Assay required for correct result ___

SHANGRI-LA MINERALS PROJECT - LIQUID SUNSHINE FILE # 86-1155

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
LSC 36	1	65	4	29	.1	3	8	564	2.37	2	5	ND	1	38	1	3	2	30	.81	.09	7	1	1.15	18	.16	5	1.33	.13	.03	2	15
LSC 37	16	3590	39	104	1.9	3	28	2360	33.20	1416	5	ND	3	1	1	2	9	4	1.90	.02	2	1	.11	7	.01	7	.11	.04	.01	1	15
LSC 38	13	2225	26	71	.8	3	12	2694	26.30	1238	10	ND	3	1	1	2	2	4	7.17	.02	2	1	.10	14	.01	2	.18	.02	.01	1	4
LSC 39	19	54563✓	41	216	57.9✓	87	405	841	34.92	4361	5	ND	3	6	8	11	2	3	.88	.01	2	1	.15	6	.02	6	.15	.01	.01	1	40
LSC 40	5	170	11	40	.3	5	5	3310	15.58	39	19	ND	3	13	1	2	2	22	18.96	.01	4	4	.29	3	.04	6	.50	.01	.01	3	2
LSC 41	30	22229✓	27	1057	4.1	56	38	4694	12.22	62	15	ND	2	38	10	2	2	58	12.57	.02	3	29	.45	3	.17	18	.98	.01	.01	1	8
LSC 42	62	13931✓	10	206	2.1	109	24	930	3.93	27	5	ND	1	117	4	4	2	59	2.93	.04	3	71	.74	2	.41	3	1.22	.02	.01	1	4
LSC 43	6	1547	5	102	.1	101	22	892	2.84	18	5	ND	1	197	1	2	4	78	3.39	.04	3	84	1.20	11	.55	5	1.67	.01	.01	1	1
LSC 44	19	4488	5	57	1.3	63	17	987	3.70	30	5	ND	1	101	1	2	2	62	3.46	.04	3	68	.52	6	.39	3	1.29	.02	.01	1	3
LSC 45	3	293	11	1166	.2	17	12	5793	11.81	30	5	ND	2	98	4	2	3	86	9.09	.05	3	17	2.15	40	.11	5	2.67	.01	.02	1	1
LSC 46	9	34745✓	19	393	5.9	36	32	5034	15.73	74	17	ND	3	11	7	3	2	63	11.01	.01	2	41	1.20	49	.09	9	1.65	.02	.06	1	4
LSC 47	28	21710✓	16	196	3.2	48	30	1591	7.10	12	5	ND	2	124	4	2	2	68	1.49	.05	5	43	2.56	5	.22	4	2.37	.01	.01	1	5
LSC 48	35	1688	18	111	1.3	14	16	1623	5.70	6	5	ND	2	97	1	2	2	32	1.00	.04	7	9	2.28	5	.14	2	2.19	.01	.01	1	10
LSC 49	3	5863	12	181	1.8	21	29	2843	6.84	24	5	ND	2	113	2	2	2	50	6.00	.07	2	3	1.12	11	.16	2	1.48	.01	.01	1	2
LSC 50	1	133	3	82	.1	5	4	987	2.05	3	5	ND	2	54	1	2	2	12	.49	.01	4	6	1.02	17	.08	2	1.25	.08	.04	1	1
LSC 51	1	99	6	14	.1	4	3	335	2.50	2	5	ND	2	417	1	2	2	57	2.66	.10	8	2	.25	3	.41	2	1.45	.01	.01	1	5
LSC 52	6	98	16	245	.2	61	24	4214	9.04	16	5	ND	1	7	2	6	2	68	.32	.04	13	59	.54	143	.01	5	1.02	.01	.14	1	2
LSC 53	1	1094	10	420	.4	50	16	1680	4.61	10	5	ND	1	6	5	21	2	46	.32	.04	7	53	.36	75	.01	6	.75	.03	.19	1	1
LSC 54	6	515	113	800	4.6	42	114	734	20.86	49	5	ND	2	22	3	2	8	63	.33	.01	3	57	.79	9	.05	2	1.16	.01	.06	1	1500
LSC 55	5	272	324	758	1.6	82	72	1302	10.67	154	5	ND	1	83	2	2	2	86	1.88	.03	6	91	2.15	20	.31	3	2.47	.06	.01	1	9
LSC 56	2	372	13	261	.2	140	37	1996	7.35	32	5	ND	1	66	1	2	2	173	1.62	.04	6	192	4.62	23	.51	3	3.86	.05	.01	1	2
LSC 57	7	200	14	254	.3	4	32	6205	13.27	60	5	ND	2	17	1	2	2	14	4.55	.02	6	8	.55	69	.01	12	.67	.01	.01	1	980
LSC 58	7	500	20	131	.3	6	13	1079	9.09	26	5	ND	3	24	1	2	2	37	.83	.23	20	4	1.00	67	.02	2	1.93	.05	.09	1	65
LSC 59	1	35	6	46	.1	9	4	511	2.68	6	5	ND	1	38	1	2	2	25	.41	.05	5	11	.82	31	.15	2	1.06	.13	.10	1	80
LSC 60	8	68	23	161	.2	32	10	688	5.20	29	5	ND	1	22	1	2	2	46	.46	.11	15	35	1.10	87	.03	2	1.82	.06	.07	1	2
LSC 61	5	369	20	2350	.4	2	19	4592	8.40	33	7	ND	1	13	13	2	2	4	5.20	.01	4	1	.22	21	.01	3	.09	.01	.01	1	8
LSC 62	6	1845	10	684	1.5	2	15	4347	6.98	21	8	ND	2	66	3	2	2	25	5.51	.09	9	1	5.31	38	.09	2	3.33	.02	.01	1	5
LSC 63	4	606	11	135	.3	3	16	4944	7.65	6	12	ND	3	107	1	2	2	37	6.36	.10	13	1	5.02	7	.12	2	3.58	.01	.01	1	1
LSC 64	1	111	3	57	.1	14	11	1249	3.23	4	5	ND	2	80	1	2	2	79	2.34	.11	8	18	2.58	46	.19	2	3.10	.01	.05	2	1
LSC 65	1	33	7	83	.1	8	18	1190	4.29	2	5	ND	1	54	1	3	2	66	1.31	.10	8	7	2.74	26	.13	2	2.93	.04	.07	1	1
LSC 66	1	34	7	91	.1	5	11	954	4.06	2	5	ND	1	36	1	2	2	37	.58	.02	5	7	2.26	72	.18	2	2.61	.07	.14	1	1
LSC 67	1	28	6	46	.1	2	6	683	2.48	2	5	ND	1	51	1	2	2	24	1.57	.11	9	3	1.09	23	.16	2	1.60	.07	.04	2	1
LSC 68	1	19	5	47	.1	7	11	813	3.75	2	5	ND	1	60	1	2	2	42	1.14	.05	7	7	2.29	72	.20	3	2.65	.03	.12	1	2
LSC 69	1	1085	6	144	.6	8	12	1339	3.71	2	5	ND	1	73	1	2	2	64	2.33	.06	8	7	2.16	18	.16	2	2.35	.07	.03	1	2
LSC 70	4	6128	44	7445	5.8	2	38	4077	9.97	66	14	ND	2	28	52	2	2	20	6.32	.02	7	3	.90	13	.03	3	.73	.01	.02	1	33
LSN 21	1	93	7	84	.1	17	13	1021	5.82	4	5	ND	1	33	1	2	2	125	1.65	.12	8	15	2.29	19	.29	2	2.78	.08	.04	1	2
STD C/AU-0.5	20	61	37	139	7.0	74	28	1230	3.98	39	15	7	34	49	18	15	22	68	.51	.11	42	64	.88	185	.09	37	1.74	.09	.11	15	510

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH:(604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED JULY 3 1986
DATE REPORTS MAILED July 5/86

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : PULP
PT** PD** & RH** - 10GM FIRE ASSAY CONCENTRATION. HNO3 LEACHED.
AQUA REGIA DIGESTION. GRAPHITE FURNACE AA ANALYSIS.

ASSAYER ____D. Toye____ DEAN TOYE , CERTIFIED B.C. ASSAYER

SHANGRI-LA MINERALS PROJECT LIQUID SUNSHINE FILE# 86-1132 R PAGE# 1

SAMPLE	Pt** ppb	Pd** ppb	Rh** ppb
LSN-1	2	10	2
LSN-9	2	4	2
LSN-12	2	2	2
LSN-13	2	3	2
LSN-16	10	18	2
LSN-17	9	16	2
LSN-18	7	12	2
LSN-19	5	7	2
LSN-20	20	96	2

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED JULY 3 1986
DATE REPORTS MAILED July 5/86

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : PULP
PT** PD** & RH** - 10GM FIRE ASSAY CONCENTRATION. HNO3 LEACHED.
AQUA REGIA DIGESTION. GRAPHITE FURNACE AA ANALYSIS.

ASSAYER D Toye DEAN TOYE , CERTIFIED B.C. ASSAYER

SHANGRI-LA MINERALS PROJECT LIQUID SUNSHINE FILE# 86-1155 R PAGE# 1

SAMPLE	Pt** ppb	Pd** ppb	Rh** ppb
LSC 2	3	22	2
LSC 4	13	21	2
LSC 13	3	33	2
LSC 15	3	23	2
LSC 16	10	8	2
LSC 18	2	24	2
LSC 20	3	15	2
LSC 21	4	11	2
LSC 30	2	2	2
LSC 30A	2	2	2
LSC 31	2	10	2
LSC 32	2	2	2
LSC 33	2	16	2
LSC 39	2	2	2
LSC 42	13	26	2
LSC 43	9	20	2
LSC 44	21	37	2
LSC 54	3	7	2
LSC 55	6	8	2
LSC 56	14	19	2

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL -80 MESH AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUNE 17 1986 DATE REPORT MAILED: June 20/86 ASSAYER. D. Toye .DEAN TOYE. CERTIFIED B.C. ASSAYER.

SHANGRI-LA MINERALS PROJECT - LS FILE # 86-1024

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
LS 300S 1400W	1	50	6	66	.2	15	17	1170	7.15	2	5	ND	2	15	1	2	2	186	.28	.06	6	62	.36	60	.36	2	3.97	.01	.02	1	1
LS 300S 1350W	1	71	2	59	.1	25	21	805	5.60	10	5	ND	1	17	1	3	2	138	.47	.08	7	69	.51	44	.37	5	5.75	.01	.01	3	1
LS 300S 1300W	2	61	2	86	.2	17	29	879	4.76	19	7	ND	1	11	1	2	2	120	.21	.07	14	42	.29	45	.23	4	4.33	.01	.02	2	2
LS 300S 1250W	2	64	6	156	.3	21	15	1267	4.32	70	5	ND	1	42	1	2	2	79	2.52	.09	4	31	1.48	76	.12	4	2.31	.02	.03	9	5
LS 300S 1200W	1	40	2	39	.2	4	9	200	7.60	6	5	ND	1	9	1	3	2	222	.17	.04	2	63	.18	26	.36	2	3.77	.01	.02	1	2
LS 300S 1100W	2	83	19	138	.3	26	24	2337	6.32	56	5	ND	1	20	1	2	2	151	.69	.07	10	37	1.64	98	.09	2	3.94	.01	.03	1	8
LS 300S 1050W	4	52	2	217	.3	26	15	2495	5.77	69	6	ND	1	12	2	2	2	114	.34	.08	12	53	.41	70	.05	4	4.26	.01	.02	1	50
LS 300S 1000W	3	34	140	295	.2	31	19	1255	8.77	336	5	ND	1	10	3	13	2	173	.23	.07	2	42	.56	43	.08	2	4.11	.01	.01	3	16
LS 300S 950W	3	25	45	168	.3	20	12	1755	6.77	50	5	ND	1	7	1	10	2	140	.36	.06	2	31	.46	35	.11	2	2.65	.01	.01	1	11
LS 300S 900W	1	43	13	100	.1	13	16	340	6.83	42	6	ND	2	8	1	3	2	170	.27	.10	2	47	.54	28	.21	2	4.06	.01	.01	1	3
LS 300S 850W	5	55	29	112	.3	15	18	1028	6.21	67	5	ND	1	8	1	2	2	137	.28	.09	3	25	.79	54	.01	2	4.07	.01	.02	1	2
LS 300S 800W	6	34	18	235	.8	24	13	8727	3.69	151	8	ND	2	36	2	4	2	80	2.27	.25	2	14	2.60	105	.01	5	3.39	.01	.01	1	21
LS 300S 750W	5	82	2	241	1.0	18	19	1285	5.53	200	5	ND	1	6	1	5	2	113	.12	.13	2	53	.37	36	.13	2	5.24	.01	.01	1	5
LS 300S 700W	11	63	2	148	.5	26	11	750	5.68	193	5	ND	1	5	1	7	2	99	.05	.13	2	56	.40	42	.05	2	4.81	.01	.02	1	2
LS 300S 650W	9	71	177	415	1.0	16	17	2168	6.32	371	5	ND	1	9	1	4	2	138	.22	.11	4	95	.27	28	.27	2	4.44	.01	.01	1	1
LS 300S 550W	3	91	42	215	.8	16	21	4253	4.62	50	7	ND	1	69	3	2	2	94	1.61	.10	4	37	.83	103	.13	2	4.18	.01	.01	3	3
LS 300S 500W	5	165	11	320	.1	35	36	13105	6.00	89	10	ND	1	24	2	2	8	231	1.11	.14	50	31	.86	151	.06	2	3.36	.01	.01	1	1
LS 300S 450W	1	20	6	61	.3	7	4	1667	2.43	4	5	ND	1	19	1	2	2	79	1.66	.07	2	20	.15	23	.12	3	1.39	.01	.03	1	1
LS 300S 400W	2	37	2	103	.1	6	9	538	4.89	32	5	ND	1	22	1	2	2	120	1.76	.05	2	9	.16	97	.19	2	1.45	.01	.01	1	6
LS 300S 350W	2	61	4	136	.5	32	14	621	5.10	13	5	ND	1	10	1	2	2	152	.34	.11	4	116	.44	21	.28	2	5.68	.01	.02	1	2
LS 300S 300W	1	22	5	26	.4	6	7	126	7.28	11	5	ND	1	8	1	3	2	196	.12	.03	2	37	.09	15	.38	2	2.88	.01	.01	1	2
LS 300S 250W	2	41	6	168	.3	8	9	1417	3.10	24	14	ND	1	32	1	2	2	52	2.66	.09	5	27	.19	36	.09	6	2.13	.02	.02	1	1
LS 300S 200W	1	15	2	31	.1	9	6	1309	2.04	10	5	ND	1	94	1	2	2	55	.91	.06	2	14	.37	12	.17	2	1.09	.01	.01	1	1
LS 300S 150W	2	129	7	177	.2	32	22	2854	4.18	23	5	ND	1	60	1	2	2	79	2.05	.10	4	37	1.32	89	.17	6	3.07	.01	.03	1	2
LS 300S 100W	1	40	2	128	.3	17	20	698	6.23	18	5	ND	1	15	1	3	2	106	.46	.05	5	40	.33	36	.28	2	4.57	.01	.01	1	2
LS 300S 0W	1	10	7	24	.1	1	6	176	5.63	7	5	ND	1	22	1	3	3	215	.29	.03	2	25	.16	7	.47	2	.97	.01	.01	1	4
LS 350S 0W	2	64	16	365	.2	30	33	1314	6.46	116	5	ND	1	12	1	2	2	139	.38	.04	2	71	1.06	28	.24	6	4.50	.01	.02	1	2
LS 400S 1550W	1	35	10	56	.1	12	13	632	5.32	2	5	ND	1	17	1	2	2	117	.24	.04	2	41	.32	64	.13	2	2.15	.01	.03	1	4
LS 400S 1500W	1	37	8	116	.1	22	23	2082	6.51	5	5	ND	1	22	1	2	3	153	.38	.05	2	60	.52	74	.43	2	2.27	.01	.02	1	2
LS 400S 1450W	1	38	2	82	.2	19	17	958	7.26	4	6	ND	1	23	1	2	6	178	.47	.05	2	59	.52	79	.45	2	2.61	.01	.03	1	2
LS 400S 1400W	1	71	15	75	.2	17	18	572	7.42	6	5	ND	1	12	1	2	2	171	.26	.08	2	70	.28	53	.36	2	4.68	.01	.01	1	1
LS 400S 1350W	1	42	15	52	.1	10	14	575	5.58	13	5	ND	1	17	1	3	2	150	.55	.05	6	52	.24	33	.30	6	3.13	.01	.01	3	2
LS 400S 1300W	2	62	2	79	.2	22	32	2873	5.74	27	5	ND	1	17	1	2	6	109	.39	.07	3	52	.46	56	.18	2	5.08	.01	.02	1	1
LS 400S 1200W	1	37	2	32	.2	4	6	151	8.01	7	5	ND	2	7	1	2	2	207	.14	.05	2	78	.15	15	.39	2	3.71	.01	.01	1	1
LS 400S 1100W	3	78	15	143	.2	23	22	2300	5.42	50	5	ND	1	19	1	2	2	116	.75	.06	7	40	1.17	89	.06	4	3.51	.01	.03	1	4
LS 400S 1050W	4	41	31	208	.1	27	14	1104	5.88	84	5	ND	1	7	1	6	2	110	.17	.07	8	51	.40	56	.04	2	4.06	.01	.01	1	2
STD C/AU-0.5	20	59	40	138	7.1	73	31	1211	3.94	41	20	7	33	50	18	15	21	62	.48	.11	37	63	.88	187	.09	41	1.73	.07	.11	12	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
LS 400S 1000W CB10	1	32	8	136	.1	18	19	604	6.24	72	5	ND	1	13	2	3	3	144	.45	.09	10	47	.39	25	.16	2	4.36	.01	.02	1	3
LS 400S 950W CR10	2	49	92	300	.2	11	16	981	7.31	58	5	ND	1	5	1	8	3	151	.10	.06	9	22	.42	26	.02	6	2.98	.01	.01	1	4
LS 400S 900W	6	16	140	933	.1	15	12	5132	7.21	51	10	ND	1	14	3	9	2	95	.61	.09	16	24	.72	48	.10	7	3.85	.01	.02	1	11
LS 400S 850W CG15	25	22	42	273	.4	15	14	6931	8.14	188	8	ND	1	7	1	8	6	165	.27	.13	10	30	1.77	23	.10	2	3.64	.01	.02	1	6
LS 400S 750W CB20	6	46	14	68	.8	6	11	337	6.01	130	5	ND	1	7	2	4	2	186	.08	.07	9	44	.25	33	.03	9	2.95	.01	.02	1	10
LS 400S 700W CB25	6	39	2	120	.5	15	10	639	4.93	32	5	ND	1	7	1	2	3	94	.08	.12	8	58	.41	27	.10	10	4.99	.01	.01	1	7
LS 400S 650W CB15	5	227	47	654	.9	13	31	1540	5.44	270	6	ND	1	11	2	6	3	109	.29	.11	16	70	.28	27	.26	8	5.13	.01	.01	2	4
LS 400S 600W CB20	4	103	24	499	.1	22	23	6524	5.33	80	6	ND	1	31	2	7	2	111	.97	.12	17	49	1.01	76	.10	10	3.55	.01	.02	1	125
LS 400S 550W CB20	4	68	55	255	.7	12	18	6070	5.25	51	5	ND	1	35	3	5	2	134	1.63	.08	12	47	.31	121	.22	12	2.28	.01	.01	2	5
LS 400S 500W CB30	3	108	46	591	.8	26	20	3291	5.11	91	10	ND	1	34	4	5	2	109	1.65	.12	10	52	.60	95	.13	3	3.88	.01	.02	1	3
LS 400S 450W CB20	9	132	85	777	.9	37	44	12788	8.18	81	9	ND	1	29	4	8	8	166	.68	1.01	26	100	.49	63	.18	8	5.28	.01	.03	1	6
LS 400S 400W CR20	3	24	13	201	.3	12	18	1422	7.44	23	6	ND	1	25	1	2	6	166	1.55	.08	5	51	.19	13	.33	7	3.95	.01	.02	1	2
LS 400S 350W CB20	3	80	2	606	.2	25	18	1847	5.73	84	5	ND	1	23	3	2	2	121	.38	.09	18	57	.31	51	.08	2	4.98	.01	.03	1	3
LS 400S 100W CB30	1	10	4	32	.1	5	4	124	4.90	12	5	ND	1	11	1	2	2	199	.28	.03	4	31	.07	11	.36	2	1.13	.01	.01	1	1
LS 400S 50W CB10	1	25	8	41	.1	6	8	852	7.19	94	5	ND	1	13	1	5	2	220	.66	.03	6	68	.24	17	.42	8	1.71	.01	.02	1	3
LS 400S 0W CB20	1	6	13	14	.1	4	3	284	3.02	12	5	ND	1	47	1	2	2	73	.65	.05	4	7	.19	21	.16	5	1.50	.01	.02	1	1
LS 450S 850W CR20	5	35	161	355	.3	27	19	1478	8.60	93	5	ND	1	11	1	4	6	134	.36	.17	4	46	.75	21	.18	2	4.17	.01	.02	1	5
LS 450S 800W	5	43	29	243	.5	30	17	1428	8.28	218	5	ND	1	9	2	8	12	201	.27	.08	14	74	.67	46	.09	5	4.14	.01	.01	4	8
LS 450S 700W CR25	1	34	17	46	.2	4	9	237	7.62	19	5	ND	1	6	2	5	6	169	.05	.06	9	44	.35	40	.01	2	3.15	.01	.02	1	1
LS 450S 677W	7	60	38	429	.3	31	13	1555	3.54	55	5	ND	1	26	2	2	4	54	1.31	.17	13	52	.62	84	.03	4	2.01	.01	.03	1	2
LS 450S 650W CR20	2	30	2	52	.2	34	15	436	7.77	10	5	ND	1	9	1	7	5	210	.15	.07	7	138	1.55	19	.17	3	2.91	.01	.03	1	4
LS 450S 625W	6	62	30	359	.5	33	13	1316	3.72	93	5	ND	1	29	2	4	2	68	1.19	.17	10	50	.60	84	.05	2	2.22	.01	.03	1	2
LS 450S 600W CB25	9	25	16	161	.4	24	8	401	3.66	118	5	ND	1	12	1	2	2	65	.32	.24	7	50	.21	63	.01	3	2.33	.01	.02	1	1
LS 450S 550W CB25	4	41	7	167	.2	17	12	536	3.67	436	5	ND	1	17	2	7	2	23	.91	.12	16	17	.27	92	.01	2	2.04	.01	.02	1	1
LS 450S 500W CB30	5	62	22	623	.7	28	12	3893	3.96	170	13	ND	1	25	5	5	2	77	1.63	.19	17	61	.34	154	.02	3	3.29	.01	.03	2	1
LS 450S 460W CB20	6	170	139	541	.8	23	25	3453	5.53	61	5	ND	1	86	3	4	2	115	1.58	.14	10	33	.84	78	.18	4	3.65	.02	.03	1	3
LS 450S 450W CB20	5	93	8	213	1.8	12	17	1830	6.48	264	5	ND	1	11	2	8	2	136	.19	.09	16	63	.17	29	.14	5	4.37	.01	.02	1	2
LS 450S 0W AG35	2	14	19	246	.1	4	15	5128	2.32	27	5	ND	1	21	2	2	2	31	1.76	.06	5	7	.52	69	.03	2	.98	.01	.01	1	2
LS 500S 1100W CB30	2	6	95	591	.1	7	4	2414	1.95	64	5	ND	1	9	2	3	4	67	.43	.03	2	10	.76	23	.01	2	1.05	.01	.01	1	2
LS 500S 1050W CR40	2	62	1137	1290	2.5	32	26	2356	6.53	110	5	ND	1	20	6	11	2	188	1.32	.07	14	69	1.76	29	.11	3	4.53	.01	.02	1	19
LS 500S 1000W CR30	1	50	40	188	.3	27	19	1363	5.75	40	5	ND	1	13	1	8	2	147	.49	.07	12	48	.74	29	.21	6	4.48	.01	.02	3	4
LS 500S 950W CB25	2	34	47	367	.9	20	15	6113	8.43	64	9	ND	1	25	3	8	6	115	1.54	.14	19	22	1.08	104	.03	6	5.18	.01	.03	1	8
LS 500S 900W CR15	2	29	11	185	.4	25	16	2047	7.02	34	5	ND	1	12	2	4	6	122	.74	.07	14	30	.55	38	.10	2	4.19	.01	.02	1	4
LS 500S 850W CR30	3	49	34	272	.4	25	16	2828	7.45	80	6	ND	1	43	2	7	6	88	3.29	.12	14	35	1.26	67	.07	2	2.89	.02	.05	1	2
LS 500S 800W CB05	2	31	13	159	.6	22	13	1923	6.00	42	8	ND	1	31	2	8	3	121	3.63	.09	14	32	.56	51	.05	2	3.14	.01	.02	3	1
LS 500S 750W CR50	1	31	7	108	.4	20	14	710	6.61	24	9	ND	2	17	1	5	6	151	.72	.07	12	49	.73	35	.23	2	4.77	.01	.02	1	4
STD C/AU 0.5	21	60	40	135	7.0	73	31	1183	3.93	42	16	8	32	47	19	18	19	59	.48	.11	39	61	.88	177	.08	40	1.73	.06	.11	14	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
LS 500S 700W CB20	1	29	11	51	.2	8	9	211	5.47	9	5	ND	1	9	1	3	2	158	.13	.08	5	27	.27	70	.02	2	3.32	.01	.03	1	2
LS 500S 650W CR30	3	36	25	122	.3	26	11	199	4.56	68	5	ND	1	5	1	4	6	104	.09	.06	10	70	.41	40	.03	4	4.10	.01	.02	2	2
LS 500S 600W CB30	3	22	16	75	.2	7	6	137	4.37	128	5	ND	1	7	1	3	2	76	.09	.05	4	62	.37	31	.01	7	3.14	.01	.01	1	1
LS 500S 550W CG40	6	35	13	148	.1	41	12	484	3.25	41	5	ND	1	7	1	2	4	44	.24	.10	13	67	.52	52	.01	2	2.82	.01	.01	1	4
LS 500S 500W CB25	2	11	9	76	.2	12	6	378	3.44	57	5	ND	1	9	1	2	2	54	.31	.07	6	45	.50	51	.01	2	1.67	.01	.02	2	36
LS 500S 450W CB30	1	7	15	54	.5	13	3	115	2.70	24	5	ND	1	6	1	2	2	55	.07	.04	3	41	.18	32	.01	2	1.95	.01	.01	1	1
LS 500S 350W CB20	1	57	10	79	.7	14	9	643	4.40	13	5	ND	1	7	1	2	2	123	.15	.07	6	42	.24	18	.23	2	3.92	.01	.01	1	1
LS 500S 300W CR20	2	47	27	215	.3	4	21	5771	5.76	30	5	ND	1	21	1	2	2	94	.40	.15	10	16	.14	21	.22	7	3.47	.01	.01	1	4
LS 500S 250W CR20	3	46	102	330	.5	7	29	6325	8.08	36	5	ND	1	19	1	7	2	135	2.73	.10	6	37	.11	14	.30	4	2.39	.01	.01	1	5
LS 500S 200W	6	15	29	83	.3	5	25	4169	6.58	21	5	ND	1	55	1	4	2	162	.56	.09	6	33	.11	29	.34	9	1.50	.01	.01	1	1
LS 500S 150W CR30	2	17	26	117	.1	9	13	3125	4.44	40	5	ND	1	30	1	2	2	100	.81	.09	5	17	.30	20	.07	2	1.61	.01	.02	1	1
LS 500S 50W CR15	2	20	7	82	.1	4	13	1009	7.27	55	5	ND	1	16	1	2	4	182	.30	.05	4	40	1.87	9	.30	14	2.59	.01	.01	2	2
LS 500S 0W CB25	1	50	11	96	.1	19	13	554	5.10	12	5	ND	1	13	1	2	2	132	.26	.08	4	57	.42	29	.31	2	4.96	.02	.01	1	1
LS 550S 0W CR25	2	26	2	58	.1	9	10	507	5.12	29	5	ND	1	12	1	3	2	150	.36	.12	7	56	.30	12	.32	8	2.69	.01	.01	1	2
LS 600S 1200W CB20	1	56	2	80	.1	12	12	529	3.75	10	5	ND	1	33	1	3	3	93	.46	.03	7	42	.57	68	.16	4	2.47	.01	.01	1	1
LS 600S 1150W CG20	1	196	19	147	.2	36	28	1465	2.38	7	5	ND	1	121	1	2	4	78	1.06	.05	4	104	.99	75	.22	2	1.31	.01	.01	2	1
LS 600S 1100W CR10	12	21	402	5987	.3	105	27	5728	11.78	874	5	ND	2	23	21	22	13	433	.66	.08	23	29	.95	73	.01	9	2.57	.01	.02	1	6
LS 600S 1050W CB40	2	60	272	1512	.4	24	13	5568	4.16	70	5	ND	1	33	10	4	3	82	1.65	.08	18	41	.75	118	.06	9	3.17	.01	.02	1	5
LS 600S 1000W AB15	1	24	305	949	.5	23	15	2601	5.36	77	5	ND	1	20	4	2	2	120	1.47	.08	13	42	.36	39	.07	4	3.80	.01	.01	1	12
LS 600S 950W AR20	1	27	1026	1731	.9	20	20	2136	6.71	36	5	ND	1	10	2	23	2	122	.19	.09	10	43	.19	32	.10	3	4.47	.01	.01	1	7
LS 600S 900W CR20	1	32	30	85	.1	21	13	418	5.05	16	5	ND	1	6	1	6	3	118	.16	.05	13	67	.45	40	.05	2	4.53	.01	.01	3	1
LS 600S 850W CB25	1	19	16	105	.1	15	11	2455	6.61	29	5	ND	2	29	1	2	2	131	3.22	.05	5	36	1.19	61	.18	4	2.66	.01	.01	1	1
LS 600S 800W CR20	5	26	80	419	.1	32	16	2488	10.34	163	5	ND	1	9	1	15	12	142	.51	.10	22	35	.95	25	.08	6	4.13	.01	.01	5	21
LS 600S 750W AR20	2	39	35	101	.3	18	19	647	6.93	59	5	ND	1	10	1	2	4	201	.34	.08	6	65	.28	22	.26	7	5.04	.01	.01	1	4
LS 600S 700W AR15	1	24	15	52	.5	10	9	220	6.47	12	5	ND	1	6	1	2	2	192	.12	.05	3	38	.37	36	.09	8	2.60	.01	.01	1	3
LS 600S 650W CB20	1	78	27	118	.3	22	29	2113	7.23	39	5	ND	1	25	1	2	3	133	1.91	.12	6	56	1.02	115	.01	7	3.33	.01	.03	1	3
LS 600S 600W CB10	2	49	9	72	.1	30	14	327	5.66	72	6	ND	2	4	1	3	2	136	.11	.07	10	82	.65	31	.17	2	5.08	.01	.02	1	6
LS 600S 500W CB40	9	50	28	169	.2	37	17	818	5.11	203	5	ND	1	12	1	3	2	66	.31	.14	19	68	.66	68	.04	5	3.00	.01	.02	2	3
LS 600S 450W AB30	1	96	17	241	.1	36	20	2305	3.47	30	5	ND	1	50	1	2	9	63	2.22	.12	12	38	1.08	95	.09	6	3.01	.02	.02	1	1
LS 600S 400W AB20	2	57	20	183	.4	20	14	2127	4.03	81	5	ND	1	22	1	2	4	78	.68	.11	9	32	.41	54	.07	2	2.32	.01	.03	1	3
LS 600S 350W AB20	1	38	11	69	.2	15	13	884	4.72	46	5	ND	1	7	1	4	2	130	.18	.09	13	59	.25	16	.21	2	3.45	.01	.01	2	1
LS 600S 300W CG30	5	19	13	52	.2	8	3	107	1.84	74	5	ND	1	5	1	2	6	66	.05	.05	2	24	.04	22	.01	2	.84	.01	.02	1	1
LS 600S 250W CB60	2	375	23	1428	.9	71	26	1087	4.35	1179	8	ND	1	16	2	7	5	69	.51	.10	21	72	.61	52	.10	2	3.29	.02	.03	1	8
LS 600S 200W CR20	4	34	90	136	.1	10	14	1219	5.56	20	5	ND	1	20	1	3	2	148	.29	.09	7	32	.24	8	.34	4	2.71	.01	.01	1	2
LS 600S 150W CR10	5	73	24	151	.5	12	15	1044	5.52	31	5	ND	1	12	1	2	2	137	.15	.12	6	48	.40	21	.27	2	5.75	.02	.01	1	1
LS 600S 100W CB30	1	8	10	21	.1	5	4	162	3.12	9	5	ND	1	20	1	2	2	135	.24	.03	3	16	.10	8	.14	2	1.04	.01	.01	1	1
STD C/AU-0.5	21	60	41	141	7.2	72	31	1231	3.94	38	19	8	34	45	19	17	21	63	.48	.11	40	63	.88	182	.09	38	1.71	.07	.11	12	495

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
LS 600S 50W CR20	1	11	18	35	.1	4	6	177	5.09	11	5	ND	1	8	1	2	4	195	.18	.02	2	27	.09	9	.32	5	1.13	.01	.01	1	2
LS 600S 0W CG20	2	9	17	12	.1	1	2	228	1.37	11	5	ND	1	28	1	2	5	108	.33	.04	3	8	.08	7	.33	6	.58	.01	.01	1	1
LS 650S 0W CB30	1	28	3	38	.1	10	7	184	5.12	28	5	ND	1	9	1	2	2	149	.25	.03	2	47	.33	11	.32	8	2.01	.02	.02	1	1
LS 700S 1200W CR30	1	35	86	363	.2	24	16	909	5.62	37	5	ND	1	18	1	3	2	128	.79	.05	4	46	.57	48	.19	3	2.73	.01	.02	1	1
LS 700S 1150W CR50	1	43	14	110	.2	17	13	275	6.25	11	5	ND	1	15	1	2	2	182	.36	.04	2	52	.31	33	.29	6	2.49	.01	.02	1	1
LS 700S 1125W	4	78	50	567	.3	44	22	2767	5.85	80	5	ND	1	24	3	5	2	127	1.33	.07	13	53	1.46	83	.16	9	3.03	.02	.03	1	6
LS 700S 1100W CR35	1	22	46	494	.2	19	18	2897	5.09	27	5	ND	1	26	2	2	2	111	1.53	.05	12	49	.47	78	.22	7	2.52	.01	.02	1	1
LS 700S 1050W CB35	3	43	138	964	.6	46	18	8347	6.10	43	9	ND	1	26	8	4	2	97	1.76	.10	13	73	.64	113	.12	11	3.55	.01	.02	1	3
LS 700S 1000W	1	56	40	337	.3	26	20	762	6.20	30	5	ND	2	7	1	2	3	178	.23	.09	5	72	.43	23	.35	6	5.53	.01	.01	1	10
LS 700S 950W CG20	2	30	509	821	.9	19	12	1959	3.51	42	5	ND	1	19	5	2	2	99	.71	.08	11	43	.84	85	.01	2	3.27	.01	.04	1	13
LS 700S 900W CR40	1	35	290	614	.6	8	13	1736	6.28	39	5	ND	1	54	4	14	2	97	1.51	.08	11	20	.14	87	.01	9	2.62	.01	.02	2	2
LS 700S 850W CR35	1	39	2	60	.1	10	12	511	6.01	10	5	ND	1	7	1	2	2	170	.17	.06	2	57	.22	20	.28	2	3.67	.01	.01	1	2
LS 700S 800W CB25	1	16	42	314	.3	17	11	3426	6.16	27	11	ND	1	20	1	4	4	79	1.04	.11	5	29	.29	52	.12	2	2.75	.01	.02	1	2
LS 700S 750W CR20	2	48	2	158	.1	12	12	542	5.05	38	5	ND	1	10	1	2	2	102	.27	.07	5	38	.45	88	.01	3	2.62	.01	.04	1	2
LS 700S 700W CB25	6	67	17	267	.1	34	19	2471	4.41	83	5	ND	1	17	2	2	2	79	.43	.11	15	52	.70	77	.03	4	2.87	.01	.03	1	3
LS 700S 690W	5	57	20	242	.1	30	14	1223	3.93	51	5	ND	1	26	2	3	2	70	1.13	.14	6	46	.99	78	.03	8	2.25	.01	.04	1	2
LS 700S 650W CR30	2	38	4	109	.2	16	16	387	5.25	38	5	ND	1	6	1	3	2	115	.08	.07	5	60	.18	29	.11	8	5.12	.01	.01	1	2
LS 700S 600W CB30	2	14	11	79	.1	30	11	480	3.83	62	5	ND	1	9	1	3	3	67	.42	.04	12	73	.46	47	.01	2	3.06	.01	.02	1	4
LS 700S 570W	3	72	28	225	.2	32	15	1214	4.32	46	5	ND	1	48	1	2	4	87	1.95	.11	7	46	1.56	55	.17	2	2.37	.03	.04	1	1
LS 700S 535W AN50	2	47	2	131	.1	20	12	1518	2.51	40	5	ND	1	29	1	2	5	45	1.14	.07	5	27	.67	56	.06	2	1.78	.01	.02	1	2
LS 700S 500W CB25	2	33	23	137	.1	23	17	888	4.10	224	6	ND	1	10	2	2	4	70	.28	.07	10	61	.58	68	.01	2	3.01	.01	.02	1	2
LS 700S 450W CB20	1	14	14	96	.1	14	17	1061	4.23	232	5	ND	1	10	1	3	2	96	.38	.07	7	45	.35	62	.01	7	2.10	.01	.03	1	1
LS 700S 400W AR20	1	56	2	68	.1	23	17	566	4.31	12	5	ND	1	9	1	2	4	125	.30	.04	6	59	.54	22	.28	2	4.37	.01	.01	1	2
LS 700S 350W CB15	1	15	7	149	.1	32	8	3234	3.38	26	5	ND	1	17	1	3	2	42	1.10	.23	24	50	.84	72	.01	6	2.47	.01	.03	1	2
LS 700S 300W CR10	8	66	35	246	.1	11	17	1517	5.96	302	5	ND	1	7	1	8	2	122	.12	.10	12	44	.28	35	.04	6	3.37	.01	.03	1	5
LS 700S 250W CB50	22	51	50	210	.8	25	16	684	5.87	522	5	ND	1	3	1	17	2	43	.04	.11	7	42	.36	56	.01	2	2.82	.01	.04	1	13
LS 700S 200W CB10	2	76	4	67	.6	15	11	609	5.88	228	5	ND	1	7	1	3	2	129	.18	.08	5	59	.34	21	.22	2	4.47	.01	.02	1	8
LS 700S 150W CB05	5	62	5	79	.4	20	14	631	4.73	40	5	ND	1	12	1	3	2	94	.20	.10	9	43	.56	19	.20	3	5.57	.01	.02	3	2
LS 700S 100W CB5	3	5	19	69	.1	6	13	952	4.02	14	5	ND	1	37	1	3	5	121	.69	.06	4	18	.29	12	.20	2	1.04	.01	.02	1	1
LS 700S 50W CG20	1	2	5	10	.1	3	1	69	.63	2	5	ND	1	19	1	2	3	74	.22	.02	2	6	.05	5	.13	2	.35	.01	.02	1	1
LS 700S 0W CB25	1	23	2	39	.1	25	9	593	2.92	7	5	ND	1	26	1	2	5	99	.36	.07	3	16	.09	21	.15	4	1.42	.03	.03	1	1
LS 750S 0W CR15	1	54	32	145	.3	4	16	1367	7.15	25	5	ND	1	18	2	6	4	166	1.04	.06	14	15	1.00	38	.13	7	3.26	.01	.01	1	1
LS 800S 1100W AB15	1	80	10	82	.2	41	23	1141	5.62	15	5	ND	1	18	1	2	2	153	.38	.04	6	76	1.10	67	.29	7	3.46	.01	.04	1	1
LS 800S 1050W AG20	1	97	18	98	.2	45	21	1015	5.38	10	5	ND	1	40	1	2	2	148	.72	.04	8	73	1.27	63	.36	5	2.89	.02	.04	3	2
LS 800S 1000W AR60	2	67	231	877	.4	48	26	2626	7.08	40	5	ND	1	17	4	8	2	128	.84	.09	18	66	.51	47	.24	4	5.19	.01	.01	3	3
LS 800S 950W AR30	1	37	109	401	.2	24	12	993	4.71	40	5	ND	1	17	1	2	2	121	.76	.07	5	43	.45	35	.16	2	3.15	.01	.02	1	7
STD C/AU 0.5	22	60	35	138	7.3	74	30	1209	3.98	36	21	8	33	49	19	15	19	62	.48	.11	37	64	.88	186	.08	36	1.73	.07	.12	13	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
LS 800S 900W CB45	3	26	652	2771	.8	41	17	6085	7.78	183	7	ND	2	40	17	6	2	197	2.09	.23	19	45	.48	63	.07	6	4.47	.01	.02	1	8
LS 800S 850W CB35	2	37	25	131	.1	9	14	936	6.18	34	5	ND	1	21	1	2	2	134	.58	.08	5	22	1.00	70	.01	5	2.76	.01	.02	1	1
LS 800S 800W CR25	1	75	11	112	.1	13	17	711	7.30	40	5	ND	1	6	1	2	4	97	.19	.07	6	32	1.55	54	.01	2	4.69	.01	.02	1	3
LS 800S 750W CB40	2	23	67	271	.1	14	14	996	4.08	29	5	ND	1	18	1	2	2	73	.68	.06	5	17	.51	48	.01	3	2.48	.01	.02	1	3
LS 800S 700W CB20	3	12	22	184	.1	11	4	6314	4.25	30	5	ND	1	18	1	2	2	141	1.32	.06	2	8	.62	95	.02	6	.85	.01	.01	1	1
LS 800S 650W CR30	1	75	7	83	.1	29	15	732	5.71	56	5	ND	1	11	1	2	5	112	.20	.05	5	55	.62	36	.07	3	3.30	.01	.01	1	3
LS 800S 550W CB25	2	124	11	99	.1	40	21	2425	5.94	191	8	ND	1	12	1	2	2	104	.27	.06	14	72	.72	117	.03	2	3.26	.01	.03	1	3
LS 800S 500W CB15	1	422	10	81	.1	108	49	1844	8.93	17	5	ND	1	10	1	2	4	148	.24	.09	6	96	1.82	39	.01	2	4.02	.01	.03	1	7
LS 800S 450W CR50	1	76	4	41	.1	30	22	1048	7.61	8	5	ND	1	5	1	2	2	126	.05	.14	5	100	.30	23	.01	2	2.71	.01	.02	1	3
LS 800S 400W CB20	1	40	10	83	.1	8	16	1024	7.58	19	5	ND	1	5	1	2	2	97	.06	.12	6	26	.39	68	.01	2	3.29	.01	.02	1	3
LS 800S 350W CB30	1	4	2	23	.1	8	3	113	2.44	6	5	ND	1	4	1	2	3	62	.02	.06	2	34	.34	22	.01	4	1.37	.01	.01	1	1
LS 800S 300W CR40	2	43	6	49	.2	19	14	273	6.39	16	5	ND	1	5	1	2	2	141	.08	.07	5	120	.39	32	.03	6	4.92	.01	.02	1	1
LS 800S 250W CG20	8	63	9	233	.8	81	14	1910	4.16	452	5	ND	1	28	4	9	3	38	.99	.29	27	37	.58	67	.01	4	1.50	.01	.03	1	2
LS 800S 200W CB30	2	59	7	102	.5	13	19	2708	5.60	69	5	ND	1	30	1	2	2	77	1.60	.08	13	21	1.24	177	.05	4	3.29	.01	.03	1	6
LS 800S 150W CB40	2	20	14	114	.3	28	14	903	4.75	18	9	ND	1	22	1	3	2	108	1.87	.11	5	49	.17	23	.19	3	4.86	.01	.01	1	2
LS 800S 100W CG60	1	16	11	20	.1	5	2	159	1.76	4	5	ND	1	26	1	3	2	89	.46	.03	2	13	.15	23	.18	6	.37	.01	.02	1	1
LS 800S 50W CB35	1	16	14	128	.1	16	12	1964	4.84	43	5	ND	1	16	1	2	2	111	1.01	.05	4	29	.63	28	.15	3	2.98	.01	.01	1	1
LS 800S 0W CR20	1	45	7	39	.2	12	9	453	6.76	11	5	ND	1	14	1	2	2	187	.76	.04	4	54	.31	22	.32	5	4.03	.01	.01	1	17
LS 800S 50E CR20	1	29	16	93	.1	17	12	425	6.97	109	5	ND	1	17	1	2	2	197	.51	.03	4	40	1.27	20	.32	2	2.71	.01	.01	1	2
LS 800S 100E CB20	2	8	7	25	.1	4	2	118	3.23	40	5	ND	1	10	1	2	2	117	.17	.02	2	12	.09	4	.26	2	.62	.01	.01	1	1
LS 800S 150E CR10	6	67	41	142	.1	11	12	1516	6.92	25	5	ND	1	15	1	2	2	126	.77	.05	2	18	1.88	22	.13	2	2.23	.01	.02	1	2
LS 800S 250E CR20	1	3	10	14	.1	1	4	445	5.05	19	5	ND	1	28	1	2	2	59	2.88	.03	2	9	.12	9	.16	2	.66	.01	.01	1	1
LS 800S 300E CG30	2	12	11	74	.1	5	4	143	2.97	17	5	ND	1	8	1	4	2	39	.20	.03	2	9	.53	7	.06	2	.63	.01	.02	1	1
LS 800S 350E CR25	10	19	70	138	.1	12	7	1479	4.49	22	5	ND	1	9	1	2	2	110	.20	.03	2	32	.15	20	.20	2	1.51	.01	.01	1	2
LS 800S 400E AG30	5	46	27	141	.1	2	52	8320	17.01	44	5	ND	1	18	1	2	4	261	.61	.31	2	37	.10	89	.10	2	2.02	.01	.02	1	1
LS 800S 450E CR35	1	5	3	7	.2	2	1	86	.21	2	5	ND	1	7	1	2	5	13	.11	.01	2	2	.01	9	.04	2	.16	.01	.01	1	1
LS 800S 500E CR20	3	25	7	168	.1	13	14	3265	6.32	42	5	ND	1	16	1	2	2	107	.43	.09	5	14	.64	46	.01	2	4.49	.01	.02	1	1
LS 800S 600E CR30	2	28	15	59	.1	12	8	316	4.18	19	5	ND	1	14	1	2	2	134	.27	.04	2	25	.32	15	.15	5	1.40	.01	.02	1	2
LS 800S 650E CR40	1	28	11	40	.1	8	7	187	4.43	9	5	ND	1	11	1	2	2	156	.09	.04	2	24	.20	38	.13	4	1.74	.01	.02	1	1
LS 800S 700E CR30	1	96	18	83	.2	43	20	2430	6.04	18	5	ND	1	37	1	2	2	133	1.47	.05	4	64	.49	54	.21	2	3.70	.01	.02	1	2
LS 800S 775E CR20	1	112	7	56	.1	31	14	198	9.80	6	5	ND	1	10	1	2	7	246	.17	.05	2	108	.58	10	.65	2	4.56	.01	.02	1	3
LS 800S 800E CR50	1	111	13	85	.2	48	25	1401	5.30	2	5	ND	1	47	1	2	2	91	1.85	.05	9	79	.44	59	.40	6	3.27	.01	.02	1	2
LS 800S 850E AB30	1	97	22	189	.1	26	15	2286	4.21	20	5	ND	1	37	1	2	3	74	1.80	.07	7	37	1.12	100	.13	5	3.62	.01	.02	1	1
LS 800S 900E CR35	5	27	18	180	.2	17	18	1088	5.59	32	5	ND	1	30	1	2	2	99	.73	.07	4	32	.74	25	.19	3	4.84	.01	.02	1	1
LS 800S 950E CR30	1	7	12	25	.1	7	4	99	3.74	6	5	ND	1	12	1	2	2	101	.23	.03	2	22	.05	24	.22	2	.35	.01	.01	1	1
LS 800S 1000E CR35	1	17	35	158	.1	10	6	269	6.12	45	5	ND	1	13	1	2	2	124	.26	.06	2	28	.18	14	.22	2	1.40	.01	.01	1	1
STD C/AU 0.5	20	60	41	129	7.0	70	27	1129	3.93	39	16	7	32	46	17	16	19	57	.48	.10	35	59	.88	174	.08	40	1.73	.06	.11	13	495

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
LS 800S 1050E CR20	3	266	24	181	.1	61	30	582	9.67	27	5	ND	1	9	2	2	2	214	.06	.09	2	111	.33	25	.04	8	4.34	.01	.02	1	10
LS 800S 1100E CR10	1	88	25	59	.1	26	15	1034	7.79	2	5	ND	1	28	1	2	4	298	.43	.07	2	176	.43	15	.98	5	1.27	.01	.03	1	3
LS 800S 1140E AB25	5	90	14	136	.1	43	69	8398	11.44	5	5	ND	1	42	1	2	6	238	.52	.15	2	82	.86	56	.31	13	3.22	.01	.02	1	1
LS 800S 1200E CN40	13	52	42	148	.1	11	15	2681	9.56	47	5	ND	1	84	1	6	2	159	2.32	.15	4	21	.62	41	.24	10	3.11	.01	.02	4	1
LS 800S 1250E CR25	6	72	37	351	.1	19	17	1141	7.02	22	5	ND	1	44	1	2	5	144	.55	.06	2	73	1.34	17	.39	8	3.32	.01	.02	4	2
LS 800S 1300E CB20	3	22	29	163	.1	11	12	2537	5.19	23	5	ND	1	40	1	2	2	78	.78	.07	2	15	3.34	49	.02	9	4.33	.01	.03	1	1
LS 800S 1350E CR40	11	29	49	121	.1	31	19	441	7.39	44	5	ND	2	33	1	2	5	113	1.26	.08	2	57	.87	18	.30	6	4.87	.01	.02	1	5
LS 800S 1400E CR35	6	127	84	559	.1	27	20	857	7.27	84	5	ND	2	15	1	10	2	104	.21	.06	4	64	1.09	20	.17	14	4.73	.01	.02	2	9
LS 800S 1450E CR30	1	27	25	103	.1	18	14	215	5.88	13	5	ND	2	18	1	2	3	144	.42	.08	6	66	1.34	18	.36	9	5.45	.01	.01	7	3
LS 800S 1500E CR50	16	84	130	445	.1	37	35	1515	9.10	130	5	ND	2	15	1	2	2	152	2.17	.08	5	61	.93	14	.39	4	4.18	.01	.02	1	3
LS 800S 1550E CR30	2	35	21	30	.1	8	7	183	8.62	2	5	ND	1	28	1	6	6	305	.32	.04	2	80	.10	10	.76	6	2.08	.01	.01	1	2
LS 800S 1600E CB20	3	449	35	67	.1	27	92	2166	4.59	14	5	ND	1	22	1	2	4	88	.57	.07	10	101	.20	14	.32	4	5.39	.01	.02	2	2
LS 800S 1650E CG30	2	27	64	457	.4	18	7	2134	2.73	51	5	ND	2	109	2	2	2	54	9.48	.05	4	17	.22	30	.12	6	1.61	.01	.02	1	2
LS 800S 1700E CR25	2	246	16	33	.1	24	14	181	8.63	2	5	ND	2	18	1	2	4	221	.22	.04	2	108	.18	13	.69	3	4.62	.01	.01	1	3
LS 800S 1750E CG20	1	6	11	12	.1	3	2	98	1.83	2	5	ND	1	11	1	2	2	105	.11	.01	2	15	.03	18	.20	3	.43	.01	.01	1	1
LS 800S 1800E CG20	1	1	6	11	.1	1	1	150	.55	2	5	ND	1	8	1	2	3	17	.08	.02	2	1	.01	11	.07	4	.18	.02	.02	1	1
LS 900S 950W CR40	1	169	266	856	.1	44	23	1104	6.42	22	5	ND	1	17	4	2	2	139	.51	.05	10	67	.86	22	.34	3	4.26	.01	.02	5	7
LS 900S 900W CR25	4	59	2009	3226	.8	51	22	3878	10.73	54	5	ND	2	14	14	12	5	163	.39	.12	2	61	.69	26	.30	8	3.98	.01	.01	3	31
LS 900S 850W CB20	3	133	506	1202	.3	72	36	3356	6.74	121	5	ND	1	54	11	2	4	129	3.45	.15	16	70	1.17	55	.15	4	4.11	.01	.03	1	10
LS 900S 800W CB25	1	93	54	204	.3	26	18	780	6.64	28	6	ND	1	31	3	4	2	143	1.02	.09	12	69	.28	58	.22	4	3.30	.01	.02	1	12
LS 900S 750W CR30	4	82	60	357	.1	29	19	1777	6.98	85	5	ND	2	17	2	5	3	150	.26	.07	6	76	.79	57	.12	5	4.06	.01	.03	1	3
LS 900S 745W	3	76	38	283	.1	39	19	1459	4.32	74	5	ND	1	35	1	2	2	93	1.30	.15	7	65	1.12	78	.08	7	2.41	.02	.04	1	3
LS 900S 720W	3	52	53	358	.1	33	13	1406	3.89	81	5	ND	1	24	2	6	2	85	.90	.10	7	55	1.23	74	.03	6	2.22	.01	.03	1	5
LS 900S 700W CR30	2	37	38	149	.1	12	8	223	7.26	36	5	ND	2	12	1	4	2	218	.22	.06	6	60	.24	46	.29	6	2.91	.01	.01	1	2
LS 900S 675W CR25	2	69	35	178	.1	26	23	497	6.26	62	5	ND	1	26	1	2	2	140	1.01	.08	16	78	.39	47	.27	2	5.39	.01	.01	1	1
LS 900S 660W	4	90	48	259	.2	31	17	1378	4.63	79	5	ND	1	53	2	2	4	96	1.83	.15	6	53	1.36	66	.14	6	2.57	.03	.05	1	3
LS 900S 610W	2	87	25	175	.2	31	17	1514	4.32	151	5	ND	1	47	1	13	2	97	1.88	.14	8	54	1.23	77	.13	5	2.45	.02	.04	1	4
LS 900S 600W AB35	1	89	29	123	.1	28	17	1898	3.89	81	5	ND	1	33	2	2	7	96	1.25	.08	8	46	.99	76	.16	4	2.48	.02	.02	1	4
LS 900S 550W	1	127	20	73	.3	39	22	755	8.81	9	5	ND	1	14	1	2	6	222	.25	.09	2	138	.67	36	.34	6	4.90	.01	.02	1	3
LS 900S 500W CR20	1	165	32	130	.1	43	35	2129	8.92	4	5	ND	1	22	1	2	2	209	.41	.08	2	120	.37	57	.21	2	3.89	.02	.03	1	2
LS 900S 450W CR20	1	162	34	87	.1	41	28	1160	10.35	2	5	ND	1	14	2	2	2	258	.20	.10	2	118	1.08	27	.59	10	4.42	.01	.02	1	9
LS 900S 400W CR30	1	138	25	93	.1	45	23	512	10.80	2	5	ND	2	13	2	4	2	248	.13	.10	2	96	.58	49	.31	2	5.32	.01	.02	1	2
LS 900S 350W CR40	1	83	7	65	.3	17	15	485	6.11	68	5	ND	2	21	1	2	2	130	.40	.05	13	18	1.03	110	.12	2	4.37	.03	.03	4	5
LS 900S 310W	5	57	14	169	.4	29	11	1388	3.43	117	5	ND	1	46	1	2	2	61	1.36	.14	6	39	.76	70	.09	2	1.96	.01	.03	1	3
LS 900S 300W CR20	1	31	29	43	.1	9	7	181	8.20	2	5	ND	1	15	1	2	2	238	.24	.05	2	101	.28	19	.61	3	2.17	.01	.01	1	1
LS 900S 250W CR20	1	56	31	53	.1	19	10	245	7.51	10	5	ND	1	15	1	2	2	225	.21	.06	3	107	.29	15	.58	5	3.82	.01	.01	1	17
STD C/AU 0.5	20	62	43	137	7.2	69	28	1227	3.99	40	19	9	42	61	22	15	21	59	.48	.13	43	72	.88	183	.11	41	1.73	.08	.14	15	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
LS 900S 200W CR20	3	52	26	154	.1	16	15	1331	7.27	37	5	ND	2	7	1	4	2	134	.21	.04	2	21	1.78	30	.01	10	4.03	.01	.01	1	2
LS 900S 150W CR20	4	22	62	229	.2	23	15	2871	6.47	49	5	ND	1	20	1	3	2	115	.91	.10	7	20	.38	47	.04	13	3.24	.01	.01	2	4
LS 900S 100W CB10	1	9	11	22	.3	5	5	882	4.79	4	5	ND	1	57	1	3	2	100	.54	.06	4	6	.30	11	.47	2	1.46	.01	.01	1	1
LS 900S 50W CR20	2	196	26	330	.3	21	26	1057	6.27	61	5	ND	1	10	1	4	3	131	.29	.06	3	63	.51	16	.31	6	5.00	.01	.01	1	16
LS 900S 25W CR25	1	66	14	66	.2	13	12	420	7.30	12	5	ND	1	9	1	3	3	195	.24	.06	2	79	.27	16	.36	10	4.00	.01	.01	1	5
LS 900S 0W CB20	2	138	35	298	.4	33	23	2276	4.83	60	5	ND	1	42	1	2	2	113	2.03	.09	2	47	1.46	62	.21	10	2.78	.02	.02	2	4
LS 900S 50E CB70	2	33	14	117	.1	10	14	4241	3.81	15	5	ND	1	22	1	2	2	65	1.63	.05	2	11	.31	21	.15	6	.91	.01	.01	1	4
LS 900S 100E CR35	1	9	4	29	.3	8	6	770	6.87	14	5	ND	1	15	1	2	2	118	3.60	.03	2	9	.09	8	.28	3	.49	.01	.01	1	1
LS 900S 150E CB40	3	64	14	468	.1	28	20	10426	4.62	36	10	ND	1	36	1	2	2	213	2.41	.13	9	29	.93	74	.12	9	2.63	.01	.01	1	14
LS 900S 200E GB25	1	7	2	27	.1	6	2	134	1.55	5	5	ND	1	6	1	2	2	107	.14	.02	2	7	.03	5	.13	2	.18	.01	.01	1	1
LS 900S 250E CR30	1	37	7	64	.1	11	10	946	5.18	6	5	ND	1	18	1	2	2	142	.39	.07	2	44	.27	22	.31	4	2.59	.01	.01	1	9
LS 900S 300E CR10	1	53	48	182	.2	10	23	4232	6.09	74	5	ND	1	36	1	4	2	141	1.36	.11	4	22	.39	42	.14	6	3.18	.01	.01	1	2
LS 900S 350E CR20	3	46	71	235	.1	16	13	1038	5.40	33	5	ND	1	21	1	4	2	106	.78	.05	2	26	.71	14	.21	8	3.14	.01	.01	1	6
LS 900S 400E CR30	1	19	14	125	.1	8	9	440	7.78	19	5	ND	1	19	1	2	2	166	.38	.05	2	30	.51	16	.34	9	2.22	.01	.01	1	2
LS 900S 450E CR20	1	16	9	41	.1	8	6	1136	3.03	4	5	ND	1	20	1	2	2	86	.26	.03	2	15	.07	19	.27	6	.68	.01	.01	1	1
LS 900S 500E CB70	1	34	22	339	.1	11	22	7159	6.02	23	5	ND	1	37	1	3	2	80	2.35	.05	2	24	.19	35	.17	6	1.95	.01	.01	1	2
LS 900S 550E CR20	1	37	19	45	.2	11	8	248	6.49	11	5	ND	1	17	1	2	2	174	.25	.04	2	52	.30	17	.37	7	3.03	.01	.01	1	2
LS 900S 600E CR15	1	246	17	126	.4	8	22	813	8.18	88	5	ND	1	31	1	2	2	118	.52	.06	2	26	.38	18	.25	7	3.71	.01	.01	1	7
LS 900S 650E CR25	1	26	28	185	.2	11	19	712	5.92	23	6	ND	1	31	1	2	2	128	.89	.07	2	23	.18	15	.25	4	4.88	.01	.01	1	1
LS 900S 700E CB30	1	22	18	193	.1	11	11	2588	5.15	44	5	ND	1	46	1	3	2	116	1.60	.08	9	13	.48	44	.06	9	3.08	.01	.01	1	1
LS 900S 740E	1	91	22	193	.2	34	15	3299	3.47	34	5	ND	1	55	1	2	2	60	2.91	.11	11	33	.68	85	.07	9	2.42	.01	.02	1	3
LS 900S 750E CR20	1	107	35	211	.2	35	31	1694	7.40	56	5	ND	1	23	1	3	2	160	.24	.06	10	59	.42	40	.33	9	3.80	.01	.02	1	2
LS 900S 815E CR20	1	51	17	36	.1	11	10	158	8.56	6	5	ND	1	14	1	2	2	259	.18	.03	2	68	.22	13	.70	2	2.44	.01	.01	1	1
LS 900S 850E CR50	1	77	21	70	.1	22	18	228	8.78	8	5	ND	1	22	1	2	4	263	.65	.04	2	107	.29	14	.81	8	3.46	.01	.01	1	1
LS 900S 890E	1	125	16	120	.1	83	27	1660	5.90	12	5	ND	1	40	1	2	2	149	1.67	.04	11	91	1.63	60	.45	2	3.12	.02	.02	1	1
LS 900S 900E CR25	1	105	14	48	.1	32	18	286	8.60	6	5	ND	1	8	1	2	2	251	.11	.05	7	116	.38	13	.82	8	5.79	.01	.01	1	4
LS 900S 925E CR05	1	61	10	41	.1	20	14	374	7.47	4	5	ND	1	18	1	2	5	259	.24	.05	6	99	.32	18	.72	10	2.26	.01	.02	1	3
LS 900S 950E CB15	2	37	25	116	.1	20	17	1994	5.87	28	5	ND	1	34	1	3	2	129	1.85	.07	16	46	1.21	41	.01	2	4.33	.02	.02	2	1
LS 900S 975E CR15	1	24	7	43	.1	6	12	242	7.89	6	5	ND	1	6	1	2	2	286	.07	.05	4	21	.44	27	.29	4	2.55	.01	.01	1	2
LS 900S 1000E CR40	1	35	6	112	.1	9	13	1303	5.21	13	5	ND	1	18	1	2	5	97	.29	.07	11	8	.78	85	.01	4	2.71	.01	.02	1	1
LS 900S 1025E CR20	4	380	44	692	.5	25	30	8170	6.04	63	5	ND	1	22	1	3	3	77	.48	.09	30	45	.98	131	.11	4	5.39	.01	.02	1	7
LS 900S 1050E CR20	1	13	2	70	.1	9	7	603	2.87	17	5	ND	1	67	1	3	2	76	.99	.02	9	24	1.00	131	.17	6	2.03	.01	.01	1	2
LS 900S 1075E CB10	1	20	9	73	.1	25	20	304	6.24	20	5	ND	1	11	1	2	2	214	.18	.05	11	110	1.19	28	.01	5	3.53	.01	.01	1	1
LS 900S 1100E CR20	3	22	52	130	.1	23	15	4731	5.63	49	5	ND	1	55	1	2	2	100	2.97	.11	12	62	.75	59	.09	5	2.82	.01	.02	1	1
LS 900S 1125E CR30	1	22	12	59	.1	9	13	748	6.14	24	5	ND	1	21	1	2	7	162	.26	.08	9	27	.75	30	.17	2	2.05	.01	.04	1	1
LS 900S 1150E CR45	1	21	23	103	.1	13	8	662	5.98	34	5	ND	1	13	1	2	2	121	.24	.07	11	16	.41	44	.10	4	2.31	.01	.01	1	4
STD C/AU 0.5	20	63	42	139	6.9	67	31	1219	3.95	43	20	8	34	50	16	16	19	62	.48	.11	42	62	.88	183	.09	39	1.73	.07	.12	15	500

SHANGRI-LA MINERALS PROJECT - LS FILE # 86-1024

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
LS 900S 1175E CB25	1	78	16	129	.2	9	15	1289	3.69	9	5	ND	1	60	1	3	2	65	.97	.11	14	15	.84	51	.09	7	3.56	.01	.02	1	2
LS 900S 1200E C650	1	53	8	57	.2	11	9	497	3.26	11	5	ND	1	29	1	2	2	114	1.05	.04	10	21	.92	38	.09	10	2.22	.01	.02	1	1
LS 900S 1250E CB30	5	20	19	86	.1	13	9	1003	3.78	23	5	ND	1	14	1	2	2	68	.23	.05	11	14	.40	46	.01	6	2.40	.01	.01	1	3
LS 900S 1300E CR35	10	43	41	163	.1	21	17	7080	7.95	39	5	ND	1	15	1	6	4	126	.55	.11	35	31	1.67	49	.06	5	4.69	.01	.01	5	2
LS 900S 1345E CR30	1	133	56	565	.1	19	25	1451	5.62	8	5	ND	2	55	3	2	5	109	.68	.05	21	42	.91	24	.32	9	4.87	.01	.01	1	1
LS 900S 1350E CR15	1	89	35	207	.1	32	22	711	5.41	36	5	ND	3	15	2	7	4	138	.34	.04	22	54	.88	27	.28	8	5.18	.01	.01	1	2
LS 900S 1385E	1	94	29	280	.1	22	22	3092	5.71	19	5	ND	2	55	2	5	2	110	3.38	.06	26	40	.81	69	.24	10	3.46	.01	.01	1	2
LS 900S 1400E CR30	12	1554	38	223	.8	9	21	2921	12.34	68	5	ND	3	34	2	5	14	73	2.36	.07	38	19	.55	25	.18	2	2.49	.01	.01	1	7
LS 900S 1450E CR40	4	34	29	140	.1	11	11	683	8.05	64	5	ND	2	15	1	2	2	146	1.58	.05	24	34	.20	19	.25	13	.90	.01	.01	4	2
LS 900S 1500E CR20	2	56	38	344	.1	33	15	2105	6.17	24	5	ND	2	27	1	2	3	141	1.29	.10	23	54	.46	30	.33	8	3.33	.01	.02	1	2
LS 900S 1550E CR25	9	23	37	121	.1	9	9	624	5.59	35	5	ND	1	27	1	2	2	77	1.11	.08	16	16	1.64	17	.01	5	3.26	.01	.01	1	1
LS 900S 1600E CR20	2	102	36	226	.1	20	20	552	7.99	37	5	ND	1	23	2	8	7	174	.60	.08	25	22	.66	34	.20	7	4.72	.01	.01	1	1
LS 900S 1650E C640	1	23	8	44	.1	15	6	441	4.33	2	5	ND	1	52	1	2	2	238	.53	.02	10	129	.19	8	.74	2	.63	.01	.02	1	1
LS 900S 1700E CR45	1	15	8	72	.1	7	8	431	7.21	18	5	ND	1	13	1	2	2	146	.91	.04	18	30	.17	10	.19	2	1.62	.01	.01	1	60
LS 900S 1750E C630	1	5	3	14	.1	4	1	110	.99	2	5	ND	1	19	1	2	2	29	.31	.02	4	4	.02	18	.10	2	.43	.01	.01	2	1
LS 1000S 760W AB20	2	75	22	228	.4	35	17	1402	4.00	112	5	ND	1	36	2	13	2	82	1.30	.10	16	47	1.06	63	.09	7	2.35	.01	.02	1	32
LS 1000S 750W	2	66	21	162	.2	31	17	1117	4.69	76	5	ND	1	31	1	4	2	109	1.09	.11	19	47	1.13	50	.15	4	2.07	.02	.03	2	90
LS 1000S 700W CR25	1	69	3	89	.3	18	17	651	7.34	161	5	ND	2	10	1	2	6	149	.19	.10	21	84	.26	35	.33	6	4.05	.01	.02	1	3
LS 1000S 650W CR25	1	42	13	87	.1	20	19	2058	6.70	6	5	ND	1	23	1	2	2	176	.49	.06	18	69	.24	59	.38	2	2.31	.01	.02	1	5
LS 1000S 600W CR30	1	48	18	91	.1	25	54	2520	7.90	8	5	ND	1	25	1	7	3	257	.64	.07	24	120	.34	44	.62	5	1.54	.01	.02	2	2
LS 1000S 550W CR20	1	67	22	73	.3	29	21	1190	5.66	8	5	ND	1	20	1	5	2	141	.59	.06	20	67	.44	35	.26	6	3.05	.01	.02	4	2
LS 1000S 500W CR30	5	172	304	1937	.5	103	39	4607	7.62	154	5	ND	2	27	7	7	7	167	1.22	.04	31	93	1.41	43	.05	11	3.48	.01	.03	1	4
LS 1000S 450W C610	1	15	17	42	.1	7	3	232	2.51	2	5	ND	1	40	1	2	2	157	.30	.03	8	19	.12	10	.48	5	.47	.01	.01	1	5
LS 1000S 400W CR20	1	35	9	64	.1	16	14	500	6.71	2	5	ND	1	23	1	2	3	262	.36	.03	17	45	.74	22	.40	2	1.74	.01	.02	1	1
LS 1000S 390W	1	108	17	131	.1	59	25	1273	6.22	17	5	ND	1	34	1	2	2	169	1.15	.05	17	101	1.55	37	.42	3	3.57	.01	.02	1	2
LS 1000S 350W CR20	1	46	2	53	.1	23	12	206	8.89	6	5	ND	1	9	1	7	10	276	.11	.03	22	124	.26	18	.51	9	2.58	.01	.01	2	6
LS 1000S 300W CB20	1	111	18	88	.1	41	20	1442	5.35	5	5	ND	1	22	1	2	5	145	.75	.06	16	89	.88	29	.34	2	3.99	.01	.02	1	6
LS 1000S 250W CR20	1	95	5	84	.1	37	21	1035	6.01	8	5	ND	1	23	1	7	7	181	.58	.06	15	89	.83	27	.43	2	3.69	.01	.01	2	2
LS 1000S 200W CR99	1	170	12	189	.2	41	26	465	7.50	9	5	ND	1	19	1	11	11	187	.18	.07	20	157	.67	29	.37	4	6.05	.01	.02	6	3
LS 1000S 150W CR10	1	36	2	52	.1	25	13	603	7.82	3	5	ND	1	15	1	2	4	331	.23	.03	12	116	.41	14	.70	2	1.44	.01	.02	1	1
LS 1000S 100W CR20	1	82	4	134	.2	51	22	675	7.49	7	5	ND	1	26	1	6	7	223	1.06	.06	21	131	.85	34	.53	8	3.25	.01	.01	1	2
LS 1000S 50W CB20	2	182	20	243	.1	48	29	2012	5.85	115	5	ND	1	40	1	4	3	129	1.06	.08	19	58	1.35	62	.08	2	3.86	.01	.03	2	3
LS 1000S 0W CR20	1	71	30	198	.1	14	19	662	6.68	14	5	ND	1	12	1	4	2	137	.17	.42	16	37	.39	86	.07	4	3.64	.01	.05	1	1
LS 1000S 0E CR20	1	40	190	1044	.1	34	19	1443	6.92	10	5	ND	1	36	3	2	3	166	.96	.05	14	55	1.20	59	.29	3	3.72	.01	.02	1	2
LS 1000S 50E CB20	3	86	33	234	.1	33	18	3034	4.68	48	5	ND	1	38	3	4	2	138	2.19	.11	14	50	.91	43	.20	5	2.74	.01	.02	1	225
LS 1000S 100E CB20	3	107	30	234	.8	44	18	1335	5.43	105	5	ND	1	17	2	11	3	147	.44	.10	23	72	.74	31	.21	2	3.80	.01	.01	1	14
STD C/AU 0.5	22	61	42	141	7.2	75	31	1243	3.95	35	16	7	35	52	18	6	20	63	.48	.11	42	66	.88	185	.09	37	1.73	.07	.12	14	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
LS 1000S 175E CB20	1	79	20	122	.6	23	124	6554	5.98	2	8	ND	1	12	2	5	2	142	.26	.12	9	45	.34	40	.23	4	3.53	.01	.02	1	1
LS 1000S 200E CB20	1	78	2	54	.1	13	9	284	6.57	2	5	ND	1	10	1	3	2	162	.18	.12	8	45	.18	20	.33	2	4.23	.01	.01	1	1
LS 1000S 250E CB20	4	27	8	51	.1	7	7	287	4.50	2	5	ND	1	20	2	2	2	132	.25	.08	4	25	.15	19	.28	5	1.72	.01	.01	1	2
LS 1000S 280E	1	68	2	213	.3	24	13	2256	3.87	4	5	ND	1	60	2	2	2	77	1.91	.17	5	40	1.53	29	.17	5	2.33	.01	.02	1	1
LS 1000S 300E CB50	1	214	23	683	.3	21	18	13108	5.16	79	6	ND	2	32	8	2	2	115	2.46	.16	19	38	.53	117	.15	6	4.77	.01	.01	1	1
LS 1000S 350E CB20	1	10	12	39	.1	1	7	753	5.68	2	5	ND	1	32	1	2	2	159	.64	.04	2	13	.21	10	.38	2	1.31	.01	.01	1	1
LS 1000S 400E CB35	3	28	43	59	.3	3	5	266	4.81	17	5	ND	1	14	1	2	2	149	.29	.04	3	25	.18	12	.27	6	.79	.01	.01	3	1
LS 1000S 450E CB10	1	150	42	387	.5	51	47	4898	5.19	49	5	ND	2	67	2	2	2	98	3.31	.08	6	42	.96	47	.19	7	2.88	.01	.02	1	6
LS 1000S 500E CB30	1	46	25	36	1.2	5	8	377	5.68	23	5	ND	1	21	1	2	2	164	.48	.07	5	15	.12	13	.31	3	1.14	.01	.01	1	5
LS 1000S 550E CB30	1	17	5	31	.1	2	7	430	6.05	2	5	ND	1	13	1	2	5	219	.31	.04	3	44	.20	12	.44	7	1.56	.01	.02	1	1
LS 1000S 600E CB20	1	9	33	59	.1	1	10	2412	7.94	11	5	ND	3	15	1	2	2	93	5.38	.04	2	8	.10	7	.19	4	.56	.01	.01	1	1
LS 1000S 650E CB20	1	22	23	103	.1	10	8	353	5.49	81	5	ND	1	17	1	2	2	104	.90	.02	3	29	.17	13	.24	2	1.44	.01	.01	1	8
LS 1000S 700E CB15	1	327	2	1098	.5	33	27	2583	5.47	64	5	ND	1	16	6	3	2	81	.88	.06	10	47	1.00	24	.19	4	3.13	.01	.02	1	19
LS 1000S 730E CB15	1	14	12	56	.1	8	5	349	2.46	2	5	ND	1	23	1	2	5	163	.54	.03	3	27	.44	20	.37	2	1.07	.01	.01	1	1
LS 1000S 780E CB15	1	34	11	38	.2	10	8	219	7.36	2	5	ND	1	7	1	4	12	329	.26	.03	6	151	.17	7	.87	2	1.96	.01	.01	2	3
LS 1000S 850E CB25	1	89	2	165	.2	41	35	3456	8.56	2	5	ND	1	20	2	4	2	173	.55	.10	8	88	.30	42	.41	6	5.23	.01	.02	1	2
LS 1000S 900E AB20	1	149	18	145	.1	23	21	2247	6.93	52	5	ND	1	17	1	2	2	104	1.18	.08	12	54	.65	33	.16	4	5.45	.01	.01	1	3
LS 1000S 950E CB30	1	33	39	205	.1	8	12	869	8.83	62	7	ND	2	25	2	2	3	190	1.72	.09	5	28	.27	31	.36	5	2.31	.01	.01	1	1
LS 1000S 1000E CB20	1	94	40	668	.3	18	21	9280	6.30	6	5	ND	3	39	6	2	2	61	5.13	.09	17	34	.25	145	.13	2	3.47	.01	.01	1	1
LS 1000S 1050E CB20	1	310	28	199	.3	48	27	876	7.17	25	11	ND	2	35	2	2	2	133	2.18	.08	15	96	1.04	82	.23	4	4.31	.01	.02	1	2
LS 1000S 1100E CB20	1	52	7	163	.7	23	13	2807	5.00	8	5	ND	1	34	1	2	2	111	1.61	.09	9	47	1.74	94	.02	2	4.14	.01	.02	1	2
LS 1000S 1150E	1	47	18	425	.2	15	11	584	7.20	2	5	ND	1	25	1	2	4	162	.38	.06	6	109	1.21	9	.41	6	3.78	.01	.02	2	1
LS 1000S 1200E CB25	1	76	2	72	.1	5	15	472	6.56	2	5	ND	1	11	2	2	2	127	.14	.10	7	11	.85	51	.02	5	5.60	.01	.02	1	1
LS 1000S 1250E CB20	2	30	39	379	.1	25	14	5485	5.27	31	5	ND	1	31	4	2	2	84	2.30	.17	11	30	2.18	104	.09	6	4.56	.01	.01	2	1
LS 1000S 1300E CB20	1	74	8	88	.1	20	20	1423	7.80	2	5	ND	1	17	2	2	2	157	.39	.19	8	36	1.89	52	.01	3	5.48	.01	.02	1	2
LS 1000S 1360E CB15	1	32	20	151	.1	26	12	2085	4.74	12	5	ND	1	17	1	2	2	86	.85	.11	7	41	.75	31	.16	4	3.70	.01	.02	1	7
LS 1000S 1400E	2	95	25	279	.2	30	18	3386	4.82	14	5	ND	2	61	2	2	2	65	4.01	.09	6	43	1.30	76	.14	2	3.03	.01	.02	1	1
LS 1000S 1450E CB15	2	35	3	51	.3	13	6	386	5.36	2	5	ND	1	29	1	2	2	150	.50	.03	7	113	.13	7	.51	5	.55	.01	.01	1	1
LS 1000S 1500E CB20	1	370	15	78	.1	58	33	497	11.34	2	5	ND	1	42	1	2	9	300	.47	.08	10	116	.62	16	.79	6	3.06	.01	.01	1	3
LS 1000S 1550E CB20	1	48	5	40	.1	17	11	325	8.04	2	5	ND	1	31	1	2	7	238	.50	.05	7	74	.28	15	.76	4	1.51	.01	.01	1	1
LS 1000S 1575E CB20	2	13	16	27	.5	7	7	246	5.57	2	12	ND	1	36	1	4	3	158	1.13	.04	4	49	.13	16	.55	4	.88	.01	.02	1	1
LS 1000S 1625E	6	16	3	16	.1	5	1	210	.83	4	6	ND	1	17	1	4	2	62	.19	.03	2	47	.06	11	.22	2	.36	.01	.02	3	1
LS 1050S 0E CB20	1	95	42	214	.1	55	25	1964	6.93	4	5	ND	1	25	1	2	2	167	1.01	.12	13	108	1.79	47	.17	2	4.49	.01	.02	2	1
LS 1050S 1000E CB30	2	55	84	454	.7	15	14	718	5.98	86	15	ND	2	26	1	7	2	93	2.04	.04	9	43	.68	42	.14	5	3.43	.01	.01	2	3
LS 1100S 50E CB20	1	43	39	219	.1	27	14	1855	7.02	4	5	ND	1	21	2	4	2	192	.84	.12	14	46	1.12	29	.34	2	3.65	.01	.02	1	14
LS 1100S 75E	2	91	19	161	.2	45	22	3115	5.03	16	6	ND	1	53	1	2	5	106	2.00	.11	8	57	1.65	45	.26	3	2.59	.02	.02	6	2
STD C/AU 0.5	20	58	44	137	7.0	72	28	1294	3.96	43	18	7	32	38	26	16	21	59	.48	.14	36	65	.88	188	.08	39	1.72	.05	.10	12	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
LS 1100S 100E CB20	3	83	20	233	.4	22	19	2824	4.97	38	5	ND	1	61	1	6	2	134	3.47	.10	8	40	1.61	76	.19	8	3.11	.01	.03	3	4
LS 1100S 160E CB20	1	16	4	57	.3	31	12	605	7.53	18	5	ND	1	39	1	2	2	227	2.09	.03	2	81	.58	18	.63	7	1.64	.01	.01	1	1
LS 1100S 200E CB20	1	34	16	52	.1	15	11	243	9.85	2	5	ND	1	21	1	2	2	351	.39	.02	2	129	.12	13	1.32	2	.61	.01	.01	1	2
LS 1100S 250E CB20	2	141	2	88	.5	56	30	977	8.64	25	13	ND	1	39	1	3	2	190	1.64	.09	8	105	.52	62	.31	4	5.45	.01	.02	3	1
LS 1100S 300E CB20	2	76	6	65	.1	39	23	1105	4.93	42	5	ND	1	22	1	2	2	118	1.92	.07	10	76	1.03	34	.24	2	5.49	.02	.02	1	1
LS 1100S 350E CB20	2	33	5	156	.3	7	14	1787	6.43	22	5	ND	1	47	1	2	2	105	1.77	.05	11	10	1.56	20	.30	2	4.59	.01	.02	1	1
LS 1100S 400E CB30	2	101	46	351	.3	16	21	4690	5.91	62	5	ND	1	66	1	2	2	105	3.20	.07	4	37	.88	62	.23	10	3.17	.01	.02	1	2
LS 1100S 450E CB35	4	45	20	458	.4	19	9	11387	4.40	29	9	ND	2	47	3	2	2	210	4.79	.12	7	22	1.56	68	.10	10	3.44	.01	.02	1	1
LS 1100S 500E CB30	1	18	56	123	.4	3	10	1275	6.26	20	5	ND	1	35	1	3	2	131	1.76	.07	3	15	.25	23	.27	4	1.54	.01	.01	1	1
LS 1100S 550E CB20	27	85	65	556	1.0	56	23	3487	8.25	314	6	ND	1	46	3	3	2	562	2.19	.05	9	81	.76	51	.21	8	3.84	.01	.02	1	3
LS 1100S 555E	1	125	16	197	.1	44	20	1694	4.89	41	5	ND	1	68	1	2	2	101	1.96	.08	7	55	1.62	53	.28	6	2.54	.03	.02	1	1
LS 1100S 600E	1	4	7	14	.2	1	2	143	1.74	2	5	ND	1	14	1	2	2	95	.24	.01	3	8	.06	10	.26	2	.69	.01	.01	1	1
LS 1100S 650E CR25	3	67	13	41	.3	12	15	369	12.68	8	9	ND	1	57	1	2	5	448	.60	.03	2	108	.25	8	1.27	2	1.80	.01	.01	1	1
LS 1100S 700E	1	127	7	47	.3	29	17	317	11.97	11	8	ND	1	56	1	3	6	379	.58	.04	2	121	.61	10	1.13	2	2.06	.01	.01	1	1
LS 1100S 760E CR20	1	18	7	27	.2	6	6	237	6.70	3	5	ND	1	23	1	2	2	241	.26	.04	2	45	.20	10	.41	4	1.86	.01	.01	1	2
LS 1100S 800E	1	56	6	51	.1	30	11	355	8.40	6	5	ND	1	22	1	2	2	273	.26	.04	3	92	.58	17	.52	2	2.74	.01	.01	1	1
LS 1100S 850E CB30	1	77	8	147	.2	21	24	1712	5.51	16	5	ND	1	17	1	5	2	115	.30	.05	7	48	.42	39	.24	4	4.36	.01	.02	2	1
LS 1100S 900E	3	44	12	70	.1	23	17	410	10.17	2	5	ND	1	25	1	3	2	258	.40	.04	2	120	.40	22	.58	2	4.30	.01	.01	1	3
LS 1100S 925E	2	85	11	203	.3	34	20	3600	5.63	30	5	ND	1	45	1	2	2	110	2.07	.05	5	54	.82	115	.28	8	3.28	.01	.02	1	1
LS 1100S 950E CR20	1	22	20	34	.5	16	13	330	10.24	2	7	ND	1	18	1	2	2	412	.23	.02	2	122	.10	12	1.12	2	.49	.01	.01	1	1
LS 1100S 1000E CB25	3	11	19	27	.1	7	2	218	4.04	2	5	ND	1	48	1	2	2	182	.58	.02	2	45	.21	12	.51	2	1.26	.01	.02	1	1
LS 1100S 1050E CR20	2	147	14	156	.4	12	26	2028	6.26	7	5	ND	1	24	1	2	2	113	.49	.07	6	44	.32	70	.31	3	4.04	.01	.02	1	1
LS 1100S 1080E CR20	4	148	29	755	.6	32	22	4795	5.96	53	5	ND	1	41	5	2	2	102	1.40	.07	17	56	1.99	93	.17	2	4.72	.01	.04	1	2
LS 1100S 1150E CB20	4	36	56	396	.6	20	12	14743	5.18	22	9	ND	1	62	2	4	2	43	2.93	.35	13	29	.25	146	.10	7	3.93	.01	.02	1	1
LS 1100S 1200E CB70	3	198	34	395	.4	37	23	8935	5.09	28	5	ND	1	43	2	4	2	72	1.86	.11	14	32	.71	101	.12	6	4.17	.01	.02	3	1
LS 1100S 1250E CB25	2	59	15	158	.5	15	20	1188	6.21	25	5	ND	1	38	1	6	2	135	.71	.15	11	23	.74	88	.04	2	4.65	.02	.02	3	1
LS 1100S 1300E CR20	1	49	12	143	.1	15	19	1012	5.25	19	5	ND	1	47	1	2	2	99	.91	.11	5	43	.92	45	.15	2	3.05	.01	.01	1	1
LS 1100S 1350E CB20	2	172	276	950	.3	25	29	1551	7.57	29	5	ND	1	63	4	2	3	132	2.81	.09	6	35	1.91	33	.13	8	5.22	.01	.01	1	1
LS 1100S 1360E	2	54	2	160	.1	15	10	1503	2.48	16	5	ND	4	177	1	2	3	34	18.40	.04	4	23	.87	50	.10	6	1.67	.01	.01	1	1
LS 1100S 1380E CR15	1	38	6	30	.2	7	5	231	2.44	2	5	ND	1	64	1	2	2	85	.54	.03	3	33	.16	20	.28	2	1.08	.01	.01	1	2
LS 1175S 1000E CR25	4	53	12	101	.1	2	20	2350	14.61	37	8	ND	3	11	1	2	2	72	7.97	.05	2	15	.10	16	.11	2	.92	.01	.01	2	1
LS 1200S 600W CR20	1	45	24	68	.2	8	22	1214	8.04	7	5	ND	1	29	1	2	2	189	.52	.07	4	55	.22	29	.42	2	1.36	.01	.01	1	1
LS 1200S 550W CR10	2	52	10	58	.1	13	48	1934	8.18	12	5	ND	1	27	1	3	2	201	.91	.04	3	51	.26	29	.46	6	2.20	.01	.02	1	1
LS 1200S 500W CR20	1	22	17	27	.2	8	8	618	8.52	11	5	ND	1	38	1	2	2	246	1.17	.04	2	54	.19	11	.63	2	.78	.01	.01	1	12
LS 1200S 450W CB10	1	14	9	64	.1	7	1	129	.29	2	5	ND	1	38	1	2	2	8	.82	.07	2	5	.14	48	.02	5	.10	.01	.06	1	1
LS 1200S 350W CB10	1	33	20	78	.1	17	5	934	3.50	2	5	ND	1	26	1	2	2	127	.30	.08	6	36	.15	66	.30	2	1.26	.02	.02	1	1
STD C/AU-0.5	20	58	36	130	7.0	66	28	1145	3.93	39	20	7	32	47	17	17	19	57	.48	.10	37	59	.88	177	.08	37	1.73	.06	.11	14	505

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
LS 1200S 250W CB20	1	52	16	73	.1	22	47	1300	4.94	2	5	ND	1	26	1	3	2	106	.55	.04	2	49	.38	30	.36	7	1.73	.01	.01	1	1
LS 1200S 150W CR20	1	14	16	41	.1	16	6	325	2.58	4	5	ND	1	26	1	2	2	109	.57	.03	2	39	.24	16	.33	2	.63	.01	.02	1	1
LS 1200S 100W CR20	1	36	27	261	.1	35	21	1430	6.73	5	5	ND	1	34	1	2	2	190	.63	.04	2	108	.77	16	.58	2	1.92	.01	.02	1	1
LS 1200S 50W CR20	1	71	98	696	.3	26	23	1247	7.62	22	5	ND	1	21	1	2	2	156	.32	.05	5	58	.37	18	.43	2	4.11	.01	.01	4	19
LS 1200S 0W CR20	3	89	169	2541	.4	31	24	4252	8.17	28	5	ND	1	29	6	2	2	100	.77	.07	5	31	1.49	42	.24	2	4.51	.01	.01	1	4
LS 1200S 600E CN30	1	34	29	374	.1	8	10	1423	3.28	13	5	ND	1	47	1	2	2	53	2.71	.07	2	12	.37	55	.12	2	1.29	.01	.01	1	1
LS 1200S 610E	3	83	53	572	.2	47	34	5642	5.54	80	5	ND	1	52	3	2	2	91	2.21	.06	5	47	1.17	138	.21	10	3.00	.01	.01	1	1
LS 1200S 625E CB30	4	117	15	130	.3	27	37	7283	5.04	11	5	ND	1	15	1	2	2	50	.49	.09	2	38	.09	40	.10	2	2.39	.01	.01	1	2
LS 1200S 650E C620	14	10	15	17	.1	4	2	155	1.78	2	5	ND	1	14	1	2	2	64	.22	.02	3	9	.03	14	.22	2	.67	.01	.01	1	1
LS 1200S 670E	1	27	31	53	.4	21	21	894	9.78	2	5	ND	1	29	1	3	5	253	.49	.05	2	89	.23	12	.88	8	1.45	.01	.01	1	1
LS 1200S 700E CR20	1	398	24	42	.4	23	34	738	7.28	6	5	ND	1	34	1	3	2	229	.54	.05	2	77	.32	19	.84	2	1.35	.01	.01	1	1
LS 1200S 725E CR25	16	1753	37	72	4.6	2	46	2799	25.74	2374	5	ND	2	7	1	4	5	41	2.13	.10	2	17	.08	62	.10	2	.73	.01	.01	1	43
LS 1200S 750E CR20	6	276	23	67	.3	1	40	2728	13.90	174	8	ND	3	2	1	2	14	23	10.90	.04	2	9	.05	4	.03	2	1.08	.01	.01	1	2
LS 1200S 775E CB30	2	22	17	208	.1	8	12	3056	2.64	16	5	ND	1	29	2	2	2	44	1.01	.06	2	15	.10	37	.13	2	.87	.01	.02	2	1
LS 1200S 800E CR20	6	11	17	58	.1	4	9	518	4.69	2	5	ND	1	29	1	2	2	131	.48	.02	2	14	.12	17	.32	3	.97	.01	.01	1	1
LS 1200S 825E CB40	1	122	78	147	.4	27	21	2714	2.14	7	5	ND	1	51	1	2	2	35	2.08	.08	11	38	.16	42	.08	8	2.65	.01	.01	1	1
LS 1200S 850E CB15	1	17	10	37	.2	4	6	304	2.60	2	5	ND	1	28	1	2	2	121	.30	.03	2	25	.16	16	.31	4	.72	.01	.01	1	1
LS 1200S 900E CB25	1	10	9	28	.1	4	3	137	1.68	2	5	ND	1	20	1	2	2	66	.29	.02	2	4	.06	20	.21	3	.51	.01	.02	1	2
LS 1200S 950E	1	23	15	62	.1	15	19	1417	4.60	2	5	ND	1	29	1	2	2	103	.50	.03	2	55	.22	27	.42	7	.91	.01	.02	1	1
LS 1200S 960E	1	74	16	172	.4	67	21	1555	5.64	12	5	ND	1	46	1	3	2	112	2.00	.04	4	81	1.88	72	.31	3	3.47	.02	.02	1	1
LS 1200S 1000E CR20	1	68	23	86	.1	36	21	379	11.20	7	5	ND	1	12	1	2	4	334	.17	.04	2	153	.85	23	.70	5	3.23	.01	.01	1	4
LS 1200S 1020E	5	277	61	452	.1	63	34	2765	7.75	60	5	ND	1	30	2	2	2	104	1.41	.05	5	59	1.34	123	.06	4	3.24	.01	.03	1	10
LS 1200S 1035E	2	41	15	107	.2	27	18	438	7.69	5	5	ND	1	8	1	2	2	142	.17	.03	2	60	1.68	95	.01	6	5.45	.01	.02	1	1
LS 1200S 1090E CB20	2	209	25	255	.3	69	35	1576	7.46	60	5	ND	1	26	1	2	2	93	1.30	.06	10	59	.44	58	.01	3	2.49	.01	.04	1	3
LS 1200S 1150E SILT	3	201	43	326	.4	53	29	2388	6.07	49	5	ND	1	57	2	2	2	79	3.21	.09	9	48	1.01	89	.02	2	2.85	.02	.04	1	1
LS 1200S 1150E CB40	6	294	66	587	.5	57	28	6585	6.73	82	5	ND	1	26	5	2	2	70	.84	.11	21	33	.62	122	.03	4	2.46	.01	.03	1	14
LS 1200S 1200E CR20	3	371	24	211	.3	84	49	718	9.91	20	5	ND	1	10	1	2	10	172	.15	.07	6	122	.58	54	.06	3	5.46	.01	.03	1	6
LS 1200S 1250E CB20	1	59	16	281	.3	15	13	2450	4.50	9	5	ND	1	42	1	2	2	89	2.05	.05	4	26	.89	74	.12	5	3.25	.01	.02	1	1
LS 1200S 1300E CR20	2	176	23	294	.4	45	39	2100	6.96	4	5	ND	1	42	1	3	2	124	.55	.08	5	85	.87	34	.40	4	2.74	.01	.02	1	1
LS 1200S 1350E CR25	1	156	18	258	.4	47	32	885	7.84	5	5	ND	1	30	1	2	2	144	.47	.06	2	87	1.02	32	.46	3	3.87	.01	.01	1	1
LS 1200S 1360E	2	151	10	245	.1	64	24	2060	5.01	11	5	ND	1	68	1	2	2	77	1.86	.04	2	56	2.31	64	.25	10	3.06	.01	.02	1	2
LS 1200S 1400E CB20	5	1778	13	549	.4	66	45	11491	7.38	19	5	ND	1	57	1	2	2	80	.97	.08	3	99	.70	54	.22	7	4.87	.02	.02	1	1
LS 1300S 525E CR10	1	18	15	267	.2	8	11	3870	5.94	49	9	ND	2	54	1	2	2	439	3.41	.04	7	24	.71	42	.12	6	2.67	.01	.02	1	1
LS 1300S 550E CR10	2	32	19	564	.1	23	13	1046	5.29	29	5	ND	1	33	1	2	2	731	1.08	.03	4	26	1.82	17	.26	2	3.22	.01	.02	1	1
LS 1300S 600E CR20	2	15	93	782	.5	11	16	2433	6.29	26	5	ND	1	41	1	2	2	439	1.34	.07	2	22	.48	17	.29	5	2.77	.01	.02	1	1
LS 1300S 650E CB10	3	22	64	696	.5	8	14	8629	5.17	32	5	ND	1	63	1	3	2	118	.66	.06	3	30	.23	68	.30	2	2.46	.01	.02	1	1
STD C/AU 0.5	20	56	37	129	7.3	71	28	1123	3.93	38	18	8	31	45	17	15	20	57	.48	.10	37	56	.88	173	.08	36	1.73	.06	.10	12	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
LS 1300S 700E CR20	4	90	46	696	.3	31	23	3640	5.70	74	5	ND	1	20	2	2	2	84	2.61	.09	12	25	2.90	69	.09	10	3.68	.01	.04	1	2
LS 1300S 750E CB45	3	54	142	708	.4	18	13	4700	3.12	30	6	ND	1	26	4	2	5	63	1.52	.05	10	19	.62	64	.09	7	1.97	.01	.02	1	1
LS 1300S 800E CR20	5	39	23	198	.1	29	20	609	7.56	13	5	ND	1	25	1	2	7	180	.29	.06	8	86	.41	18	.48	9	2.10	.01	.02	1	2
LS 1300S 850E CR20	3	202	12	192	.2	36	44	2692	7.37	25	5	ND	1	38	1	2	4	119	1.40	.08	7	67	.43	70	.29	9	4.83	.01	.02	1	1
LS 1300S 900E	4	167	13	177	.1	28	50	2987	6.62	25	5	ND	1	18	1	2	5	124	.50	.05	9	59	.26	35	.30	9	3.67	.01	.01	2	1
LS 1300S 950E CR25	5	92	35	117	.1	23	17	394	9.78	12	6	ND	1	21	1	2	2	252	.26	.04	2	110	.48	29	.66	10	2.39	.01	.02	1	1
LS 1300S 1000E CB30	1	53	14	51	.1	25	12	274	6.27	2	5	ND	1	13	1	2	2	207	.24	.03	2	81	.42	22	.59	10	1.24	.02	.01	1	2
LS 1300S 1050E CR20	14	35	16	78	.1	18	17	354	7.25	5	5	ND	1	14	1	2	2	164	.16	.03	4	67	.25	32	.33	9	2.38	.01	.01	1	1
LS 1300S 1100E CB20	9	28	2	57	.1	13	27	2949	4.36	2	5	ND	1	26	1	2	2	119	.40	.04	2	45	.26	39	.28	7	1.68	.01	.01	1	1
LS 1300S 1150E CB35	3	52	20	74	.2	17	98	8249	3.60	2	5	ND	1	38	1	2	2	89	.53	.05	3	31	.24	86	.25	2	1.28	.01	.03	1	1
LS 1300S 1200E CB30	1	37	20	53	.1	15	9	225	6.79	2	5	ND	1	19	1	2	2	208	.27	.04	2	70	.21	22	.47	2	1.51	.01	.02	1	2
STD C/AU-0.5	21	58	42	135	7.0	70	29	1177	3.94	40	19	8	32	47	17	15	21	59	.48	.11	39	60	.88	178	.08	36	1.73	.06	.11	14	495

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
LS-A SILT	1	98	19	189	.3	90	29	1480	6.65	18	7	ND	1	41	1	2	2	152	1.21	.03	2	121	2.56	78	.44	12	3.65	.02	.03	1	1
LS-B CR10	1	44	4	43	.3	9	8	289	7.53	2	5	ND	1	16	1	2	2	196	.27	.05	2	65	.17	12	.43	7	2.96	.01	.01	1	1
LS-C CR10	1	47	11	25	.5	7	9	274	9.54	11	5	ND	1	32	1	2	11	404	.40	.03	3	85	.14	8	1.10	4	1.34	.01	.01	1	1
LS-C-01 SILT	5	71	9	171	.3	40	17	1132	4.75	93	5	ND	1	48	1	2	2	88	1.38	.14	8	48	1.25	70	.16	2	2.38	.02	.03	1	2
LS-6-1 CR30	6	15	11	38	.3	5	5	217	5.65	8	5	ND	1	24	1	2	2	287	1.69	.02	4	49	.16	19	.66	3	1.44	.01	.01	2	1
LS-6-2 CR20	2	260	100	170	.5	48	35	1519	7.50	24	5	ND	1	61	1	2	2	167	1.62	.07	2	103	1.27	12	.48	4	3.98	.01	.01	1	3
LS-6-3 CB25	1	28	47	48	.1	12	5	168	1.65	5	5	ND	1	11	1	4	2	74	.24	.03	3	32	.34	12	.23	6	1.71	.01	.01	1	2
LS-6-4 CR20	1	103	26	85	.3	43	39	1310	4.91	27	5	ND	1	11	1	2	2	129	.32	.04	14	58	.77	42	.27	5	6.19	.01	.02	1	3
LS-6-5 CR30	1	121	31	126	.4	43	25	1130	5.42	40	6	ND	1	23	1	2	2	98	.65	.05	10	61	1.06	46	.26	5	6.27	.01	.01	1	4
LS-6-6 CB30	2	66	29	85	.4	12	24	1189	6.08	13	5	ND	1	15	1	2	2	117	.44	.05	4	27	2.05	79	.01	5	5.13	.01	.03	1	1
LS-6-7 CB20	3	33	8	94	.1	9	14	5234	3.58	4	5	ND	1	34	1	2	2	135	.59	.05	3	36	.18	33	.37	2	1.66	.01	.01	1	3
LS-6-8 CR25	1	47	24	68	.3	16	14	835	6.47	5	5	ND	1	27	1	2	2	172	1.30	.05	5	55	1.26	34	.26	6	5.33	.01	.01	1	1
LS-6-9 CR20	1	21	24	31	.2	5	5	161	9.15	3	5	ND	1	9	1	2	2	260	.17	.04	2	47	.26	12	.38	4	2.69	.01	.01	1	1
LS-6-10 CR40	3	33	32	164	.4	4	15	855	5.88	23	5	ND	1	14	1	2	6	107	.22	.05	10	23	2.21	20	.14	4	6.31	.01	.01	1	1
LS-6-11 CB20	12	131	45	261	.6	33	29	3690	6.33	56	5	ND	1	24	1	2	2	94	.99	.08	22	45	4.82	66	.16	6	6.20	.01	.02	1	5
LS-6-12 CR25	1	62	26	45	.2	18	10	267	6.30	15	5	ND	2	8	1	3	2	191	.22	.03	4	76	.45	18	.37	8	4.94	.01	.01	1	2
LS-6-13 CR20	1	83	29	57	.1	24	13	300	5.68	20	5	ND	1	8	1	5	2	141	.23	.03	7	97	.73	21	.34	5	5.58	.01	.01	7	5
LS-6-14 GR20	1	55	14	42	.1	18	13	277	7.27	12	5	ND	2	8	1	2	2	192	.22	.02	3	98	.62	23	.44	5	5.26	.01	.01	1	2
LS-6-15 CR20	1	107	37	75	.4	24	23	1114	5.61	27	5	ND	1	20	1	2	2	120	1.09	.05	10	55	.91	44	.26	4	5.05	.01	.02	1	3
LS-6-16 GR50	1	152	6	291	.5	20	30	1210	6.71	7	5	ND	1	11	1	2	2	191	.25	.04	9	65	.27	41	.41	2	3.72	.01	.02	1	3
LS-6-17 GR50	1	78	15	77	.3	24	13	516	4.34	12	5	ND	1	11	1	2	2	114	.37	.05	8	62	.72	28	.33	2	4.83	.02	.01	1	1
LS-L-1	1	76	64	246	.5	31	19	1412	5.83	50	5	ND	1	18	1	2	2	129	.55	.49	10	60	.67	62	.23	2	3.89	.01	.02	1	4
LS-L-2 A630	1	33	8	455	.3	124	19	703	2.98	7	5	ND	1	22	1	2	2	56	.37	.07	20	201	2.52	35	.21	2	3.04	.01	.05	1	1
LS-L-3 CB20	2	80	152	444	.8	33	23	2384	5.04	59	5	ND	1	32	3	2	5	112	1.89	.07	10	56	.82	88	.17	7	3.25	.01	.02	3	2
LS-L-4 C620	1	70	11	58	.3	22	15	601	4.34	21	5	ND	1	17	1	3	2	138	.64	.05	6	52	.89	20	.35	4	4.75	.01	.01	1	4
LS-L-5 CR30	1	82	30	56	.1	19	12	194	6.70	6	5	ND	1	12	1	2	2	170	.25	.04	6	66	.21	18	.40	2	4.40	.01	.01	2	2
LS-L-6 A620	1	178	17	1051	.1	39	20	622	4.53	15	6	ND	1	24	1	2	3	120	1.01	.05	6	59	1.39	43	.35	4	2.97	.02	.04	1	5
LS-L-7 CR40	1	98	29	506	.6	43	16	883	6.16	16	5	ND	1	21	2	2	3	145	.58	.06	10	83	.59	38	.31	4	3.91	.01	.02	1	2
LS-L-8 CR25	1	61	15	91	.1	28	14	414	5.55	6	5	ND	1	16	1	2	2	151	.39	.03	7	66	.69	27	.35	2	3.39	.01	.02	1	5
LS-L-9 CR20	3	79	18	76	.4	13	27	641	14.27	53	5	ND	1	23	1	2	9	270	.36	.07	2	72	.18	12	.70	6	1.66	.01	.01	1	1
LS-L-10 CR70	8	509	17	125	.8	42	39	1127	17.83	209	5	ND	1	46	2	2	11	170	.93	.09	2	157	.27	10	.46	2	2.29	.01	.01	1	10
LS-L-11 CB20	7	90	846	4385	9.9	102	25	9265	8.22	138	13	ND	3	50	20	2	2	99	3.56	.07	18	40	2.92	73	.16	6	4.57	.01	.02	1	2
LS-L-12 CR30	2	226	40	1070	1.2	25	39	1353	7.97	42	5	ND	1	31	3	2	3	138	1.23	.09	8	68	.22	20	.39	3	4.61	.01	.01	1	2
LS-L-13 CR20	10	54	845	3796	7.6	101	25	10201	11.80	586	7	ND	2	29	19	2	11	257	1.27	.09	13	32	1.07	76	.04	13	4.35	.01	.05	1	17
LS-L-14 CR30	4	41	236	2559	5.5	33	16	3047	9.02	62	6	ND	1	43	9	2	4	148	1.01	.07	7	45	1.89	26	.31	5	5.22	.01	.02	1	4
STD C/AU-0.5	21	58	42	135	7.0	67	29	1180	3.93	42	21	8	32	48	17	15	19	59	.48	.11	37	61	.88	179	.08	39	1.73	.06	.11	12	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
LS-M-1 GB50	3	89	4	135	.5	21	19	1455	6.34	31	5	ND	1	7	1	2	3	107	.16	.06	10	98	.47	44	.11	7	5.07	.01	.02	1	3
LS-M-2 GR30	6	46	12	170	.2	21	10	236	5.45	87	5	ND	1	11	1	2	3	91	.25	.07	7	57	.36	46	.04	2	4.53	.01	.02	1	6
LS-M-3	2	70	22	180	.6	25	20	1763	6.91	71	6	ND	1	14	1	2	2	123	.28	.10	7	86	.51	71	.07	3	4.87	.01	.02	1	5
LS-M-4 CB30	2	30	17	94	.9	26	8	3814	1.87	91	5	ND	1	11	4	3	6	65	.49	.21	35	50	.78	88	.01	3	1.89	.01	.01	1	4
LS-M-5 CR40	15	103	16	258	.2	66	22	1649	9.05	2800	5	ND	1	5	1	25	2	62	.08	.19	13	79	.26	61	.01	4	2.20	.01	.03	1	50
LS-M-6 CB30	2	73	2	67	.3	16	13	591	4.86	71	5	ND	1	8	1	2	4	100	.22	.10	16	45	.35	26	.15	8	5.87	.01	.01	4	6
LS-M-7 CR40	3	35	2	89	.1	24	12	1417	3.56	25	5	ND	1	4	1	2	3	66	.04	.11	7	63	1.25	26	.04	3	4.62	.01	.01	1	3
LS-M-8 CR15	4	129	75	534	1.8	50	22	5101	10.83	6525	5	ND	1	17	4	30	3	139	.60	.11	32	48	3.42	250	.01	11	4.43	.01	.03	2	295
LS-M-9 CR20	5	60	2	105	.2	28	12	451	5.80	44	5	ND	1	6	1	2	2	116	.13	.14	7	67	.45	26	.14	3	4.18	.01	.02	1	6
LS-M-10 GR40	1	69	7	47	.1	12	10	365	8.05	14	5	ND	1	8	1	2	2	214	.22	.06	9	78	.38	22	.49	8	6.09	.01	.01	1	3
LS-M-11 CR30	1	50	2	71	.3	3	16	443	5.62	7	5	ND	2	8	1	2	3	81	.11	.05	9	19	.36	89	.06	3	7.48	.01	.04	1	2
LS-M-12 GR30	2	257	2	113	.1	36	34	3346	7.17	50	5	ND	1	16	1	2	3	113	1.95	.06	16	84	1.16	30	.22	9	6.25	.01	.02	2	7
LS-M-13 CR15	1	50	6	27	.1	10	7	202	7.92	6	5	ND	1	9	1	2	2	256	.23	.05	6	64	.20	14	.47	3	3.42	.01	.01	1	3
LS-S-1 AB20	1	153	10	125	.1	36	26	1487	5.76	28	5	ND	1	30	1	2	2	147	.73	.05	12	54	1.18	105	.31	4	3.94	.02	.03	1	13
LS-S-2 AB25	1	119	61	380	.3	43	23	1550	5.77	38	5	ND	1	22	1	2	3	138	1.03	.08	12	65	1.01	46	.23	8	4.40	.02	.02	1	7
LS-S-3 AB20	3.	149	351	1002	.5	60	42	3234	7.63	208	5	ND	1	16	5	16	4	169	.65	.07	17	73	1.32	58	.18	7	4.26	.01	.03	1	16
LS-S-4 CB99	2	244	532	530	.7	90	44	8509	7.58	61	5	ND	1	17	15	2	3	326	.67	.11	27	88	1.76	95	.06	9	3.85	.01	.03	1	9
LS-S-5 CB10	4	79	598	2359	1.2	39	19	8064	6.22	115	5	ND	1	26	13	7	2	127	1.79	.11	26	38	.93	130	.02	7	3.07	.01	.03	1	2
LS-S-6 AB25	1	94	39	342	.6	34	20	3227	4.91	71	5	ND	1	25	4	4	2	107	1.16	.08	16	67	.76	77	.18	6	3.82	.02	.02	1	6
LS-S-7 CR50	2	44	134	505	.5	20	24	1668	8.14	66	5	ND	1	10	3	3	3	158	.53	.06	21	29	1.27	64	.01	6	6.59	.01	.03	2	15
LS-S-8 CR30	1	164	18	82	.2	75	39	527	4.54	191	5	ND	1	11	1	2	2	90	.51	.05	9	112	.87	24	.01	2	2.16	.02	.04	1	10
LS-S-9 CR99	4	135	44	197	.7	20	25	2779	7.96	105	5	ND	1	16	1	2	2	108	.61	.04	28	26	1.39	89	.04	8	3.35	.01	.05	1	17
LS-S-10 CR40	1	58	14	76	.5	33	17	866	5.18	71	5	ND	1	12	1	2	7	121	.49	.03	11	57	.70	46	.14	5	3.87	.01	.02	3	11
LS-S-11 CR35	4	100	15	135	.2	25	18	938	6.17	38	5	ND	1	20	1	2	3	115	.39	.14	8	47	.74	98	.08	6	3.46	.01	.05	1	6
LS-S-12 CB70	1	70	16	90	.1	50	26	1697	5.72	340	5	ND	1	9	1	2	2	190	.25	.04	19	77	1.94	132	.01	2	3.28	.01	.04	1	7
LS-S-13 CB20	1	24	12	68	.4	26	12	1979	3.64	90	5	ND	1	6	1	2	2	63	.31	.09	32	60	.84	81	.01	2	1.92	.01	.03	1	3
LS-S-14 CR15	1	33	14	89	.3	20	12	1168	6.52	21	5	ND	1	15	2	2	3	137	.76	.04	14	47	.60	35	.38	2	4.02	.01	.01	1	33
LS-S-15 CR35	3	78	24	154	.5	25	14	859	7.24	487	8	ND	1	15	1	2	3	133	.43	.07	19	77	.52	97	.19	9	4.45	.01	.03	1	9
LS-S-16 GB70	1	60	8	119	.5	28	15	1029	4.26	174	5	ND	1	32	1	3	2	88	1.24	.13	13	45	.81	53	.15	7	4.30	.03	.03	1	4
LS-S-17 CR50	1	29	32	95	.1	11	6	4808	4.17	31	5	ND	1	13	1	2	4	63	1.07	.08	8	10	1.39	30	.03	6	1.30	.01	.01	1	1
LS-S-18 CR35	2	80	6	125	.1	18	22	1602	7.88	46	5	ND	1	15	1	2	2	190	.49	.07	16	77	.51	29	.42	4	5.38	.01	.02	1	2
LS-S-19 CB20	16	49	29	155	.5	37	8	6423	2.74	1345	23	ND	1	25	2	42	2	170	1.11	.30	28	19	.24	128	.03	2	2.22	.01	.03	2	10
LS-S-20 CB40	6	97	2	171	.5	23	24	827	4.62	115	6	ND	1	14	1	2	2	83	.20	.14	14	43	.62	25	.17	7	7.82	.01	.02	1	1
LS-S-21 CR15	2	205	6	91	.3	65	38	613	7.20	25	5	ND	1	24	1	2	5	136	.70	.12	14	112	.65	39	.10	2	6.41	.01	.02	1	1
LS-S-22 CR90	2	96	20	151	.2	48	23	642	8.31	12	5	ND	1	10	1	2	4	201	.20	.04	12	80	1.28	48	.38	3	5.39	.01	.02	1	2
LS-S-23 CR20	2	55	18	479	.5	18	12	9511	4.74	14	9	ND	1	18	3	2	2	144	.96	.05	10	30	.63	88	.24	2	3.52	.01	.02	1	7
STD C/AU 0.5	20	59	43	127	7.2	66	26	1107	3.91	36	20	8	30	45	17	16	20	55	.48	.10	38	56	.88	170	.08	38	1.73	.06	.11	13	500

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
LS-S-24 CR45	6	54	114	1491	.4	24	18	3679	8.05	48	9	ND	2	16	4	2	4	321	.89	.06	7	35	.92	32	.28	2	4.04	.01	.01	1	5
LS-S-25 CR40	1	24	22	57	.2	11	7	246	5.75	11	5	ND	1	17	1	3	2	182	.38	.02	2	37	.44	14	.56	2	2.31	.02	.02	1	45
LS-S-26 CR20	4	87	47	761	.2	21	24	2106	8.83	89	5	ND	2	19	1	5	2	107	.69	.06	4	43	.35	19	.19	3	4.49	.01	.01	1	2
LS-S-27 CR20	1	123	13	76	.6	25	17	375	7.90	30	5	ND	2	13	1	3	2	141	.30	.04	6	99	.65	17	.45	8	6.27	.02	.02	1	3
LS-S-28 CR20	2	67	22	174	.2	16	17	488	7.93	40	5	ND	1	24	1	2	2	134	.98	.05	3	45	.88	57	.12	4	5.09	.01	.02	1	3
LS-S-29	1	86	27	186	.1	5	15	696	8.33	45	5	ND	1	34	1	2	5	137	2.90	.05	4	31	.47	64	.30	4	2.90	.01	.02	1	1
LS-S-30 CR20	3	32	57	365	.1	14	13	1094	5.88	40	5	ND	1	34	1	2	2	99	1.31	.09	6	28	.72	43	.07	3	3.79	.01	.02	1	1
LS-S-31 CR15	1	100	24	46	.2	24	17	667	9.18	3	5	ND	1	33	1	2	2	402	.54	.07	2	120	.49	21	1.08	2	1.76	.01	.02	1	3
LS-S-32 CB15	1	41	18	147	.2	27	15	877	4.08	16	5	ND	1	56	1	2	2	103	2.77	.06	3	55	1.09	44	.29	6	2.54	.01	.01	1	1
LS-S-33 CR20	1	72	15	43	.1	17	11	337	5.35	9	5	ND	1	11	1	2	2	154	.39	.03	3	67	.50	15	.36	4	4.03	.02	.01	1	2
LS-S-34 CR30	2	121	15	84	.2	12	13	242	5.56	9	5	ND	1	5	1	2	2	80	.14	.06	3	131	.13	6	.23	3	7.59	.02	.01	1	1
LS-S-35 CB20	2	159	15	401	.2	34	19	348	3.26	8	5	ND	1	20	1	2	2	103	.57	.05	6	54	.56	37	.29	3	3.86	.01	.02	1	1
LS-S-36 CR15	1	15	16	29	.1	5	6	147	9.32	6	5	ND	1	8	1	3	2	247	.17	.04	4	33	.21	13	.49	2	2.33	.01	.02	1	2
LS-S-37 CR40	1	7	22	32	.1	4	6	221	7.01	5	5	ND	1	14	1	2	2	314	.18	.03	5	21	.51	18	.46	2	2.31	.01	.02	1	1
LS-S-38 CR10	1	24	10	61	.1	7	11	473	7.49	10	5	ND	1	20	1	2	3	202	.20	.05	4	29	.92	23	.27	3	4.29	.01	.02	1	1
LS-S-39 CR30	2	46	20	40	.1	8	7	179	8.36	2	5	ND	2	10	1	2	2	254	.23	.04	2	73	.36	18	.51	4	4.94	.01	.02	1	1
LS-S-40 CR30	1	7	16	12	.1	1	5	102	7.02	3	5	ND	1	8	1	2	2	326	.09	.01	2	22	.12	13	.44	4	1.81	.01	.01	1	3
LS-S-41 GG40	6	82	9	82	.2	34	23	777	4.38	14	5	ND	1	23	1	2	2	113	1.01	.07	10	51	1.36	149	.23	4	2.81	.02	.04	1	15
LS-S-42 CR30	2	117	9	74	.1	30	13	342	5.34	18	5	ND	1	10	1	2	3	148	.41	.05	5	80	.72	18	.35	2	5.33	.01	.02	1	5
LS-S-43 CR40	2	71	174	313	.3	12	10	416	4.63	29	5	ND	1	21	1	2	2	129	1.17	.05	7	29	.33	50	.17	2	3.39	.01	.01	1	1
LS-S-44	3	67	35	419	.4	51	13	1204	3.29	76	5	ND	1	44	6	2	2	128	2.16	.19	12	49	.87	399	.13	18	3.31	.01	.02	1	3
LS-S-45 GB50	4	102	11	182	.1	43	16	470	3.71	264	5	ND	1	14	2	3	4	126	.68	.19	8	63	.63	38	.19	5	4.84	.01	.02	1	1
LS-S-46 CR20	3	24	40	153	.7	12	6	352	5.08	48	5	ND	1	27	1	2	2	177	.73	.14	6	67	.31	26	.16	2	2.25	.01	.01	1	1
LS-S-47 CN30	8	129	49	888	1.4	85	19	5935	4.75	94	5	ND	1	86	27	2	2	155	4.16	.31	18	56	.82	89	.09	5	4.09	.01	.02	1	2
LS-S-49 CR20	3	171	178	659	.3	27	36	5599	10.96	52	17	ND	2	25	1	2	7	161	2.16	.08	10	37	.69	24	.23	4	4.65	.01	.01	1	6
STD C/AU-0.5	20	58	41	130	7.0	69	29	1138	3.93	42	17	8	31	46	17	15	20	57	.45	.10	36	58	.88	173	.08	38	1.73	.06	.11	11	500

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,199

To accompany report by J. Falconer, P. Eng.

LIQUID SUNSHINE PROJECT	
FOR: CHELAN RESOURCES INC.	
BY: SHANGRI - LA MINERALS LIMITED	
MAGNETOMETER SURVEY	
ALBERNI M.D., B.C.	
N.T.S. : 92C - 15W	DATE : JUNE 1986
DRAWN BY : M.R.	FIGURE Nº. 2

To accompany report by J. Falconer, P. Eng.

LIQUID SUNSHINE PROJECT
FOR: CHELAN RESOURCES INC.
BY: SHANGRI - LA MINERALS LIMITED

VLF-EM FRASER FILTERED

ALBERNI M.D., B.C.

N.T.S.: 92C - 15W	DATE: JUNE 1986
DRAWN BY: M.R.	FIGURE Nº. 3

LIQUID SUNSHINE
BASE LINE
124° 58'
T.L. 1000W
To Mars Logging Camp
DORA L331
L357
CONSTANCE FR.
SOUTHERN CROSS ADITS (FIG. 4b)
UCHUCKLESIT INLET
CHEEYAH 2 ISLAND
GREEN MOUNTAIN
HAPPY JOHN Nº 4
HAPPY JOHN
HAPPY JOHN Nº 2
HAPPY JOHN Nº 1
HAPPY JOHN Nº 3 FR.
HAPPY JOHN 1 ADIT AREA (FIG. 4d)
HAPPY JOHN 4 ADIT AREA (FIG. 4c)
SILVER KING
COPPER QUEEN
ST. GEORGE
SING MAIN ROAD
LIMESTONE BAY ROAD
Green Cove
Limestone Bay
Strawberry Point
Brooksby Point
ALBERNI INLET
Handy Creek
LS 00S
LS 100S
LS 200S
LS 300S
LS 400S
LS 500S
LS 600S
LS 700S
LS 800S
LS 900S
LS 1000S
LS 1100S
LS 1200S
LS 1300S
LS 1500S
LS 1600S
LS 1700S
48° 59'
SCALE 1:5000
0 100 200 400 metres
LEGEND
2a ANDESITE / BASALT (extrusive, intrusive)
2b DACITE (" , ")
2c RHYOLITE - RHYODACITE
1a MASSIVE LIMESTONE
1b CALAREOUS SILTSTONE
1c ARGILLITE (± bedding)
1d GREYWACKE
AGE RELATIONSHIP BETWEEN 1 & 2 IS UNCERTAIN BUT 2 SEEMS SLIGHTLY YOUNGER, AT LEAST IN INTRUSIVE PHASES.
SYMBOL
OUTCROP
AXIAL PLUNGE OF FOLD
STRIK & DIP - contact & bedding
FAULT / SHEAR WITH DIP
GEOLOGICAL CONTACT - defined, approx., assumed
JOINT / FRACTURE - inclined, horizontal
SHAFT
ADIT
TRENCH
ROCK SAMPLE (LSC, LSN)
py PYRITE
cpy CHALCOPYRITE
pyy PYRRHOTITE
mag MAGNETITE
Si SILICA
epi EPIDOTE
Mn MANGANESE
Hem HEMATITE
MoS MOLYBDENITE
Sk Skarn
Subcrop
Road soil sample
Road, trail
GEOLOGICAL BRANCH ASSESSMENT REPORT
15,199
To accompany report by J. Falconer, P. Eng.
LIQUID SUNSHINE PROJECT
FOR: CHELAN RESOURCES INC.
BY: SHANGRI - LA MINERALS LIMITED
GEOLOGY
ALBERNI M.D., B.C.
N.T.S.: 92C - 15W
DATE: JUNE 1986
DRAWN BY: N.H., D.C.
FIGURE Nº. 4a

LIQUID SUNSHINE PROJECT

FOR: CHELAN RESOURCES INC.

BY: SHANGRI - LA MINERALS LIMITED

GOLD GEOCHEMISTRY

ALBERNI M.D., B.C.

N.T.S. : 92C - 15W	DATE : JUNE 1986
DRAWN BY : M.R.	FIGURE Nº. 5a

BASE LINE
124° 58'
T.L. 1000W
To Mass Logging Camp
LS 00 S
LS 100 S
LS 200 S
LS 300 S
LS 400 S
LS 500 S
LS 600 S
LS 700 S
LS 800 S
LS 900 S
LS 1000 S
LS 1100 S
LS1200 S
LS 1300 S
LS 1500 S
LS 1600 S
LS 1700 S
LIQUID SUNSHINE
DORA
L 331
L 357
CONSTANCE FR.
UCHUCKLESIT
INLET
CHEEYAH
ISLAND
GREEN MOUNTAIN
HAPPY JOHN Nº 4
HAPPY JOHN
HAPPY JOHN
Nº 2
HAPPY JOHN
Nº. 1
HAPPY
JOHN Nº 3
FR.
Handy Creek
SING MAIN ROAD
LIMESTONE BAY ROAD
Green
Cove
SILVER KING
COPPER QUEEN
ST. GEORGE
Limestone
Bay
Strawberry
Point
Brooksby Point
ALBERNI INLET
48° 59'
Ag in ppm
.1 - .6
.7 - 1.0
>1.0
SCALE 1:5000
GEOLOGICAL BRANCH
ASSESSMENT REPORT
15,199
PROFESSIONAL
PROVINCE
OF
J. S. FALCONER
BRITISH
COLUMBIA
ENGINEER
To accompany report by J. Falconer, P. Eng.
LIQUID SUNSHINE PROJECT
FOR: CHELAN RESOURCES INC.
BY: SHANGRI - LA MINERALS LIMITED
SILVER GEOCHEMISTRY
ALBERNI M.D., B.C.
N.T.S. : 92C - 15W
DATE : JUNE 1986
DRAWN BY : M.R.
FIGURE Nº. 5 b

To Mass Logging Camp
BASE LINE
124° 58'
T.L. 1000W
LS 00 S
LS 100 S
LS 200 S
LS 300 S
LS 400 S
LS 500 S
LS 600 S
LS 700 S
LS 800 S
LS 900 S
LS 1000 S
LS 1100 S
LS1200 S
LS 1300 S
LS 1500 S
LS 1600 S
LS 1700 S
LIQUID SUNSHINE
DORA
L331
L357
CONSTANCE FR.
UCHUCKLESIT
INLET
CHEEYAH
ISLAND
GREEN MOUNTAIN
HAPPY JOHN Nº 2
HAPPY JOHN Nº 4
HAPPY JOHN
HAPPY JOHN Nº 1
HAPPY JOHN Nº 3 FR.
Handy Creek
SILVER KING
COPPER QUEEN
ST. GEORGE
Green
Cove
Limestone
Bay
Strawberry
Point
Brooksby Point
ALBERNI INLET
LIMESTONE BAY ROAD
48° 59'
GEOLOGICAL BRANCH
ASSESSMENT REPORT
15,199
To accompany report by J. Falconer, P. Eng.
As in ppm
0 – 100
101 – 200
201 – 300
301 – 400
401 – 500
>500
N
SCALE 1:5000
0
100
200
400 metres
LIQUID SUNSHINE PROJECT
FOR: CHELAN RESOURCES INC.
BY: SHANGRI - LA MINERALS LIMITED
ARSENIC GEOCHEMISTRY
ALBERNI M.D., B.C.
N.T.S.: 92C - 15W
DATE: JUNE 1986
DRAWN BY: M.R.
FIGURE Nº. 5c


124° 58'
BASE LINE
T.L. 1000W
To Mark Logging Camp
LS 00S
LS 100S
LS 200S
LS 300S
LS 400S
LS 500S
LS 600S
LS 700S
LS 800S
LS 900S
LS 1000S
LS 1100S
LS1200S
LS 1300S
LS 1500S
LS 1600S
LS 1700S
LIQUID SUNSHINE
DORA
L331
L357
CONSTANCE FR.
UCHUCKLESIT
INLET
CHEEYAH
ISLAND
GREEN MOUNTAIN
HAPPY JOHN Nº 2
HAPPY JOHN Nº 4
HAPPY JOHN
HAPPY JOHN Nº 1
HAPPY JOHN Nº 3 FR.
Handy Creek
SING MAIN ROAD
LIMESTONE BAY ROAD
Green
Cove
SILVER KING
COPPER QUEEN
ST. GEORGE
Limestone
Bay
Strawberry
Point
Brooksby Point
ALBERNI INLET
48° 59'
N
SCALE 1:5000
0 100 200 400 metres
Cu in ppm
1 - 50
51 - 100
101 - 150
151 - 200
201 - 250
251 - 300
>300
GEOLOGICAL BRANCH
ASSESSMENT REPORT
15,199
To accompany report by J. Falconer, P. Eng.
LIQUID SUNSHINE PROJECT
FOR: CHELAN RESOURCES INC.
BY: SHANGRI - LA MINERALS LIMITED
COPPER GEOCHEMISTRY
ALBERNI M.D., B.C.
N.T.S.: 92C - 15W
DATE: JUNE 1986
DRAWN BY: M.R.
FIGURE Nº. 5d

124° 58'
BASE LINE
T.L. 1000W
LS 00 S
LS 100 S
LS 200 S
LS 300 S
LS 400 S
LS 500 S
LS 600 S
LS 700 S
LS 800 S
LS 900 S
LS 1000 S
LS 1100 S
LS1200 S
LS 1300 S
LS 1500 S
LS 1600 S
LS 1700 S
LIQUID SUNSHINE
DORA
L 331
L 357
CONSTANCE FR.
UCHUCKLESIT
INLET
CHEEYAH
ISLAND
Green
Cove
Strawberry
Point
Limestone
Bay
Brooksby Point
ALBERNI INLET
SILVER KING
COPPER QUEEN
ST. GEORGE
GREEN MOUNTAIN
HAPPY JOHN Nº 4
HAPPY JOHN
HAPPY JOHN Nº 2
HAPPY JOHN Nº 1
HAPPY JOHN Nº 3 FR.
Handy Creek
48° 59'
LEGEND
Magnetic high
" low
VLF-EM conductor - strong
- weak
Au anomalies >20 ppb
Ag " >.6 ppm
As " >300 "
Cu " >250 "
N
SCALE 1:5000
0
100
200
400 metres
GEOLOGICAL BRANCH
ASSESSMENT REPORT
15,199
To accompany report by J. Falconer, P. Eng.
LIQUID SUNSHINE PROJECT
FOR: CHELAN RESOURCES INC.
BY: SHANGRI - LA MINERALS LIMITED
COMPILATION MAP
ALBERNI M.D., B.C.
N.T.S.: 92C - 15W
DATE: JUNE 1986
DRAWN BY: M.R.
FIGURE Nº. 7