

GEMS UNLIMITED LLC

PRELIMINARY PROSPECTING REPORT
OF THE
LIV CLAIM GROUP

N T S mapsheet 105E 08
UTM 528139E/6793875N

YEIP
2002-014
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Vol.1

LIV (1-8) CLAIMS
YC19578-85

By
Mark Lindsay

Duration of Work
JULY 2 - 9, 2002

Work funded under the Yukon Government Mining Incentives Program
Application # 02-014

YEIP
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GEMS UNLIMITED LLC

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N T S mapsheet 105E 08
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SUMMARY

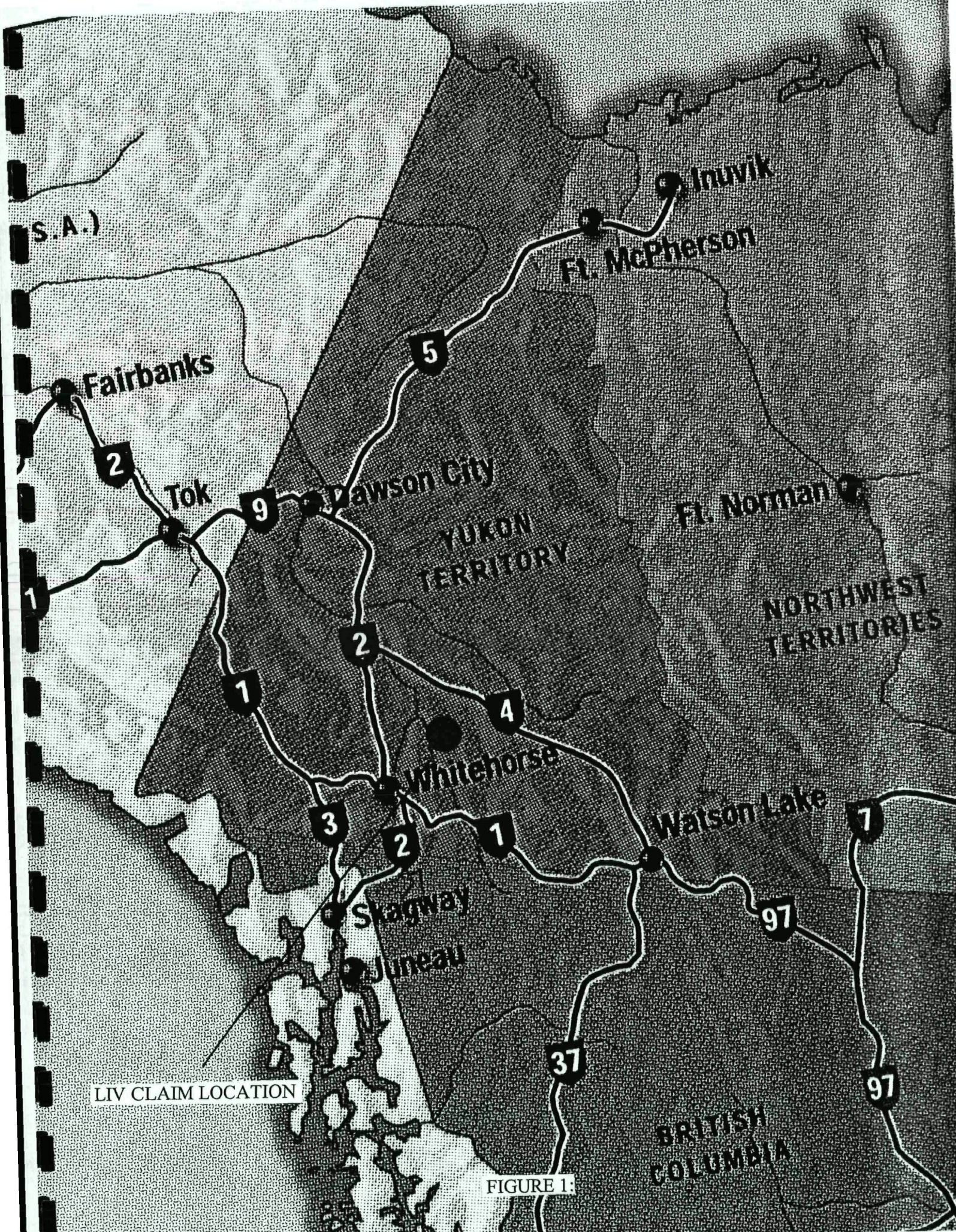
The LIV (1-8) claims are underlain by coarse to medium grained hornblendite-gabbroic rocks. The hornblendite grades to a fine grained mafic rock in the more central part of the claims. The mafic rocks may be in contact with the calcareous units further east, but a lack of outcrop has prevented a confirmation of this association. All of the rock units are associated with the Boswell/Semenof Terrain that is mapped in this area.

Prospecting and rock assays have identified a minor copper gold skarn that exists on the southwest portion of the LIV claims. The copper and gold mineralization found on the claim block, is associated with skarnification of the mafic/ultramafic rocks.

A red gossan 100 m x 50 m is located by the edge of a cat trail on the eastern portions of the claim block. A soil sample taken from the gossan assayed 50 ppb Au.

Grab sampling across the western portion of the claims returned values up to 8167 ppm Cu and 365 ppb Au.

A properly executed soil sample program across the entire property may reveal gold targets that have not been identified as of yet.



LIV CLAIM LOCATION

FIGURE 1:

INTRODUCTION

The LIV (1-8) claims were staked while prospecting for mineralization associated with a copper/gold geochemical anomaly that was detected in streams draining the area north of the claims. Work was carried out on the property between July 2 and July 9, 2002 by personnel from GEMS UNLIMITED LLC.

This report will discuss the geology of the claims and the analytical results from rock and soil sampling conducted on the claim group. The purpose of the work was to identify a mineralization gossan zone that had been reported in work previously conducted in the area and to assay samples taken from the area for their gold content.

LOCATION AND ACCESS

The LIV claims are located on N T S mapsheet 105 E 08 within the Whitehorse Mining District. The claims are located approximately 80 kilometers northeast of Whitehorse, Yukon. The claims can be accessed from Whitehorse by helicopter.

PYHSIOGRAPHY, VEGETATION AND CLIMATE

The claim group is located in a heavily forested area of low rolling hills to slightly mountainous terrain. The highest point in the area is 1060 m. Drainage in the area is good. Local creeks have a continuous supply of water during the spring and summer months. Most of the creek water is provided from melting permafrost. Swamps, marshes and small lakes are abundant in the area.

Vegetation in the area is very dense. Willow, Black Spruce, and Poplar trees are found throughout the entire area. The terrain is generally very swampy and moss and long grasses are found everywhere.

The climate of the area is typical of the interior continental region at this latitude. Winters are long with short hours of daylight and average daily temperatures of -20 Celsius. Summers are pleasant and warm with long days (20 hours of daylight on June 21), although it can be quite rainy at times. There is a yearly average of 120 days of precipitation. The average summer temperature is 22 Celsius with highs ranging into the low 30's.

HISTORY AND PREVIOUS WORK

Minor exploration has taken place in the LIV claim area. The area is located immediately west of the Livingstone Placer Camp. With the location being so close to an active mining area it could be fair to say that prospectors, over the years, could have thoroughly investigated the area, or at least slightly investigated it, while walking through it. Tempelman-Kluit mapped the general area, for the Geological Survey of Canada in 1984. The area will be mapped at 1:50,000 scale in the summer of 2003 by geologists working for the Yukon Geology Program.

The Snow claims were staked in Feb/63 by C. McLennan and restaked as the Napua claims in Apr/71 by L. Engle. The claims were explored by hand pitting and some soil sampling. No mineralization was found. The claims were staked on a pyritic gossan exposed in a road cut. Limestone and argillite rocks of Triassic age are exposed in the road cut.

PROPERTY AND CLAIM STATUS

The claims discussed in this report consist of 8 contiguous two post mineral claims. The claim status is listed below.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date</u>
LIV 1-8	YC19578-85	JULY11, 2003

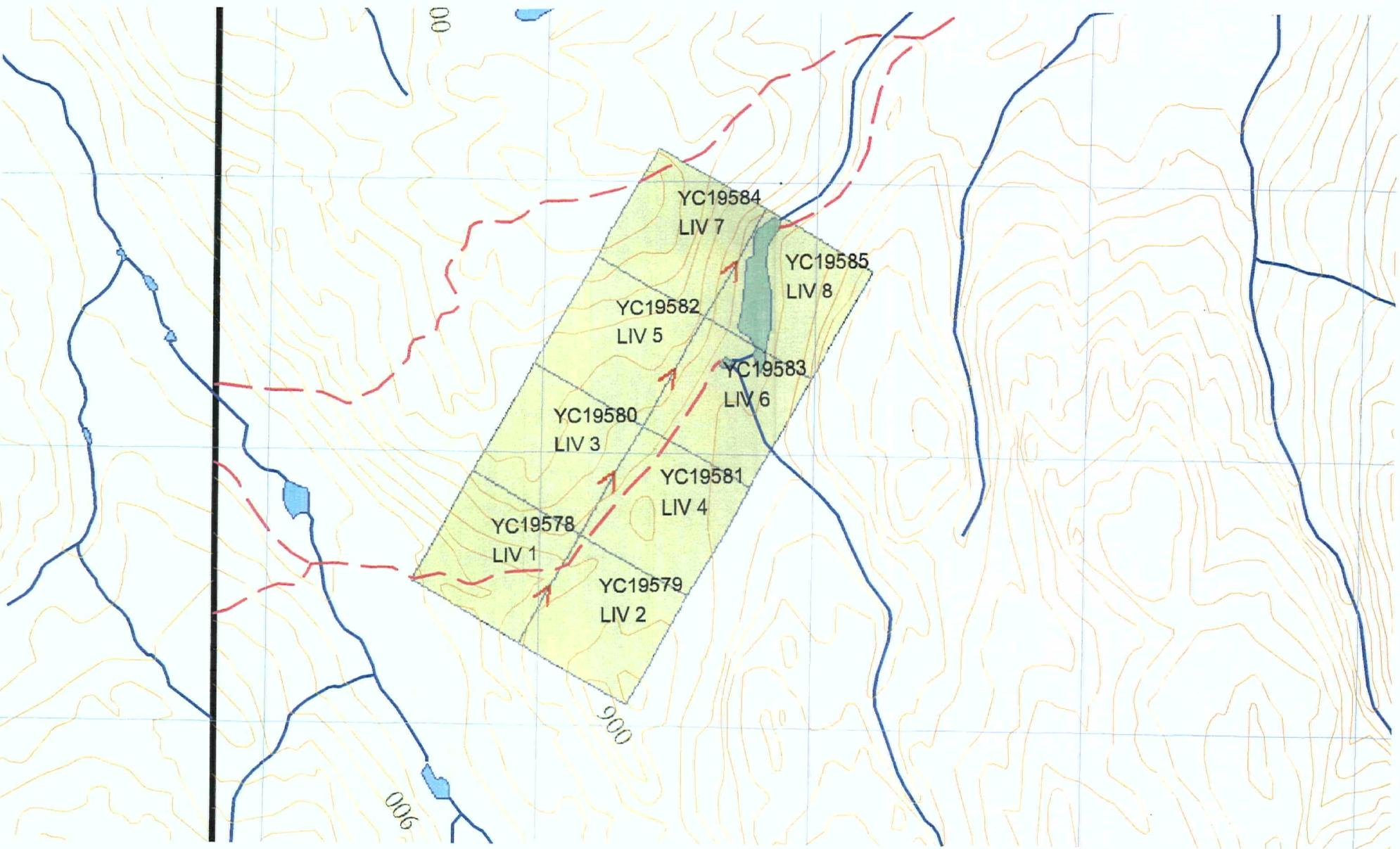
All claims are 100% owned by Mark Lindsay of Whitehorse, Yukon.

2002 WORK COMPLETED

GEMS Unlimited LLC conducted prospecting, rock sampling on the LIV claims in 2002.

16 rock grab samples and 3 soil samples were taken from the claim block between July 2-9, 2002.

Prospector Mark Lindsay and GEMS Unlimited LLC employee, Charles Masters, collected all samples from the property.



REGIONAL GEOLOGY

The LIV Claims occur within the Pennsylvanian Boswell and Semenof formations. These formations are described by Tempelman-Kluit (1984) as an assemblage of recessive mixed clastic strata and minor greenstone with *altered mafic volcanics, gabbro and limestone*, as well as resistant, massive, dark green, altered andesite and basalt, volcanic breccia, tuff and greenstone, minor rhyolite breccia and *argillite*. The Boswell/Semenof formation exists within the Quesnellia terrane, an arc related package of volcanic, volcanoclastic and comagmatic intrusive rocks, which are overlain by arc derived clastics. This package of rocks was accreted to North America in the Jurassic. An accurate description of the geology of the LIV claims will be available after GSC mapping is conducted in 2003.

PROPERTY GEOLOGY

Table of Formations

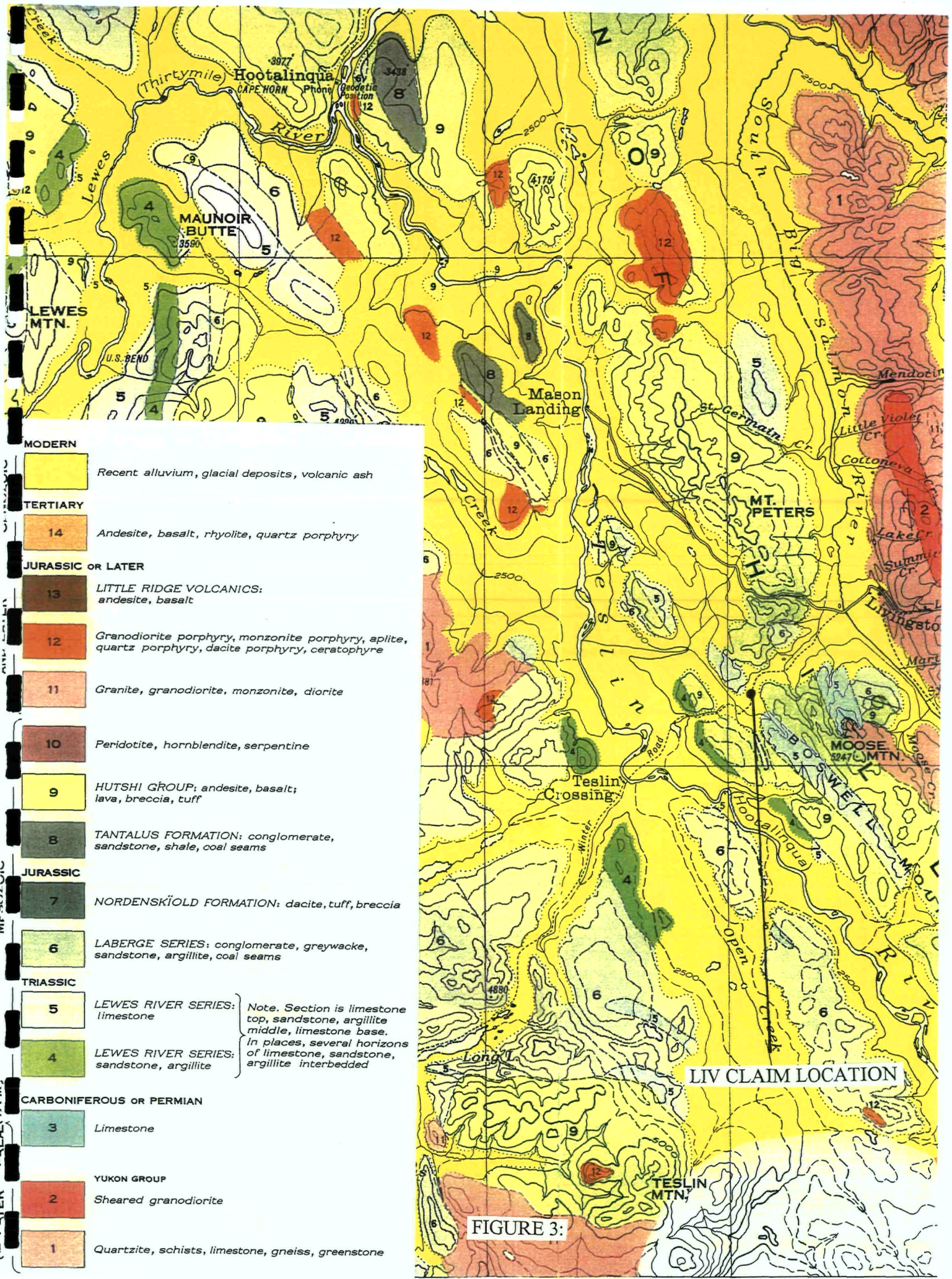
Upper Carboniferous Lower and Middle Pennsylvanian	SEMENOFF	Massive, dark weathering, coarse to medium grained, hornblendite-gabbro and limestone
Upper Carboniferous Lower and Middle Pennsylvanian	BOSWELL	Altered andesite and basalt, volcanic breccia and argillite

Semenoff Formation

The rocks of the Semenoff formation are the most exposed unit in the area of the claims. Hornblendite, gabbro and other mafic rocks cover approximately 50% of the claims. The Hornblendite, a greenish black, coarse grained rock, is cut through in places by veins carrying green and white minerals (diopside?). Hornblende crystals that average 2 mm in size dominated the rock, with 4 mm crystals being the largest noted. A limey coating was observed on some of the Hornblende samples. Rocks that appear to be more gabbroic in nature occur in the south central claim area. The greenish-grey, medium grained rock has a mottled appearance with light and dark patches, and long rodlike pyroxene minerals orientated in many directions. A dark fine-grained mafic rock was often seen in the northwest and central part of the claims. The rock has the appearance of an amphibolite (It could also be a meta-basalt of the Boswell Formation). A grey rusty, weathered (argillaceous) limestone is exposed in a road cut on the southeast side of the claims.

Boswell Formation

Rocks that are associated with the Boswell Formation occur in two locations on the claims. A green and maroon, coarse grained, andesitic volcanic breccia outcrops in the west part of the claims. The rock appears to be an isolated occurrence, as mafic rocks can be found completely surrounding the outcrop. At the other location, a dark, rusty, fractured, silicified argillite was found in a road cut intermixed with grey limestone.



MODERN		Recent alluvium, glacial deposits, volcanic ash
TERTIARY		Andesite, basalt, rhyolite, quartz porphyry
JURASSIC OR LATER		LITTLE RIDGE VOLCANICS: andesite, basalt
		Granodiorite porphyry, monzonite porphyry, aplite, quartz porphyry, dacite porphyry, ceratophyre
		Granite, granodiorite, monzonite, diorite
		Peridotite, hornblendite, serpentine
		HUTSHI GROUP: andesite, basalt; lava, breccia, tuff
		TANTALUS FORMATION: conglomerate, sandstone, shale, coal seams
JURASSIC		NORDENSKJÖLD FORMATION: dacite, tuff, breccia
		LABERGE SERIES: conglomerate, greywacke, sandstone, argillite, coal seams
TRIASSIC		LEWES RIVER SERIES: limestone
		LEWES RIVER SERIES: sandstone, argillite
CARBONIFEROUS OR PERMIAN		Limestone
YUKON GROUP		Sheared granodiorite
PALEOZOIC		Quartzite, schists, limestone, gneiss, greenstone

Note. Section is limestone top, sandstone, argillite middle, limestone base. In places, several horizons of limestone, sandstone, argillite interbedded

LIV CLAIM LOCATION

FIGURE 3:

Structure

Two structural trends occur in the area of the claims. An apparent northeast/southwest trending fault lineament is located on the south boundary of the claims. This inferred fault structure is about 300 m at claim block location. Government Aeromagnetic Maps show two large anomalies that can be seen following, in a linear fashion, the same trend as the fault. The other structure in the area is the major Boswell Fault, which is located immediately to the southwest of the claims.

The author can not detail with any certainty the structural relationships of the rock units described earlier within the claim block, other than to say, the mafic rocks may be in contact with the limestone and argillite units to the east.

Metamorphism and Alteration

The rock units on the LIV claims have been subjected to alteration. Skarnification seems to be evident in some of the rock samples taken from the claims. Veins carrying green and white minerals, found cutting through samples of hornblendite, appear to be evidence of possible calc-silicate alteration, although a fresh surface of the vein does not react to acid, but the same rock has a limey white coating that does react strongly to acid. Silicification may be evident in the area where the limestone and argillite outcrop at the road cut. The argillite has many small quartz filled fractures within it. It also appears to be a chert like or hornfelsic in nature. This may be evidence of contact metamorphic alteration from a deeper seated granite in the area.

ECONOMIC GEOLOGY

Sulphide mineralization is found on the southwest part of the LIV claim block. Mineralization is related to skarnification of the local rock. Sulphides present include pyrite, pyrrhotite and chalcopyrite. The sulphides occur as disseminations in hornblendite and gabbroic mafic rocks. Malachite staining is also present in some of the rocks sampled. The sulphides and malachite staining can be traced in a northeast direction over a distance of approximately 300 meters. Assays of grab samples from the claims have returned several values that are anomalous in copper and gold. One sample assayed 4374 ppm Cu and 327 ppb Au, while two other samples returned values of 4830 ppm Cu, 166 ppb Au and 8167 ppm Cu, 147 ppb Au.

Three soil samples were collected over an area of red gossan (100 m x 50 m) located in a road cut on the claims. One of the samples returned 50 ppb Au.

ROCK ANALYSIS

16 rock grab samples were collected from the property between July 2 and July 9, 2002. The rocks were selected in a random manner to determine if any gold was present in the area. All rock sample analysis results are located in Appendix I on page 12.

The rocks were sent to Acme Laboratories LTD in Vancouver, British Columbia for analysis. At Acme labs the rocks were crushed and sieved to -150 mesh, digested in hot HCL/HNO₃ and analyzed by ICP-MS.

SOIL ANALYSIS

Three reconnaissance soil samples were collected on the property between July 2 and July 9, 2002. Soils were collected over a red gossan to determine if gold was present in the mineralizing system.

Sample sites were dug with a grub hoe and samples were taken, by hand, from the "B" horizon. The samples were collected in wet strength Kraft sample bags and air-dried at camp. All soil sample analysis results are located in Appendix II on page 12.

The soils were sent to Acme Laboratories LTD in Vancouver, British Columbia for analysis. At Acme labs the soils were dried and sieved to -80 mesh, digested in hot HCL/HNO₃ and analyzed by ICP-MS.

CONCLUSIONS AND RECOMMENDATIONS

The LIV claims have potential to host economic copper-gold skarn mineralization. The gossan that is located in a road cut on the southeast part of the claims may represent the location where any new work is directed. The deep red gossan at this location may be reflecting the oxidation of a mineralized zone carrying economic gold values.

Further work is recommended on the LIV claims. To better define the potential for economic gold mineralization on the claims, a property wide soil grid should be constructed and samples taken at 100 m intervals on lines spaced 100 m apart.

To Gems UnLimited LLC													
LIV CLAIMS ROCK GRAB SAMPLES													LIV CLAIMS
ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm
SI	03	07	07	1	< 1	1	01	6	003	< 5	< 1	< 5	< 1
LRS 01	105	305	139	50	03	125	22	231	244	315	05	25	04
LRS 85	117	1152	2	137	02	299	212	592	443	39	03	36	07
LRS 86	08	81676	17	58	45	3246	40	256	396	11	01	1479	02
LRS 87	16	41718	13	89	13	2358	86	390	723	05	03	52	03
LRS 88	192	11403	19	48	06	2469	1229	315	1026	05	03	183	03
LRS 89	08	3387	15	31	04	201	417	351	715	13	01	31	01
LRS 90	34	2344	28	40	02	278	235	346	342	3	09	26	13
RE LRS 90	33	2341	28	39	02	269	232	343	341	29	09	19	13
LRS 91	03	29092	19	15	17	239	108	158	167	09	01	648	02
LRS 92	1	43741	17	23	34	758	218	228	371	08	< 1	3272	< 1
LRS 93	01	3019	04	46	01	199	242	516	575	07	01	34	02
LRS 94	03	48302	16	23	17	461	159	249	292	06	< 1	1665	< 1
LRS 95	05	1273	03	100	01	53	356	901	745	11	< 1	45	< 1
LRS 96	81	224	78	233	< 1	651	514	4313	1157	312	06	07	05
LFS 97	21	415	16	35	< 1	155	43	1271	117	136	02	09	03
LFS 98	07	1749	17	24	01	22	254	387	593	12	02	< 5	04
LRS 99	01	282	05	59	< 1	351	403	993	705	18	01	164	01
DARD DS3	9	1247	32	156	03	357	118	764	321	316	65	193	36

IMS ROCK GRAB SAMPLES

LIV CLAIMS ROCI

Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al
ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%
1	< 1	< 1	< 1	< 1	0.05	< 0.01	< 1	2.9	< 0.1	2	0.001	1	0.01
20	0.5	6.7	< 1	82	0.07	0.024	2	29	0.03	524	0.004	< 1	0.18
47	2.5	0.4	< 1	208	1.5	0.06	3	42.3	1.42	112	0.231	1	2.79
15	3.5	0.7	0.5	188	1.57	0.021	1	80.8	1.04	47	0.119	1	1.17
20	1.2	0.2	< 1	256	1.63	0.033	1	16.6	1.01	69	0.18	3	1.34
94	0.5	< 1	0.1	214	2.42	0.089	4	26.5	0.65	28	0.04	1	3.61
317	0.2	< 1	< 1	135	4.35	0.135	4	10.5	0.73	87	0.128	1	5.85
45	0.1	0.2	< 1	54	1.24	0.188	15	17.4	0.25	49	0.139	1	1
42	0.2	0.3	< 1	54	1.23	0.187	14	17.2	0.25	48	0.138	1	1
24	0.2	0.1	0.1	100	1.45	0.014	< 1	22.1	0.68	57	0.08	1	1.09
27	0.1	< 1	0.3	272	1.4	0.019	< 1	20.9	0.99	111	0.137	1	1.13
52	0.1	< 1	< 1	364	2.74	0.011	1	116	1.39	68	0.252	< 1	1.93
15	0.1	0.1	0.2	225	1.42	0.011	< 1	34	1.01	28	0.123	1	1.09
43	0.9	< 1	< 1	478	2.98	0.006	1	76	1.7	87	0.139	4	1.98
68	3.2	2.5	< 1	148	5.08	0.095	17	6.2	1.18	836	0.009	1	0.5
10	0.4	6.4	< 1	38	0.86	0.006	2	107.1	0.18	50	0.006	2	0.17
148	< 1	< 1	< 1	71	3.27	0.389	5	4.5	0.42	56	0.144	1	3.2
56	0.1	< 1	< 1	558	6.18	0.005	1	11.6	2.27	30	0.164	6	1.94
27	5.8	4.8	5.3	82	0.55	0.082	18	17.5	0.57	138	0.086	2	1.68

K GRAB SAMPLES

Na	K	W	Hg	Sc	Tl	S	Ga
%	%	ppm	ppm	ppm	ppm	%	ppm
0.309	< 0.1	0.5	< 0.1	0.1	< 1	< 0.5	< 1
0.006	0.01	9.2	0.81	1.4	0.3	0.18	1
0.247	0.34	2.1	< 0.1	6.4	0.2	1.85	7
0.068	0.04	0.9	0.01	12.5	< 1	1.49	4
0.088	0.07	0.3	0.01	9.5	< 1	2.96	5
0.197	0.06	0.9	0.01	10.6	0.1	7.72	10
0.535	0.07	0.5	< 0.1	9.7	< 1	4.06	11
0.136	0.07	2.1	< 0.1	1.9	< 1	1.65	4
0.13	0.07	2.1	0.01	1.9	< 1	1.58	3
0.048	0.05	1.3	0.05	12.1	< 1	0.06	3
0.1	0.08	2.1	0.13	18.3	< 1	0.08	4
0.175	0.1	0.4	0.01	21.9	< 1	< 0.5	8
0.073	0.05	0.9	0.06	17.6	< 1	0.08	3
0.052	0.04	0.3	0.01	38.3	0.2	< 0.5	10
0.004	0.03	0.5	0.23	12.1	0.9	0.08	1
0.012	0.07	5.4	0.09	2.1	< 1	0.07	1
0.207	0.16	1	0.01	3.5	< 1	3.39	7
0.042	0.02	0.1	0.02	53.9	< 1	0.63	11
0.03	0.15	3.7	0.21	4	1.1	< 0.5	6

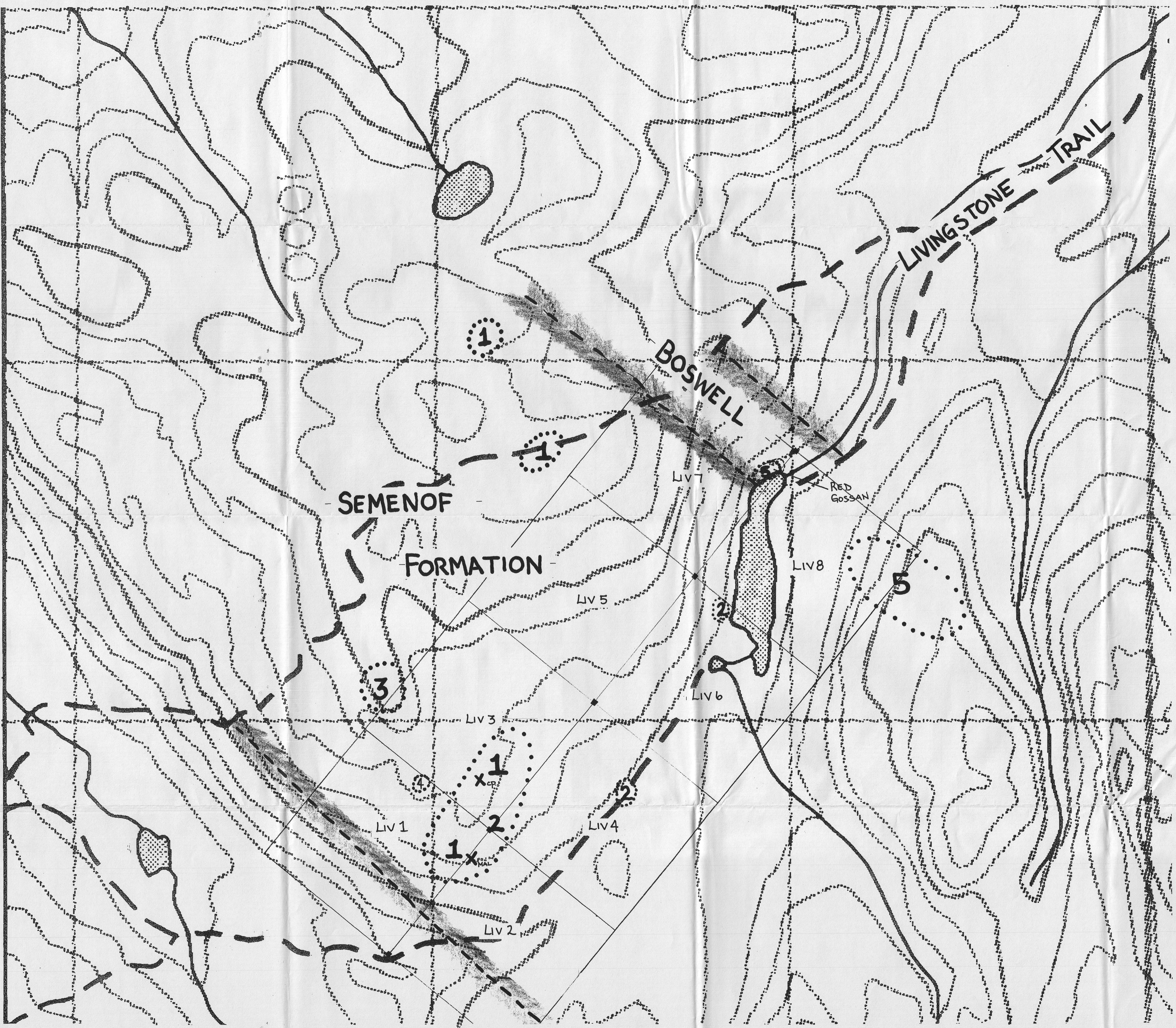
To Gems UnLimited LLC												
RECONNAISSANCE SOIL SAMPLES ACROSS RED GOSSAN ZONE												
ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb
G-1	12	2	2	42	< 1	41	37	499	174	06	26	< 5
LSS 97	68	136.4	52.5	250	27	50.2	6	326	1785	370.3	3.4	50.8
LSS 98	31	95.2	37	671	0.3	167.4	42.9	2227	2172	12.6	3.9	< 5
LSS 99	41.9	205	72.5	31	1.9	25.5	2.3	51	1.8	67.9	1	22.5
STANDAR	9.2	127.3	33.3	160	0.3	34.3	12.1	760	3.25	32.2	6.4	21.7
	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba
	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm
G-1	4.3	68	< 1	< 1	0.2	39	0.51	0.083	7	11.6	0.54	217
LSS 97	2.2	483	0.5	27.9	0.2	614	0.51	0.271	20	50.5	0.3	214
LSS 98	1.4	9	4.4	1.4	0.1	53	0.28	0.069	20	37.1	0.31	105
LSS 99	2.6	215	0.9	28.4	0.5	219	0.65	0.048	16	11.5	0.11	328
STANDAR	3.8	28	6	5.6	6.1	73	0.53	0.084	17	174	0.62	138
	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	
	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	
G-1	0.118	4	0.85	0.075	0.51	2.2	< 0.1	2.8	0.3	< 0.5	5	
LSS 97	0.01	3	1.16	0.09	0.32	0.1	0.96	5.5	5.5	1.25	8	
LSS 98	0.049	3	1.93	0.005	0.05	0.1	0.19	17.9	1.7	0.31	3	
LSS 99	0.006	8	0.33	0.017	0.16	0.1	4.2	5.1	7.6	0.43	2	
STANDAR	0.082	2	1.74	0.032	0.16	4.2	0.26	4.1	1.2	< 0.5	6	

Gems UnLimited LLC
LIV GPS SAMPLE LOCATIONS

UTM

LRS 01	528922E	6794699N
LRS 85	528291E	6794754N
LRS 86	528139E	6793875N
LRS 87	528137E	6793872N
LRS 88	528111E	6793809N
LRS 89	528128E	6793726N
LRS 90	528097E	6793687N
LRS 91	527964E	6793807N
LRS 92	528082E	6793621N
LRS 93	528005E	6793625N
LRS 94	528807E	6794961N
LRS 95	528824E	6794903N
LRS 96	528811E	6794892N
LFS 97	528929E	6794713N
LFS 98	528814E	6794315N
LRS 99	528527E	6793796N
LSS 97	528992E	6794739N
LSS 98	528943E	6794721N
LSS 99	528930E	6794710N

90
95
94



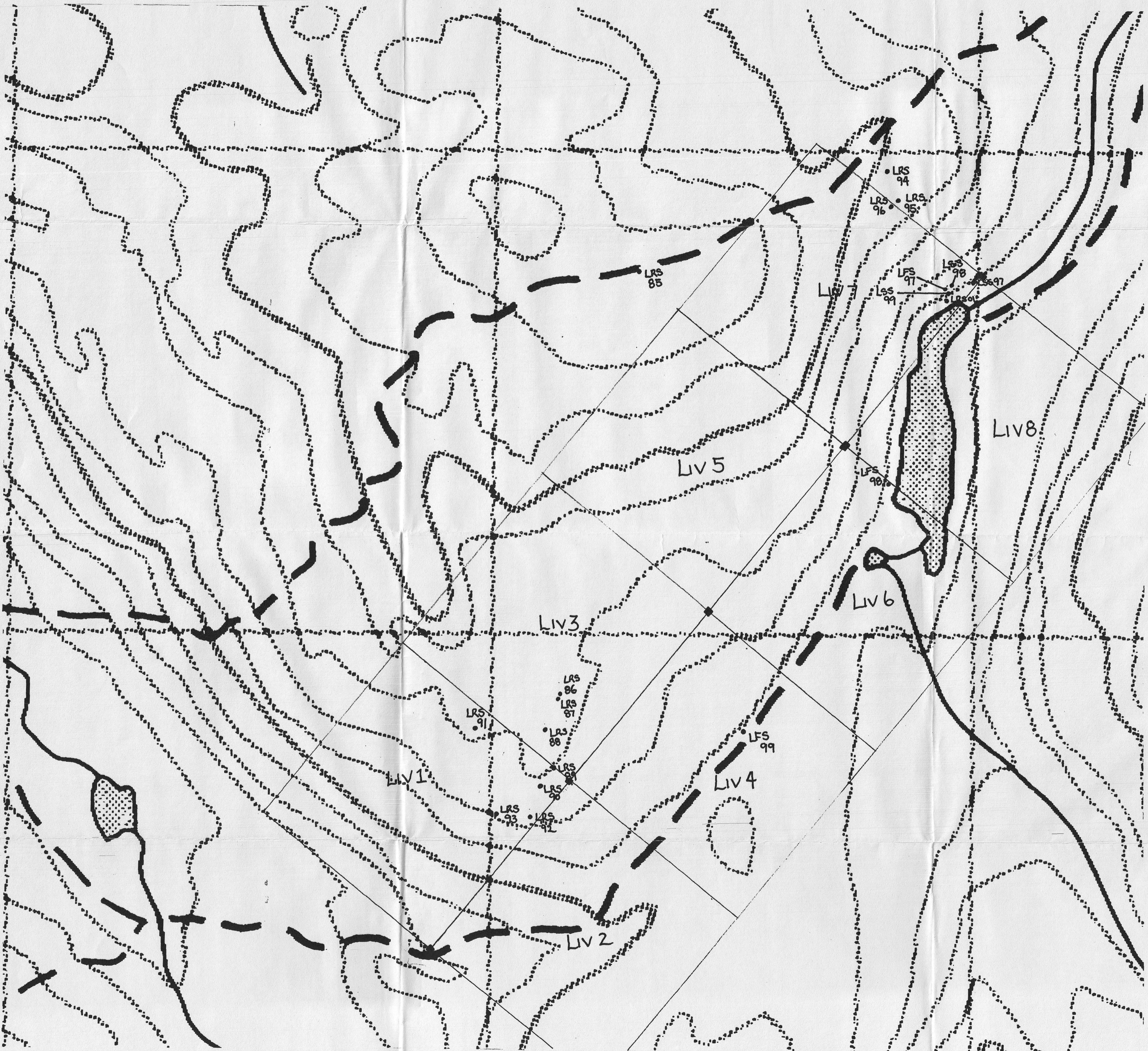
1	- SEMENOF FORMATION - Hornblende
2	- SEMENOF FORMATION - Gabbroic rocks
3	- SEMENOF FORMATION - Mafic rocks (amphibolite)
4	- BOSWELL FORMATION - Andesite breccia
5	- BOSWELL FORMATION - Argillite with limestone
(Dotted circle)	- RED GOSSAN ZONE
(Dashed line)	- GEOLOGICAL CONTACT (assumed)
X _{cp}	- MINERAL OCCURRENCE
(Dotted circle)	- AREA OF ROCK OUTCROP

GEMS UNLIMITED LLC

LIV CLAIMS 1-8
PRELIMINARY
GEOLOGY

105 E 08
LIVINGSTONE CREEK

0 115 230 345 460
Meters
SCALE 1:5000



GEMS UNLIMITED LLC

LIV CLAIMS 1-8
ROCK & SOIL
SAMPLE LOCATIONS

105 E 8
LIVINGSTONE CREEK

0 115 230 345 460

Meters

SCALE 1:5000

N

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MAP POCKET Property Geology Map, Sample Locations Map	

SUMMARY

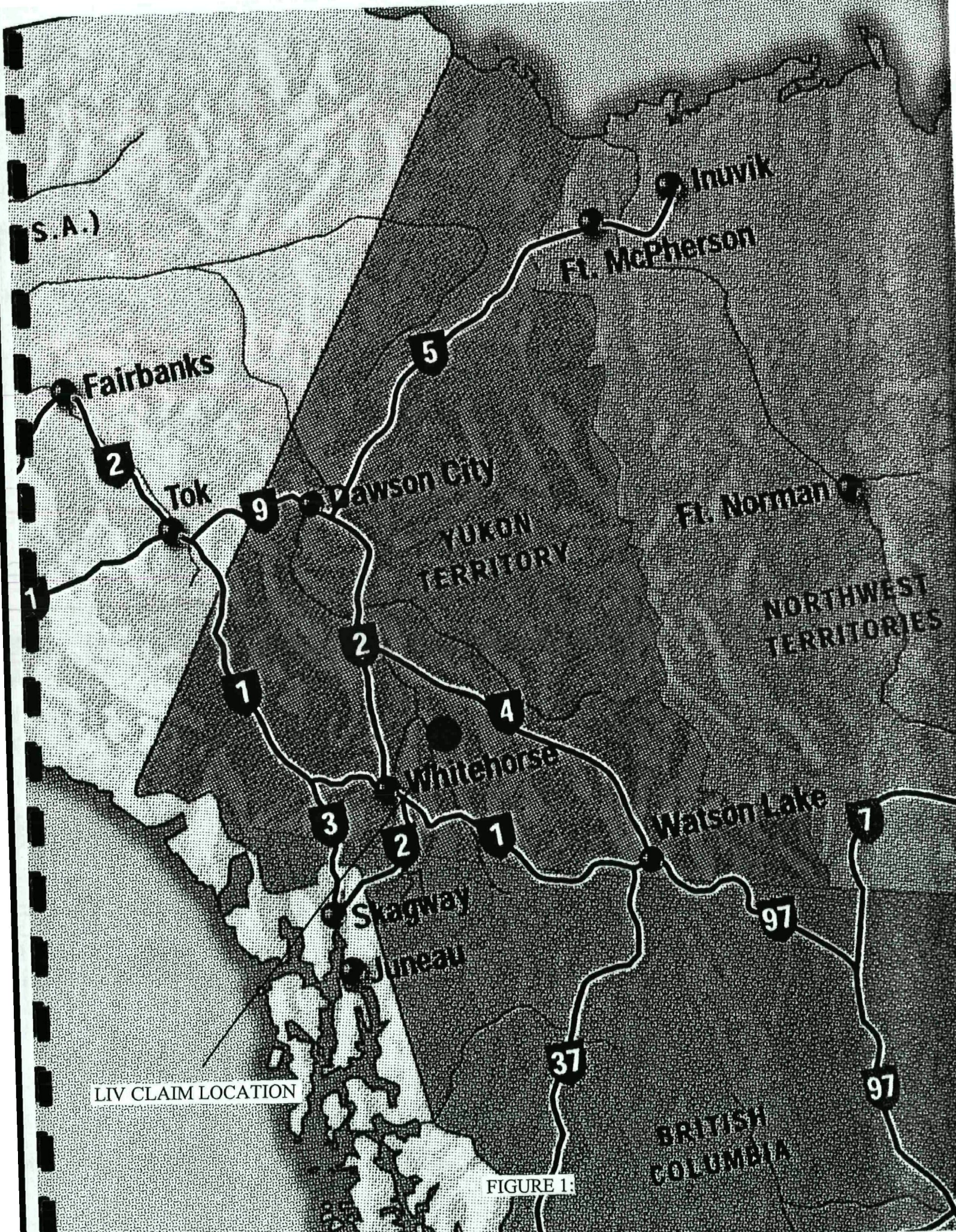
The LIV (1-8) claims are underlain by coarse to medium grained hornblendite-gabbroic rocks. The hornblendite grades to a fine grained mafic rock in the more central part of the claims. The mafic rocks may be in contact with the calcareous units further east, but a lack of outcrop has prevented a confirmation of this association. All of the rock units are associated with the Boswell/Semenof Terrain that is mapped in this area.

Prospecting and rock assays have identified a minor copper gold skarn that exists on the southwest portion of the LIV claims. The copper and gold mineralization found on the claim block, is associated with skarnification of the mafic/ultramafic rocks.

A red gossan 100 m x 50 m is located by the edge of a cat trail on the eastern portions of the claim block. A soil sample taken from the gossan assayed 50 ppb Au.

Grab sampling across the western portion of the claims returned values up to 8167 ppm Cu and 365 ppb Au.

A properly executed soil sample program across the entire property may reveal gold targets that have not been identified as of yet.



LIV CLAIM LOCATION

FIGURE 1:

INTRODUCTION

The LIV (1-8) claims were staked while prospecting for mineralization associated with a copper/gold geochemical anomaly that was detected in streams draining the area north of the claims. Work was carried out on the property between July 2 and July 9, 2002 by personnel from GEMS UNLIMITED LLC.

This report will discuss the geology of the claims and the analytical results from rock and soil sampling conducted on the claim group. The purpose of the work was to identify a mineralization gossan zone that had been reported in work previously conducted in the area and to assay samples taken from the area for their gold content.

LOCATION AND ACCESS

The LIV claims are located on N T S mapsheet 105 E 08 within the Whitehorse Mining District. The claims are located approximately 80 kilometers northeast of Whitehorse, Yukon. The claims can be accessed from Whitehorse by helicopter.

PYHSIOGRAPHY, VEGETATION AND CLIMATE

The claim group is located in a heavily forested area of low rolling hills to slightly mountainous terrain. The highest point in the area is 1060 m. Drainage in the area is good. Local creeks have a continuous supply of water during the spring and summer months. Most of the creek water is provided from melting permafrost. Swamps, marshes and small lakes are abundant in the area.

Vegetation in the area is very dense. Willow, Black Spruce, and Poplar trees are found throughout the entire area. The terrain is generally very swampy and moss and long grasses are found everywhere.

The climate of the area is typical of the interior continental region at this latitude. Winters are long with short hours of daylight and average daily temperatures of -20 Celsius. Summers are pleasant and warm with long days (20 hours of daylight on June 21), although it can be quite rainy at times. There is a yearly average of 120 days of precipitation. The average summer temperature is 22 Celsius with highs ranging into the low 30's.

HISTORY AND PREVIOUS WORK

Minor exploration has taken place in the LIV claim area. The area is located immediately west of the Livingstone Placer Camp. With the location being so close to an active mining area it could be fair to say that prospectors, over the years, could have thoroughly investigated the area, or at least slightly investigated it, while walking through it. Tempelman-Kluit mapped the general area, for the Geological Survey of Canada in 1984. The area will be mapped at 1:50,000 scale in the summer of 2003 by geologists working for the Yukon Geology Program.

The Snow claims were staked in Feb/63 by C. McLennan and restaked as the Napua claims in Apr/71 by L. Engle. The claims were explored by hand pitting and some soil sampling. No mineralization was found. The claims were staked on a pyritic gossan exposed in a road cut. Limestone and argillite rocks of Triassic age are exposed in the road cut.

PROPERTY AND CLAIM STATUS

The claims discussed in this report consist of 8 contiguous two post mineral claims. The claim status is listed below.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date</u>
LIV 1-8	YC19578-85	JULY11, 2003

All claims are 100% owned by Mark Lindsay of Whitehorse, Yukon.

2002 WORK COMPLETED

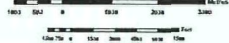
GEMS Unlimited LLC conducted prospecting, rock sampling on the LIV claims in 2002.

16 rock grab samples and 3 soil samples were taken from the claim block between July 2-9, 2002.

Prospector Mark Lindsay and GEMS Unlimited LLC employee, Charles Masters, collected all samples from the property.

105 E/08

LATITUDE 51°18' TO 51°30'
LONGITUDE 134°00' TO 134°30'



DECEMBER 4, 2008

Indian and Northern Affairs Canada
Affaires Indiennes et du Nord Canada

105 E 07	105 E 08	105 E 09
105 E 07	105 E 08	105 E 09
105 E 08	105 E 09	105 E 10



- River/Stream
- National Road
- Provincial Road
- Municipal Road
- Railway
- Power Line
- Pipeline
- Telephone Line
- Gas Line
- Water Line
- Sewer Line
- Electric Line
- Other Utility
- Other

LEGEND

— River/Stream
— National Road
— Provincial Road
— Municipal Road
— Railway
— Power Line
— Pipeline
— Telephone Line
— Gas Line
— Water Line
— Sewer Line
— Electric Line
— Other Utility
— Other

NOTES

1. This map is a reproduction of the original map as filed with the Department of Indian and Northern Affairs Canada.

2. The map is based on the 1:50,000 scale map of the area.

3. The map is based on the 1:50,000 scale map of the area.

4. The map is based on the 1:50,000 scale map of the area.

5. The map is based on the 1:50,000 scale map of the area.

6. The map is based on the 1:50,000 scale map of the area.

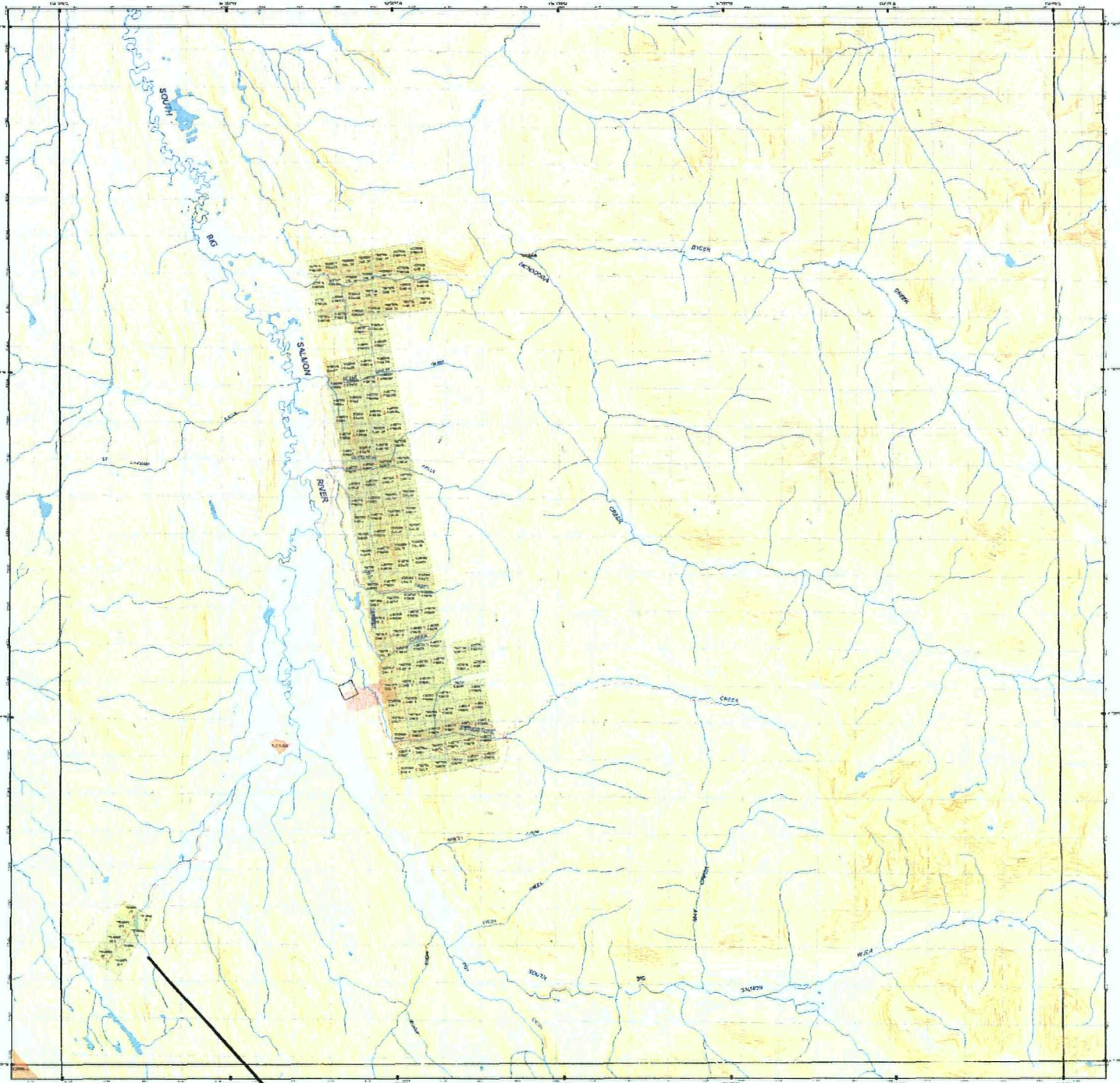
7. The map is based on the 1:50,000 scale map of the area.

8. The map is based on the 1:50,000 scale map of the area.

9. The map is based on the 1:50,000 scale map of the area.

10. The map is based on the 1:50,000 scale map of the area.

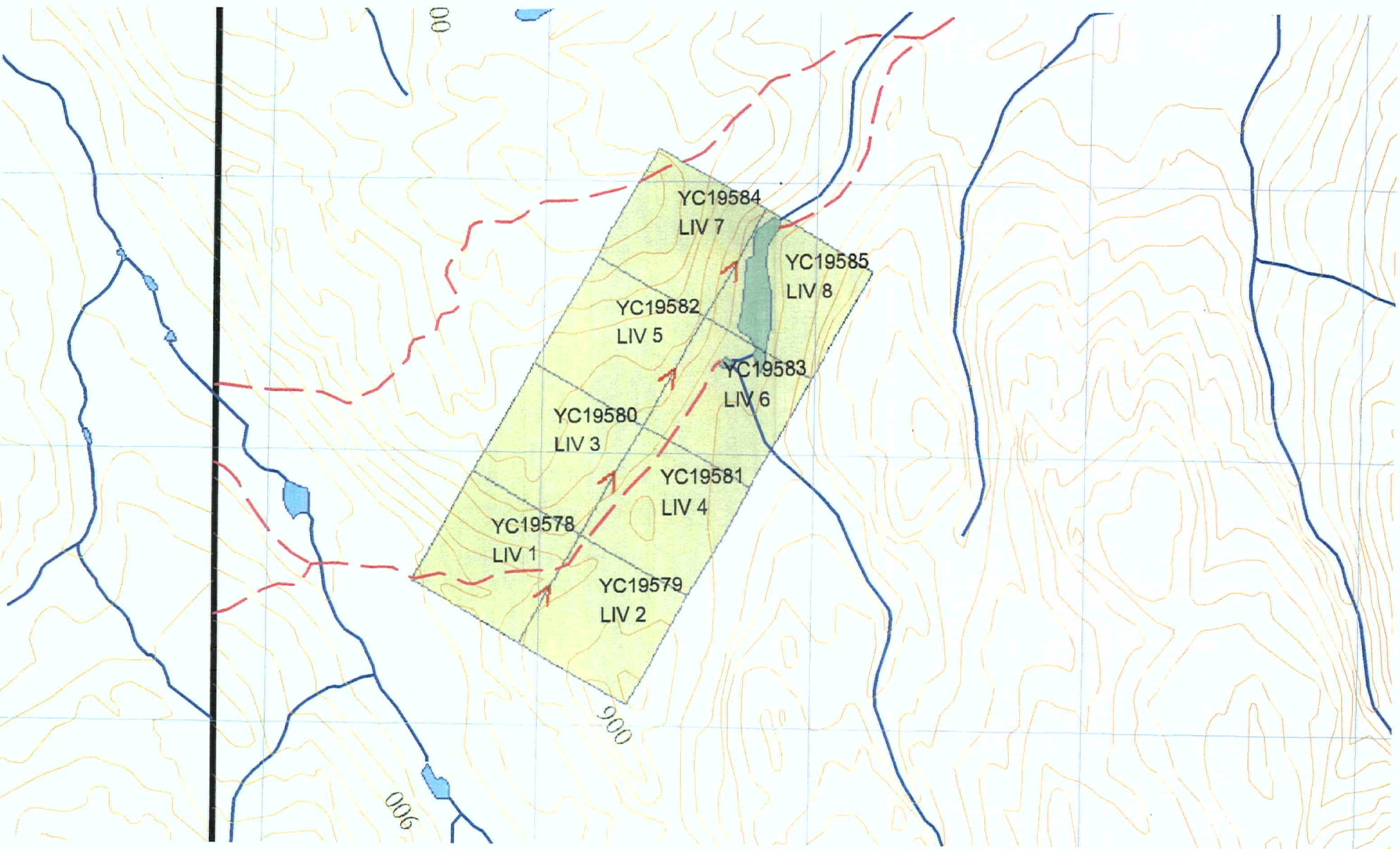
WHITEHORSE MINING DISTRICT



LIV CLAIM LOCATION

105 E/08

FIGURE 2:



REGIONAL GEOLOGY

The LIV Claims occur within the Pennsylvanian Boswell and Semenof formations. These formations are described by Tempelman-Kluit (1984) as an assemblage of recessive mixed clastic strata and minor greenstone with *altered mafic volcanics, gabbro and limestone*, as well as resistant, massive, dark green, altered andesite and basalt, volcanic breccia, tuff and greenstone, minor rhyolite breccia and *argillite*. The Boswell/Semenof formation exists within the Quesnellia terrane, an arc related package of volcanic, volcanoclastic and comagmatic intrusive rocks, which are overlain by arc derived clastics. This package of rocks was accreted to North America in the Jurassic. An accurate description of the geology of the LIV claims will be available after GSC mapping is conducted in 2003.

PROPERTY GEOLOGY

Table of Formations

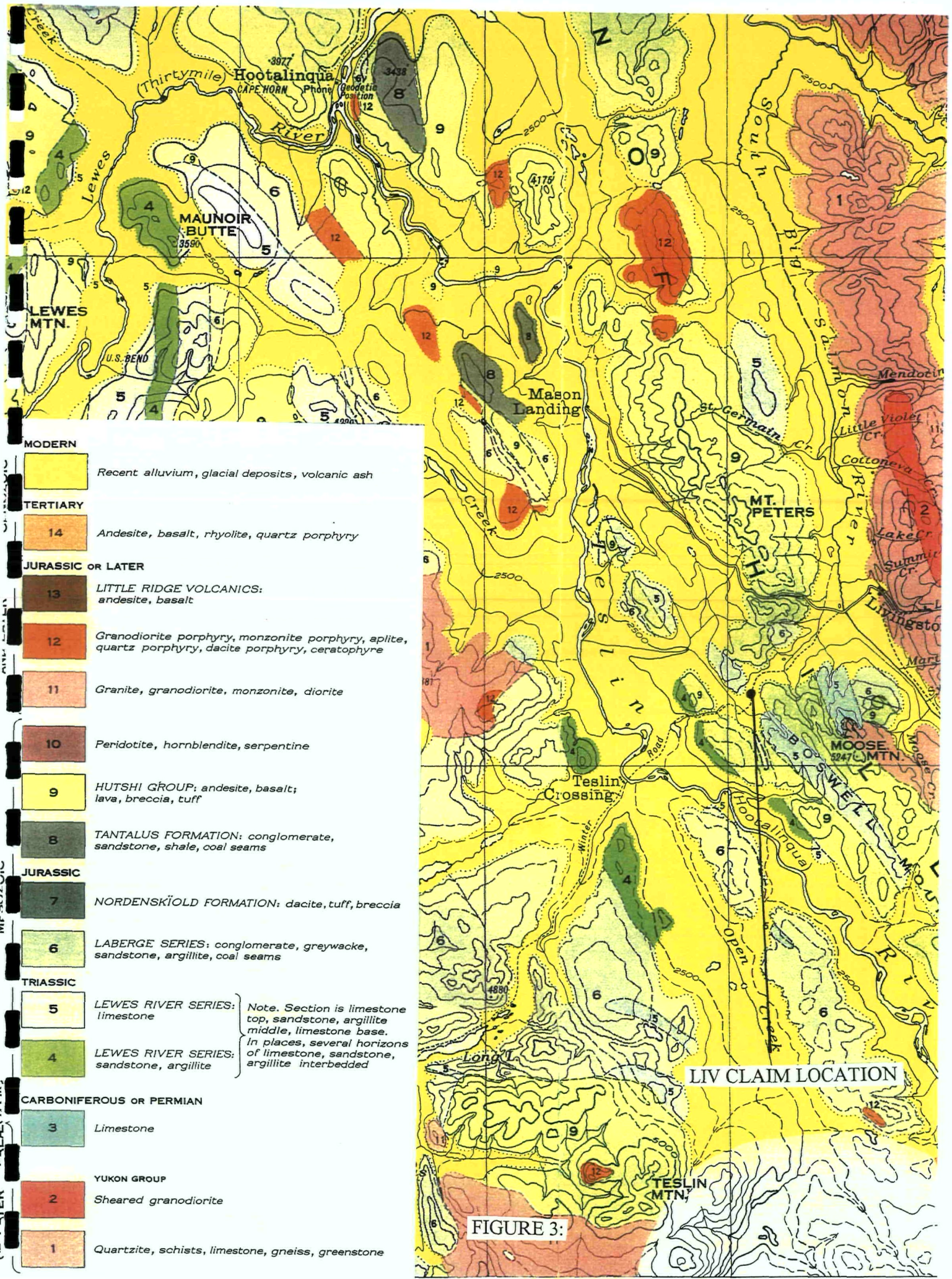
Upper Carboniferous Lower and Middle Pennsylvanian	SEMENOFF	Massive, dark weathering, coarse to medium grained, hornblendite-gabbro and limestone
Upper Carboniferous Lower and Middle Pennsylvanian	BOSWELL	Altered andesite and basalt, volcanic breccia and argillite

Semenoff Formation

The rocks of the Semenoff formation are the most exposed unit in the area of the claims. Hornblendite, gabbro and other mafic rocks cover approximately 50% of the claims. The Hornblendite, a greenish black, coarse grained rock, is cut through in places by veins carrying green and white minerals (diopside?). Hornblende crystals that average 2 mm in size dominated the rock, with 4 mm crystals being the largest noted. A limey coating was observed on some of the Hornblende samples. Rocks that appear to be more gabbroic in nature occur in the south central claim area. The greenish-grey, medium grained rock has a mottled appearance with light and dark patches, and long rodlike pyroxene minerals orientated in many directions. A dark fine-grained mafic rock was often seen in the northwest and central part of the claims. The rock has the appearance of an amphibolite (It could also be a meta-basalt of the Boswell Formation). A grey rusty, weathered (argillaceous) limestone is exposed in a road cut on the southeast side of the claims.

Boswell Formation

Rocks that are associated with the Boswell Formation occur in two locations on the claims. A green and maroon, coarse grained, andesitic volcanic breccia outcrops in the west part of the claims. The rock appears to be an isolated occurrence, as mafic rocks can be found completely surrounding the outcrop. At the other location, a dark, rusty, fractured, silicified argillite was found in a road cut intermixed with grey limestone.



MODERN	Recent alluvium, glacial deposits, volcanic ash
TERTIARY	
14	Andesite, basalt, rhyolite, quartz porphyry
JURASSIC OR LATER	
13	LITTLE RIDGE VOLCANICS: andesite, basalt
12	Granodiorite porphyry, monzonite porphyry, aplite, quartz porphyry, dacite porphyry, ceratophyre
11	Granite, granodiorite, monzonite, diorite
10	Peridotite, hornblendite, serpentine
9	HUTSHI GROUP: andesite, basalt; lava, breccia, tuff
8	TANTALUS FORMATION: conglomerate, sandstone, shale, coal seams
JURASSIC	
7	NORDENSKJÖLD FORMATION: dacite, tuff, breccia
6	LABERGE SERIES: conglomerate, greywacke, sandstone, argillite, coal seams
TRIASSIC	
5	LEWES RIVER SERIES: limestone
4	LEWES RIVER SERIES: sandstone, argillite
CARBONIFEROUS OR PERMIAN	
3	Limestone
YUKON GROUP	
2	Sheared granodiorite
1	Quartzite, schists, limestone, gneiss, greenstone

Note. Section is limestone top, sandstone, argillite middle, limestone base. In places, several horizons of limestone, sandstone, argillite interbedded

LIV CLAIM LOCATION

FIGURE 3:

Structure

Two structural trends occur in the area of the claims. An apparent northeast/southwest trending fault lineament is located on the south boundary of the claims. This inferred fault structure is about 300 m at claim block location. Government Aeromagnetic Maps show two large anomalies that can be seen following, in a linear fashion, the same trend as the fault. The other structure in the area is the major Boswell Fault, which is located immediately to the southwest of the claims.

The author can not detail with any certainty the structural relationships of the rock units described earlier within the claim block, other than to say, the mafic rocks may be in contact with the limestone and argillite units to the east.

Metamorphism and Alteration

The rock units on the LIV claims have been subjected to alteration. Skarnification seems to be evident in some of the rock samples taken from the claims. Veins carrying green and white minerals, found cutting through samples of hornblendite, appear to be evidence of possible calc-silicate alteration, although a fresh surface of the vein does not react to acid, but the same rock has a limey white coating that does react strongly to acid. Silicification may be evident in the area where the limestone and argillite outcrop at the road cut. The argillite has many small quartz filled fractures within it. It also appears to be a chert like or hornfelsic in nature. This may be evidence of contact metamorphic alteration from a deeper seated granite in the area.

ECONOMIC GEOLOGY

Sulphide mineralization is found on the southwest part of the LIV claim block. Mineralization is related to skarnification of the local rock. Sulphides present include pyrite, pyrrhotite and chalcopyrite. The sulphides occur as disseminations in hornblendite and gabbroic mafic rocks. Malachite staining is also present in some of the rocks sampled. The sulphides and malachite staining can be traced in a northeast direction over a distance of approximately 300 meters. Assays of grab samples from the claims have returned several values that are anomalous in copper and gold. One sample assayed 4374 ppm Cu and 327 ppb Au, while two other samples returned values of 4830 ppm Cu, 166 ppb Au and 8167 ppm Cu, 147 ppb Au.

Three soil samples were collected over an area of red gossan (100 m x 50 m) located in a road cut on the claims. One of the samples returned 50 ppb Au.

ROCK ANALYSIS

16 rock grab samples were collected from the property between July 2 and July 9, 2002. The rocks were selected in a random manner to determine if any gold was present in the area. All rock sample analysis results are located in Appendix I on page 12.

The rocks were sent to Acme Laboratories LTD in Vancouver, British Columbia for analysis. At Acme labs the rocks were crushed and sieved to -150 mesh, digested in hot HCL/HNO₃ and analyzed by ICP-MS.

SOIL ANALYSIS

Three reconnaissance soil samples were collected on the property between July 2 and July 9, 2002. Soils were collected over a red gossan to determine if gold was present in the mineralizing system.

Sample sites were dug with a grub hoe and samples were taken, by hand, from the "B" horizon. The samples were collected in wet strength Kraft sample bags and air-dried at camp. All soil sample analysis results are located in Appendix II on page 12.

The soils were sent to Acme Laboratories LTD in Vancouver, British Columbia for analysis. At Acme labs the soils were dried and sieved to -80 mesh, digested in hot HCL/HNO₃ and analyzed by ICP-MS.

CONCLUSIONS AND RECOMMENDATIONS

The LIV claims have potential to host economic copper-gold skarn mineralization. The gossan that is located in a road cut on the southeast part of the claims may represent the location where any new work is directed. The deep red gossan at this location may be reflecting the oxidation of a mineralized zone carrying economic gold values.

Further work is recommended on the LIV claims. To better define the potential for economic gold mineralization on the claims, a property wide soil grid should be constructed and samples taken at 100 m intervals on lines spaced 100 m apart.

To Gems UnLimited LLC													
LIV CLAIMS ROCK GRAB SAMPLES													LIV CLAI
ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm
SI	03	07	07	1	< 1	1	01	6	003	< 5	< 1	< 5	< 1
LRS 01	105	305	139	50	03	125	22	231	244	315	05	25	04
LRS 85	117	1152	2	137	02	299	212	592	443	39	03	36	07
LRS 86	08	81676	17	58	45	3246	40	256	396	11	01	1479	02
LRS 87	16	41718	13	89	13	2358	86	390	723	05	03	52	03
LRS 88	192	11403	19	48	06	2469	1229	315	1026	05	03	183	03
LRS 89	08	3387	15	31	04	201	417	351	715	13	01	31	01
LRS 90	34	2344	28	40	02	278	235	346	342	3	09	26	13
RE LRS 90	33	2341	28	39	02	269	232	343	341	29	09	19	13
LRS 91	03	29092	19	15	17	239	108	158	167	09	01	648	02
LRS 92	1	43741	17	23	34	758	218	228	371	08	< 1	3272	< 1
LRS 93	01	3019	04	46	01	199	242	516	575	07	01	34	02
LRS 94	03	48302	16	23	17	461	159	249	292	06	< 1	1665	< 1
LRS 95	05	1273	03	100	01	53	356	901	745	11	< 1	45	< 1
LRS 96	81	224	78	233	< 1	651	514	4313	1157	312	06	07	05
LFS 97	21	415	16	35	< 1	155	43	1271	117	136	02	09	03
LFS 98	07	1749	17	24	01	22	254	387	593	12	02	< 5	04
LRS 99	01	282	05	59	< 1	351	403	993	705	18	01	164	01
DARD DS3	9	1247	32	156	03	357	118	764	321	316	65	193	36

IMS ROCK GRAB SAMPLES

LIV CLAIMS ROCI

Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al
ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%
1	< 1	< 1	< 1	< 1	0.05	< 0.01	< 1	2.9	< 0.1	2	0.001	1	0.01
20	0.5	6.7	< 1	82	0.07	0.024	2	29	0.03	524	0.004	< 1	0.18
47	2.5	0.4	< 1	208	1.5	0.06	3	42.3	1.42	112	0.231	1	2.79
15	3.5	0.7	0.5	188	1.57	0.021	1	80.8	1.04	47	0.119	1	1.17
20	1.2	0.2	< 1	256	1.63	0.033	1	16.6	1.01	69	0.18	3	1.34
94	0.5	< 1	0.1	214	2.42	0.089	4	26.5	0.65	28	0.04	1	3.61
317	0.2	< 1	< 1	135	4.35	0.135	4	10.5	0.73	87	0.128	1	5.85
45	0.1	0.2	< 1	54	1.24	0.188	15	17.4	0.25	49	0.139	1	1
42	0.2	0.3	< 1	54	1.23	0.187	14	17.2	0.25	48	0.138	1	1
24	0.2	0.1	0.1	100	1.45	0.014	< 1	22.1	0.68	57	0.08	1	1.09
27	0.1	< 1	0.3	272	1.4	0.019	< 1	20.9	0.99	111	0.137	1	1.13
52	0.1	< 1	< 1	364	2.74	0.011	1	116	1.39	68	0.252	< 1	1.93
15	0.1	0.1	0.2	225	1.42	0.011	< 1	34	1.01	28	0.123	1	1.09
43	0.9	< 1	< 1	478	2.98	0.006	1	76	1.7	87	0.139	4	1.98
68	3.2	2.5	< 1	148	5.08	0.095	17	6.2	1.18	836	0.009	1	0.5
10	0.4	6.4	< 1	38	0.86	0.006	2	107.1	0.18	50	0.006	2	0.17
148	< 1	< 1	< 1	71	3.27	0.389	5	4.5	0.42	56	0.144	1	3.2
56	0.1	< 1	< 1	558	6.18	0.005	1	11.6	2.27	30	0.164	6	1.94
27	5.8	4.8	5.3	82	0.55	0.082	18	17.5	0.57	138	0.086	2	1.68

K GRAB SAMPLES

Na	K	W	Hg	Sc	Tl	S	Ga
%	%	ppm	ppm	ppm	ppm	%	ppm
0.309	< 01	0.5	< 01	0.1	< 1	< 05	< 1
0.006	0.01	9.2	0.81	1.4	0.3	0.18	1
0.247	0.34	2.1	< 01	6.4	0.2	1.85	7
0.068	0.04	0.9	0.01	12.5	< 1	1.49	4
0.088	0.07	0.3	0.01	9.5	< 1	2.96	5
0.197	0.06	0.9	0.01	10.6	0.1	7.72	10
0.535	0.07	0.5	< 01	9.7	< 1	4.06	11
0.136	0.07	2.1	< 01	1.9	< 1	1.65	4
0.13	0.07	2.1	0.01	1.9	< 1	1.58	3
0.048	0.05	1.3	0.05	12.1	< 1	0.06	3
0.1	0.08	2.1	0.13	18.3	< 1	0.08	4
0.175	0.1	0.4	0.01	21.9	< 1	< 05	8
0.073	0.05	0.9	0.06	17.6	< 1	0.08	3
0.052	0.04	0.3	0.01	38.3	0.2	< 05	10
0.004	0.03	0.5	0.23	12.1	0.9	0.08	1
0.012	0.07	5.4	0.09	2.1	< 1	0.07	1
0.207	0.16	1	0.01	3.5	< 1	3.39	7
0.042	0.02	0.1	0.02	53.9	< 1	0.63	11
0.03	0.15	3.7	0.21	4	1.1	< 05	6

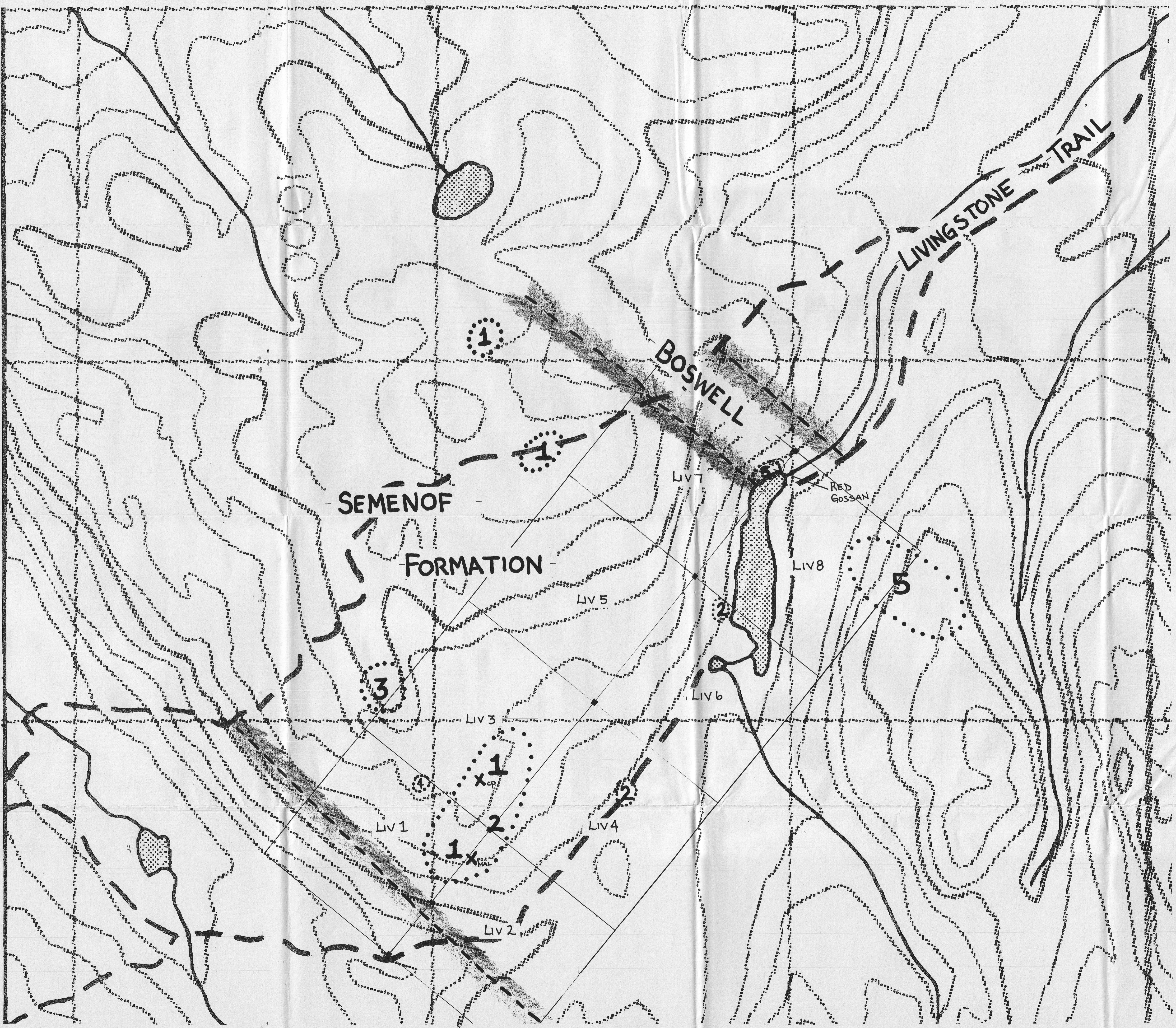
To Gems UnLimited LLC												
RECONNAISSANCE SOIL SAMPLES ACROSS RED GOSSAN ZONE												
ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb
G-1	12	2	2	42	< 1	41	37	499	174	06	26	< 5
LSS 97	68	136.4	52.5	250	27	50.2	6	326	1785	370.3	3.4	50.8
LSS 98	31	95.2	37	671	0.3	167.4	42.9	2227	2172	12.6	3.9	< 5
LSS 99	41.9	205	72.5	31	1.9	25.5	2.3	51	1.8	67.9	1	22.5
STANDAR	9.2	127.3	33.3	160	0.3	34.3	12.1	760	3.25	32.2	6.4	21.7
	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba
	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm
G-1	4.3	68	< 1	< 1	0.2	39	0.51	0.083	7	11.6	0.54	217
LSS 97	2.2	483	0.5	27.9	0.2	614	0.51	0.271	20	50.5	0.3	214
LSS 98	1.4	9	4.4	1.4	0.1	53	0.28	0.069	20	37.1	0.31	105
LSS 99	2.6	215	0.9	28.4	0.5	219	0.65	0.048	16	11.5	0.11	328
STANDAR	3.8	28	6	5.6	6.1	73	0.53	0.084	17	174	0.62	138
	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	
	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	
G-1	0.118	4	0.85	0.075	0.51	2.2	< 0.1	2.8	0.3	< 0.5	5	
LSS 97	0.01	3	1.16	0.09	0.32	0.1	0.96	5.5	5.5	1.25	8	
LSS 98	0.049	3	1.93	0.005	0.05	0.1	0.19	17.9	1.7	0.31	3	
LSS 99	0.006	8	0.33	0.017	0.16	0.1	4.2	5.1	7.6	0.43	2	
STANDAR	0.082	2	1.74	0.032	0.16	4.2	0.26	4.1	1.2	< 0.5	6	

Gems UnLimited LLC
LIV GPS SAMPLE LOCATIONS

UTM

LRS 01	528922E	6794699N
LRS 85	528291E	6794754N
LRS 86	528139E	6793875N
LRS 87	528137E	6793872N
LRS 88	528111E	6793809N
LRS 89	528128E	6793726N
LRS 90	528097E	6793687N
LRS 91	527964E	6793807N
LRS 92	528082E	6793621N
LRS 93	528005E	6793625N
LRS 94	528807E	6794961N
LRS 95	528824E	6794903N
LRS 96	528811E	6794892N
LFS 97	528929E	6794713N
LFS 98	528814E	6794315N
LRS 99	528527E	6793796N
LSS 97	528992E	6794739N
LSS 98	528943E	6794721N
LSS 99	528930E	6794710N

90
95
94



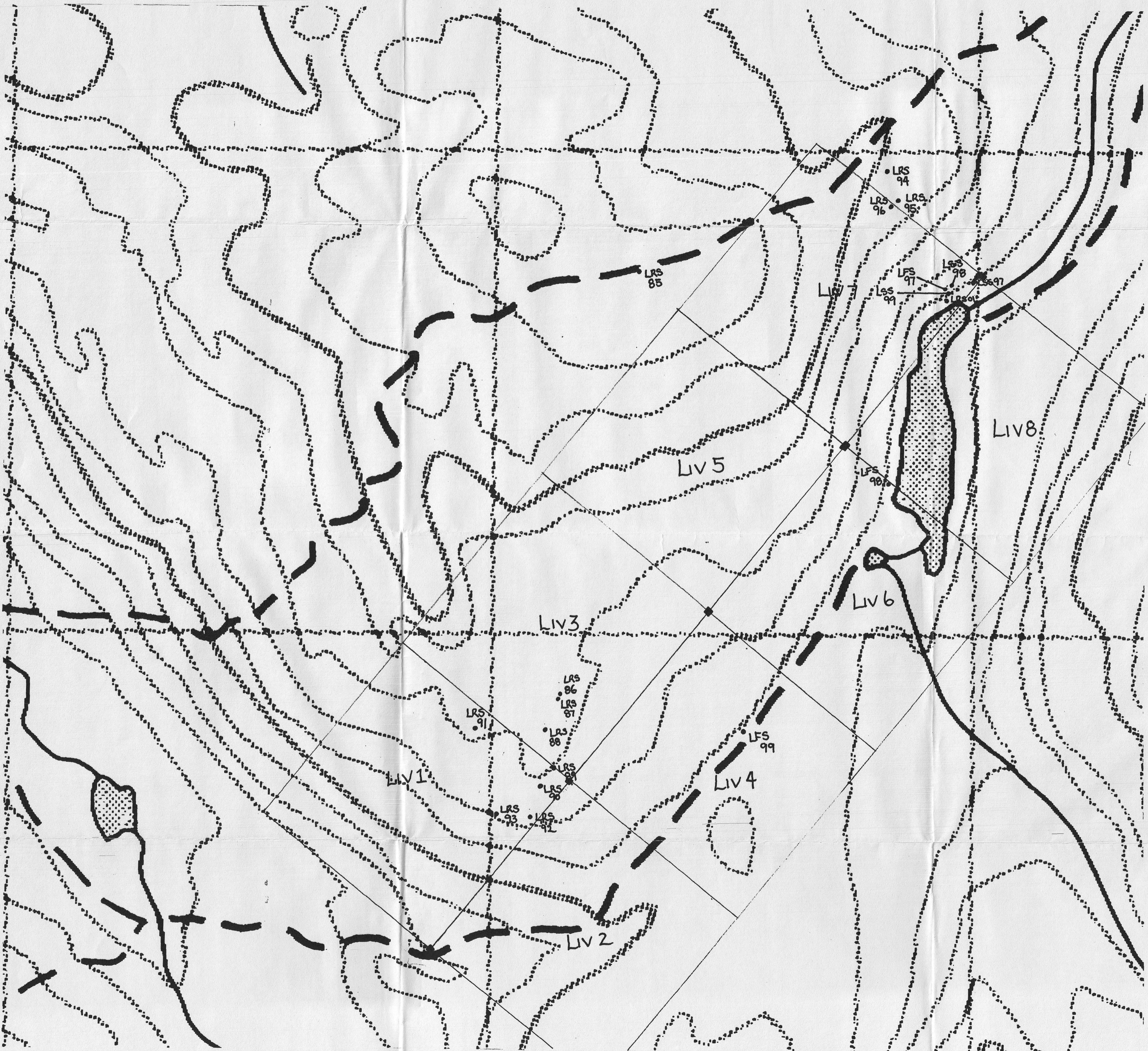
1	- SEMENOF FORMATION - Hornblende
2	- SEMENOF FORMATION - Gabbroic rocks
3	- SEMENOF FORMATION - Mafic rocks (amphibolite)
4	- BOSWELL FORMATION - Andesite breccia
5	- BOSWELL FORMATION - Argillite with limestone
(Dashed line)	- RED GOSSAN ZONE
(Dotted line)	- GEOLOGICAL CONTACT (assumed)
X _{cp}	- MINERAL OCCURRENCE
(Dotted circle)	- AREA OF ROCK OUTCROP

GEMS UNLIMITED LLC

LIV CLAIMS 1-8
PRELIMINARY
GEOLOGY

105 E 08
LIVINGSTONE CREEK

0 115 230 345 460
Meters
SCALE 1:5000



GEMS UNLIMITED LLC

LIV CLAIMS 1-8
ROCK & SOIL
SAMPLE LOCATIONS

105 E 8
LIVINGSTONE CREEK

0 115 230 345 460

Meters

SCALE 1:5000

N