



52J07SW9277 52J07SW30 HOUGHTON LAKE

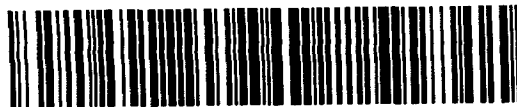
010

GEOCHEMICAL SURVEY REPORT
SAVANT LAKE PROPERTIES
CUMBERLAND RESOURCES LIMITED

Armit Lake, Grebe Lake and Houghton Lake Areas
Patricia Mining District

OM 83-2-JV-133

May, 1984
Gordon Steinert,
Geologist



52J07SW9277 52J07SW30 HOUGHTON LAKE

010C

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INTRODUCTION

During the month of August, 1983, Cumberland Resources Ltd. operated a geochemical soil sampling program on the combined properties in Armit Lake, Grebe Lake and Houghton Lake Areas of Ontario. The properties are recorded in the name of Cumberland Resources Limited and owned through legal agreement by Cumberland Resources Limited, Thunder Bay, Ont. 50%; Vestor Explorations Limited, Richmond, B.C. 25%; and Redfern Resources Limited, Richmond, B.C. 25%. By agreement of the partners, Cumberland Resources Limited is the manager in charge of exploration on these properties.

This report is prepared to fulfil the requirements for the Ontario Mineral Exploration Program grant application.

The field survey party consisted of 4 men. The project was supervised by William McCrindle, geologist.

The Houghton-Island Lakes property consists of 2 separate groups totalling 53 unpatented mining claims situated in the Houghton Lake Claim map. The Shoehorn Lake property consists of 48 contiguous unpatented mining claims situated in the Armit Lake and Grebe Lake Claim maps. The Shoehorn Lake property is located 3 km. northeast of the Houghton-Island Lakes property.

The data contained in this report is derived from the analytical geochemical results determined for 501 samples; 226 from the Houghton-Island Lakes property and 275 from the Shoehorn Lake property. All samples were analysed for 26 elements by the ICP method at Min-En Laboratories in North Vancouver.

The geochemical data was plotted and contoured by hand. Geochemical maps for elements, arsenic, lead, molybdenum and silver are included with this report.

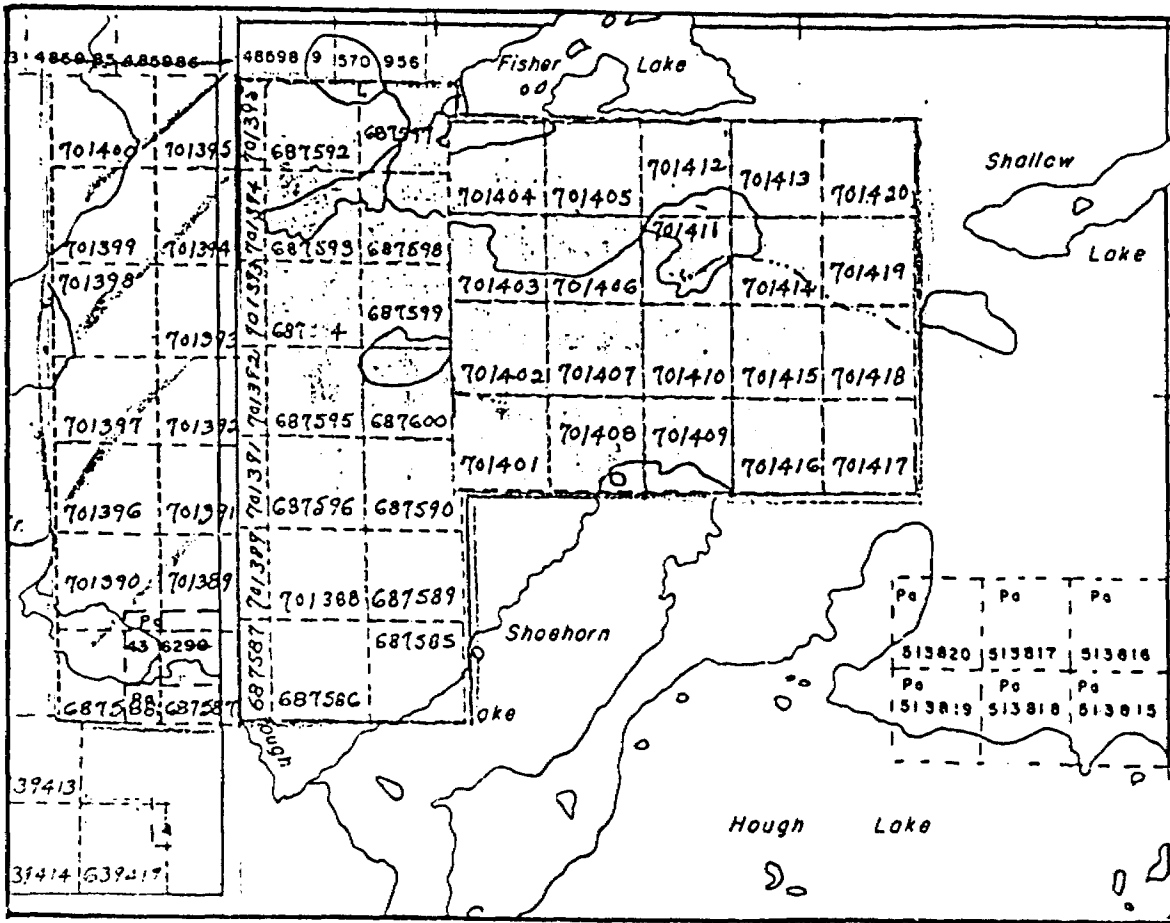
PROPERTY DESCRIPTION

The recorded holder of the properties is Cumberland Resources Limited of Thunder Bay. A total of 101 claims comprise these properties. The claims cover land that is similar in geological stratigraphy and structure and thus are considered together in this report. In the Houghton Lake Area, two groups of 25 and 28 contiguous unpatented mining claims comprise the Houghton-Island Lakes property and in the Grebe Lake Area, one group of 48 contiguous, unpatented mining claims comprises the Shoehorn Lake property. The two properties are held in good standing by Cumberland Resources Limited on extension until October 31, 1984. In May of 1984, an airborne geophysical survey was conducted by Dighem Corporation of Toronto.

All claims were recorded in March and April, 1983. The claim groups are outlined on the Armit Lake Area claim map #M2744 and Grebe Lake Area claim map #1804 (Map A) and Houghton Lake Area claim map #M2165 (Map B), of the Ontario Ministry of Natural Resources in the Patricia Mining Division.

The claim numbers are as follows:

<u>Claim number</u>	<u>Number of Claims</u>	<u>Recorded Date</u>
Western group, Houghton-Island Lakes property-Houghton Lake Area M2165		
Pa659511-659513 inclusive	3	April 6/83
Pa659515-659516 inclusive	2	April 6/83
Pa659525-659516 inclusive	5	April 6/83
Pa701421-701435 inclusive	15	April 6/83
Eastern group, Houghton Lakes property-Houghton Lake Area M2165		
Pa701301-701320 inclusive	20	March 21/83
Pa701322-701329 inclusive	8	March 21/83
Shoehorn Lake property-Armit Lake Area M2744 and Grebe Lake Area M1804		
Pa687585-687590 inclusive	6	March 21/83
Pa687592-687600 inclusive	9	March 21/83
Pa701401-701420 inclusive	13	April 6/83



CUMBERLAND RESOURCES LIMITED

ARMIT LAKE - GREBE LAKE AREAS
(M-2744) (M-1804)

map title

SHOEHORNE LAKE
PROPERTY

CLAIM MAP

scale

1:31,000

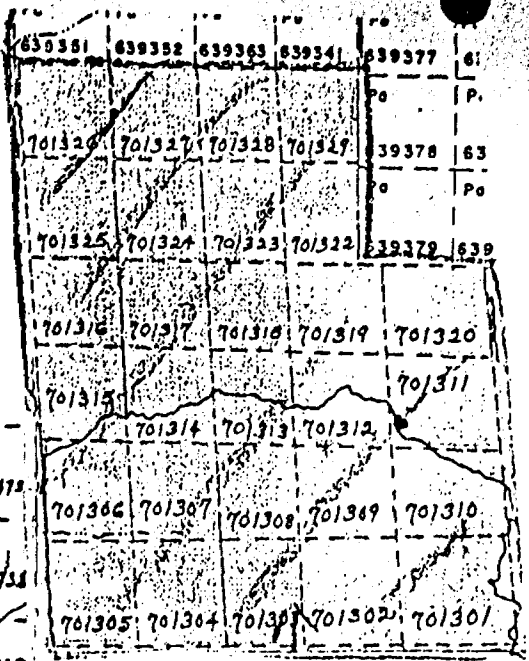
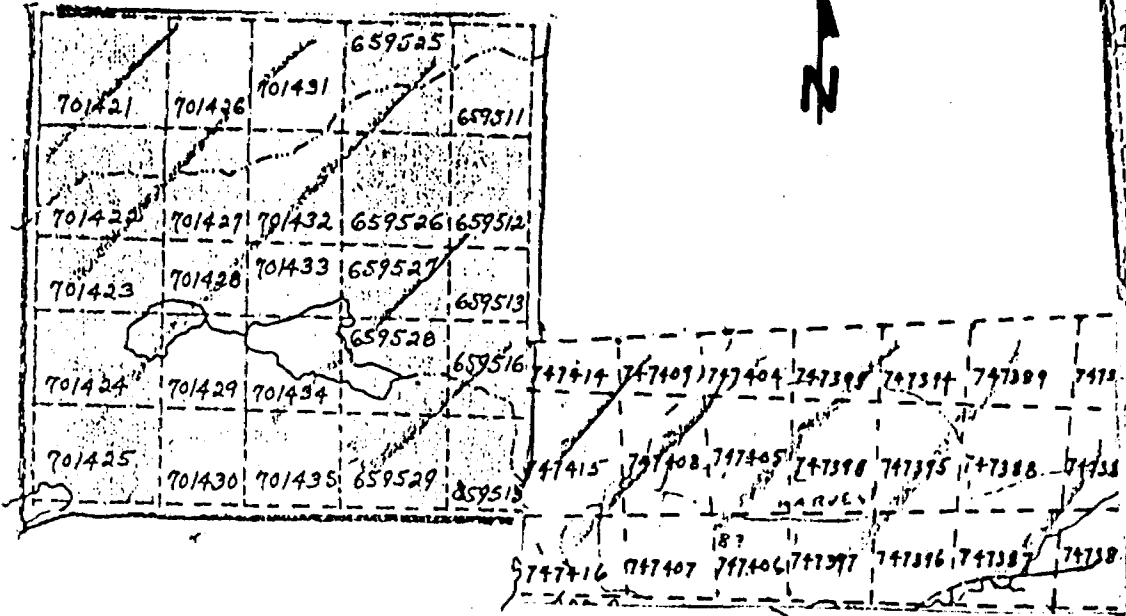
date

MAY 1984

map no.

A





CUMBERLAND RESOURCES LIMITED

HOUGHTON LAKE AREA

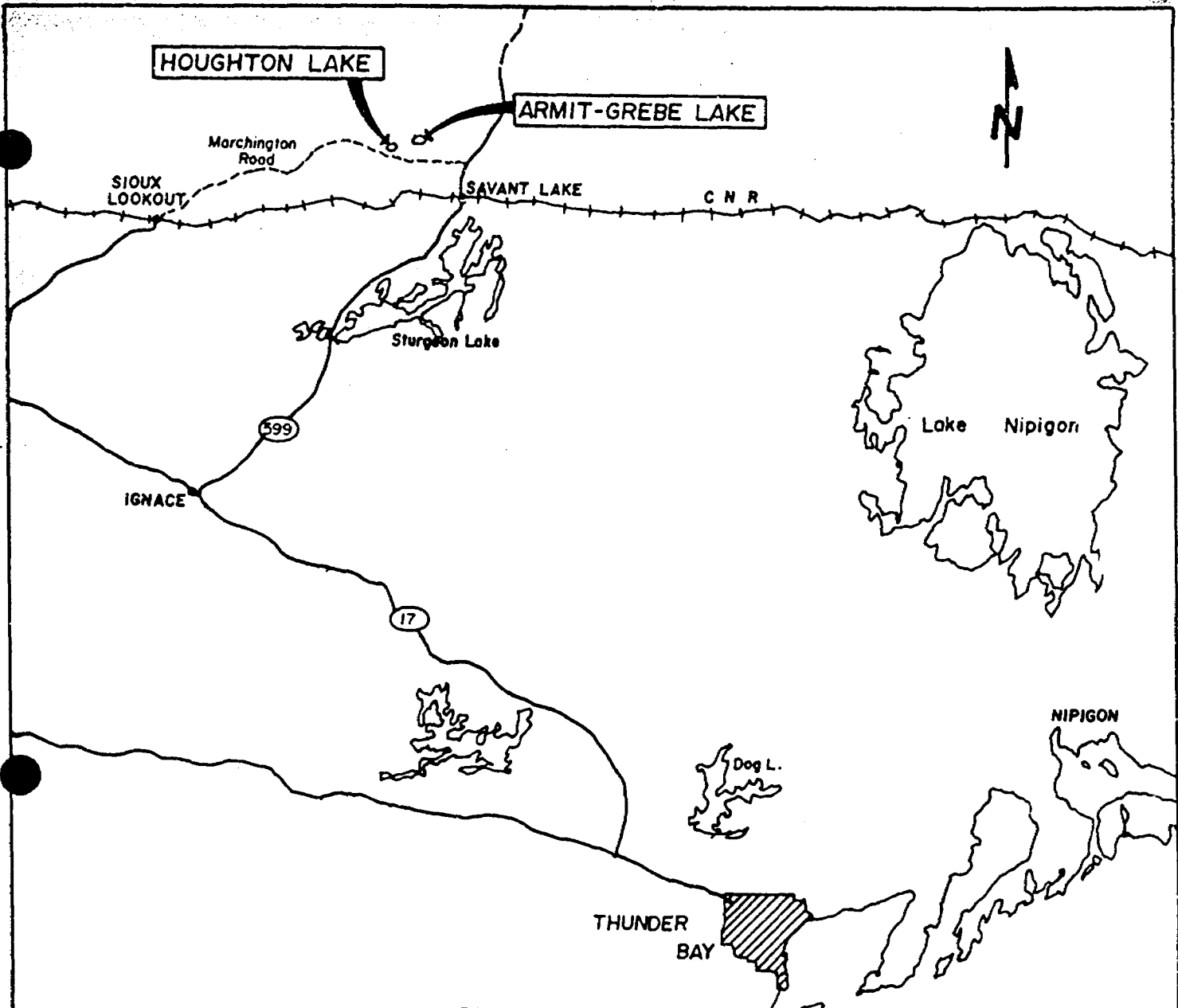
<p>map title</p> <p style="text-align: center;">HOUGHTON LAKE ISLAND LAKE PROPERTIES</p>	<p>scale</p> <p style="text-align: center;">1 : 31,000</p> <hr/> <p>date</p> <p style="text-align: center;">MAY 1984</p> <hr/> <p>map no.</p> <p style="text-align: center;">B</p>
--	--

1" 1cm

LOCATION AND ACCESS

The properties are located south of Kashaweogama Lake, approximately 15 km. north and northwest of the village of Savant Lake, Ontario. The western and eastern claim groups of the Houghton-Island Lakes property are situated at the northeast corner of Houghton Lake and the west end of Island Lake, respectively. The distance between the two claim groups is 3 km. The Shoehorn Lake property is adjacent to the north and west portions of Shoehorn Lake. The property locations are shown on Map C.

The Houghton-Island Lakes property can be reached by conventional vehicles via gravel pulpwood haul-road trending north from Marchington Road. Marchington Road extends eastward from Sioux Lookout, Ontario and joins that town with Highway 599 approximately 8 km. north of the village of Savant Lake. The east end of the Shoehorn Lake property is situated 4 km. west of Highway 599 and is accessible via Shoehorn, Fisher and Kashaweogama Lakes road.



CUMBERLAND RESOURCES LIMITED

SAVANT LAKE PROPERTIES

map title

scale

1:1,600,000

date

MAY 1984

PROPERTY
LOCATION MAP

map no.

C



PHYSIOGRAPHY AND VEGETATION

The properties are located within the Canadian Shield Physiographic Belt of Canada. Relief is low and outcrop exposures are sparse and confined to small moss-covered projections through the glacial overburden. At the Houghton-Island Lakes property, the eastern portion of the east claim group is covered with extensive deposits of glacial till and gravel deposits of unknown thickness.

Water is readily available from Fisher Lake, Shoehorn Lake, Hough Lake, Island Lake, Houghton Lake and several smaller unnamed lakes within the confines of the properties.

HISTORY AND PREVIOUS WORK

The general area has been explored for precious, ferrous and non-ferrous metal bearing deposits since the turn of the century. Subsequent to the discoveries of viable massive sulphide base-metal deposits at Sturgeon Lake during 1969 and 1970, the Savant Lake area was extensively investigated for similar occurrences. Airborne and ground geophysical surveys were followed with the testing of anomalies by short, mostly isolated diamond drill holes. No economic base metal deposits were discovered.

The Houghton-Island Lakes claim blocks are contiguous or close to properties upon which geophysical anomalies have been found. Conductive material was encountered during a horizontal loop electromagnetic survey by Noranda Exploration Company Limited on a group of mining claims situated between the two claim blocks. The east-west conductor axes were not delineated along strike. A single short diamond drill hole encountered massive sulphides containing insignificant base-metal values.

Umex Corporation Limited drilled one hole on what is now claim Pa701427 in the western block of the Houghton-Island Lakes property. The core contained approximately 46 metres of dacitic tuff and associated volcanogenic sediments all containing disseminated sulphide minerals.

REGIONAL GEOLOGY

The general geology of the Savant Lake properties is shown on map #2424 "Houghton Lake-Hough Lake Area", published in 1980 at a scale of 1"= $\frac{1}{2}$ mile. This map accompanies Ontario Geological Survey Geological Report #195 by W.D. Bond.

The area straddles the contact of the English River Subprovince and the Wabigoon Subprovince, and falls largely within the Wabigoon Subprovince. All of the bedrock underlying the area is of Early Precambrian (Archean) age and is overlain by unconsolidated Quaternary glacial, glaciofluvial and recent deposits. The area has been complexly deformed by both faulting and folding.

PROPERTY GEOLOGY

The Houghton-Island Lakes property is underlain by metavolcanic rocks varying in composition from mafic through intermediate to felsic with the latter two predominating. The majority of the rocks are fragmented and tuffaceous with some fine grained flow facies.

The Shoehorn Lake property is underlain by metavolcanic rocks similar in composition and facies characteristics to those at the Houghton-Island Lakes property. At the former property, several metasedimentary horizons are interlayered with the metavolcanic rocks. The metasedimentary rocks range from clastic (sandstone, siltstone) to chemical (iron formation) in composition.

The metavolcanics and metasediments occupy the west limb of an isoclinally folded anticlinal sequence that faces north and east and plunges 50 to 70 degrees to the east-northeast. Within the property boundaries, the bedding and schistosity directions are primarily at azimuths of 80 to 100 degrees with steep dips.

GEOCHEMICAL SURVEY PROCEDURES

During the month of August 1983, Cumberland Resources Limited operated a geochemical soil sampling crew on the combined properties in the Armit Lake, Grebe Lake and Houghton Lake Areas of Ontario. A total of 501 samples were obtained from 101 claims; 226 samples along 12.6 km of north-south claim lines at the Houghton-Island Lakes property, and 275 samples along a combined 11.2 km of north-south claim lines and 2.0 km of grid lines at the Shoehorn Lake property.

The above mentioned grid was established over portions of claim numbers Pa701401, 701402, 701407 and 701408 where a rock sample from glacial float showed strong mineralization. A baseline with an attitude of 090° was cut over a 400 metre length. The grid system consisted of 5 crosslines, each 400 metres in length, cut and picketed at 100 metre intervals. Pickets were placed at 25 metre intervals on the crosslines. Samples were taken at each station on the crosslines.

Geochemical samples were systematically selected from the "B" soil horizon by digging a hole in the soil profile with a grub hoe. The hole was then cleaned out by hand and an earth material sample of approximately 500 grams was placed into a 10 cm x 17 cm wet strength waterproof kraft sample bag. The samples were later dried thoroughly in the sun.

GEOCHEMICAL ANALYTICAL PROCEDURE

All samples were forwarded to Min-En Laboratories Limited, 705 West 15th Street, North Vancouver, B.C. V7M 1T2 for analysis. Each sample was sieved and the -80 mesh component was analysed. The method of analysis was 26 element inductively coupled argon plasma. The assays were reported in P.P.M.

The detection limits are as follows:

1 PPM for Ag, Cd, Co, Cu, Mn, Pb, Ni, Sr, Zn, Mo, Se,
3 PPM for As, Sb, U, Th, B, Bi, V, Ba
0.001% for Al, Ca, Fe, K, Mg, Na, P

The geochemical data was plotted and contoured on the basis of background and anomalies. Selected elements, arsenic, lead, molybdenum and silver are included with this report.

GEOCHEMICAL MAP INTERPRETATION

At the Houghton-Island Lakes property, anomalies outlined to date tend to be weak and isolated, with the exception of one zone on line Q which returned a maximum assay value of 31.3 PPM silver. Prospecting is required to check for a favourable host rock structure.

At the Shoehorn Lake property, a coincident arsenic and molybdenum anomalous zone has been traced northwest from the southeast corner of claim number Pa701407, across the northeast portion of the detailed grid system through to the west boundary of claim Pa701407. This anomalous zone is situated 200 to 300 metres north and northeast of a previously discovered angular boulder of lapilli tuff which assayed 5.67% MoS, 3.49 oz/ton silver and 0.087 oz/ton gold.

A second coincident arsenic and molybdenum anomalous zone has been outlined on claim numbers Pa701413 and 701420 in the northeast portion of the Shoehorn Lake property. The remaining anomalies tend to be isolated. No anomalous silver values have been obtained from this property.

CONCLUSIONS AND RECOMMENDATIONS

The Houghton-Island Lakes and Shoehorn Lake properties warrant further detailed examination. All soil geochemical anomalies must be investigated on the ground.

All claim groups have been flown with airborne geophysics to evaluate for deeper seated massive sulphide deposits and to outline marker horizons of iron formations for stratigraphic interpretation.

The next phase of exploration should involve detailed geological mapping and prospecting in the vicinity of all soil geochemical anomalies. In addition, the Shoehorn Lake grid should be extended 300 metres to the north and 200 metres to the west. Detailed geochemical soil sampling should be carried out over the grid extension to further define the coincident arsenic and molybdenum anomalous zone. Detailed geological mapping should be undertaken over the full extent of all the grid system.

If warranted, further investigations would involve ground geophysical surveys followed by diamond drill testing of favourable geophysical, geochemical and/or geological targets as recommended in Bartley's report, "Report on Cumberland Resources Limited Savant Properties, District of Thunder Bay, Ontario, (1983)".

QUALIFICATIONS

I, Gordon Steinert, of 42 Hull Ave., Thunder Bay, Ontario hereby certify:

1. I am a graduate of Lakehead University (1975) and hold a B.Sc. degree in geology.
2. I have been employed in my profession by various mining companies for the past 10 years.
3. I am presently employed as a geologist with Cumberland Resources Limited, Thunder Bay, Ontario.
4. The information contained in this report was obtained from the analysis of the geochemical samples and from those articles listed in the bibliography.
5. I have no direct or indirect interest in the property described nor in the securities of the Companies.

dated at Thunder Bay, Ontario,
May 9, 1984.

Gordon Steinert

Gordon Steinert,
Geologist.

BIBLIOGRAPHY

- Bartley, M.W. Report on Cumberland Resources Limited Savant Properties, District of Thunder Bay, Ontario, (1983)
- Bond, W. D. Geology of the Houghton-Hough Lakes Area (Savant Lake Area); O.G.S. Geological Report #195 (1980). Accompanied by Map 2424, scale 1:31680 (1"= $\frac{1}{2}$ mile).

MAPS

Houghton-Island Lakes Property Geochemical Maps #1-4
Elements; arsenic, lead, molybdenum, silver, 1:10000

Shoehorn Lake Property Geochemical Maps #5-8
Elements; arsenic, lead, molybdenum, silver, 1:10000

OM83-2-JV-133

MIN-EN Laboratories Ltd.

RE-RUNS AT
BACK

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project Savant Date of report September 23/83

File No. 3-951 Date samples received September 6/83

Samples submitted by:

Company: Cumberland Resources

Report on: 430 soil Geochem samples

..... Assay samples

Copies sent to:

1. Cumberland Resources, Richmond, B.C.
2.
3.

Samples: Sieved to mesh -80 Ground to mesh

Prepared samples stored discarded

rejects stored geo discarded

Methods of analysis: ICP analysis.

Remarks:

SPECIALISTS IN MINERAL ENVIRONMENTS

COMPANY: CUMBERLAND RESOURCES

MIN-EN LABS ICP REPORT

(ACT:GEO3A+) PAGE 1 OF 3

PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 3-9515/P1+2

ATTENTION: JOHN GREIG

(604)980-5814 OR (604)988-4524

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	AG	AL	AS	B	BI	CA	CD	CO	CU	FE	K	MG
✓M25145 40MESH	0	2050	0	1	0	15800	.2	1	7	5050	127	1340
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✓M25155 40MESH	0	1410	0	0	0	9010	.4	0	2	946	45	594
✓M25160	0	2110	0	0	0	10800	1.2	0	6	2520	52	700
✓M25165 40MESH	0	2350	0	0	0	20100	1.0	1	5	6310	59	1240
✓M25170	0	2820	0	2	0	25400	1.3	4	8	15800	86	1480
✓M26115	0	10100	0	4	17	2310	0	7	7	37900	221	2880
✓M26120	0	12600	0	5	16	3250	1.2	9	7	48000	248	3790
✓M26125	0	4630	0	3	0	15600	.1	1	9	5990	105	1580
✓M26130	0	14600	0	4	0	737	.1	6	10	36300	105	2070
✓M26135	0	11500	0	3	18	1050	0	6	11	30300	187	2110
✓M26140	0	3490	0	1	0	14400	1.2	2	9	4100	52	1280
✓M27070	0	16100	0	9	19	5920	1.9	12	14	51400	466	4840
✓M27075	0	21800	0	13	27	1030	0	13	29	55200	148	3800
✓M27080	0	16700	0	12	0	28600	1.8	5	27	23000	295	2750
✓M27085	0	23600	0	14	22	1630	2.1	11	12	62800	256	2940
✓M27090 40MESH	.1	1510	0	2	0	23900	1.0	2	7	7260	91	1900
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✓M27100	0	9650	0	2	16	3660	0	11	13	46100	417	4190
✓M27105 40MESH	0	1680	0	1	0	20300	1.1	0	6	4420	90	2520
✓M27110	0	19100	0	12	15	5860	.8	13	11	54600	423	4540
✓M28035	0	12600	0	6	20	2440	0	9	5	50800	205	3680
✓M28040	0	14200	0	9	22	4170	.5	13	13	59300	450	4930
✓M28045	0	16400	0	7	17	1250	0	8	14	39400	144	2150
✓M28050	0	22000	0	13	29	1760	2.8	13	10	67200	220	3670
✓M28055	0	13600	0	7	0	12900	3.0	10	19	34400	109	5990
✓M28060 40MESH	0	3020	0	0	0	11900	1.7	2	7	10400	101	674
✓M28065	0	18700	0	9	16	1290	0	10	12	55200	173	3630
✓M29000	0	15500	0	11	26	4740	.7	11	11	55500	652	4940
✓M29005 40MESH	.9	3160	0	3	0	19900	2.3	12	7	14800	131	1450
✓M29010 40MESH	0	1380	0	5	0	29400	.2	1	4	4100	118	2150
✓M29015	0	13500	0	9	14	15900	2.6	8	41	40700	424	3260
✓M29020	0	18600	0	10	16	1550	0	10	15	52100	169	2780
✓M29025	0	11300	0	5	0	1080	0	5	4	41300	144	1180
✓M29030	0	17300	0	8	13	2180	0	10	14	48700	214	2670
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A18045	.1	2290	✓0	5	0	30100	2.0	2	9	5050	65	2160
A18050	✓0	17700	✓0	9	29	2290	1.0	14	14	66200	204	5050
A18055	✓0	12100	✓0	5	0	24300	1.1	8	35	20500	85	1610
A18060	✓0	6140	✓0	0	0	619	.2	4	3	34400	111	748
A18065	✓0	6780	✓0	1	14	1270	.2	5	6	34400	129	1690
A18070	✓0	16000	✓0	7	21	1050	0	7	4	43800	286	2370
A18075	✓.5	3610	✓15	4	0	30700	4.3	4	6	12600	197	1800
A18080 40MESH	✓.7	1630	✓0	5	0	25500	1.9	1	6	6310	111	1220
A19085	✓.4	2100	✓16	3	0	31000	.8	2	6	10400	143	1440
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A19095	✓0	6740	✓0	1	16	1160	0	6	4	53900	117	1380
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A19105	✓.1	4570	✓19	4	0	26100	2.9	5	12	20200	148	1800
A19110	✓0	18600	✓0	11	36	2130	1.0	16	16	111000	284	6620
A19115	✓.3	11500	✓0	5	28	3400	0	12	6	86100	238	5760
A19120	✓0	19800	✓0	11	29	1990	1.6	14	12	71600	314	5100

PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 3-9515/P1+2

ATTENTION: JOHN GREIG

(604)980-5814 OR (604)988-4524

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	MN	MO	MA	MI	P	PB	SB	SR	TH	U	V	ZM
M25145 40MESH	44	7	62	0	501	15	0	22	6	0	13.9	12✓
M25150 40MESH	75	5	65	3	618	2	3	30	7	0	17.3	11✓
M25155 40MESH	28	3	46	3	237	7	0	10	5	0	5.5	4✓
M25160	45	2	59	0	257	0	0	13	4	0	13.9	9✓
M25165 40MESH	166	5	56	3	425	15	1	20	7	0	15.6	15✓
M25170	802	13	75	11	716	24	4	33	11	0	29.9	24✓
M26115	106	9	120	20	338	10	0	14	3	0	69.6	7✓
M26120	130	12	133	13	96	4	0	22	5	0	85.6	12✓
M26125	47	5	82	0	571	5	0	15	6	0	26.6	9✓
M26130	55	9	44	10	165	5	0	13	3	0	69.6	2✓
M26135	62	8	72	13	747	4	0	13	3	0	66.7	5✓
M26140	131	3	66	7	640	18	0	17	5	0	24.0	7✓
M27070	226	19	177	26	330	28	0	29	8	0	105.0	32✓
M27075	100	15	64	27	203	22	0	25	5	0	119.0	14✓
M27080	105	8	95	24	1000	8	2	33	13	0	48.5	14✓
M27085	74	20	91	20	386	20	1	26	5	0	135.0	5
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M27110	188	15	146	33	207	31	0	30	6	0	112.0	29✓
M28035	138	12	142	16	107	16	0	19	1	0	84.7	9✓
M28040	203	17	171	26	313	23	0	21	5	4	108.0	23✓
M28045	62	9	78	15	144	8	0	18	1	0	73.8	11✓
M28050	137	16	87	18	614	26	0	25	6	0	145.0	10✓
M28055	108	15	41	34	352	49	0	23	9	0	94.8	23✓
M28060 40MESH	38	5	125	5	457	6	0	21	4	0	18.1	8✓
M28065	89	10	83	17	205	13	0	22	3	0	107.0	13✓
M29000	240	13	185	25	237	23	0	25	6	0	104.0	17✓
M29005 40MESH	2690	12	136	36	901	34	6	25	7	8	41.7	20✓
M29010 40MESH	237	9	149	3	598	17	2	21	8	0	11.4	9✓
M29015	232	12	124	23	340	11	0	39	6	0	72.9	42✓
M29020	84	13	93	16	498	10	0	21	4	0	102.0	0✓
M29025	44	10	61	3	433	8	0	13	3	0	92.3	3✓
M29030	82	11	122	18	335	9	0	23	2	0	91.5	0✓
A17000	61	✓5	105	0	323	✓13	0	19	4	0	8.9	81
A17005	710	✓9	63	26	488	✓21	0	20	4	0	94.8	103
A17010	104	✓9	50	11	557	✓3	1	16	5	0	111.0	20
A17015	23	✓1	44	7	64	✓0	0	5	0	0	54.4	8
A17020 40MESH	48	✓4	73	0	356	✓19	0	22	3	0	5.5	35
A17025 40MESH	588	✓5	85	8	519	✓10	1	65	6	0	12.2	20
A17030	55	✓10	40	15	217	✓13	2	13	4	0	132.0	20
A17035	17	✓2	37	0	27	✓11	0	1	0	0	48.5	1
A17040	94	✓20	47	55	180	✓43	5	36	8	0	145.0	16
A18045	664	✓8	79	5	571	✓23	2	153	6	1	19.0	26
A18050	102	✓18	67	29	228	✓18	0	36	5	10	114.0	19
A18055	393	✓8	45	20	583	✓20	1	162	8	6	47.6	2
A18060	24	✓6	35	4	92	✓0	0	6	1	0	102.0	0
A18065	47	✓4	57	3	126	✓0	0	6	2	0	56.1	4
A18070	50	✓10	47	8	69	✓10	1	27	1	0	84.7	2
A18075	258	✓7	69	7	703	✓33	4	100	8	10	19.8	16
A18080 40MESH	140	✓3	99	4	688	✓17	1	29	7	7	13.1	19
A19085	419	✓5	129	5	834	✓30	4	40	8	2	17.3	13
A19090 40MESH	71	✓6	67	0	872	✓52	2	39	8	3	21.5	19
A19095	25	✓6	49	2	122	✓17	0	6	0	0	132.0	1
A19100	153	✓6	74	6	536	✓24	3	24	7	9	15.6	15
A19105	262	✓7	85	10	750	✓33	4	88	10	5	27.4	19
A19110	128	✓27	66	27	273	✓23	0	41	1	0	222.0	21
A19115	93	✓13	51	26	151	✓0	0	88	0	9	154.0	6
A19120	116	✓19	60	29	371	✓13	1	35	2	0	138.0	22

COMPANY: CUMBERLAND RESOURCES

MIN-EN LABS ICP REPORT

(ACT:GEO3A+) PAGE 3 OF 3

PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 3-9515/P1+2

ATTENTION: JOHN GREIG

(604)980-5814 OR (604)988-4524

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	BA	SE
M25145 40MESH	47	105
M25150 40MESH	64	240
M25155 40MESH	30	110
M25160	40	112
M25165 40MESH	55	204
M25170	83	285
M26115	31	20
M26120	48	96
M26125	35	183
M26130	29	14
M26135	27	33
M26140	36	103
M27070	80	181
M27075	48	184
M27080	136	277
M27085	43	172
M27090 40MESH	47	218
M27095 40MESH	95	287
M27100	37	99
M27105 40MESH	27	192
M27110	81	198
M28035	36	90
M28040	62	139
M28045	28	80
M28050	36	160
M28055	62	258
M28060 40MESH	55	173
M28065	35	121
M29000	62	151
M29005 40MESH	68	264
M29010 40MESH	41	246
M29015	97	231
M29020	33	88
M29025	25	12
M29030	34	122
A17000	38	111
A17005	79	117
A17010	28	102
A17015	12	0
A17020 40MESH	25	102
A17025 40MESH	88	213
A17030	30	153
A17035	8	0
A17040	47	152
A18045	200	242
A18050	62	156
A18055	151	274
A18060	25	33
A18065	20	38
A18070	43	0
A18075	93	311
A18080 40MESH	41	212
A19085	55	288
A19090 40MESH	70	230
A19095	20	0
A19100	41	239
A19105	123	279
A19110	55	198
A19115	26	46
A19120	67	140

COMPANY: CUMBERLAND RESOURCES

PROJECT No: SAVANT

ATTENTION: JOHN GREIG

MIN-EN LABS ICP REPORT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

(ACT:GEO3A+) PAGE 1 OF 3

FILE No: 3-9515/PJ+4

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	AS	AL	AS	B	BI	CA	CD	CO	CU	FE	K	MG
A19125	✓0	10700	✓0	4	24	2770	0	10	9	82700	347	4710
A19130	✓0	13300	✓0	7	19	1790	.4	10	10	60600	215	4370
A19135	✓0	19600	✓0	11	18	1260	1.8	10	9	67500	201	3070
A19140	✓.8	9270	✓0	5	22	3020	0	9	4	63400	337	3320
A20150	✓.8	23900	✓0	19	32	18000	4.8	19	33	79500	563	11300
A20155	✓.7	33100	✓0	23	47	7420	2.5	35	16	176000	4350	21800
A20160	✓0	30200	✓0	22	37	15600	2.2	27	114	107000	628	13800
A20165	✓.7	30000	✓0	21	49	13200	3.3	35	45	149000	2220	19200
✓K31155 40MESH	.3	2120	0	7	0	22200	1.9	2	6	6940	231	2430
✓K31160 40MESH	.4	3460	0	2	0	26500	1.7	3	5	10100	125	2810
✓K31165 40MESH	.6	4020	0	4	0	31900	1.9	1	7	7260	158	2850
✓K31170	0	8580	0	2	0	1550	0	5	4	37200	231	1940
✓K31175	0	6980	0	0	0	1260	.3	6	4	33100	125	1770
✓K31180	.1	10100	0	4	17	2140	1.4	9	9	44500	315	3000
✓K31185	0	15500	0	7	21	1240	.6	8	4	42900	164	1490
✓K31190	.2	8080	0	2	17	1060	0	7	5	50800	204	1860
✓K31195	.5	10500	0	3	23	1740	0	8	9	64000	125	2650
✓K32125	.4	3070	13	2	0	20200	1.8	2	6	7890	79	980
✓K32130 40MESH	0	2370	0	0	0	11800	1.1	1	6	4730	79	695
✓K32135 40MESH	.7	1990	0	0	0	16600	.1	1	5	5360	88	1020
✓K32140 40MESH	.4	3360	0	2	0	18900	1.7	3	9	9460	140	1490
✓K32145 40MESH	.6	1150	8	2	0	14800	0	1	6	2210	45	1440
K32150	.3	2180	12	2	0	26200	1.9	1	3	6630	92	2280
C13115	✓0	5790	✓0	0	0	3210	.8	5	3	24900	134	1230
C13120	✓.6	8760	✓0	4	0	20700	2.3	4	23	15500	182	1130
C13125	✓.1	17700	✓0	10	26	2330	.6	12	11	58000	236	3850
C13130	✓.1	9540	✓0	4	18	3360	0	9	6	66900	145	4490
C13135	✓.3	12900	✓5	8	17	16600	3.1	15	24	47000	381	6880
C13140	✓.8	8000	✓0	6	0	28700	.5	4	25	15100	277	2270
C13145	✓.3	5770	✓0	0	0	1880	0	5	3	31200	214	2010
C13150	✓.1	7430	✓0	5	21	3130	1.0	6	5	41800	134	3040
C14090	✓0	15700	✓0	15	27	2940	1.2	12	12	50900	256	4590
C14095 M40	✓0	4110	✓0	5	0	5160	1.5	2	9	8560	218	806
C14100	✓.2	3270	✓0	2	0	898	0	3	2	27200	86	749
C14105 M40	✓0	2340	✓0	2	0	7530	1.0	1	8	3530	135	453
C15045	✓.5	7130	✓0	5	19	6780	0	5	8	27500	108	1970
C15050	✓0	5010	✓0	4	22	888	0	4	2	37300	104	1030
C15055	✓.6	11300	✓0	10	27	3490	.5	6	13	49900	314	4070
C15060	✓.1	11700	✓0	8	22	1080	0	4	31	31700	115	1420
C15065	✓.1	12600	✓1	12	36	3140	.7	13	14	59700	253	4760
C15070	✓.3	8530	✓0	7	25	3050	.5	8	14	36800	205	3390
C15075	✓0	12300	✓0	9	25	1300	0	6	5	38300	103	1610
C15080	✓.2	9990	✓0	7	25	1760	.3	6	6	39500	154	2070
C15085	✓0	7190	✓0	3	19	1260	0	3	6	32700	164	1500
C16000	✓.7	9380	✓0	7	31	876	0	7	9	54400	128	2250
C16005 M40	✓.5	3690	✓0	5	16	11200	0	2	12	10100	126	1160
C16010	✓.3	10600	✓0	9	25	1500	.1	6	14	42800	384	2530
C16015 M40	✓.6	1580	✓0	2	0	11200	.1	1	7	4530	107	1030
C16020 M40	✓.3	3300	✓0	3	0	4310	0	1	14	7310	174	946
C16025 M40	✓1.2	6140	✓0	9	0	17200	1.2	19	17	13400	243	1450
C16030	✓0	6700	✓0	5	20	3090	.2	3	8	16400	148	2020
C16035	✓.3	4050	✓0	2	20	3560	.1	3	18	17600	177	1460
C16040	✓0	4190	✓0	3	0	510	0	0	5	5540	119	240
B13000	✓.2	3180	✓0	1	0	1200	0	2	5	18600	99	1160
B13005	✓.2	6290	✓0	6	19	1780	0	4	4	28700	85	1460
B13010	✓.9	8670	✓0	7	17	3850	0	6	6	49900	123	2070
B13015	✓.8	12100	✓0	11	35	5730	.1	11	7	69000	189	5650
B13020 M40	✓1.3	2700	✓0	9	0	36800	.8	2	19	6300	67	706
B13025	✓.2	15200	✓0	14	36	4060	2.9	16	22	62500	496	7930
B13030	✓1.0	12400	✓192	20	60	3390	4.1	19	29	121000	932	6920

COMPANY: CUMBERLAND RESOURCES

MIN-EN LABS ICP REPORT

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PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 3-9515/P3+4

ATTENTION: JOHN GREIG

(604)980-5814 DR (604)988-4524

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	MN	MG	NA	NI	P	PB	SB	SR	TH	U	V	ZN
A19125	92	✓8	55	10	84	✓0	0	35	0	0	114.0	3
A19130	99	✓11	50	20	250	✓13	0	32	2	0	118.0	6
A19135	60	✓12	46	21	353	✓5	0	29	4	0	161.0	7
A19140	102	✓8	63	8	179	✓22	0	38	0	13	110.0	23
A20150	488	✓28	95	53	765	✓38	2	132	9	37	146.0	36
A20155	456	✓32	81	56	446	✓46	0	198	0	16	316.0	44
A20160	342	✓32	68	73	504	✓32	0	98	9	11	255.0	10
A20165	368	✓32	84	91	159	✓38	0	207	0	25	268.0	17
K31155 40MESH	144	7	131	8	750	14	0	23	6	7	19.0	20✓
K31160 40MESH	505	5	63	11	634	37	3	34	8	0	25.7	18✓
K31165 40MESH	62	10	65	13	737	12	5	40	8	8	21.5	7✓
K31170	53	5	73	5	103	8	0	11	0	0	63.7	6✓
K31175	50	7	63	6	119	13	0	7	0	2	56.1	7✓
K31180	111	9	104	13	326	27	0	12	1	4	72.1	9✓
K31185	45	8	66	8	243	0	3	15	0	10	81.4	0✓
K31190	57	10	69	10	183	4	0	12	0	2	103.0	12✓
K31195	74	8	50	8	136	0	0	10	0	5	118.0	8✓
K32125	83	6	80	5	599	12	1	26	6	9	18.1	11✓
K32130 40MESH	26	5	67	4	691	21	2	18	4	3	11.4	8✓
K32135 40MESH	27	7	77	1	617	18	2	23	6	9	10.5	12✓
K32140 40MESH	493	5	77	4	678	14	2	25	7	10	29.1	25✓
K32145 40MESH	61	5	73	7	532	15	4	13	5	7	8.9	12✓
K32150	152	7	96	8	511	19	3	25	8	1	14.8	9✓
C13115	134	✓8	82	5	359	✓11	0	15	3	5	42.6	5
C13120	149	✓8	106	8	663	✓14	4	67	7	14	28.2	16
C13125	150	✓11	77	19	603	✓22	2	39	4	8	112.0	28
C13130	93	✓8	63	16	76	✓0	0	96	0	9	119.0	8
C13135	359	✓19	67	30	689	✓43	2	114	8	19	113.0	19
C13140	238	✓8	44	7	1110	✓23	5	70	8	0	31.6	22
C13145	80	✓7	48	6	170	✓5	0	18	1	10	52.7	10
C13150	68	✓7	40	12	57	✓6	0	57	0	0	70.9	0
C14090	138	✓14	50	32	174	✓16	0	38	5	0	121.0	13
C14095 M40	125	✓3	87	8	547	✓16	1	28	2	0	17.9	26
C14100	22	✓0	26	1	3	✓0	0	15	0	0	57.1	0
C14105 M40	28	✓1	135	12	494	✓6	0	27	4	0	9.7	0
C15045	96	✓8	49	14	157	✓11	0	39	2	6	51.5	0
C15050	32	✓4	28	5	25	✓0	0	11	0	0	102.0	0
C15055	150	✓16	67	20	238	✓17	0	33	3	3	99.3	10
C15060	36	✓7	31	5	193	✓97	0	15	0	1	82.9	14
C15065	322	✓20	62	26	332	✓34	0	40	6	6	141.0	22
C15070	95	✓13	61	21	296	✓24	0	32	2	8	66.8	0
C15075	49	✓7	27	13	130	✓7	0	23	1	0	105.0	5
C15080	114	✓6	50	13	144	✓23	0	23	1	4	91.8	14
C15085	48	✓2	24	7	160	✓12	0	21	0	0	69.0	0
C16000	39	✓14	35	19	113	✓13	0	15	1	6	169.0	0
C16005 M40	181	✓3	72	8	672	✓16	0	40	4	9	20.2	10
C16010	131	✓15	51	13	212	✓25	0	21	2	8	87.3	6
C16015 M40	59	✓5	89	7	394	✓12	0	32	4	8	11.9	85
C16020 M40	29	✓2	57	1	298	✓23	0	20	3	0	17.5	6
C16025 M40	1170	✓9	85	20	545	✓35	4	47	5	17	37.7	13
C16030	67	✓8	34	13	231	✓13	1	22	3	0	45.2	3
C16035	104	✓7	32	10	178	✓11	0	33	2	6	32.1	3
C16040	38	✓0	19	2	93	✓3	0	8	0	0	25.8	0
B13000	24	✓3	20	6	61	✓0	0	10	0	0	30.2	0
B13005	41	✓5	45	11	143	✓0	0	21	0	8	52.6	0
B13010	48	✓5	40	5	36	✓0	0	106	0	17	98.5	0
B13015	118	✓18	45	18	92	✓21	0	80	0	17	165.0	5
B13020 M40	340	✓5	53	12	625	✓3	0	129	7	20	19.0	14
B13025	177	✓22	78	42	289	✓41	0	42	5	10	142.0	8
B13030	218	✓48	61	48	703	✓117	29	56	24	20	117.0	11

PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 3-9515/PJ+4

ATTENTION: JOHN GREIG

(604)980-5814 OR (604)988-4524

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	BA	SE
A19125	70	48
A19130	50	133
A19135	73	135
A19140	96	83
A20150	401	325
A20155	372	174
A20160	301	324
A20165	350	237
K31155 40MESH	36	241
K31160 40MESH	75	245
K31165 40MESH	72	287
K31170	23	27
K31175	19	40
K31180	42	7
K31185	28	0
K31190	27	2
K31195	29	48
K32125	44	222
K32130 40MESH	34	107
K32135 40MESH	35	208
K32140 40MESH	53	211
K32145 40MESH	27	113
K32150	50	232
C13115	47	59
C13120	220	239
C13125	77	110
C13130	31	58
C13135	280	233
C13140	385	270
C13145	46	31
C13150	32	78
C14090	64	158
C14095 M40	80	79
C14100	14	0
C14105 M40	50	93
C15045	78	138
C15050	10	21
C15055	41	119
C15060	12	12
C15065	45	194
C15070	31	108
C15075	18	104
C15080	33	100
C15085	20	23
C16000	23	141
C16005 M40	64	174
C16010	37	91
C16015 M40	72	92
C16020 M40	58	84
C16025 M40	138	234
C16030	31	56
C16035	88	61
C16040	16	11
B13000	38	25
B13005	10	33
B13010	22	0
B13015	51	131
B13020 M40	346	297
B13025	119	179
B13030	109	633

COMPANY: CUMBERLAND RESOURCES

MIN-EM LABS ICP REPORT

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PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 3-951S/PS+6

ATTENTION: JOHN GREIG

16041980-5814 OR 16041988-4524

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	AG	AL	AS	B	BI	CA	CD	CO	CU	FE	K	MS
B13035 M40	✓.3	2440	✓0	3	0	14100	1.0	1	23	3830	86	1060
B13040	✓0	14500	✓0	13	33	1500	1.8	13	16	54700	906	5750
B13045	✓0	11800	✓0	11	25	1590	1.6	11	10	44600	336	4460
B13050	✓0	14700	✓0	10	28	917	.9	9	13	42800	327	3580
B14055	✓0	19000	✓0	18	38	903	.9	11	16	81900	192	3560
B14060	✓0	10100	✓0	7	22	1680	0	7	12	40100	228	3300
B14065	✓.9	6750	✓0	7	14	16600	0	5	16	14400	135	927
B14070 M40	✓0	3120	✓0	3	0	9890	.1	2	12	5540	108	634
B14075 M40	✓0	11400	✓0	9	0	10500	0	6	17	19600	151	1970
B14080	✓0	1780	✓0	1	0	7580	.3	0	5	2520	42	511
B14085 M40	✓.5	1670	✓0	2	0	11300	.2	0	7	3280	89	874
B14090 M40	✓0	1270	✓0	2	0	14400	.2	1	6	3020	72	1160
B15095 M40	✓.5	3730	✓0	7	0	22000	1.5	3	12	7560	129	1500
B15100 M40	✓.3	3620	✓0	6	0	14500	1.6	3	17	6300	54	867
B15105 M40	✓ <u>12.7</u>	4530	✓ <u>116</u>	10	33	24300	✓ <u>4.3</u>	11	36	39800	1220	5320
B15110 M40	✓ <u>1.2</u>	10100	✓0	12	18	9130	2.5	10	14	31200	126	3220
B15115	✓ <u>.7</u>	18000	✓0	16	32	3970	.8	15	17	57900	221	6000
B15120	✓ <u>1.1</u>	9810	✓0	9	24	9660	0	9	21	27200	173	2360
B15125	✓ <u>1.4</u>	14200	✓0	14	25	16600	.3	9	43	40800	418	4380
B15130	✓.3	10100	✓0	9	28	2510	0	8	11	40300	343	2730
B16135	✓.4	11800	✓0	10	28	1610	0	9	9	42800	222	2420
B16140	✓.5	9060	✓0	6	26	1210	0	7	6	34000	142	3490
B16145	✓.5	16900	✓0	16	34	1790	1.2	14	17	51900	289	5350
B16150	✓.1	14700	✓0	12	28	1930	1.8	11	12	41800	205	3500
B16155	✓.3	14700	✓0	13	34	1580	1.3	10	11	49600	275	3840
B16160 M40	✓.4	2800	✓0	3	0	4640	1.5	3	16	7560	187	704
B16165 M40	✓.6	1940	✓0	4	0	14600	.9	1	6	5540	73	1270
B16170 M40	✓0	1510	✓0	1	0	4000	0	0	4	2020	54	399
✓ R13125	0	3650	0	5	23	4560	.2	2	7	15600	129	709
✓ R13130	.2	13000	0	12	28	1050	0	6	6	38800	128	1710
✓ R13135	0	10000	0	7	26	985	0	4	4	25200	119	901
✓ R13140	0	10900	0	9	26	1220	0	7	6	32700	153	1650
✓ R13145	.1	4770	0	4	17	1410	0	3	2	20200	95	1020
✓ R18080 M40	.5	1630	0	4	0	12300	.9	2	3	5540	66	929
✓ R18085 M40	.7	1640	3	0	0	4770	.3	1	3	2520	112	552
✓ R18090 M40	0	APC	0	4	0	13200	0	1	2	4280	60	969
✓ R18095 M40	0	2830	0	7	0	14300	.7	1	4	8060	104	1170
✓ R18100 M40	.4	2040	0	6	0	23700	1.6	1	2	7310	71	1400
✓ R18105 M40	.6	5090	26	9	23	14500	1.8	5	5	29700	129	1130
✓ R18110	0	16200	0	13	26	883	0	5	4	29200	99	1010
✓ R18115	0	12500	0	10	29	871	0	5	4	28500	97	1160
✓ R18120	0	7230	0	7	26	970	0	4	3	32500	99	993
✓ R23055	3.7	3040	249	19	68	17500	10.5	21	7	121000	98	1240
✓ R23060	1.1	2100	18	9	16	21500	2.4	4	4	20200	179	1680
✓ R23065	.6	1480	0	8	0	21400	1.6	1	4	6300	67	1740
✓ R23070	1.1	1950	0	9	0	31000	.1	1	3	5540	92	1850
✓ R23075	.9	2020	0	12	0	34100	.6	2	3	9570	122	2190
✓ R28000	0	24900	61	25	45	1870	5.8	32	27	68000	78	9980
✓ R28005	.3	9930	0	9	16	1790	0	6	4	32700	133	1320
✓ R28010	.4	11200	0	9	28	1900	.8	9	15	45600	157	3300
✓ R28015	0	13400	0	12	29	880	.7	7	18	33800	86	2170
✓ R28020	.5	13900	0	11	36	1230	.9	11	12	69300	195	2470
✓ R28025	.4	9130	0	8	25	856	0	6	7	40800	114	1620
✓ R28030	.1	14400	0	13	25	2340	0	11	11	32500	151	1700
✓ R28035	.6	2870	0	2	17	771	0	2	1	24900	98	517
✓ R28040	.2	12900	0	9	26	1300	1.7	6	5	31500	129	1190
✓ R28045	.1	5790	0	4	20	650	0	2	2	22200	86	437
✓ R28050	1.2	3970	0	7	13	26600	.6	2	11	9320	116	1260
✓ Q03000	0	14700	0	12	26	984	0	5	3	33500	99	807
✓ Q03005	.1	5990	0	4	20	1440	0	3	2	21700	86	878

COMPANY: CUMBERLAND RESOURCES

PROJECT No: SAVANT

ATTENTION: JOHN GREIG

MIN-EN LABS ICP REPORT
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

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DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	MM	MO	MA	MI	P	PB	SB	SR	TH	U	V	ZM
B13035 M40	53	✓ 2	73	8	452	✓ 22	0	39	5	0	9.8	4
B13040	148	✓ 24	43	28	271	✓ 32	4	26	7	0	117.0	19
B13045	109	✓ 14	27	26	229	✓ 3	0	24	6	0	89.6	10
B13050	75	✓ 14	25	20	131	✓ 21	0	23	4	0	85.5	3
B14055	59	✓ 23	22	21	207	✓ 35	3	27	6	0	192.0	0
B14060	66	✓ 13	37	22	230	✓ 20	0	27	3	0	84.0	6
B14065	218	✓ 6	55	14	349	✓ 17	2	69	5	28	24.3	0
B14070 M40	31	✓ 1	49	11	516	✓ 4	0	43	4	6	14.2	5
B14075 M40	173	✓ 7	32	13	632	✓ 20	0	53	6	2	47.0	0
B14080	14	✓ 5	39	2	362	✓ 6	0	37	3	1	7.5	3
B14085 M40	21	✓ 2	81	4	469	✓ 4	0	49	4	4	8.6	17
B14090 M40	20	✓ 4	48	6	303	✓ 8	0	71	6	0	8.2	9
B15095 M40	831	✓ 10	55	16	817	✓ 26	1	113	7	7	18.3	12
B15100 M40	390	✓ 2	38	12	501	✓ 6	0	72	5	0	20.9	6
B15105 M40	747	✓ 46	230	26	990	✓ 147	19	59	22	33	36.2	171
B15110 M40	574	✓ 12	36	21	275	✓ 22	2	72	4	32	55.6	13
B15115	350	✓ 17	55	36	205	✓ 31	1	56	4	19	101.0	25
B15120	254	✓ 8	55	21	455	✓ 23	1	75	3	37	55.6	10
B15125	284	✓ 22	47	25	409	✓ 28	7	102	10	37	60.1	21
B15130	207	✓ 11	57	15	417	✓ 12	0	24	2	15	81.7	9
B16135	64	✓ 12	40	15	209	✓ 13	0	19	2	10	84.3	1
B16140	52	✓ 14	40	22	73	✓ 19	0	16	2	10	73.9	3
B16145	165	✓ 20	65	40	680	✓ 35	5	26	8	13	130.0	16
B16150	92	✓ 16	55	24	668	✓ 23	2	24	6	9	98.9	3
B16155	105	✓ 15	47	30	288	✓ 26	2	20	3	13	118.0	5
B16160 M40	381	✓ 4	57	13	539	✓ 28	3	27	2	5	21.7	43
B16165 M40	228	✓ 3	40	11	382	✓ 18	1	54	5	9	14.2	9
B16170 M40	31	✓ 2	45	4	345	✓ 0	0	19	1	1	7.1	3
R13125	57	9	69	16	645	8	3	28	6	2	25.8	7✓
R13130	128	10	35	15	554	13	5	17	3	11	94.8	×17✓
R13135	42	6	41	5	292	8	0	15	1	0	54.1	6✓
R13140	58	5	45	15	258	10	1	17	5	0	66.1	4✓
R13145	35	1	42	9	246	7	0	10	1	0	33.2	0✓
R18080 M40	20	3	73	5	516	12	1	13	5	2	10.8	4✓
R18085 M40	98	1	115	4	305	12	0	30	2	11	6.4	11✓
R18090 M40	187	6	37	5	345	11	1	17	5	5	6.4	19✓
R18095 M40	412	6	37	8	778	9	0	19	7	0	16.8	7✓
R18100 M40	489	5	32	15	566	12	1	29	8	0	10.1	9✓
R18105 M40	189	13	63	17	767	31	9	29	12	12	40.7	2✓
R18110	37	6	35	15	462	6	0	18	3	5	67.6	0✓
R18115	48	9	49	6	317	16	0	15	2	0	68.3	5
R18120	30	4	29	8	117	0	0	14	0	2	71.3	0
R23055	<u>7590</u>	55	45	100	845	<u>145</u>	<u>50</u>	58	32	68	64.6	×26✓
R23060	<u>1870</u>	14	67	27	822	<u>49</u>	9	35	10	19	19.8	8✓
R23065	390	6	58	9	638	19	2	20	7	6	15.3	14✓
R23070	316	6	47	6	551	12	1	25	8	11	12.3	12✓
R23075	132	11	59	9	684	22	8	23	9	9	13.8	11✓
R28000	226	43	24	90	408	90	<u>25</u>	39	17	11	379.0	×33✓
R28005	68	7	44	13	300	6	0	15	3	4	62.3	0✓
R28010	90	15	58	21	194	17	0	17	4	12	121.0	3✓
R28015	50	11	31	19	238	10	5	20	5	12	105.0	0✓
R28020	77	19	57	20	394	26	4	22	7	8	178.0	5✓
R28025	37	9	56	13	183	21	2	14	2	6	124.0	×1✓
R28030	107	11	70	20	292	14	1	20	5	12	67.6	0✓
R28035	17	0	57	0	30	0	0	6	0	8	30.2	0✓
R28040	59	8	49	9	297	25	1	19	4	13	66.1	0✓
R28045	23	4	29	6	175	1	0	8	0	10	55.6	0✓
R28050	371	5	42	14	616	24	3	31	7	21	21.3	×8✓
Q03000	30	5	59	9	367	9	1	20	3	9	81.0	0
Q03005	35	2	42	5	133	0	0	11	0	8	34.7	0

COMPANY: CUMBERLAND RESOURCES

PROJECT No: SAVANT

ATTENTION: JOHN GREIG

MIN-EN LABS ICP REPORT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

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DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	BA	SE
B13035 M40	77	191
B13040	39	199
B13045	39	151
B13050	28	148
B14055	24	218
B14060	21	113
B14065	184	216
B14070 M40	80	185
B14075 M40	103	193
B14080	37	97
B14085 M40	35	94
B14090 M40	45	201
B15095 M40	96	265
B15100 M40	84	195
B15105 M40	228	491
B15110 M40	96	204
B15115	99	181
B15120	112	190
B15125	128	352
B15130	51	143
B16135	37	88
B16140	21	14
B16145	62	183
B16150	45	180
B16155	47	134
B16160 M40	124	85
B16165 M40	51	163
B16170 M40	28	54
R13125	76	66
R13130	17	116
R13135	12	31
R13140	28	112
R13145	4	40
R18080 M40	23	180
R18085 M40	78	98
R18090 M40	85	200
R18095 M40	34	217
R18100 M40	66	247
R18105 M40	85	372
R18110	17	81
R18115	23	85
R18120	6	24
R23055	159	969
R23060	55	298
R23065	43	252
R23070	66	301
R23075	80	315
R28000	23	382
R28005	9	91
R28010	20	159
R28015	14	110
R28020	26	167
R28025	14	85
R28030	41	125
R28035	0	0
R28040	9	10
R28045	5	49
R28050	56	305
Q03000	12	100
Q03005	4	49

(REPORT VALUES IN PPM)	AS	AL	AS	B	BI	CA	CD	CO	CU	FE	K	MS
Q03010	0	13700	0	10	25	1080	.7	6	9	34300	113	1790
Q03015 40MESH	<u>2.3</u>	15100	<u>93</u>	24	53	11600	<u>6.1</u>	55	11	87900	164	1210
Q03020 40MESH	<u>1.3</u>	1320	0	17	0	39100	<u>.9</u>	1	3	5540	127	1480
Q03025	<u>3.9</u>	1210	0	13	19	40900	<u>3.2</u>	8	3	20200	90	1420
Q03030	<u>1.8</u>	2340	<u>20</u>	12	15	41400	<u>1.6</u>	5	7	19400	88	1510
Q03035	0	11700	0	8	17	1160	0	3	2	22900	96	767
Q03040 40MESH	<u>1.7</u>	1300	<u>68</u>	1	23	32800	<u>2.9</u>	5	4	24200	134	1240
Q08045	.9	881	<u>84</u>	13	22	23500	3.0	3	4	22400	59	966
Q08050	<u>5.8</u>	2480	0	16	37	28400	<u>7.6</u>	11	4	52400	86	1270
Q08055	0	12000	0	9	20	1220	0	4	4	23700	90	1190
Q08060	<u>1.4</u>	4880	<u>157</u>	17	35	26100	<u>4.1</u>	26	5	57200	54	1270
Q08065 40MESH	.7	2520	0	8	0	25600	.6	2	3	9070	81	1480
Q08070 40MESH	<u>2.5</u>	947	<u>39</u>	12	23	24300	<u>2.2</u>	21	3	34800	122	1230
Q08075	<u>2.5</u>	1330	13	12	28	18000	<u>3.9</u>	9	4	33800	82	970
Q08080 40MESH	.9	2050	5	11	13	24600	<u>1.3</u>	3	3	10600	122	1530
Q08085	<u>3.9</u>	1590	0	11	22	25700	<u>1.7</u>	6	3	18100	99	1530
Q08090 40MESH	<u>22.3</u>	1840	0	22	<u>74</u>	24500	<u>11.4</u>	17	5	80100	209	1640
Q08095 40MESH	1.2	1640	0	9	15	27600	0	2	3	10100	81	1560
Q08100	.5	1660	0	8	0	20400	.9	1	5	4530	231	1210
Q08105	0	12500	0	9	26	930	.1	6	17	31200	87	1550
Q08110	.4	3410	0	1	18	344	.3	2	1	14900	75	438
Q08115	.1	9440	0	8	25	2310	1.5	7	18	33500	182	3170
Q08120	0	11100	0	9	26	902	.7	5	6	34300	118	1350
Q13125	.1	15900	0	13	25	1190	.3	7	3	39800	150	1240
Q13130	0	13900	0	10	26	1320	0	6	7	30700	104	1270
Q13135	.2	12500	0	11	28	1210	.9	7	9	42800	208	2560
Q13140	.1	18200	0	15	34	1240	1.2	9	17	52100	122	2410
Q13145 40MESH	<u>1.3</u>	14200	<u>63</u>	15	37	17500	<u>3.9</u>	12	35	46600	158	1880
Q18150	.2	2930	0	3	17	2300	0	3	2	18600	72	1120
Q18155 40MESH	<u>1.3</u>	3230	0	7	12	27300	<u>2.9</u>	3	6	11100	59	1490
Q18160	.3	3060	0	2	0	452	0	1	1	10100	53	228
Q18165	.3	13600	0	12	34	1070	1.2	8	10	51600	108	2030
Q18170	0	15900	0	12	25	1070	0	6	5	33500	95	1190
Q18175 40MESH	.7	2890	0	8	0	13100	.8	2	5	6300	138	1030
Q23180 40MESH	<u>1.0</u>	4090	0	10	0	16200	<u>.7</u>	4	7	7560	234	1110
Q23185	<u>1.9</u>	4150	<u>58</u>	10	22	20800	<u>2.8</u>	11	5	25700	114	1140
Q23190 40MESH	.9	1580	0	13	15	16600	1.5	2	7	8560	54	961
Q23195 40MESH	.7	1030	0	9	0	14200	.3	0	3	2520	56	933
Q23200 40MESH	<u>1.1</u>	1760	0	8	15	17400	<u>.9</u>	2	5	5790	130	1750
Q23205 40MESH	<u>1.4</u>	2470	12	14	23	15800	<u>3.2</u>	11	4	19100	99	1640
Q23210 40MESH	<u>1.1</u>	2490	<u>21</u>	8	14	22200	<u>.6</u>	4	5	9070	105	1970
Q23215 40MESH	.6	2860	0	5	13	14100	.9	1	3	4530	101	1440
Q23220 40MESH	.6	6010	0	8	14	22000	2.3	4	14	7560	106	2560
N11145	0	22400	0	18	28	1220	0	8	9	37800	145	1610
N11150	.1	18900	0	16	34	1560	.4	10	11	51600	253	2670
N11155	0	29600	0	26	33	2020	1.2	15	19	50900	608	3870
N11160	.1	12300	0	10	28	1120	0	6	7	39800	163	1430
N11165	.3	9190	0	9	26	948	0	5	3	35500	129	1310
N11170 40MESH	.4	3550	0	4	0	2880	0	2	7	4790	139	444
N11175 40MESH	.1	1980	0	3	0	5580	1.0	1	5	3020	191	566
N11180 40MESH	<u>1.9</u>	3490	0	8	12	31500	<u>.8</u>	4	9	6550	116	1270
N12115	0	13400	0	12	27	2540	0	9	8	49900	212	3840
N12120	.1	17300	0	14	27	1730	0	9	11	54200	157	1790
N12125 40MESH	<u>1.9</u>	3280	0	12	12	30100	<u>.8</u>	5	9	6800	176	2030
N12130	0	18300	0	16	27	1690	0	10	15	46600	283	2840
N12135	.2	8630	0	7	25	1750	0	4	6	40600	229	1230
N12140	0	6340	0	5	23	1020	0	4	3	29700	115	809
N13065 40MESH	.4	980	1	4	0	11900	1.0	0	4	3020	161	1790
N13070 40MESH	.7	913	1	11	0	30000	.2	0	4	3280	173	2260
N13075 40MESH	.7	1080	0	5	0	19600	1.1	0	3	2520	105	1690

PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 3-9515/P7+8

ATTENTION: JOHN GREIG

(604)980-5814 DR (604)988-4524

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	PN	MO	NA	NI	P	PB	SB	SR	TH	U	V	ZN
Q03010	50	11	53	11	172	22	1	18	3	0	72.0	0✓
Q03015 40MESH	6890	49	52	98	1090	128	40	58	25	61	127.0	x16✓
Q03020 40MESH	759	7	128	12	633	26	1	20	9	7	13.1	21✓
Q03025	9080	19	57	89	712	72	9	28	6	60	22.8	x43✓
Q03030	1170	13	51	19	664	46	8	31	14	16	28.0	1✓
Q03035	50	4	44	3	103	9	1	13	2	1	58.6	0✓
Q03040 40MESH	1530	15	136	24	706	46	12	28	14	17	19.8	10✓
Q08045	534	11	78	14	618	32	10	20	12	14	16.8	19✓
Q08050	15500	30	53	161	1070	112	26	38	11	78	38.4	x20✓
Q08055	87	7	33	8	171	19	3	14	2	0	46.7	0✓
Q08060	706	28	72	27	958	69	24	39	24	20	46.7	x20✓
Q08065 40MESH	95	6	98	6	537	17	2	35	9	2	28.0	3✓
Q08070 40MESH	3720	20	111	41	530	69	15	32	15	34	24.3	43✓
Q08075	4590	19	81	46	592	53	19	24	13	41	24.3	16✓
Q08080 40MESH	742	8	139	12	615	30	1	24	9	12	15.3	12✓
Q08085	9770	10	108	95	476	75	11	27	4	61	21.3	24✓
Q08090 40MESH	57400	55	123	753	827	291	37	47	0	375	69.8	x89✓
Q08095 40MESH	1900	8	136	22	621	40	1	25	9	16	13.8	33✓
Q08100	847	4	70	11	810	16	1	16	8	0	10.8	7✓
Q08105	76	9	39	14	146	9	1	17	5	0	70.5	0✓
Q08110	37	1	16	7	72	0	0	6	1	0	55.6	0✓
Q08115	180	13	75	16	245	25	0	15	3	5	66.1	6✓
Q08120	45	9	41	11	117	0	0	18	3	6	94.4	0✓
Q13125	40	9	47	12	437	10	4	19	2	3	92.9	0✓
Q13130	50	6	53	12	303	15	0	20	5	6	57.1	0✓
Q13135	78	14	42	13	157	42	6	19	5	11	103.0	8✓
Q13140	64	19	57	22	225	23	4	23	4	8	114.0	1✓
Q13145 40MESH	851	19	77	30	697	56	23	48	17	42	183.0	x13✓
Q18150	78	4	41	7	275	8	0	9	4	5	30.2	10✓
Q18155 40MESH	679	10	84	18	708	39	4	46	8	24	20.5	13✓
Q18160	15	2	23	1	51	12	0	5	1	2	25.8	0✓
Q18165	60	14	43	13	610	32	6	20	7	7	156.0	4✓
Q18170	38	8	47	14	214	17	5	19	3	7	76.5	0✓
Q18175 40MESH	55	7	122	9	730	14	4	27	6	13	13.1	7✓
Q23180 40MESH	241	6	96	9	696	23	2	35	5	22	20.5	9✓
Q23185	1460	15	58	23	1020	42	13	37	14	37	46.7	x13✓
Q23190 40MESH	432	8	189	8	577	11	4	20	6	11	17.5	12✓
Q23195 40MESH	95	3	68	7	443	7	2	16	4	6	7.9	2✓
Q23200 40MESH	466	7	73	17	850	28	0	22	7	11	13.8	x10✓
Q23205 40MESH	2210	13	312	36	660	42	11	33	9	27	26.5	x17✓
Q23210 40MESH	609	10	76	16	870	23	5	31	9	12	16.8	x9✓
Q23215 40MESH	17	4	105	10	532	14	2	34	5	5	10.1	0✓
Q23220 40MESH	161	6	88	20	602	19	2	54	6	10	22.8	17✓
N11145	70	13	62	17	665	18	8	28	5	2	92.9	0✓
N11150	74	17	78	21	466	19	0	22	4	3	118.0	0✓
N11155	110	14	124	44	383	35	5	36	5	7	106.0	2✓
N11160	54	11	57	15	308	16	1	17	4	1	103.0	0✓
N11165	34	8	38	7	178	8	1	15	2	3	106.0	1✓
N11170 40MESH	53	3	82	6	498	8	0	19	2	4	10.1	12✓
N11175 40MESH	88	1	71	1	401	14	0	20	3	0	7.9	19✓
N11180 40MESH	610	6	106	19	602	21	1	34	8	26	43.7	x6✓
N12115	111	15	103	23	137	24	0	21	3	0	103.0	9✓
N12120	63	12	71	15	286	14	0	21	1	4	126.0	0✓
N12125 40MESH	1200	8	89	21	694	28	5	21	8	35	38.4	x15✓
N12130	141	12	65	26	214	18	0	20	4	0	98.2	0✓
N12135	40	5	55	4	72	0	0	12	0	1	60.8	0✓
N12140	24	6	41	4	85	3	0	11	0	4	66.8	0✓
N13065 40MESH	37	3	107	4	435	17	1	12	5	4	7.9	11✓
N13070 40MESH	120	10	51	8	589	21	1	22	8	1	10.8	6✓
N13075 40MESH	12	4	96	8	372	26	2	16	6	5	9.3	9✓

COMPANY: CUMBERLAND RESOURCES

PROJECT No: SAVANT

ATTENTION: JOHN GREIG

MIN-EN LABS JCP REPORT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

(ACT:GEO3A+) PAGE 3 OF 3

FILE No: 3-9515/P7+B

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	BA	SE
Q03010	16	108
Q03015 40MESH	171	723
Q03020 40MESH	63	324
Q03025	400	423
Q03030	154	399
Q03035	10	30
Q03040 40MESH	104	410
Q08045	91	396
Q08050	387	641
Q08055	9	28
Q08060	129	633
Q08065 40MESH	39	303
Q08070 40MESH	124	499
Q08075	283	442
Q08080 40MESH	71	309
Q08085	236	302
Q08090 40MESH	2050	664
Q08095 40MESH	108	317
Q08100	39	270
Q08105	7	11
Q08110	1	25
Q08115	27	113
Q08120	17	85
Q13125	18	114
Q13130	7	92
Q13135	26	147
Q13140	18	151
Q13145 40MESH	161	456
Q18150	10	63
Q18155 40MESH	110	311
Q18160	3	5
Q18165	14	195
Q18170	9	112
Q18175 40MESH	49	243
Q23180 40MESH	56	252
Q23185	85	388
Q23190 40MESH	32	249
Q23195 40MESH	12	188
Q23200 40MESH	20	253
Q23205 40MESH	60	301
Q23210 40MESH	63	273
Q23215 40MESH	41	216
Q23220 40MESH	79	273
N11145	25	130
N11150	32	172
N11155	115	165
N11160	25	117
N11165	15	96
N11170 40MESH	41	89
N11175 40MESH	34	96
N11180 40MESH	75	303
N12115	21	107
N12120	16	104
N12125 40MESH	61	280
N12130	39	92
N12135	17	4
N12140	8	32
N13065 40MESH	4	187
N13070 40MESH	24	286
N13075 40MESH	17	208

COMPANY: CUMBERLAND RESOURCES

MIN-EN LABS ICP REPORT

(ACT:GEO3A+) PAGE 1 OF 3

PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: J-9515/P9+10

ATTENTION: JOHN GREIG

(604)980-5814 OR (604)980-1524

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	AG	AL	AS	B	BI	CA	CD	CO	CU	FE	K	MG
N13080	0	7320	0	6	25	1070	0	5	7	4300	207	1730
N13085	0	16300	0	14	28	1710	1.8	9	12	41800	381	3000
N13090	.4	13000	0	12	27	4380	1.3	11	8	50100	371	4380
N13095	0	14200	0	12	23	3180	.2	10	8	54400	423	4430
N13100	.3	7840	0	5	16	1630	0	3	3	30700	165	1050
N13105	0	10000	0	8	25	1650	0	6	8	35800	226	2200
N13110	0	8140	0	5	20	1020	0	3	3	29500	128	852
N15000	0	7620	0	6	25	2010	1.5	7	3	34300	235	2420
N15005 40MESH	0	10600	0	9	25	2240	1.0	8	6	42300	268	3210
N15010	.5	3490	0	8	13	24700	.6	2	8	10300	71	1010
N15015	0	11100	0	9	25	2030	.4	7	14	38800	129	2620
N15020 40MESH	.4	13600	0	12	13	20900	.3	5	7	15100	187	1520
N15025 40MESH	.7	3160	0	7	0	23800	.7	2	10	7560	106	1260
N15030 40MESH	.5	4430	0	8	0	22300	.7	2	14	7560	139	1020
N16035	0	16600	0	17	29	6480	3.5	18	10	53400	146	10400
N16040 40MESH	1.6	4140	0	9	15	22300	1.0	7	8	16400	117	1480
N16045 40MESH	.8	1660	0	7	14	18500	1.5	2	3	7560	138	2160
N16050 40MESH	.5	1760	0	8	0	16900	.9	0	3	5040	146	2060
N16055 40MESH	1.3	1640	0	8	14	19500	1.6	3	3	6050	311	2170
N16060 40MESH	0	909	0	9	0	13600	.3	1	5	2270	89	1460
K33075	0	5620	0	4	16	1900	1.2	4	3	25700	119	1920
K33080	.4	10600	0	10	25	4800	1.3	9	15	36800	301	3670
K33085	0	17800	0	15	28	1160	1.6	10	10	44800	147	2590
K33090	0	15200	0	12	25	1340	1.3	8	8	37800	169	2330
K33095 40MESH	.2	5630	0	12	0	20600	.7	2	11	8060	125	1450
K33100 40MESH	0	1510	0	1	0	5430	.9	1	1	4530	47	401
K33105 40MESH	0	1700	0	3	0	5290	.2	0	3	3530	44	459
K33110 40MESH	0	5190	0	7	17	7450	.6	2	9	9320	255	793
K33115	0	3250	0	1	0	804	0	2	2	16400	81	344
K33120	.5	14400	0	15	26	9500	1.0	11	17	4300	493	4310
K34030	0	6910	0	5	20	811	.2	4	5	28700	149	1350
K34035	.2	9700	0	7	25	2340	.5	7	5	37300	196	3240
K34040	.3	8310	0	7	26	2620	.2	6	7	29500	169	3030
K34045	0	24400	0	19	31	1110	0	10	9	47900	154	1960
K34050	0	4960	0	2	17	674	0	3	3	27500	69	895
K34055	.1	12700	0	12	27	1110	0	9	8	58700	128	3100
K34060	0	17300	0	15	27	1740	.5	10	9	49900	356	3610
K34065	0	8500	0	7	26	1780	.1	6	5	30500	124	2240
K34070	.3	25900	1	22	48	2830	1.5	26	71	111000	103	13900
K35000	.2	13900	0	14	27	4770	1.9	10	12	39800	370	3540
K35005	.2	16400	0	15	35	4650	2.2	14	12	60500	601	6130
K35010	0	8190	0	7	26	911	0	3	3	27500	82	994
K35015	0	10800	0	9	25	843	1.2	5	7	38800	84	1600
K35020 40MESH	.6	1840	0	5	0	26100	1.0	0	6	3530	47	1440
K35025	0	22700	0	19	25	856	0	8	8	40800	121	1450
F85000	0	12200	0	10	25	2120	1.4	11	25	35000	140	3460
F85005	.2	11000	0	10	25	1760	1.2	11	7	38500	121	5620
F85010	.3	11200	0	8	25	1810	0	9	6	39500	152	3560
F89015	0	26700	0	23	35	2540	2.5	20	26	69300	191	5670
F89020	.7	9500	0	10	14	29900	.7	6	29	21400	140	3570
F89025	0	11900	0	9	25	2830	.8	7	12	33000	183	2740
F89030 40MESH	.1	4520	0	7	0	14500	.9	3	29	5290	47	921
F89035	.5	8820	0	7	25	2320	0	9	30	33500	152	2810
F89040	.4	7640	0	7	26	2470	0	7	9	31200	187	3010
F89045	.4	46200	0	38	34	14000	1.3	22	102	49900	283	2400
F90050	.2	10200	0	9	25	1730	0	8	11	35800	157	2850
F90055	.2	9770	0	9	25	1930	0	7	9	39500	165	2660
F90060	.7	21800	0	22	38	5040	4.1	21	31	69500	598	7310
F90065	0	24100	0	22	27	5380	.8	14	44	44600	375	4360
F90070	.2	13400	0	12	31	1700	1.4	11	18	48400	204	3960

COMPANY: CUMBERLAND RESOURCES

PROJECT No: SAVANT

ATTENTION: JOHN GREIG

MIM-EN LABS JCP REPORT
 705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 DR (604)988-4524

(ACT:GEO3A+) PAGE 2 OF 3

FILE No: J-9515/P9+10

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V	ZN
N13080	48	7	47	18	227	13	0	10	3	0	130.0	3✓
N13085	90	7	77	27	467	14	0	21	5	0	87.0	4✓
N13090	199	10	138	24	231	15	0	27	4	1	97.4	16✓
N13095	173	9	142	22	178	31	0	24	2	0	100.0	13✓
N13100	39	4	54	4	96	10	0	17	0	0	53.4	0✓
N13105	66	3	78	14	202	0	0	15	1	0	69.8	3✓
N13110	30	5	39	10	122	14	0	15	0	0	66.1	0✓
N15000	98	4	81	13	202	8	0	15	2	0	60.1	4✓
N15005 40MESH	136	7	98	20	136	28	0	22	3	0	83.2	11✓
N15010	656	4	56	15	593	15	1	28	7	7	23.5	4✓
N15015	79	10	72	24	190	59	0	17	3	0	76.5	1✓
N15020 40MESH	104	8	47	22	671	12	0	41	8	24	58.6	+3✓
N15025 40MESH	125	6	72	16	919	23	0	35	7	8	19.8	0✓
N15030 40MESH	406	6	71	14	957	15	0	38	6	5	30.2	3✓
N16035	304	24	62	60	641	59	8	29	12	2	159.0	32✓
N16040 40MESH	3860	10	59	44	885	36	6	29	7	30	31.0	✓10x
N16045 40MESH	1610	6	61	18	1030	29	2	17	5	10	12.3	13✓
N16050 40MESH	222	4	78	12	870	17	0	17	6	4	13.8	7✓
N16055 40MESH	1730	7	98	24	834	55	2	20	6	14	14.6	x22✓
N16060 40MESH	142	2	73	3	601	9	0	15	5	0	7.9	9✓
K33075	66	4	57	7	246	5	0	12	1	0	45.2	2✓
K33080	134	10	116	24	467	20	0	21	6	6	72.8	10✓
K33085	66	10	46	24	255	17	4	22	5	0	103.0	0✓
K33090	72	5	53	20	149	23	0	23	3	0	78.7	4✓
K33095 40MESH	115	3	107	9	549	10	0	16	5	0	28.0	x20✓
K33100 40MESH	45	1	74	3	33	2	0	8	3	0	4.9	1✓
K33105 40MESH	37	2	68	6	291	8	0	11	3	0	7.9	22✓
K33110 40MESH	14	1	111	8	761	16	1	21	4	0	13.8	7✓
K33115	19	1	29	4	80	0	0	4	0	0	28.7	0✓
K33120	193	13	142	31	574	24	1	30	9	12	82.5	+21✓
K34030	95	4	26	11	536	21	0	11	5	0	71.3	6✓
K34035	130	6	89	24	223	12	0	18	3	4	73.5	8✓
K34040	169	8	79	23	342	22	0	17	4	8	61.6	7✓
K34045	73	12	51	24	477	29	4	24	6	0	112.0	0✓
K34050	24	0	29	8	76	2	0	9	0	0	66.1	+0✓
K34055	113	9	69	23	191	19	0	11	2	0	141.0	0✓
K34060	109	12	78	30	299	19	2	24	4	0	108.0	5✓
K34065	69	6	57	15	285	8	0	12	2	0	61.6	0✓
K34070	262	27	44	81	163	54	0	27	2	0	208.0	16✓
K35000	383	8	95	27	251	25	3	25	8	14	91.4	+14✓
K35005	339	14	169	32	405	37	2	30	8	15	123.0	19✓
K35010	38	4	47	16	244	2	0	13	3	0	69.0	4✓
K35015	41	9	29	9	213	13	1	14	3	0	109.0	0✓
K35020 40MESH	56	0	54	12	390	5	0	30	6	0	19.8	11✓
K35025	78	11	34	26	532	19	3	22	6	0	124.0	x2✓
F85000	70	✓12	42	28	136	✓32	3	28	6	0	108.0	18
F85005	63	✓11	35	28	141	✓25	1	36	5	0	137.0	21
F85010	61	✓7	45	23	215	✓25	0	21	2	4	108.0	33
F89015	110	✓19	70	66	430	✓46	10	53	9	7	153.0	48
F89020	298	✓7	48	21	542	✓20	1	86	8	22	46.7	6
F89025	89	✓12	54	25	323	✓18	0	24	2	5	63.1	9
F89030 40MESH	366	✓0	39	9	572	✓14	0	74	5	5	16.1	20
F89035	186	✓10	53	27	168	✓52	0	22	4	6	63.1	23
F89040	121	✓8	40	18	132	✓31	4	24	5	6	70.5	13
F89045	319	✓24	59	54	1050	✓60	23	155	18	76	121.0	0
F90050	70	✓10	47	21	321	✓8	0	21	3	7	72.0	7
F90055	69	✓8	54	15	151	✓16	0	22	1	11	86.2	7
F90060	509	✓24	66	51	839	✓74	10	54	15	25	153.0	29
F90065	142	✓16	71	45	707	✓40	7	59	8	9	98.9	15
F90070	97	✓14	50	30	261	✓18	1	28	4	17	97.4	8

COMPANY: CUMBERLAND RESOURCES

MIN-EN LABS ICP REPORT

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PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 3-9519/P9+10

ATTENTION: JOHN GREIG

(604)980-5814 OR (604)988-4524

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	BA	SE
N13080	15	72
N13085	48	92
N13090	36	136
N13095	34	132
N13100	20	25
N13105	25	8
N13110	19	27
N15000	14	18
N15005 40MESH	26	99
N15010	51	215
N15015	19	75
N15020 40MESH	191	208
N15025 40MESH	74	206
N15030 40MESH	101	203
N16035	67	250
N16040 40MESH	119	254
N16045 40MESH	37	181
N16050 40MESH	19	171
N16055 40MESH	30	191
N16060 40MESH	15	97
K33075	9	41
K33080	48	140
K33085	37	98
K33090	32	112
K33095 40MESH	42	169
K33100 40MESH	28	94
K33105 40MESH	29	58
K33110 40MESH	46	127
K33115	5	0
K33120	82	186
K34030	15	108
K34035	26	96
K34040	28	101
K34045	39	172
K34050	8	18
K34055	12	92
K34060	51	134
K34065	20	23
K34070	39	269
K35000	62	140
K35005	49	181
K35010	15	31
K35015	12	92
K35020 40MESH	40	171
K35025	31	139
F85000	29	139
F85005	30	112
F85010	35	95
F89015	53	219
F89020	73	263
F89025	30	99
F89030 40MESH	163	187
F89035	37	91
F89040	42	130
F89045	196	361
F90050	25	83
F90055	31	77
F90060	192	336
F90065	177	192
F90070	34	140

COMPANY: CUMBERLAND RESOURCES

MIN-EM LABS JCP REPORT

(ACT:6E03A+) PAGE 1 OF 3

PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: J-951S/P11+12

ATTENTION: JOHN GREIG

(604)980-5814 DR (604)988-4524

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	AG	AL	AS	B	BI	CA	CD	CO	CU	FE	K	MG
F90075 40MESH	.5	3730	✓0	6	16	14900	.9	2	23	4530	113	925
F90080 40MESH	.5	3670	✓0	6	0	21200	.8	3	14	6550	130	1090
F90085	.9	11800	✓0	11	35	936	0	12	8	72500	843	8240
F97205	.3	11200	✓0	9	29	1200	.9	7	9	31200	798	2860
F97210	.2	9360	✓0	8	27	2140	1.3	9	7	50600	216	4250
F97215	.6	15800	✓0	16	35	3470	0	15	12	70000	307	7310
F97220	.1	6450	✓199	13	43	466	4.5	11	5	62700	183	779
F97225	1.3	29000	✓19	28	55	13800	4.4	35	37	115000	764	20200
F98160	0	16300	✓52	14	39	741	2.5	17	7	30200	126	9450
F98165	0	4030	✓0	3	0	14200	.9	3	14	5540	89	921
F98170	0	4870	✓0	4	0	354	.1	1	3	4530	64	230
F98175	.3	5960	✓0	3	18	1250	.5	2	9	11800	58	601
F98180	.3	7520	✓0	6	19	1170	.9	5	5	30500	121	2210
F98185	.3	11100	✓0	9	28	1590	1.1	8	11	39800	179	3180
F98190	0	13100	✓16	13	30	1560	.6	9	9	60700	148	3210
F98195	.6	4680	✓0	6	13	10700	.7	4	16	8560	129	1060
F99125	.1	10600	✓0	9	25	1570	.3	7	8	39800	117	2900
F99130	.2	15200	✓0	12	28	2190	1.0	9	14	42600	152	3840
F99135	.3	15300	✓0	15	27	3140	1.4	14	14	47900	376	6960
F99140	.4	11400	✓0	9	28	2880	.8	10	10	44800	127	3520
F99145	1.6	7920	✓0	9	16	26100	.6	3	31	10600	122	2890
F99150	N/S											
F99155	N/S											
F00090	0	6640	✓0	4	21	535	.3	4	6	15100	174	744
F00095	.7	24100	✓7	22	39	4570	2.3	17	43	59200	309	4250
F00100 40MESH	.4	2740	✓0	1	0	4650	.2	1	8	3280	72	383
F00105 40MESH	.2	1570	✓0	1	0	3750	.3	0	7	2020	79	380
F00110	1.0	4090	✓0	7	16	11900	.6	8	15	9320	128	698
F00115	.4	3440	✓0	4	0	10900	0	2	13	6050	108	714
F00120	.1	3410	✓0	6	17	8270	.7	2	11	8560	134	713
F97200	.3	12100	✓0	11	28	1450	1.5	9	8	47400	321	3670
121155	0	3570	0	2	17	745	0	2	1	17100	99	515
121160	0	13100	0	13	28	2090	0	7	7	46300	476	3440
121165	0	6980	0	6	17	1010	2.1	3	3	23700	107	999
121170	0	15500	0	15	28	2210	0	8	6	44800	266	3000
121175	.1	12600	0	12	24	2860	0	8	7	44800	332	3620
121180	0	11600	0	11	26	1270	0	6	3	33000	136	1400
121185	0	10600	0	9	20	1030	0	4	2	26200	114	883
121190	.2	8260	0	7	26	1300	.1	5	2	31000	166	1330
122125	.4	5200	0	3	17	3250	.1	3	3	18100	89	1170
122130	.7	7440	0	9	13	23500	0	4	17	14400	101	2020
122135	0	10400	0	10	25	1930	0	6	5	35800	312	2490
122140	.2	15000	0	16	33	3840	1.7	11	8	56700	475	4900
122145	.2	12200	0	12	24	2880	.9	9	7	43800	276	4050
122150	.5	4330	0	4	20	1030	0	3	2	24700	183	1160
123075	.6	2160	0	5	0	10700	.9	1	7	4530	85	1040
123080	.6	2010	0	6	0	12100	0	1	8	5540	95	1190
123085	.2	4730	0	4	17	1440	0	4	3	19400	73	1050
123090	.8	2130	0	5	0	16800	.2	4	10	4030	54	1070
123095	0	5780	0	6	16	10500	2.1	4	7	10600	130	1300
123100 40MESH	.2	8270	0	9	19	3120	0	6	4	31000	216	2420
123105	.6	12600	0	12	24	3200	1.4	8	6	48600	322	3610
123110	.5	14000	0	13	27	3230	0	11	7	52600	388	4310
123115	.3	9260	0	10	22	2450	2.1	6	5	37300	288	2610
123120	.4	10300	0	10	27	3160	0	9	7	45100	393	3520
124035	.1	10700	0	9	25	2160	1.0	8	11	41800	175	4550
124040	0	4170	0	1	19	386	0	1	3	2520	87	204
124045	.2	9770	0	9	28	1740	.2	8	7	41800	235	4720
124050	.4	8140	0	6	19	2440	0	6	4	32500	255	2680
124055	.4	10600	0	11	26	1450	.7	6	5	33500	225	2460

COMPANY: CUMBERLAND RESOURCES

MIN-EN LABS ICP REPORT

(ACT:GE03A+) PAGE 2 OF 3

PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: J-9515/P11+12

ATTENTION: JOHN GREIF

(604)980-5814 OR (604)988-4524

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V	ZN
F90075 40MESH	97	✓4	78	7	595	✓12	2	82	5	7	19.0	5
F90080 40MESH	189	✓5	84	14	772	✓20	0	125	6	6	15.3	4
F90085	64	✓22	122	30	188	✓46	0	20	5	0	190.0	25
F97205	74	✓12	32	21	272	✓32	7	23	6	0	50.4	20
F97210	71	✓16	31	22	162	✓32	0	68	3	0	98.9	3
F97215	124	✓22	39	55	168	✓49	0	95	5	3	156.0	13
F97220	22	✓29	12	23	310	✓68	33	31	25	12	121.0	10
F97225	862	✓47	40	85	814	✓83	10	166	12	22	295.0	27
F98160	66	✓32	20	84	356	✓79	21	34	15	17	180.0	45
F98165	12	✓4	24	11	391	✓8	0	98	6	7	13.1	1
F98170	12	✓2	20	9	127	✓0	0	14	2	0	21.3	0
F98175	14	✓3	29	18	127	✓4	3	22	3	9	28.0	0
F98180	41	✓6	26	12	136	✓12	0	24	2	2	68.3	0
F98185	69	✓15	38	20	311	✓20	3	26	5	4	84.0	4
F98190	68	✓16	35	24	162	✓34	1	48	6	0	142.0	4
F98195	649	✓5	49	19	851	✓27	2	50	4	16	25.8	36
F99125	68	✓11	41	14	86	✓31	0	25	2	0	91.4	3
F99130	94	✓17	50	28	546	✓29	5	30	7	3	96.7	15
F99135	348	✓22	50	37	342	✓50	9	47	9	7	117.0	29
F99140	157	✓14	57	27	80	✓16	0	38	3	9	72.0	2
F99145	1270	✓10	49	33	720	✓23	5	212	8	35	20.5	10
F99150	N/S											
F99155	N/S											
F00090	36	✓5	47	5	132	✓20	1	12	4	1	60.8	0
F00095	234	✓29	81	39	835	✓65	18	62	16	34	127.0	11
F00100 40MESH	46	✓3	51	8	330	✓10	2	34	1	11	7.9	4
F00105 40MESH	39	✓2	74	2	425	✓0	1	25	1	3	4.9	4
F00110	891	✓14	42	19	602	✓23	3	56	5	22	23.5	25
F00115	78	✓8	43	10	669	✓13	4	56	4	8	15.3	5
F00120	82	✓10	56	8	689	✓8	0	44	5	0	21.3	5
F97200	80	✓16	39	25	155	✓33	6	35	5	1	100.0	7
I21155	19	3	20	4	202	2	0	4	0	0	30.2	0
I21160	114	14	96	24	303	25	0	23	3	0	93.7	9
I21165	37	1	28	4	795	5	0	11	3	0	52.6	0
I21170	95	11	88	23	296	20	1	22	4	5	91.4	3
I21175	131	14	120	21	315	26	0	24	4	3	85.5	+8
I21180	50	6	51	13	422	12	0	20	2	4	71.3	0
I21185	32	4	43	3	288	2	0	15	2	4	55.6	0
I21190	43	6	45	4	188	0	1	13	0	6	70.5	0
I22125	47	4	55	11	306	15	0	13	0	12	28.7	+0
I22130	94	8	54	19	601	21	4	26	7	20	56.4	0
I22135	80	10	73	21	223	11	0	17	2	0	72.0	8
I22140	231	21	157	26	339	27	0	30	4	1	110.0	11
I22145	194	13	114	22	386	14	1	22	4	7	87.0	8
I22150	39	4	39	11	115	15	0	7	0	9	54.1	0
I23075	37	3	65	3	577	15	1	16	3	17	15.3	+5
I23080	98	3	66	10	568	24	0	14	4	14	20.5	7
I23085	39	3	51	8	146	5	0	9	1	3	34.0	0
I23090	63	4	69	23	317	17	0	22	5	5	9.3	19
I23095	117	5	52	11	705	11	2	20	6	6	25.0	10
I23100 40MESH	107	6	86	14	227	15	0	15	3	10	57.8	+11
I23105	178	15	128	26	264	19	0	21	1	4	91.4	15
I23110	209	12	140	21	312	0	0	25	3	12	97.4	13
I23115	105	10	87	16	298	13	0	17	1	5	67.6	7
I23120	148	17	130	22	289	18	0	23	3	15	84.0	14
I24035	110	14	73	30	254	19	0	17	2	6	79.5	7
I24040	11	1	35	6	101	5	0	7	0	4	9.3	+0
I24045	131	19	39	26	128	20	0	13	2	2	72.8	7
I24050	132	8	86	18	340	6	0	15	3	6	60.1	5
I24055	81	7	47	18	239	16	0	17	3	8	75.0	6
I24060	43	7	28	6	188	17	0	9	0	4	43.7	+10

COMPANY: CUMBERLAND RESOURCES

MIN-EN LABS ICP REPORT

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PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 3-9519/P11-12

ATTENTION: JOHN GREIG

(604)980-5814 OR (604)988-4524

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	BA	SE
F90075 40MESH	83	214
F90080 40MESH	128	238
F90085	116	154
F97205	29	173
F97210	26	139
F97215	52	163
F97220	32	451
F97225	248	485
F98160	40	239
F98165	42	203
F98170	17	11
F98175	22	46
F98180	13	26
F98185	20	126
F98190	25	193
F98195	78	182
F99125	30	74
F99130	48	154
F99135	65	208
F99140	29	130
F99145	135	298
F99150	N/S	
F99155	N/S	
F00090	38	60
F00095	109	330
F00100 40MESH	44	78
F00105 40MESH	30	62
F00110	44	197
F00115	59	84
F00120	51	148
F97260	27	161
121155	5	12
121160	32	130
121165	6	42
121170	29	134
121175	30	149
121180	11	86
121185	13	27
121190	11	24
122125	13	57
122130	79	279
122135	25	90
122140	39	148
122145	31	114
122150	5	32
123075	23	159
123080	21	88
123085	9	34
123090	93	188
123095	43	205
123100 40MESH	30	90
123105	32	141
123110	40	152
123115	21	121
123120	26	94
124035	18	99
124040	17	17
124045	36	132
124050	20	103
124055	29	103
124060	24	39

COMPANY: CUMBERLAND RESOURCES

MIN-EN LABS ICP REPORT

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PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 3-9515/P13+14

ATTENTION: JOHN GREIB

(604)980-5814 OR (604)980-4524

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	AG	AL	AS	B	B1	CA	CD	CO	CU	FE	K	MS
124065	0	17200	0	16	29	4570	.9	11	11	56200	579	5280
124070	0	8840	0	7	26	904	0	4	5	33500	108	1100
125000	.1	12000	0	12	27	4390	.5	10	8	49400	490	4360
125005	.2	15100	0	15	33	3710	.1	11	8	55900	490	4330
125010	.3	1980	0	9	0	18500	.9		8	5290	97	1180
125015	1.0	1510	0	9	0	29500	0	1	17	3530	67	1100
125020	.1	12900	0	10	24	2990	.6	10	5	49100	418	3660
125025	.1	16800	0	16	27	2150	.7	10	9	47400	320	3710
125030	0	12200	0	9	26	1490	.1	6	6	30700	175	2280
D05120	.1	5980	✓0	10	17	22900	.5	4	28	11100	137	1200
D05125	0	30300	✓0	27	42	3460	3.4	22	22	93200	253	11800
D05130	.3	4530	✓0	6	0	22400	0	1	13	6800	51	1080
D05135	1.0	8150	✓0	10	12	29400	.3	5	32	15100	149	1600
D05140	0	8990	✓0	8	24	2190	0	7	7	45000	221	3260
D05145	.4	28300	✓0	26	47	5390	3.3	25	27	197000	1080	18600
D05150	0	9280	✓0	7	28	1890	0	7		44600	146	2950
D05155	.5	16500	✓0	16	35	4120	2.7	14	13	66000	267	8090
D06100	.7	4550	✓0	6	0	11500	0	2	18	5790	81	766
D06105 40MESH	.5	3840	✓0	6	0	16900	.9	1	16	5290	64	928
D06110 40MESH	.4	2980	✓0	6	0	13800	.2	0	16	3530	60	701
D06115 40MESH	.1	2010	✓0	4	0	11400	.2	1	9	3280	77	762
D07035	.2	11300	✓0	9	28	2420	.9	12	15	42800	288	4130
D07040	.2	10500	✓0	9	27	4480	2.1	11	6	49100	196	7910
D07045	0	3810	✓0	7	17	3100	0	3	4	13100	121	1900
D07050	0	3050	✓0	2	18	4340	0	1	8	8310	180	1070
D07055	0	7930	✓0	6	17	2150	.2	6	8	16100	301	1520
D07060	.5	19800	✓0	18	33	4860	0	17	12	86100	220	7980
D07065	0	12600	✓0	11	25	1770	0	7	7	43300	172	2210
D07070 40MESH	.7	4410	✓0	4	17	1020	0	2	5	22700	87	596
D07075	.2	5260	✓0	3	20	926	0	2	5	21700	87	653
D07080 40MESH	0	3850	✓0	6	0	14000	.2	1	20	3780	52	1150
D07085	0	4230	✓0	2	0	388	0	1	2	10300	86	710
D07090 40MESH	0	3060	✓0	5	0	18200	0	1	9	3530	62	1430
D07095	0	4750	✓0	7	0	17400	.9	1	20	5540	65	892
D08000	.1	9500	✓0	9	11	18700	0	3	42	14600	124	1940
D08005	0	5300	✓0	5	0	12400	0	2	15	13100	152	1080
D08010 40MESH	0	6270	✓0	5	0	18500	0	1	18	7810	86	1000
D08015 40MESH	.4	2540	✓0	3	0	8370	1.6	4	11	6550	196	709
D08020	0	7470	✓0	5	16	1730	.8	6	4	31500	106	2310
D08025	0	9040	✓0	7	26	1050	.1	4	6	31200	119	1670
D08030	1.0	20200	✓0	18	25	12300	0	16	20	44800	395	4550
E01110	.7	10100	✓0	11	26	1280	0	9	7	69000	222	2010
E01115	.2	9090	✓0	8	25	1020	0	5	6	38800	170	1520
E01120	.1	11300	✓0	9	28	1090	.4	7	12	38500	165	2450
E01125	0	15000	✓0	11	28	1300	.8	10	18	45800	161	3220
E01130	0	22500	✓0	18	30	3170	.3	18	13	52900	142	3590
E01135	0	19000	✓0	16	29	2040	1.4	12	13	61500	275	4030
E01140	0	15400	✓0	14	30	3050	.2	14	11	54400	184	3760
E01145	.6	20300	✓0	20	42	1320	0	16	14	109200	365	7050
E01150	.3	11000	✓0	12	25	3890	.1	6	16	30000	824	3480
E02075	0	3460	✓0	3	0	1150	1.0	1	8	4030	130	275
E02080	.8	14200	✓0	12	32	3470	.3	12	12	66500	176	5770
E02085	.3	18100	✓0	16	27	5500	1.8	12	21	41800	187	4020
E02090	.3	5840	✓356	18	20	686	7.9	17	6	138000	163	554
E02095 40MESH	.4	4760	✓0	5	16	13400	.7	3	36	7560	93	768
E02100 40MESH	.4	4710	✓0	6	0	13400	0	4	34	7560	79	749
E02105	.4	4030	✓0	2	20	1420	0	4	3	24900	131	1370
E04000	.6	19300	✓0	16	35	7110	1.1	24	23	104000	111	13700
E04005	.4	19100	✓0	16	34	4150	.6	15	7	74100	217	8920
E04010	.2	11500	✓0	12	28	2410	1.7	9	9	43800	157	4110

COMPANY: CUMBERLAND RESOURCES

MIN-EN LABS ICP REPORT

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PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: J-9515/P13+14

ATTENTION: JOHN GREIG

(604)980-5814 DR (604)988-4524

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	MN	MO	MA	MI	P	PB	SB	SR	TII	U	V	ZN
124065	276	13	181	39	362	27	0	34	9	4	112.0	19
124076	36	5	38	11	166	2	0	16	3	0	89.2	0
125000	143	11	127	21	137	14	0	24	4	0	89.9	9
125005	197	12	152	25	300	16	0	29	3	1	103.0	23
125010	200	2	62	8	693	11	0	16	6	0	18.3	18
125015	91	2	95	3	552	13	1	12	8	0	39.9	34
125020	203	8	113	18	262	15	0	23	2	0	91.4	14
125025	387	12	88	27	757	26	2	25	6	1	100.0	20
125030	84	7	68	19	260	14	0	15	3	0	59.3	2
D05120	276	✓2	70	26	730	✓25	4	113	7	11	24.3	4
D05125	211	✓31	49	67	418	✓56	0	97	9	0	215.0	20
D05130	37	✓4	30	9	363	✓12	0	106	6	4	16.1	0
D05135	552	✓7	57	24	750	✓13	2	170	7	30	34.7	5
D05140	74	✓8	40	22	201	✓28	0	35	3	0	120.0	6
D05145	294	✓27	41	97	628	✓56	0	136	6	0	268.0	27
D05150	60	✓5	36	17	93	✓13	0	53	1	2	103.0	4
D05155	164	✓18	63	49	276	✓35	0	95	4	7	140.0	6
D06100	161	✓2	64	9	696	✓25	2	47	3	19	20.5	18
D06105 40MESH	125	✓4	63	11	847	✓15	0	67	4	10	18.3	3
D06110 40MESH	70	✓4	70	6	707	✓8	0	57	5	3	16.1	6
D06115 40MESH	70	✓3	106	7	536	✓3	0	53	3	0	10.8	5
D07035	125	✓13	59	32	262	✓32	0	26	4	0	84.0	12
D07040	91	✓16	53	33	277	✓30	0	28	6	0	127.0	4
D07045	53	✓2	37	14	204	✓16	0	41	4	0	46.7	13
D07050	20	✓3	64	7	315	✓12	0	83	1	0	12.3	15
D07055	51	✓7	37	32	301	✓22	5	38	5	5	57.1	15
D07060	231	✓16	57	26	155	✓19	0	108	0	6	172.0	25
D07065	78	✓6	43	10	160	✓18	0	28	0	9	105.0	18
D07070 40MESH	22	✓1	41	5	68	✓5	0	11	0	11	45.2	0
D07075	20	✓2	34	7	60	✓6	0	15	0	8	45.2	0
D07080 40MESH	141	✓2	35	9	642	✓7	0	75	4	0	17.5	2
D07085	22	✓0	23	1	76	✓4	0	9	1	0	31.7	0
D07090 40MESH	148	✓2	49	10	595	✓17	0	91	6	0	13.8	3
D07095	210	✓1	44	17	722	✓20	2	67	6	0	22.8	14
D08000	62	✓8	50	17	541	✓23	0	34	8	14	46.7	2
D08005	48	✓6	55	11	606	✓10	2	42	6	0	18.3	5
D08010 40MESH	35	✓2	53	14	563	✓13	1	52	7	2	17.5	20
D08015 40MESH	498	✓3	68	15	515	✓9	3	35	4	0	12.3	19
D08020	62	✓7	26	16	119	✓14	0	21	1	0	60.1	7
D08025	45	✓11	30	12	139	✓9	0	17	1	5	91.4	5
D08030	699	✓15	63	102	518	✓32	3	69	12	18	95.9	6
E01110	57	✓10	30	8	344	✓8	0	18	0	1	187.0	4
E01115	49	✓4	37	12	93	✓14	0	15	1	0	98.9	1
E01120	73	✓7	35	19	122	✓25	0	19	2	5	87.0	8
E01125	80	✓9	49	27	124	✓31	2	23	3	8	106.0	2
E01130	92	✓12	55	47	153	✓21	0	36	6	0	134.0	0
E01135	121	✓16	47	29	153	✓33	2	34	3	3	157.0	5
E01140	184	✓11	75	23	183	✓23	0	35	4	0	128.0	20
E01145	119	✓18	41	27	289	✓42	0	32	1	0	283.0	46
E01150	78	✓8	74	19	945	✓25	0	32	3	0	63.1	19
E02075	69	✓4	32	5	243	✓14	0	13	2	0	18.3	14
E02080	124	✓11	49	37	167	✓9	0	88	0	15	147.0	10
E02085	205	✓12	47	34	413	✓42	11	67	9	18	103.0	26
E02090	0	✓51	6	30	384	✓104	48	42	36	27	130.0	26
E02095 40MESH	164	✓5	52	17	812	✓7	0	54	5	3	14.8	9
E02100 40MESH	220	✓6	67	15	824	✓10	3	55	5	7	24.3	25
E02105	51	✓3	35	13	73	✓6	0	15	1	0	49.6	1
E04000	265	✓19	30	59	763	✓28	0	187	0	10	220.0	23
E04005	164	✓15	39	42	101	✓20	0	114	1	8	157.0	15
E04010	92	✓9	42	27	441	✓34	0	46	2	12	92.2	18

COMPANY: CUMBERLAND RESOURCES

MJN-EN LABS ICP REPORT

IAL1:GEO3A+1 PAGE 3 OF 3

PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 3-9515/P13+14

ATTENTION: JOHN GREIG

(604)980-5814 OR (604)980-4524

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	BA	SE
124065	67	165
124070	18	17
125000	39	133
125005	46	119
125010	38	86
125015	58	88
125020	42	94
125025	63	132
125030	25	81
D05120	162	176
D05125	56	270
D05130	135	151
D05135	163	190
D05140	40	67
D05145	187	287
D05150	26	91
D05155	30	145
D06100	75	81
D06105 40MESH	90	62
D06110 40MESH	79	89
D06115 40MESH	65	93
D07035	36	111
D07040	61	150
D07045	67	70
D07050	52	67
D07055	64	53
D07060	45	119
D07065	41	62
D07070 40MESH	13	0
D07075	14	21
D07080 40MESH	42	86
D07085	9	8
D07090 40MESH	56	163
D07095	105	79
D08000	94	145
D08005	85	132
D08010 40MESH	111	70
D08015 40MESH	60	86
D08020	17	24
D08025	24	21
D08030	149	200
E01110	34	110
E01115	23	89
E01120	34	75
E01125	25	141
E01130	120	143
E01135	51	121
E01140	58	122
E01145	83	172
E01150	109	99
E02075	75	31
E02080	37	115
E02085	62	214
E02090	60	791
E02095 40MESH	83	76
E02100 40MESH	75	76
E02105	10	25
E04000	73	185
E04005	37	129
E04010	29	146

COMPANY: CUMBERLAND RESOURCES

PROJECT No: SAVANT

ATTENTION: JOHN GREIG

MIN-EN LABS ICP REPORT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

(ACT:GEO3A+) PAGE 1 OF 3

FILE No: 3-9515/PIP15

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	AG	AL	AS	B	BI	CA	CD	CO	CU	FE	K	MG
E04015 40MESH	1.4	6280	✓0	21	10	3010	.4	4	15	12500	387	1390
E04020	1.2	12700	✓0	17	25	1220	1.8	8	5	29000	193	3740
E04025	1.9	17600	✓0	14	27	1750	1.4	10	8	35800	199	4080
E04030	1.7	13300	✓6	12	26	4530	2.8	14	16	38200	451	6960
E04035	1.3	18100	✓0	14	24	660	2.2	8	20	36000	201	3190
E04040	1.5	8630	✓0	6	16	906	1.4	4	9	22000	139	1640
E04045	1.7	5670	✓0	5	16	914	0	3	5	22000	117	1140
E04050	1.7	14100	✓0	21	16	11800	1.1	11	31	28000	195	2920
E04055 40MESH	1.0	2040	✓1	16	6	12600	1.0	1	7	2670	58	764
E04060 40MESH	1.6	2510	✓0	14	0	8850	1.0	1	20	3000	41	610
E04065 40MESH	1.6	5640	✓0	15	0	12200	0	2	17	6500	34	998
E04070	1.0	7950	✓0	14	0	2890	0	2	11	8000	79	500

COMPANY: CUMBERLAND RESOURCES

MIN-EN LABS ICP REPORT

(ACT:6E03A+) PAGE 2 OF 3

PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7N 1T2

FILE No: 3-9515/PIP15

ATTENTION: JOHN GREIG

16041980-5814 OR 16041982-4524

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V	ZN
E04015 40MESH	112	✓6	119	10	935	✓25	1	25	2	0	25.3	14
E04020	104	✓15	61	24	204	✓50	8	34	7	16	88.4	5
E04025	108	✓21	55	33	751	✓41	6	35	7	15	95.4	4
E04030	253	✓27	97	42	622	✓56	11	50	10	19	102.0	17
E04035	77	✓23	35	20	255	✓41	9	26	9	16	114.0	13
E04040	43	✓11	33	9	144	✓27	1	20	3	11	69.5	3
E04045	32	✓8	33	10	155	✓12	0	14	1	11	77.9	0
E04050	213	✓17	77	29	330	✓24	6	45	6	23	82.8	15
E04055 40MESH	199	✓3	45	5	201	✓16	1	30	3	17	8.4	0
E04060 40MESH	332	✓4	41	7	373	✓21	0	33	3	4	9.1	15
E04065 40MESH	120	✓7	37	12	349	✓6	0	49	3	21	11.9	0
E04070	24	✓4	72	6	384	✓7	0	27	0	4	11.2	0

COMPANY: CUMBERLAND RESOURCES

PROJECT No: SAVANT

ATTENTION: JOHN GREIG

MIN-EN LABS ICP REPORT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

(ACT:6E03A+) PAGE 3 OF 3

FILE No: 3-9515/PIP15

DATE: SEPTEMBER 23, 1983

(REPORT VALUES IN PPM)	BA	SE
E04015 40MESH	99	50
E04020	36	128
E04025	40	169
E04030	69	193
E04035	27	141
E04040	28	26
E04045	18	34
E04050	92	212
E04055 40MESH	47	148
E04060 40MESH	46	78
E04065 40MESH	54	184
E04070	44	42

Cumberland Resources Limited

185 - 10551 Shellbridge Way,
RICHMOND, B.C.
V6X 2W9

February 8, 1984

Min-En Laboratories
705 West 15th Street
North Vancouver, B.C.
V7M 1T2

Attention: John Barakso

Dear John:

Re: 26 Element ICP

As indicated to you by telephone we have serious concerns regarding the accuracy of our ICP results, particularly those for reports dated from September 7 through September 23, 1983. As you know we had a number of samples rerun. Although some of them correspond not too badly with the original values, others are so badly out that we are concerned about our results in general. For comparative purposes I have enclosed copies of the original values and reruns for the samples checked to date.

In scanning the data, there are a number of September reports which will have to be checked and these are particularized below:

File 3-892S/P1 + 2 - September 7

The upper half of the page has high Ag, As and U relative to the lower half. Please check samples X38035 through A37000.

File 3-892S/P3 + 4 - September 8

Please check the interval from B33050 through B34070 and also sample B34095.

File 3-900/P1 + 2 - September 12

Elements Ag, As, U, Sb, Pb, Mo, Se, all oscilate from high to low to high etc. going down the page. Spot check the high values to ensure they are correct particularly intervals 13010N to 13030N and 09035N to 11027N.

File 3-900S/P3 + 4 - September 12

Ag, As and U seem to increase and decrease.
Spot check high values particularly 01010 N to 12022N.

Min-En Laboratories
Page 2

File 3-917S/P1 + 2 - September 12

Spot check the highs particularly 07007S and 07022S.

File 3-819S/P1 + 2 - September 5

There are minor variations in As, Ag, U and Pb please spot check.

File 893/P1 + 2 - September 8

The upper half of the page has high Ag, As, U, Pb and Sb. Previous spot checks we had done show values are in error. Please rerun the interval 00050S to 10025S.

File 3-893S/P3B - September 8

All of these values we believe are wrong. Please rerun interval 30125N to 30175N.

File 3-951S/P1 + 2 - September 23

Please spot check.

File 3-951S/P3 + 4 - September 23

Please spot check including sample B13030.

File 3-951S/P5 + 6 - September 23

Please spot check and include samples B15105 and R23055.

File 3-951S/P7 + 8 - September 23

Please spot check highs including sample Q08090, Q08050 and Q23205.

File 3-951S/P9 + 10 - September 23

Please spot check.

File 3-951S/P11 + 12 - September 23

Please spot check, include sample F97225.

File 3-951S/P13 + 14 - September 23

Please spot check, including sample E02090.

File 3-951S/P15

Please spot check and include sample E04030.

I think I have included all the reports where I suspect that there is a problem. I think the results in the reports dated July and August, 1983 are probably okay at least judging by the appearance on the page and the way they plot on the maps. I hope that with the above reruns we will have

...3/

Min-En Laboratories
Page 3

identified most of the problem areas. I look forward to hearing from you and please contact me regarding the delivery of the pulps.

Yours truly,

CUMBERLAND RESOURCES LTD."

John A. Greig
John A. Greig.

JAG/sah
encs.

COMPANY: CUMBERLAND RESOURCES

PROJECT No: SAVANT

ATTENTION: JOHN BRISB

(REPORT VALUES IN PPM)

MIN-EM LABS ICP REPORT
 705 WEST 156th ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604) 990-5814 OR (604) 998-4524

Re-run
Re-run

(ACT:GEOTB+) PAGE 1 OF 3
 FILE No: 3-9518/911-15
 DATE: MARCH 7, 1984

	AS	AL	AR	E	BI	CA	CO	CU	FE	K	MG
F07020	✓ 0	5610	✓ 41	4	12	228	0	12	64200	157	471
F07025	✓ 1.6	35000	✓ 69	17	10	11300	3.3	41	85000	85	17500
F07030	✓ 0	19200	✓ 59	9	4	459	3.1	20	33300	141	5710
F07035	✓ 1.0	8670	✓ 20	6	0	22100	0	3	7560	111	2450
F00100	✓ 0	2150	✓ 0	0	1	2830	0	1	451	49	248
F00110	✓ 1.0	7210	✓ 4	5	1	9740	1.4	6	8510	114	215
121175	.7	13000	0	6	3	2020	0	8	27000	294	3320
122105	1.1	7490	0	6	1	19600	0	3	3460	84	1700
122175	.2	1700	0	3	0	7060	0	1	1750	19	790
122180	0	8240	0	5	2	2260	0	7	19500	183	2140
122181	.6	10200	0	7	4	1390	0	8	23900	137	3920
122185	.2	4700	0	3	2	546	0	4	16700	183	2010
122195	.3	1430	1	5	0	24200	2.4	1	2250	46	926
D05121	✓ 1.6	6370	✓ 15	10	1	19600	0	5	9010	111	1090
D05131	✓ 1.2	8170	✓ 17	9	3	26100	0	4	12600	126	1450
D05135	✓ 1.6	16400	✓ 19	9	12	3040	0	14	36600	192	7010
D07050	✓ 0	2970	✓ 0	0	0	3160	0	1	4050	159	935
D07075	✓ 0	4750	✓ 0	0	8	647	0	2	11300	45	567
D08000	✓ 1.5	11000	✓ 0	6	0	16700	0	4	11700	142	1210
E01150	✓ 0	26400	✓ 32	11	6	2700	0	20	41400	162	3420
E02180	✓ 1.3	14400	✓ 2	6	9	2760	0	12	39200	172	5040
E02035	✓ 1.3	16400	✓ 21	10	0	4210	0	13	29300	153	3360
E02080	✓ 1.9	7240	✓ 80	17	32	442	0	26	164000	187	445
E01010	✓ 1.7	15200	✓ 0	7	4	2690	0	13	76500	177	4500
E04030	✓ 0	10500	✓ 12	10	0	493	0	7	20200	272	2710
E04151	✓ 1.3	7970	✓ 2	5	1	16700	0	3	4050	105	1060
E01035	✓ 1.6	5450	✓ 0	3	0	13300	0	3	5810	109	871

COMPANY: CUMBERLAND RESOURCES

MIN-EN LABS ICP REPORT

(ACT)GEOSPAR PAGE 2 OF 3

PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

Re-run

FILE No: T-9515/411-15

ATTENTION: JOHN BREID

(604)990-5914 OR (604)999-4524

DATE: MARCH 7, 1994

REPORT NUMBER IN FORM	MM	MS	NA	NI	P	PS	SS	SR	TH	U	V	ZN
F87000	12	✓15	11	4	179	✓11	24	190	32	0	44.8	29
F87005	989	✓21	65	62	963	✓26	0	335	66	0	176.0	64
F88160	70	✓20	29	90	225	✓25	11	119	32	3	35.8	60
F88145	1140	✓2	71	25	703	✓10	0	202	18	14	9.8	18
F00100	39	✓8	63	0	306	✓4	2	29	3	2	2.0	9
F00110	916	✓10	61	8	639	✓11	2	64	12	4	9.3	31
101175	128	9	155	12	336	2	0	55	14	0	35.1	19✓
102105	89	7	76	27	517	16	0	50	15	10	23.8	14✓
103075	25	11	76	10	478	7	2	15	6	7	5.2	10✓
103100	99	0	115	15	119	7	0	50	9	0	27.3	27✓
104040	104	7	90	19	199	1	0	58	11	0	50.6	27✓
104060	46	4	42	11	159	4	0	34	6	0	19.2	23✓
105015	78	5	129	9	523	0	0	22	17	8	16.1	41
105100	281	✓3	94	14	909	✓16	2	112	14	18	11.1	11
105175	510	✓11	76	7	552	✓3	0	121	21	19	15.2	17
105185	155	✓0	69	47	250	✓11	0	133	23	2	58.5	21
106050	21	✓0	95	0	261	✓3	0	54	5	0	4.3	18
107075	21	✓1	40	0	13	✓7	0	36	4	3	17.0	3
108010	61	✓9	90	7	558	✓1	0	69	17	17	21.8	14
109100	102	✓13	102	32	115	✓4	0	115	21	0	41.4	18
109200	126	✓1	72	20	180	✓1	0	152	20	0	57.2	25
109285	154	✓17	60	17	440	✓25	0	117	23	5	42.3	27
109370	0	✓26	1	5	445	✓26	56	436	77	7	71.8	72
109400	117	✓8	69	36	488	✓19	0	115	21	3	49.7	25
109475	66	✓10	54	13	346	✓14	2	82	21	0	45.1	21
109500	259	✓8	73	2	463	✓16	3	54	17	5	2.4	7
109550	566	✓6	90	17	1140	✓23	1	69	13	5	11.1	29

COMPANY: CUMBERLAND RESOURCES

MIN-EN LABS ICP REPORT

(ACT:800384) PAGE 3 OF 3

PROJECT No: SAWANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: J-9519/911-15

ATTENTION: JOHN BREIG

(604)990-8914 OR (604)988-4524

Re-run

DATE: MARCH 7, 1984

REPORT VALUES IN PPM	SE	SE
F97220	51	4
F97225	436	4
F98160	70	5
F99145	189	4
F00100	47	0
F00110	43	0
I21175	49	0
I22125	114	3
I23075	23	0
I23100	44	0
I24040	33	4
I04150	40	0
I05015	80	5
005120	224	3
005125	224	3
006155	54	2
107050	56	5
107075	21	0
108010	139	5
001120	156	2
002050	17	0
002055	94	2
003090	136	17
004010	33	1
004020	44	3
004050	116	5
004055	172	5

COMPANY: DUNBARLAND RESOURCES
 PROJECT No: SAVANT
 ATTENTION: JOHN GREIG
 (REPORT VALUES IN PPM)

MIN-EN LABS ICP REPORT
 705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604) 990-5814 OR (604) 995-4524

Re-run
Re-run

(ACT:SECT:*) PAGE 1 OF 3
 FILE No: D-9518/P4-10
 DATE: MARCH 7, 1994

	AS	AL	AS	B	BI	CA	CO	CU	FE	K	NI
R13035	0	1230	0	0	0	2370	0	1	4	907	113
R21055	4.9	2870	89	15	0	13600	1.2	25	8	147000	110
R22050	1.1	1970	0	10	0	18500	0	5	5	21300	210
R23000	0	22400	125	23	16	1550	3.2	40	46	72400	128
R29025	0	11200	29	9	12	944	0	9	10	27600	175
R31050	1.0	5190	0	8	0	30700	0	2	16	9770	176
R33015	3.8	19100	0	21	0	11100	0	63	18	102000	285
R03025	7.8	1490	44	12	0	14000	1.5	7	5	21500	134
R03050	11.8	3280	0	16	0	27000	1.4	13	6	63200	152
R08160	.1	5520	0	16	0	24.00	0	30	7	74700	79
R08190	2.7	2420	0	15	0	22900	5.6	16	9	56700	254
R17145	1.1	16900	16	14	0	16300	0	14	52	57500	244
R17185	1.4	3920	0	9	11	16700	0	9	7	26400	115
R27000	1.1	1920	16	10	0	17400	.7	4	7	5750	120
R27005	2.7	2310	112	16	0	16600	0	14	7	23600	162
R28010	1.0	3060	0	10	5	22100	0	6	9	10300	175
R11180	1.0	4560	30	12	3	34400	.6	8	14	6320	121
R12105	0.1	3970	20	13	1	29500	0	7	13	4500	245
R07100	0	7800	0	5	22	1160	0	6	5	10300	179
R13020	.9	12800	64	9	0	1780	0	10	13	23000	169
R13060	3.2	5720	33	10	0	21500	0	10	11	17200	200
R16055	1.8	2460	8	15	2	21200	.7	6	5	3750	486
R03055	.9	5710	40	12	9	17200	.9	5	14	4600	152
R07020	1.6	19100	80	22	2	9810	.4	14	25	28700	805
R08050	0	4940	41	8	22	931	0	6	5	12600	139
R08080	1.7	23100	92	18	10	6950	0	18	21	33900	732
R08105	.1	28200	86	16	8	1230	0	14	12	35600	211
R08120	✓1.9	12100	✓13	16	9	28000	0	8	40	16100	227
R08015	✓1.7	54400	✓126	34	0	11800	.1	29	153	51100	418
R08020	✓1.0	14800	✓31	8	9	1070	3.6	15	26	29200	354

PROJECT No: DAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

Resum

FILE No: 3-951374-10

ATTENTION: JOHN GREGG

(604) 990-5314 OR (604) 990-4524

DATE: MARCH 7, 1994

REPORT DESIGNATION (PMT)	W	P	N	K1	P	PE	EP	SP	TH	U	V	TN
800000	57	11	182	0	402	11	0	0	0	0	1.0	9
800005	7541	22	62	26	794	26	52	271	53	11	29.5	51
800006	1490	17	101	7	887	13	3	44	15	0	7.5	11
800007	280	17	59	31	264	5	5	177	39	0	174.0	75
800008	55	6	85	11	242	6	0	56	9	0	56.5	24
800009	425	8	114	6	755	19	0	24	12	13	10.5	12
800010	7100	18	121	43	1000	10	21	220	37	3	55.5	45
800015	10000	14	108	25	792	10	1	51	24	6	10.5	62
800020	16670	25	114	72	1170	11	20	131	30	2	18.5	52
800025	697	2	182	0	1110	16	22	144	22	1	21.5	23
800030	48200	31	164	303	786	32	28	117	24	42	12.5	102
800035	1030	9	176	18	910	0	10	148	31	13	34.0	33
800040	1180	12	97	0	937	11	7	79	15	1	16.0	22
800045	471	7	169	27	1100	40	0	42	11	7	7.5	13
800050	2150	2	417	20	794	20	8	67	18	7	12.0	21
800055	690	11	194	4	1100	11	5	52	14	3	8.0	18
800060	670	8	227	20	752	5	0	55	17	13	21.5	25
800065	1580	12	177	16	716	11	0	37	15	10	17.0	35
800070	38	1	103	15	204	8	3	41	8	0	20.5	6
800075	91	5	149	11	260	18	0	64	10	4	25.5	10
800080	2870	19	140	8	1090	25	5	50	19	2	15.5	23
800085	1760	20	247	7	1150	55	3	39	15	5	9.0	40
800090	108	2	220	10	549	20	2	24	12	4	12.5	24
800095	200	7	343	22	666	14	0	91	25	9	47.0	34
800100	37	15	108	0	51	0	0	34	6	0	31.5	2
800105	551	8	259	29	342	3	5	101	24	14	58.0	21
800110	107	4	123	26	666	2	0	94	19	0	45.5	15
800115	285	✓10	139	12	547	✓28	0	121	21	21	24.1	17
800120	307	✓25	142	45	894	✓22	4	246	30	39	54.5	25
800125	183	✓24	93	27	210	✓17	0	71	17	0	47.5	15

COMPANY: CUMBERLAND RESOURCES

MIN-EN LABS ICP REPORT

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PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

Re run

FILE No: 3-9518/P6-10

ATTENTION: JOHN GREIG

(604)980-5514 OR (604)989-4524

DATE: MARCH 7, 1984

REPORT VALUES IN PPM	SA	SE
R19025	52	3
R23055	215	8
R23060	71	5
R28000	55	0
R28025	31	2
R28050	95	5
R03015	241	5
R03025	500	4
R03050	558	7
R05050	184	6
R05090	1900	6
R13045	200	5
R23105	104	5
R23200	38	4
R23025	97	4
R23210	88	5
N16180	121	5
N16155	55	5
N16100	31	3
N16020	40	2
N16040	151	7
N16055	52	5
N23055	55	4
N23120	129	3
N26000	25	2
N26000	129	2
N26025	51	3
F26120	106	5
F26045	266	6
F26070	57	3

COMPANY: CUMBERLAND RESOURCES

MIN-EN LABS ICP REPORT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604) 990-5814 OR (604) 998-4524

Re-run
Re Run

(ACT:SE03P) PAGE 1 OF 3

FILE No: 3-951911-5

DATE: MARCH 7, 1994

ATTENTION: JOHN GREIG

(REPORT VALUES IN PPM)	AG	AL	AS	P	BT	CA	CO	CR	CU	FE	V	MS
M21155	0	2150	0	3	13	13500	0	2	7	3450	74	1380
M21170	0	16900	0	6	10	1040	0	12	16	21300	203	2770
M27060	.1	15900	0	10	0	20200	2.5	7	31	14100	351	2340
M27105	0	1840	0	7	0	15000	0	1	4	2300	122	2170
M29045	0	17200	35	21	11	1400	1.9	9	19	13400	217	2120
M29065	1.4	2740	0	8	0	14200	0	12	9	10300	152	1240
M29070	0	13800	2	6	14	1220	0	8	15	17200	195	1980
M29072	0	1500	0	0	4	4080	4.6	1	8	1150	157	550
M19040	✓.4	17700	✓145	9	3	1010	3.2	22	8	31000	361	13300
M19070	✓.0	19200	✓.0	9	0	1010	0	7	8	21800	377	2360
M19095	✓.3	6450	✓.0	3	19	701	0	7	5	21800	125	1200
M19120	✓.5	20900	✓91	12	1	1940	2.5	16	17	35600	429	4810
M21150	✓1.3	26700	✓32	16	5	15100	5.1	22	44	39100	740	10300
M21155	.8	2610	0	13	7	23300	.8	2	8	5170	169	2790
M31185	.3	16000	25	4	0	1130	0	12	7	21300	204	1490
M32135	0	1740	0	5	1	11800	0	2	4	2970	97	980
M13120	✓1.1	9570	✓13	6	0	14400	.1	4	30	9770	234	1100
M13145	✓.0	6670	✓.0	0	0	1720	0	8	5	11500	275	2030
M14105	✓.0	2690	✓.0	0	15	6370	0	0	11	2300	175	480
M15065	✓.1	12500	✓25	3	21	2420	0	14	18	37300	301	4210
M15090	✓.3	10300	✓29	6	13	562	0	13	12	30500	149	2360
M15095	✓2.7	8780	✓26	9	10	20200	0	24	25	12600	330	1930
M13005	✓.1	6190	✓.0	0	0	1440	0	7	5	10700	109	1380
M13030	✓.4	15700	✓109	16	23	2950	0	26	41	128000	1250	6200
M13155	✓.2	19900	✓15	10	13	1320	0	16	21	32200	546	4210
M15105	✓1.5	4790	✓21	10	4	14600	.4	4	26	7470	109	1390
M15110	✓1.2	8980	✓.0	10	2	17800	0	6	23	10300	122	1790
M15120	✓.6	10500	✓.0	5	2	3010	2.4	10	29	15500	227	2750
M15125	✓.6	14800	✓12	10	6	14200	0	13	55	27600	551	4740
M15130	.3	14100	21	5	11	712	0	12	9	24700	162	1710

COMPANY: CUMBERLAND RESOURCES

MIN-EN LABS ICP REPORT

(POT192008-4) PAGE 2 OF 3

PROJECT No: SAVANT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

Re-run

FILE No: D-951814-5

ATTENTION: JOHN GREGG

16041990-5814 OR 16041992-4524

DATE: MARCH 7, 1992

(REPORT VALUES IN PPM)	SV	MC	NA	NI	P	PA	SB	SE	TH	U	V	ZN
M25105	128	9	91	3	456	12	0	26	7	0	5.5	18
M25130	77	7	115	23	279	11	0	51	9	0	35.0	19
M27090	89	4	169	14	977	19	0	59	16	6	19.0	19
M27105	25	7	240	4	457	16	0	12	12	0	7.0	19
M28045	78	4	182	24	204	0	0	52	9	0	32.0	19
M29005	2126	2	231	0	803	10	2	37	12	0	15.0	20
M29030	64	6	156	7	367	0	0	52	9	0	29.5	19
M29020	42	0	101	6	453	24	0	26	2	0	3.0	44
A17040	140	✓25	63	83	411	✓42	1	97	28	0	72.5	33
A18070	60	✓9	94	0	123	✓4	0	59	8	0	36.0	14
A18085	32	✓7	73	9	97	✓8	4	45	4	0	29.5	9
A18120	127	✓26	117	25	345	✓6	0	117	19	0	57.5	30
A20150	467	✓28	168	57	669	✓32	0	206	35	11	64.0	65
X31155	614	9	140	7	714	3	4	55	15	4	11.5	27
M31195	58	0	118	0	243	9	0	73	8	6	34.5	6
X32105	23	0	87	5	595	4	0	20	5	0	5.0	19
D13120	125	✓8	147	6	728	✓18	0	65	10	6	13.0	22
D13145	78	✓5	86	0	25	✓5	0	48	7	0	23.0	10
D14105	27	✓6	260	5	540	✓5	2	24	6	0	4.5	19
D15045	282	✓13	121	23	394	✓14	0	96	20	0	55.5	43
D16000	34	✓25	58	16	251	✓0	3	56	12	0	75.5	25
D16025	1070	✓13	193	26	627	✓31	0	76	16	15	20.0	30
E12005	47	✓0	193	2	249	✓6	0	33	3	10	20.5	31
E12030	245	✓23	111	33	799	✓41	34	269	46	0	53.0	56
E14055	102	✓19	103	42	209	✓21	0	98	13	7	47.0	21
E15105	432	✓14	121	2	655	✓39	5	74	11	4	11.5	14
E15110	954	✓14	109	6	534	✓14	0	115	14	5	11.5	25
E15120	232	✓19	114	9	368	✓3	0	84	12	0	27.5	27
E15125	261	✓13	102	15	414	✓14	0	126	22	17	25.0	41
E1700	119	4	68	11	580	10	0	63	10	0	38.0	✓44

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COMPANY: CUMBERLAND RESOURCES

MIN-EN LABS ICP REPORT

(ACT:8EDDBA) PAGE 3 OF 3

PROJECT No: GANYT

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

Re-run

FILE No: 3-9513/1-5

ATTENTION: JOHN BREIB

1604 930-5814 OR 1604 539-4524

DATE: MARCH 7, 1984

(REPORT VALUES IN PPM)	84	85
M26165	50	5
M26170	39	3
M27080	175	7
M27103	39	5
M29045	35	3
M29055	67	4
M29080	33	2
M29081	25	0
A17040	61	3
A18070	53	3
A18085	35	3
A18120	94	3
A20150	471	4
K21155	84	5
K21165	35	3
K21175	35	4
C13120	207	4
C13145	42	3
C14103	51	4
C15115	55	3
C15090	42	1
C16025	206	4
B17005	31	3
B17080	171	3
B18055	59	3
B18175	121	5
B18110	161	4
B18120	131	3
B18125	154	5
B1770	31	3

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project Savant Lake Shoehorn Date of report Sept. 8/83.
Property

File No. 3-893 Date samples received Aug. 29/83.

Samples submitted by:

Company: Cumberland Resources

Report on: 71 soils Geochem samples

Assay samples

Copies sent to:

1. Cumberland Resources, Richmond, B.C.
2.
3.

Samples: Sieved to mesh - 80 Ground to mesh

Prepared samples stored discarded

rejects stored discarded

Methods of analysis: 26 ICP Analysis.

Remarks:

SPECIALISTS IN MINERAL ENVIRONMENTS

ID	Code	Value 1	Value 2	Value 3	Value 4	Value 5	Value 6	Value 7	Value 8	Value 9	Value 10	Value 11	Value 12	Value 13	Value 14
10001	✓1	10	10	100	✓1	1	2	0	0	0	0	0	0	0	
10002	✓2	11	11	110	✓2	11	11	0	0	0	0	0	0	0	
10003	✓3	12	12	120	✓3	12	12	0	0	0	0	0	0	0	
10004	✓4	13	13	130	✓4	13	13	0	0	0	0	0	0	0	
10005	✓5	14	14	140	✓5	14	14	0	0	0	0	0	0	0	
10006	✓6	15	15	150	✓6	15	15	0	0	0	0	0	0	0	
10007	✓7	16	16	160	✓7	16	16	0	0	0	0	0	0	0	
10008	✓8	17	17	170	✓8	17	17	0	0	0	0	0	0	0	
10009	✓9	18	18	180	✓9	18	18	0	0	0	0	0	0	0	
10010	✓10	19	19	190	✓10	19	19	0	0	0	0	0	0	0	
10011	✓11	20	20	200	✓11	20	20	0	0	0	0	0	0	0	
10012	✓12	21	21	210	✓12	21	21	0	0	0	0	0	0	0	
10013	✓13	22	22	220	✓13	22	22	0	0	0	0	0	0	0	
10014	✓14	23	23	230	✓14	23	23	0	0	0	0	0	0	0	
10015	✓15	24	24	240	✓15	24	24	0	0	0	0	0	0	0	
10016	✓16	25	25	250	✓16	25	25	0	0	0	0	0	0	0	
10017	✓17	26	26	260	✓17	26	26	0	0	0	0	0	0	0	
10018	✓18	27	27	270	✓18	27	27	0	0	0	0	0	0	0	
10019	✓19	28	28	280	✓19	28	28	0	0	0	0	0	0	0	
10020	✓20	29	29	290	✓20	29	29	0	0	0	0	0	0	0	
10021	✓21	30	30	300	✓21	30	30	0	0	0	0	0	0	0	
10022	✓22	31	31	310	✓22	31	31	0	0	0	0	0	0	0	
10023	✓23	32	32	320	✓23	32	32	0	0	0	0	0	0	0	
10024	✓24	33	33	330	✓24	33	33	0	0	0	0	0	0	0	
10025	✓25	34	34	340	✓25	34	34	0	0	0	0	0	0	0	
10026	✓26	35	35	350	✓26	35	35	0	0	0	0	0	0	0	
10027	✓27	36	36	360	✓27	36	36	0	0	0	0	0	0	0	
10028	✓28	37	37	370	✓28	37	37	0	0	0	0	0	0	0	
10029	✓29	38	38	380	✓29	38	38	0	0	0	0	0	0	0	
10030	✓30	39	39	390	✓30	39	39	0	0	0	0	0	0	0	
10031	✓31	40	40	400	✓31	40	40	0	0	0	0	0	0	0	
10032	✓32	41	41	410	✓32	41	41	0	0	0	0	0	0	0	
10033	✓33	42	42	420	✓33	42	42	0	0	0	0	0	0	0	
10034	✓34	43	43	430	✓34	43	43	0	0	0	0	0	0	0	
10035	✓35	44	44	440	✓35	44	44	0	0	0	0	0	0	0	
10036	✓36	45	45	450	✓36	45	45	0	0	0	0	0	0	0	
10037	✓37	46	46	460	✓37	46	46	0	0	0	0	0	0	0	
10038	✓38	47	47	470	✓38	47	47	0	0	0	0	0	0	0	
10039	✓39	48	48	480	✓39	48	48	0	0	0	0	0	0	0	
10040	✓40	49	49	490	✓40	49	49	0	0	0	0	0	0	0	
10041	✓41	50	50	500	✓41	50	50	0	0	0	0	0	0	0	
10042	✓42	51	51	510	✓42	51	51	0	0	0	0	0	0	0	
10043	✓43	52	52	520	✓43	52	52	0	0	0	0	0	0	0	
10044	✓44	53	53	530	✓44	53	53	0	0	0	0	0	0	0	
10045	✓45	54	54	540	✓45	54	54	0	0	0	0	0	0	0	
10046	✓46	55	55	550	✓46	55	55	0	0	0	0	0	0	0	
10047	✓47	56	56	560	✓47	56	56	0	0	0	0	0	0	0	
10048	✓48	57	57	570	✓48	57	57	0	0	0	0	0	0	0	
10049	✓49	58	58	580	✓49	58	58	0	0	0	0	0	0	0	
10050	✓50	59	59	590	✓50	59	59	0	0	0	0	0	0	0	
10051	✓51	60	60	600	✓51	60	60	0	0	0	0	0	0	0	
10052	✓52	61	61	610	✓52	61	61	0	0	0	0	0	0	0	
10053	✓53	62	62	620	✓53	62	62	0	0	0	0	0	0	0	
10054	✓54	63	63	630	✓54	63	63	0	0	0	0	0	0	0	
10055	✓55	64	64	640	✓55	64	64	0	0	0	0	0	0	0	
10056	✓56	65	65	650	✓56	65	65	0	0	0	0	0	0	0	
10057	✓57	66	66	660	✓57	66	66	0	0	0	0	0	0	0	
10058	✓58	67	67	670	✓58	67	67	0	0	0	0	0	0	0	
10059	✓59	68	68	680	✓59	68	68	0	0	0	0	0	0	0	
10060	✓60	69	69	690	✓60	69	69	0	0	0	0	0	0	0	
10061	✓61	70	70	700	✓61	70	70	0	0	0	0	0	0	0	
10062	✓62	71	71	710	✓62	71	71	0	0	0	0	0	0	0	
10063	✓63	72	72	720	✓63	72	72	0	0	0	0	0	0	0	
10064	✓64	73	73	730	✓64	73	73	0	0	0	0	0	0	0	
10065	✓65	74	74	740	✓65	74	74	0	0	0	0	0	0	0	
10066	✓66	75	75	750	✓66	75	75	0	0	0	0	0	0	0	
10067	✓67	76	76	760	✓67	76	76	0	0	0	0	0	0	0	
10068	✓68	77	77	770	✓68	77	77	0	0	0	0	0	0	0	
10069	✓69	78	78	780	✓69	78	78	0	0	0	0	0	0	0	
10070	✓70	79	79	790	✓70	79	79	0	0	0	0	0	0	0	
10071	✓71	80	80	800	✓71	80	80	0	0	0	0	0	0	0	
10072	✓72	81	81	810	✓72	81	81	0	0	0	0	0	0	0	
10073	✓73	82	82	820	✓73	82	82	0	0	0	0	0	0	0	
10074	✓74	83	83	830	✓74	83	83	0	0	0	0	0	0	0	
10075	✓75	84	84	840	✓75	84	84	0	0	0	0	0	0	0	
10076	✓76	85	85	850	✓76	85	85	0	0	0	0	0	0	0	
10077	✓77	86	86	860	✓77	86	86	0	0	0	0	0	0	0	
10078	✓78	87	87	870	✓78	87	87	0	0	0	0	0	0	0	
10079	✓79	88	88	880	✓79	88	88	0	0	0	0	0	0	0	
10080	✓80	89	89	890	✓80	89	89	0	0	0	0	0	0	0	
10081	✓81	90	90	900	✓81	90	90	0	0	0	0	0	0	0	
10082	✓82	91	91	910	✓82	91	91	0	0	0	0	0	0	0	
10083	✓83	92	92	920	✓83	92	92	0	0	0	0	0	0	0	
10084	✓84	93	93	930	✓84	93	93	0	0	0	0	0	0	0	
10085	✓85	94	94	940	✓85	94	94	0	0	0	0	0	0	0	
10086	✓86	95	95	950	✓86	95	95	0	0	0	0	0	0	0	
10087	✓87	96	96	960	✓87	96	96	0	0	0	0	0	0	0	
10088	✓88	97	97	970	✓88	97	97	0	0	0	0	0	0	0	
10089	✓89	98	98	980	✓89	98	98	0	0	0	0	0	0	0	
10090	✓90	99	99	990	✓90	99	99	0	0	0	0	0	0	0	
10091	✓91	100	100	1000	✓91	100	100	0	0	0	0	0	0	0	

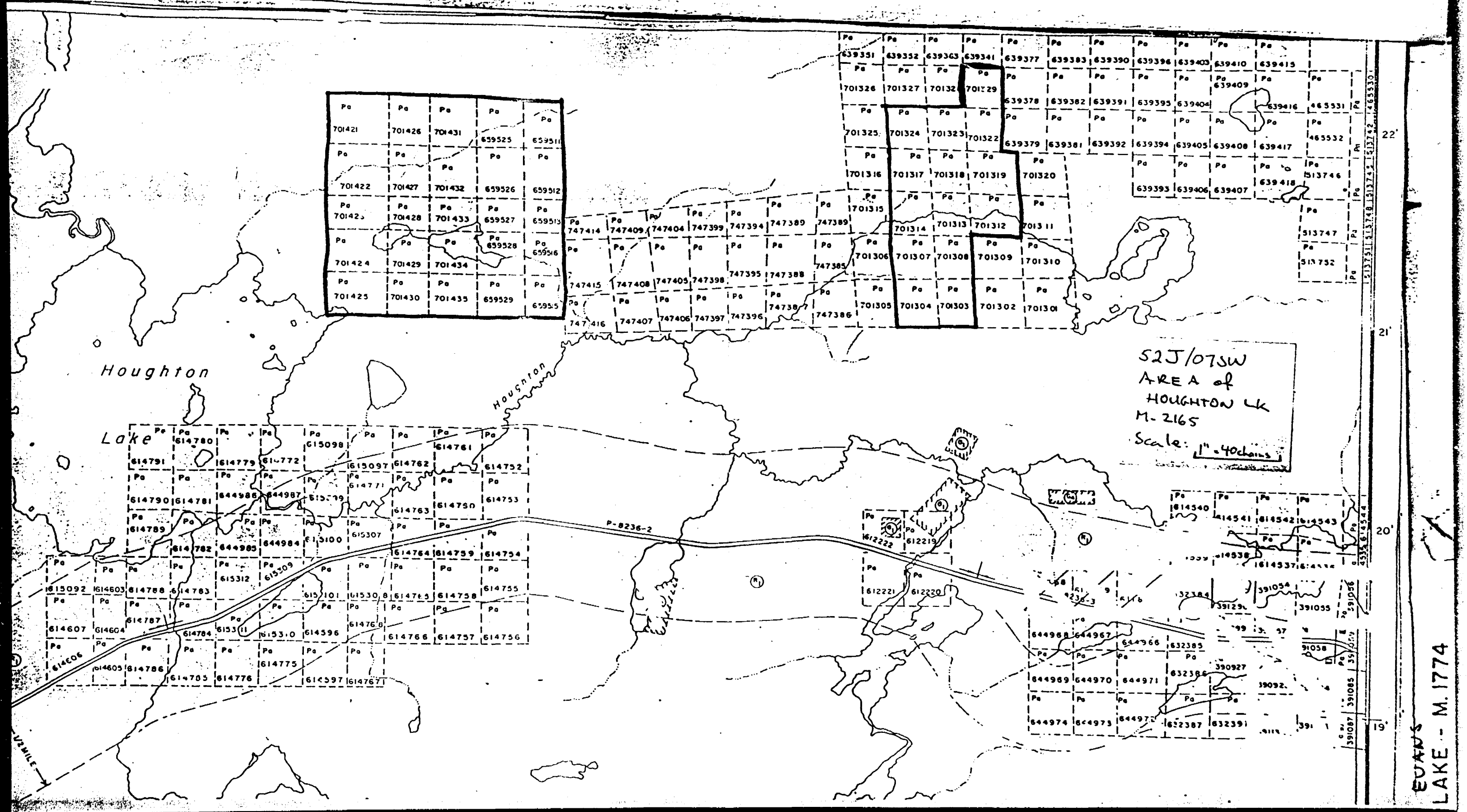
STATE	NO.	DATE	AMOUNT	TOTAL
ALABAMA	40	11	11	11
ALABAMA	41	11	11	22
ALABAMA	42	11	11	33
ALABAMA	43	11	11	44
ALABAMA	44	11	11	55
ALABAMA	45	11	11	66
ALABAMA	46	11	11	77
ALABAMA	47	11	11	88
ALABAMA	48	11	11	99
ALABAMA	49	11	11	110
ALABAMA	50	11	11	121
ALABAMA	51	11	11	132
ALABAMA	52	11	11	143
ALABAMA	53	11	11	154
ALABAMA	54	11	11	165
ALABAMA	55	11	11	176
ALABAMA	56	11	11	187
ALABAMA	57	11	11	198
ALABAMA	58	11	11	209
ALABAMA	59	11	11	220
ALABAMA	60	11	11	231
ALABAMA	61	11	11	242
ALABAMA	62	11	11	253
ALABAMA	63	11	11	264
ALABAMA	64	11	11	275
ALABAMA	65	11	11	286
ALABAMA	66	11	11	297
ALABAMA	67	11	11	308
ALABAMA	68	11	11	319
ALABAMA	69	11	11	330
ALABAMA	70	11	11	341
ALABAMA	71	11	11	352
ALABAMA	72	11	11	363
ALABAMA	73	11	11	374
ALABAMA	74	11	11	385
ALABAMA	75	11	11	396
ALABAMA	76	11	11	407
ALABAMA	77	11	11	418
ALABAMA	78	11	11	429
ALABAMA	79	11	11	440
ALABAMA	80	11	11	451
ALABAMA	81	11	11	462
ALABAMA	82	11	11	473
ALABAMA	83	11	11	484
ALABAMA	84	11	11	495
ALABAMA	85	11	11	506
ALABAMA	86	11	11	517
ALABAMA	87	11	11	528
ALABAMA	88	11	11	539
ALABAMA	89	11	11	550
ALABAMA	90	11	11	561
ALABAMA	91	11	11	572
ALABAMA	92	11	11	583
ALABAMA	93	11	11	594
ALABAMA	94	11	11	605
ALABAMA	95	11	11	616
ALABAMA	96	11	11	627
ALABAMA	97	11	11	638
ALABAMA	98	11	11	649
ALABAMA	99	11	11	660
ALABAMA	100	11	11	671
ALABAMA	101	11	11	682
ALABAMA	102	11	11	693
ALABAMA	103	11	11	704
ALABAMA	104	11	11	715
ALABAMA	105	11	11	726
ALABAMA	106	11	11	737
ALABAMA	107	11	11	748
ALABAMA	108	11	11	759
ALABAMA	109	11	11	770
ALABAMA	110	11	11	781
ALABAMA	111	11	11	792
ALABAMA	112	11	11	803
ALABAMA	113	11	11	814
ALABAMA	114	11	11	825
ALABAMA	115	11	11	836
ALABAMA	116	11	11	847
ALABAMA	117	11	11	858
ALABAMA	118	11	11	869
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ALABAMA	320			



52J07SW9277 52J07SW30 HOUGHTON LAKE

300

ARMIT LK M-2744

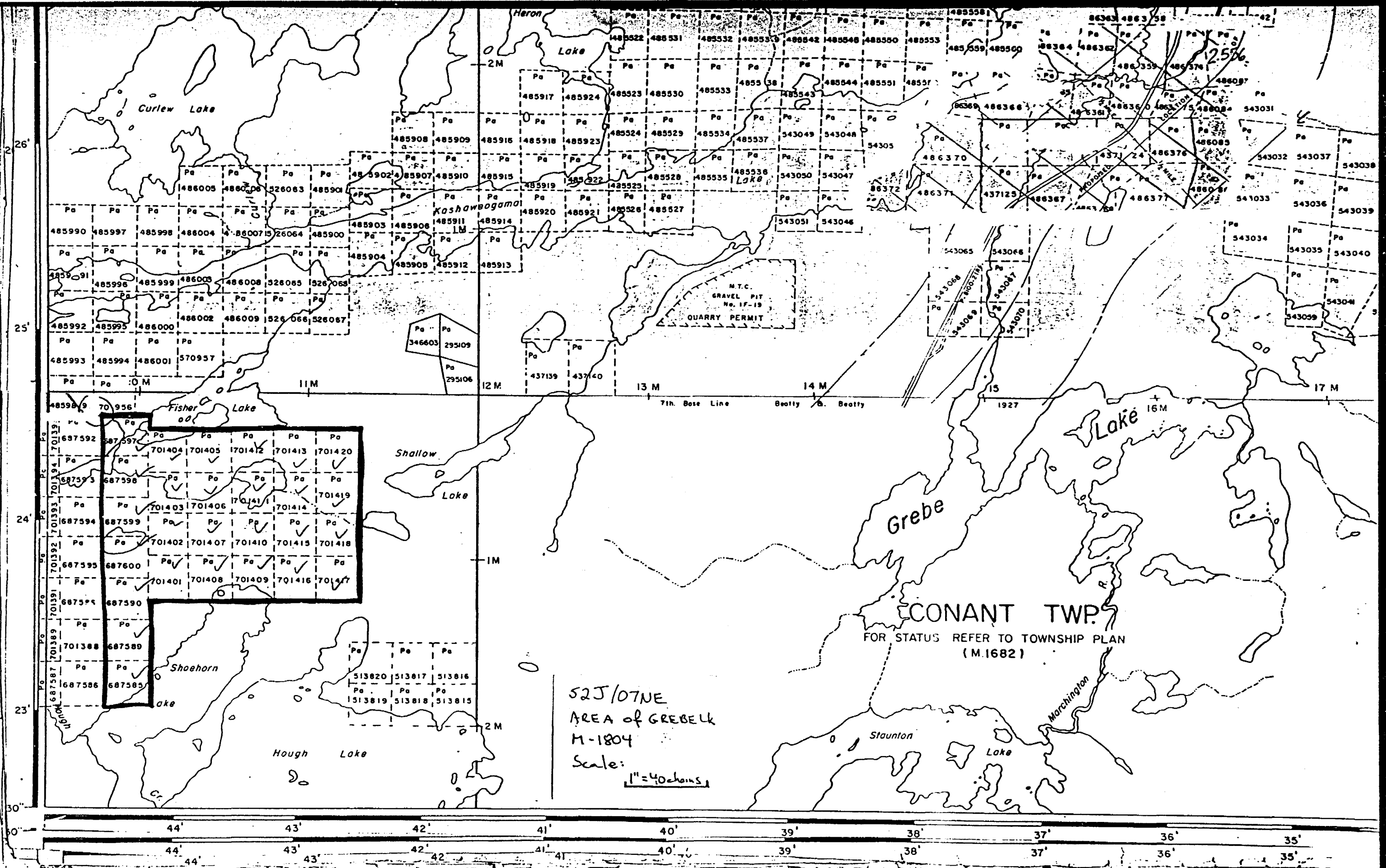


52J/07SW
AREA of
HOUGHTON LK
M-2165
Scale: 1" = 40 chains

EVANS
LAKE - M. 1774

22'
21'
20'
19'

ARMIT LK N-2744



52J/07NE
 AREA of GREBE LK
 M-1804
 Scale:
 1" = 40 chains

CONANT TWP.
 FOR STATUS REFER TO TOWNSHIP PLAN
 (M.1682)

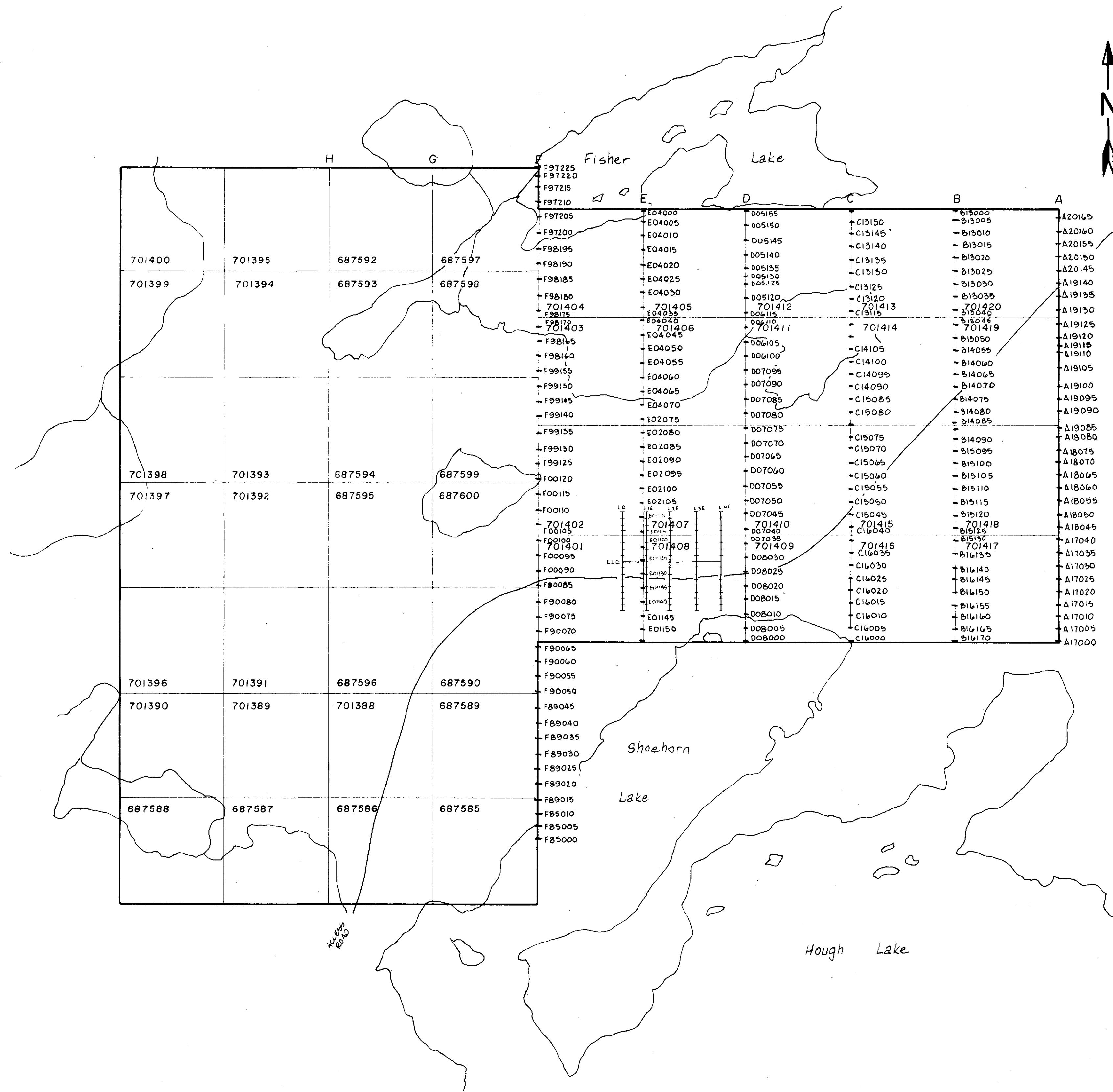
Evans Lake - M-1774

FOR ADDITIONAL


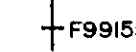
INFORMATION

SEE MAPS:

525/07SW-0030 # 1-10



LEGEND


 claim line/grid line with soil sample location and sample no.

 F99155

NOTES

sample interval -50M (claim lines)
 -25M (detailed grid lines)
 claim lines hip chained and flagged
 grid lines measured and picketed
 'B' horizon -80mesh sample unless noted otherwise
 I.C.P. laboratory analysis
 (Induction Coupled Argon Plasma)

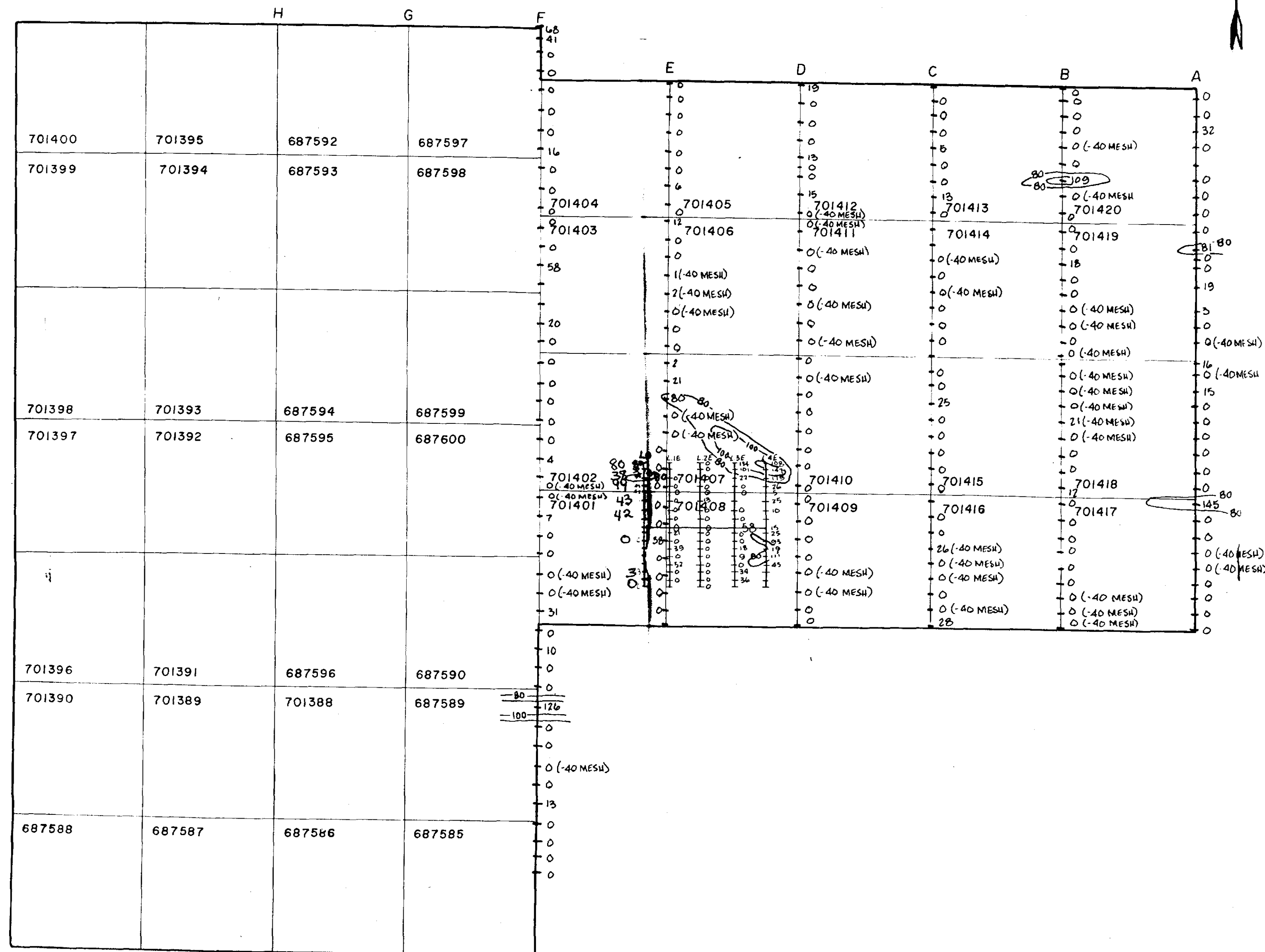
CUMBERLAND RESOURCES LIMITED

SHOEHORN LAKE PROPERTY
SAVANT LAKE AREA

map title	scale
Geochemical map	1:10 000
SOIL SAMPLE	date
LOCATION AND	MAY 1984
SAMPLE NUMBERS	<i>W. M. M. M.</i>
map no.	1

52J/07SW-0030, #1





LEGEND

- +— claim line/grid line with soil sample location
- + F99155
- + 43 Geochemical Assay P.P.M.
- > 80 Anomaly
- 100 P.P.M. Isoline Interval

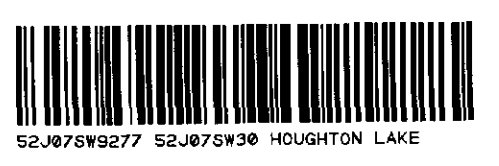
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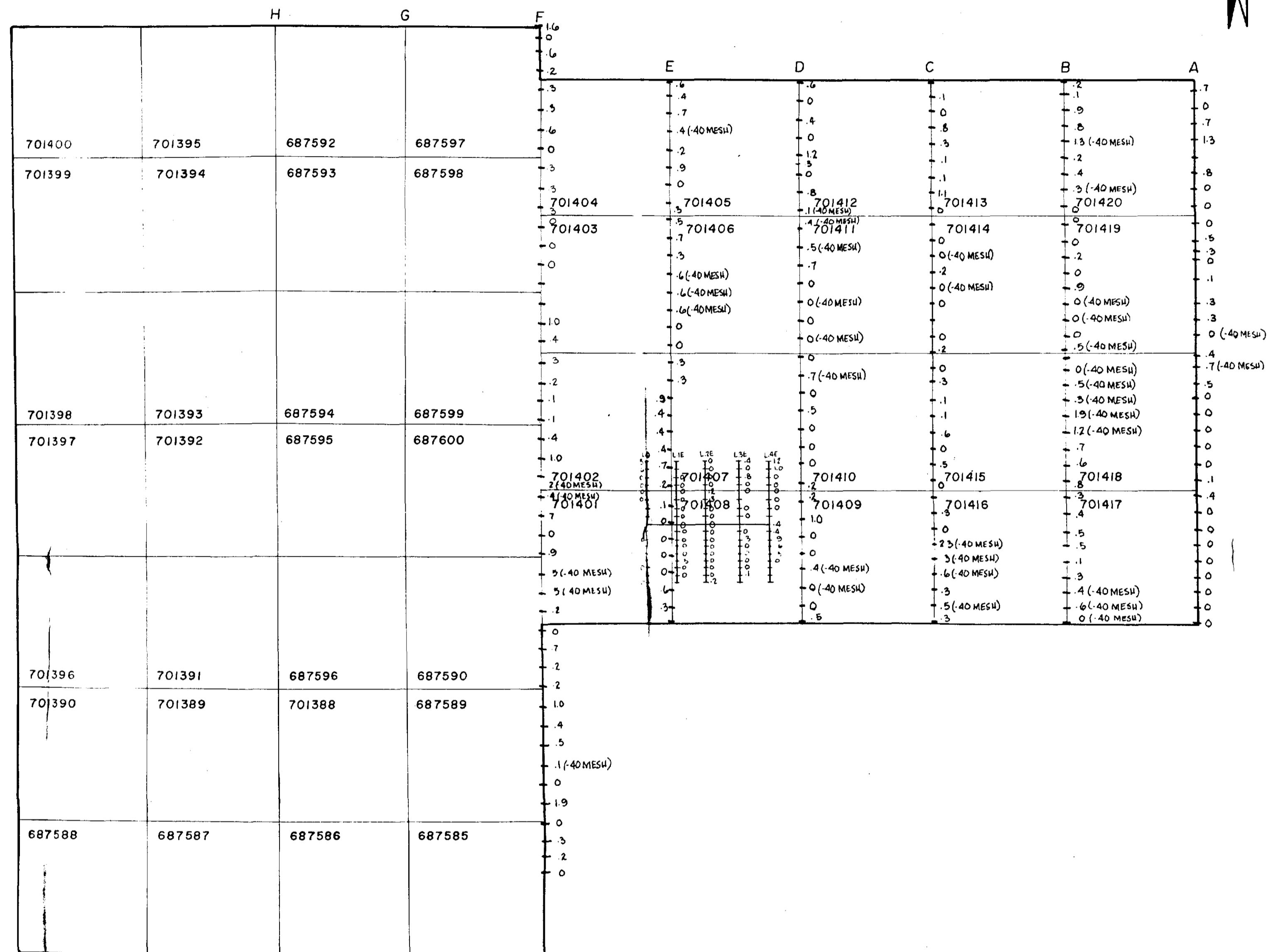
sample interval - 50M (claim lines)
 - 25M (detailed grid lines)
 claim lines hip chained and flagged
 grid lines measured and picketed
 'B' horizon - 80 mesh sample unless noted otherwise
 I.C.P. laboratory analysis
 (Induction Coupled Argon Plasma)

CUMBERLAND RESOURCES LIMITED
SHOEHORN LAKE PROPERTY
SAVANT LAKE AREA

map title	scale
Geochemical map	1: 10 000
Element:	date
ARSENIC	MAY 1984
	Interpretation by
	G. Steiner
	map no.
	3

52J/07SW-0030, #3





LEGEND

- claim line/grid line with soil sample location
- 4.1 Geochemical Assay P.P.M.
- >2.5 Anomaly

NOTES

sample interval 50M(claim lines)
 25M(detailed grid lines)
 claim lines hip chained and flagged
 grid lines measured and picketed
 'B' horizon 80 mesh sample unless
 noted otherwise
 I.C.P. laboratory analysis
 (Induction Coupled Argon Plasma)

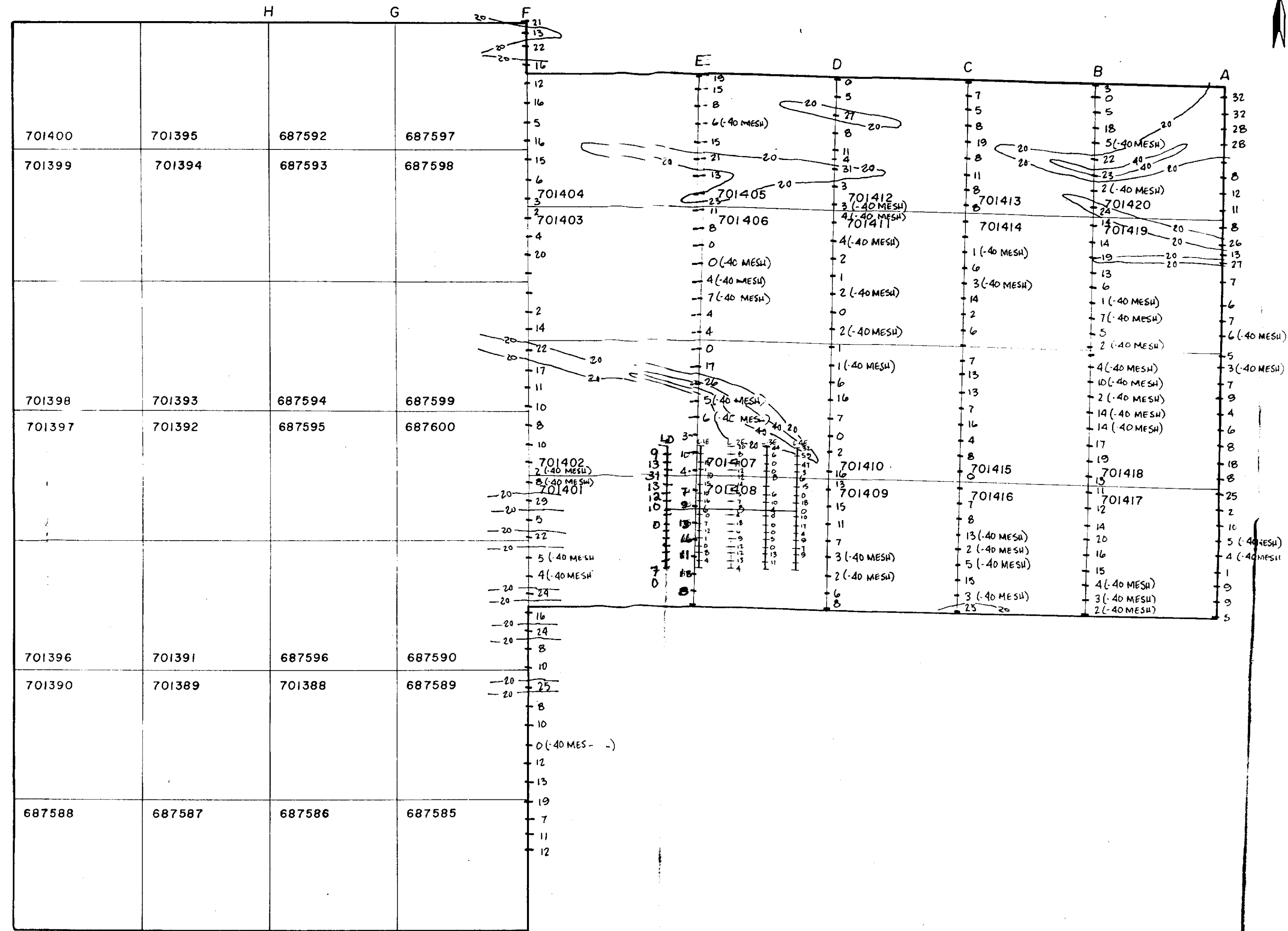
CUMBERLAND RESOURCES LIMITED

SHOEHORN LAKE PROPERTY
 SAVANT LAKE AREA

map title	scale
Geochemical map	1: 10 000
Element:	date
SILVER	MAY 1984
	interpretation by
	G. Steiner1
	map no.
	4

525/07SW-0030, #4





LEGEND

- claim line/grid line with soil sample location
- F99155
- Geochemical Assay P.P.M.
- Anomaly
- Isoline Interval

NOTES

sample interval -50M (claim lines)
 -25M (detailed grid lines)
 claim lines hip chained and flagged
 grid lines measured and picketed
 'B' horizon -80 mesh unless noted otherwise
 I.C.P. laboratory analysis
 (Induction Coupled Argon Plasma)

CUMBERLAND RESOURCES LIMITED

SHOEHORN LAKE PROPERTY
SAVANT LAKE AREA

map title	scale
Geochemical map	1:10 000
Element:	date
MOLYBDENUM	MAY 1984
	interpretation by
	G. Steinhart
	map no.
	5

52J/07SW-0030, #5





I	J	K	L	M	N
I21190					
I21185					
I21180		K31195			
I21175		K31190			N11180
I21170		K31185			N11175
I21165		K31180			N11170
I21160		K31175		M25170	N11165
I21155		K31170		M25165	N11160
I21150	701421	K31165	659525	M25160	N11155
I22145	701422	K31160	659526	M25155	N11150
I22140		K31155		M25150	N11145
I22135		K32150		M25145	N11140
I22130		K32145		M26140	N12135
I22125		K32140		M26135	N12130
I22120		K32135		M26130	N12125
I22115		K32130		M26125	N12120
I22110		K32125		M26120	N12115
I22105		K32120		M26115	N13110
I23100		K33115		M27110	N13105
I23095		K33110		M27105	N13100
I23090		K33105		M27100	N13095
I23085		K33100		M27095	N13090
I23080		K33095		M27090	N13085
I23075		K33090		M27085	N13080
I24060	701424	K33085	659527	M27080	N13075
I24055	701429	K33080	659528	M27075	N13070
I24050		K33075		M27070	N13065
I24045		K34070		M26065	N16060
I24040		K34065		M26060	N16055
I24035		K34060		M28055	N16050
I25025	701425	K34055	659529	M28050	N16045
I25020	701430	K34050		M28045	N16040
I25015		K34045		M28040	N16035
I25010		K34040		M29035	N15030
I25005		K35025		M29030	N15025
I25000		K35020		M29025	N15020
		K35015		M29020	N15015
		K35010		M29015	N15010
		K35005		M29010	N15005
		K35000		M29005	N15000

O	P	Q	R	S	T	U
			701328			
701326	701327		701323	701322		
701325	701324		701324	701325		
			701318	701319	701320	
701316	701317		701313	701312	701311	
701315	701314		701308	701309	701310	
701306	701307		701303	701302	701301	
701305	701304					

LEGEND

+ claim line/soil sample location and sample no.
 + M29000

NOTES

SAMPLE INTERVAL - 50M
 CLAIM LINES FLAGGED AND HIP CHAINED
 'B' HORIZON - 80 MESH SAMPLE
 I.C.P. LABORATORY ANALYSIS (INDUCTION COUPLED ARGON PLASMA)

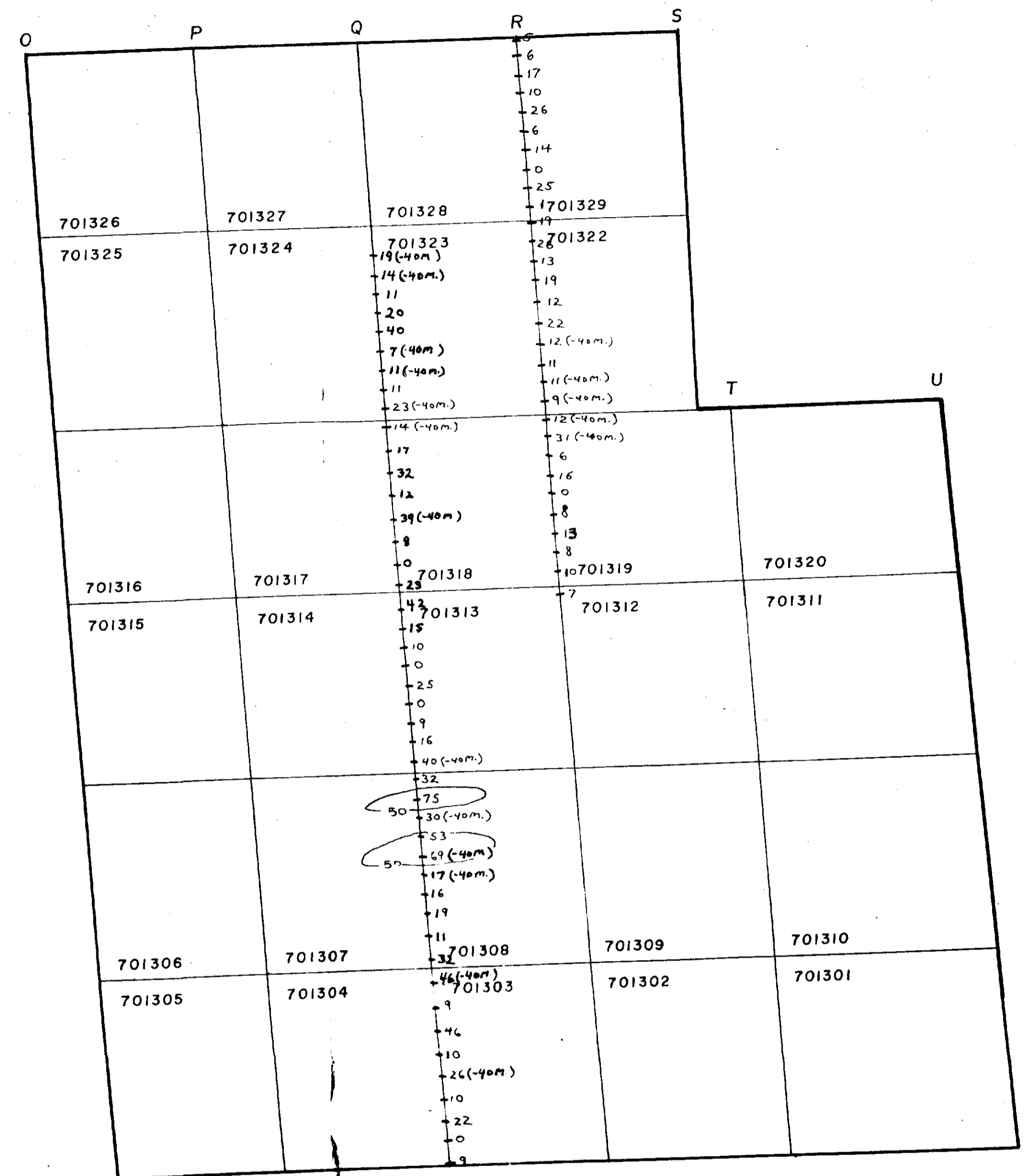
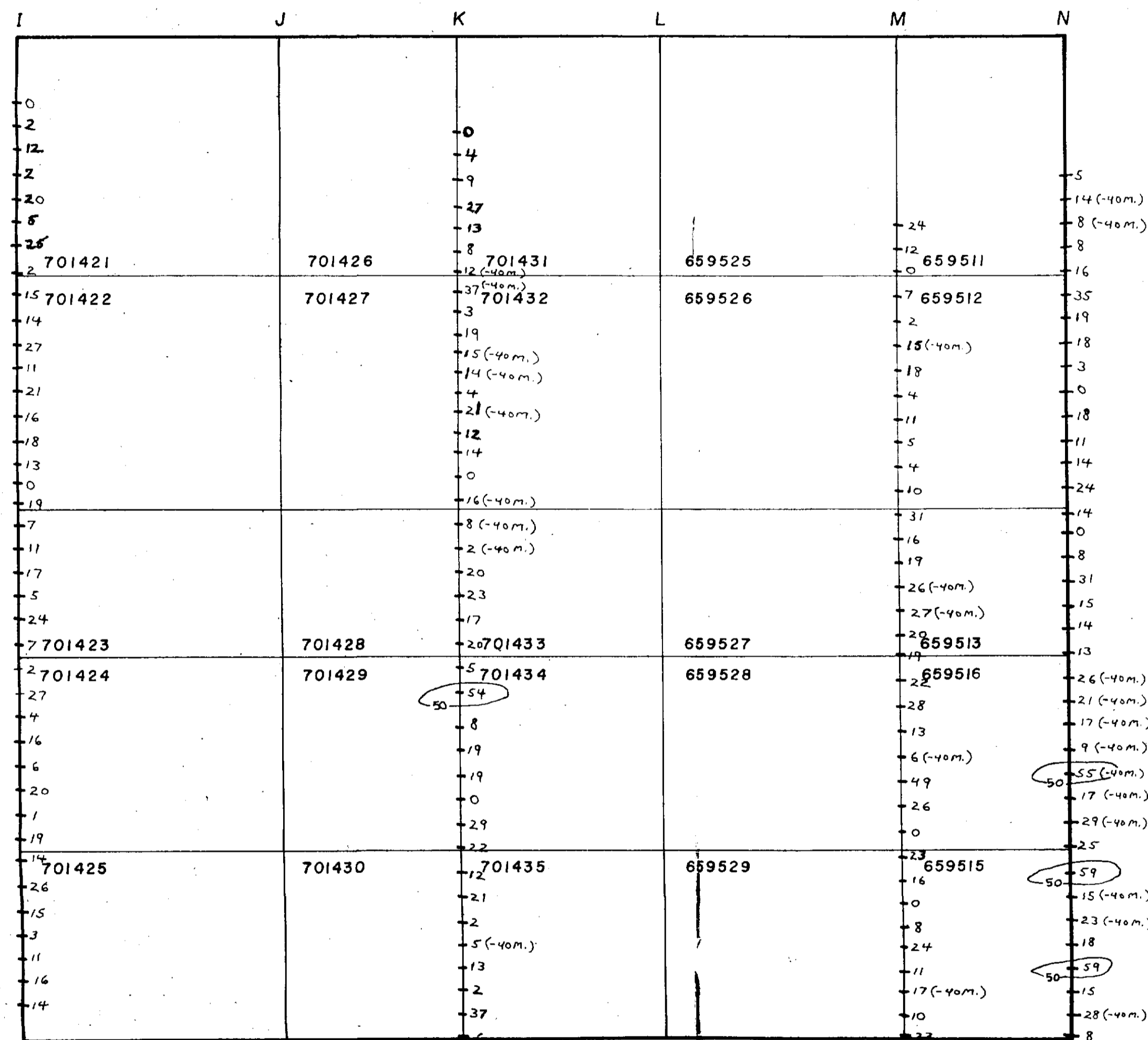
52J/07SW-0030, #6

CUMBERLAND RESOURCES LIMITED

HOUGHTON-ISLAND LAKES PROPERTY
SAVANT LAKE AREA

map title	scale
GEOCHEMICAL MAP	1 : 10,000
SOIL SAMPLE LOCATIONS AND SAMPLE NUMBERS	date
	MAY 1984
	map no.
	6





LEGEND

- +— claim line/soil sample location
- 10 Geochemical Assay P.P.M
- > 50 Anomaly
- PPM. Isoline Interval
- (-40M) -40 mesh soil sample

NOTES

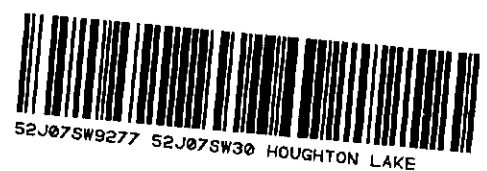
- SAMPLE INTERVAL - 50M
- CLAIM LINES MEASURED AND FLAGGED
- 'B' HORIZON - 80 MESH SAMPLE UNLESS NOTED OTHERWISE
- I.C.P. LABORATORY ANALYSIS (INDUCTION COUPLED ARGON PLASMA

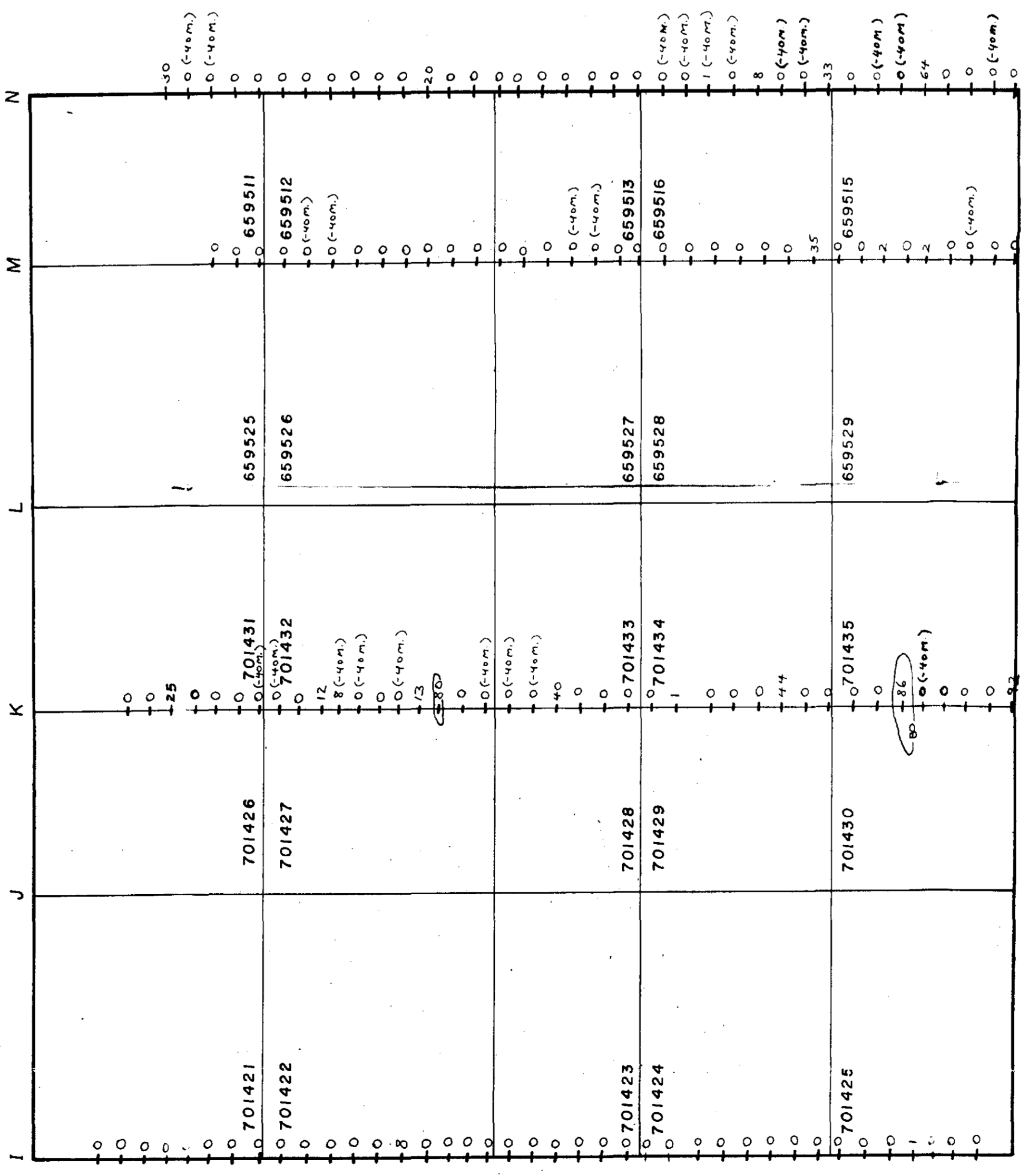
525/07SW-0030, # 7

CUMBERLAND RESOURCES LIMITED

HOUGHTON-ISLAND LAKES PROPERTY
SAVANT LAKE AREA

map title	scale
GEOCHEMICAL MAP	1 : 10,000
ELEMENT	date
LEAD	MAY 1984
	interpretation by
	G. Steinert
	map no.
	7





NOTES

SAMPLE INTERVAL -50M
 CLAIM LINES MEASURED AND FLAGGED
 'B' HORIZON-80 MESH SAMPLE UNLESS NOTED OTHERWISE
 I.C.P. LABORATORY ANALYSIS (INDUCTION COUPLED ARGON PLASMA)

LEGEND

--- claim line/soil sample location
 15 Geochemical Assay P.P.M.
 > 80 Anomaly /C.I. 20 P.P.M.
 --- P.P.M. Isoline Interval
 (-40M) -40 mesh soil sample

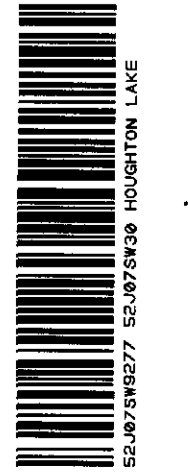
CUMBERLAND RESOURCES LIMITED

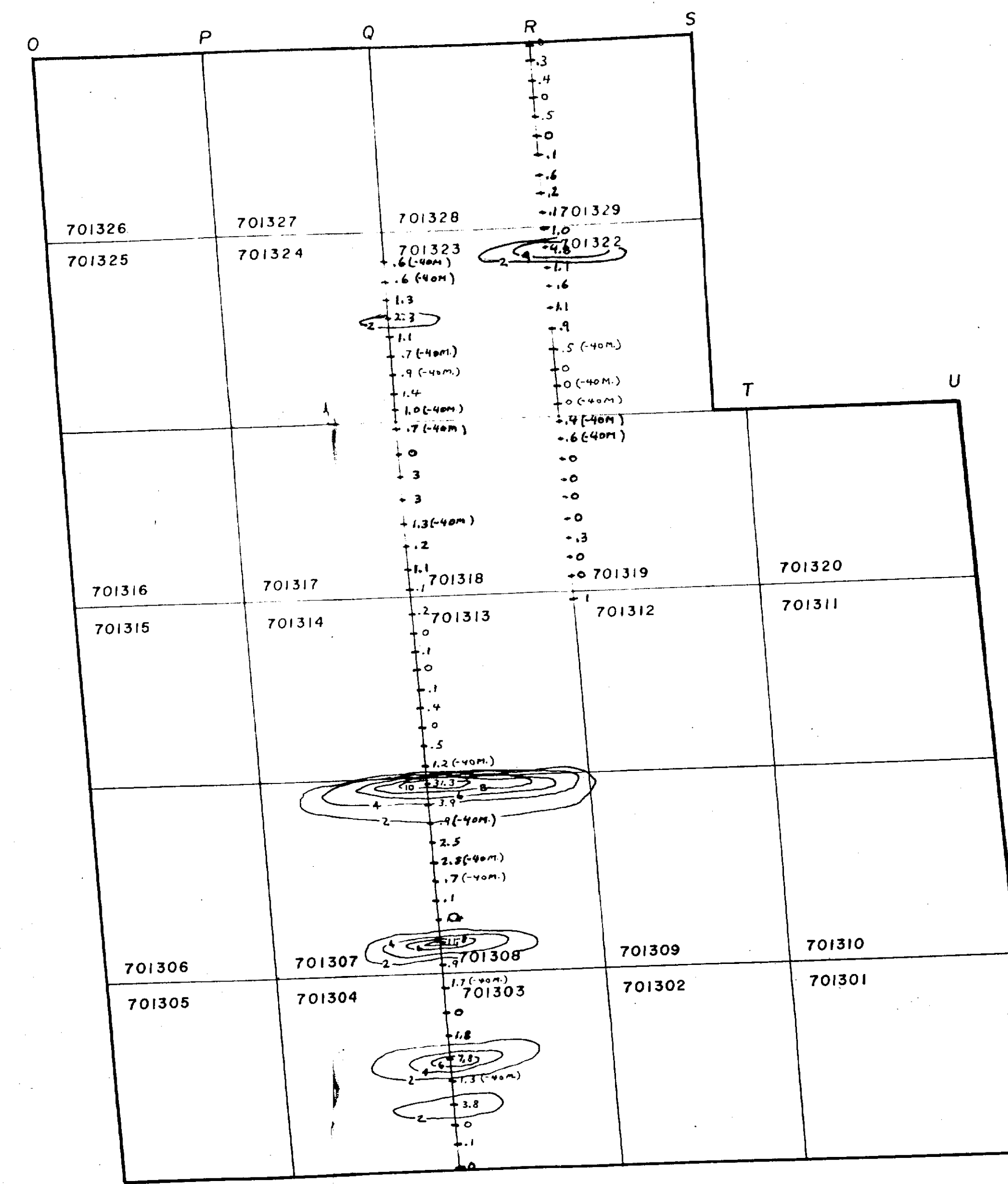
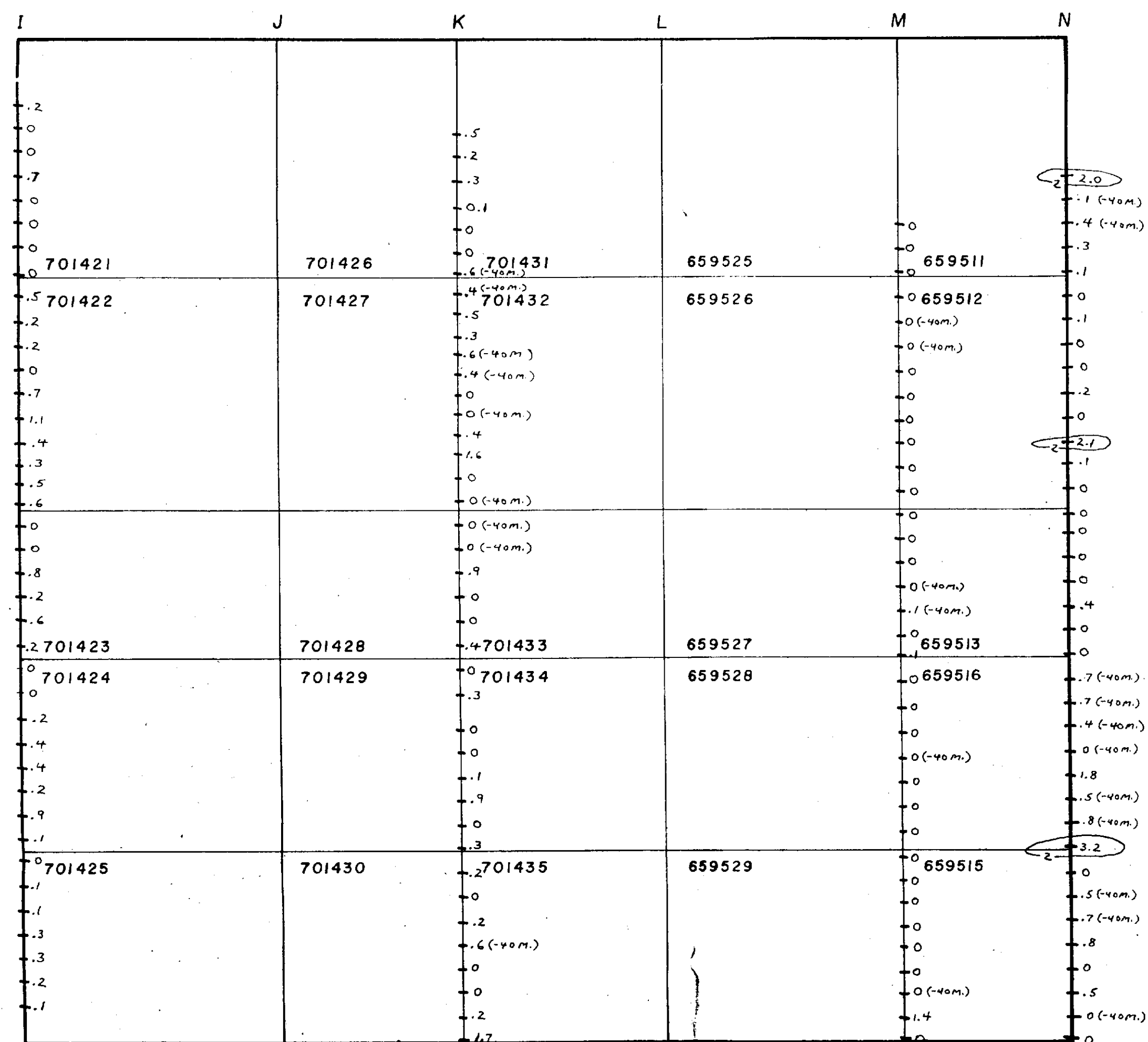
HOUGHTON ISLAND LAKES PROPERTY
 SAVANT LAKE AREA

map title: GEOCHEMICAL MAP
 ELEMENT: ARSENIC

scale: 1:10,000
 date: MAY 1984
 interpretation by: G. Steinhart
 map no.: 8

525/07SW-0030, #8





LEGEND

- claim line/soil sample location
- .7 Geochemical Assay P.P.M.
- > 2.0 Anomaly / C.I. 2 P.P.M.
- P.P.M. Isoline Interval
- (-40M) -40 mesh soil sample.

NOTES

- SAMPLE INTERVAL -50M
- CLAIM LINES MEASURED AND FLAGGED
- 'B' HORIZON -80 MESH SAMPLE UNLESS NOTED OTHERWISE
- I.C.P. LABORATORY ANALYSIS (INDUCTION COUPLED ARGON PLASMA)

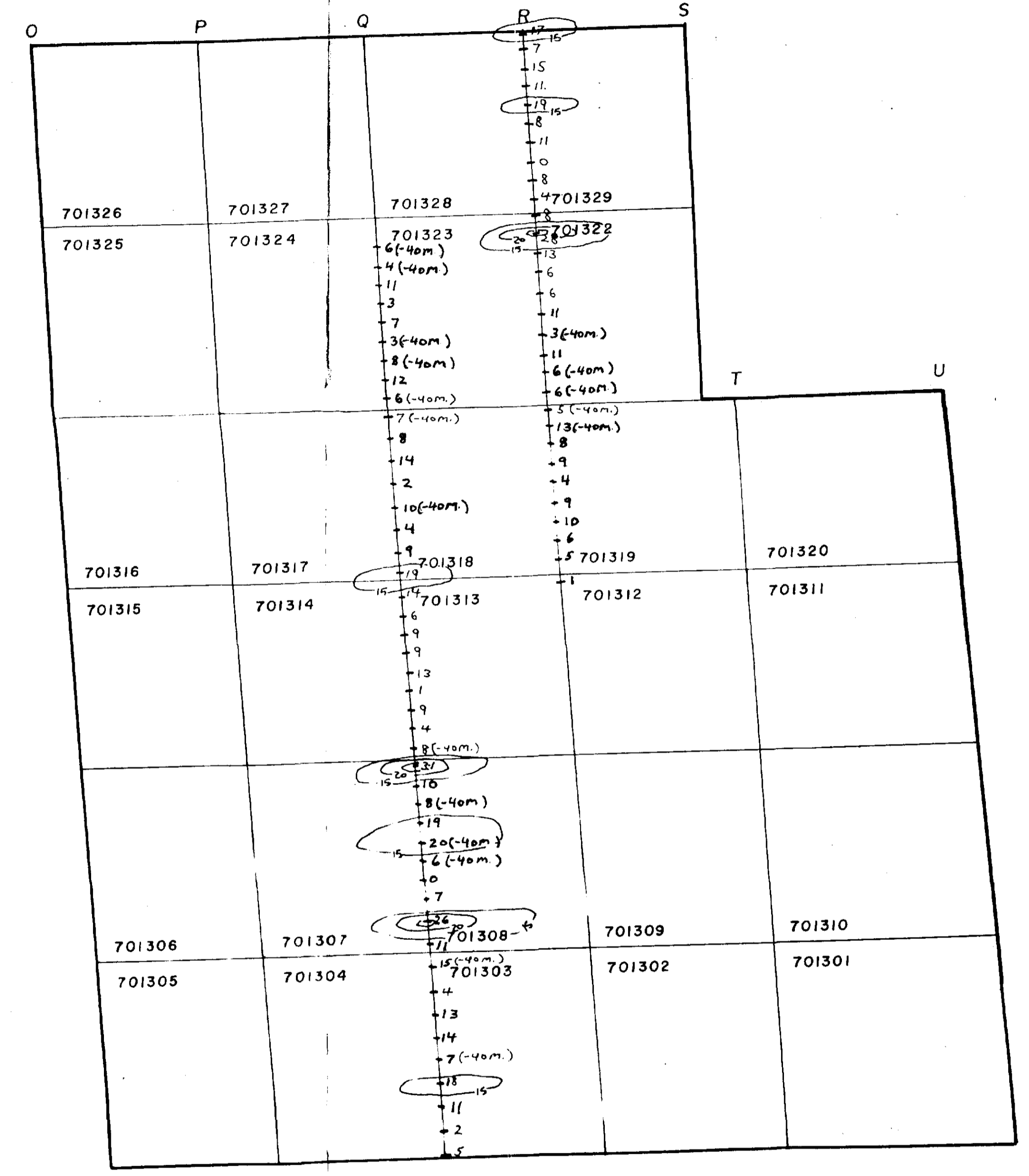
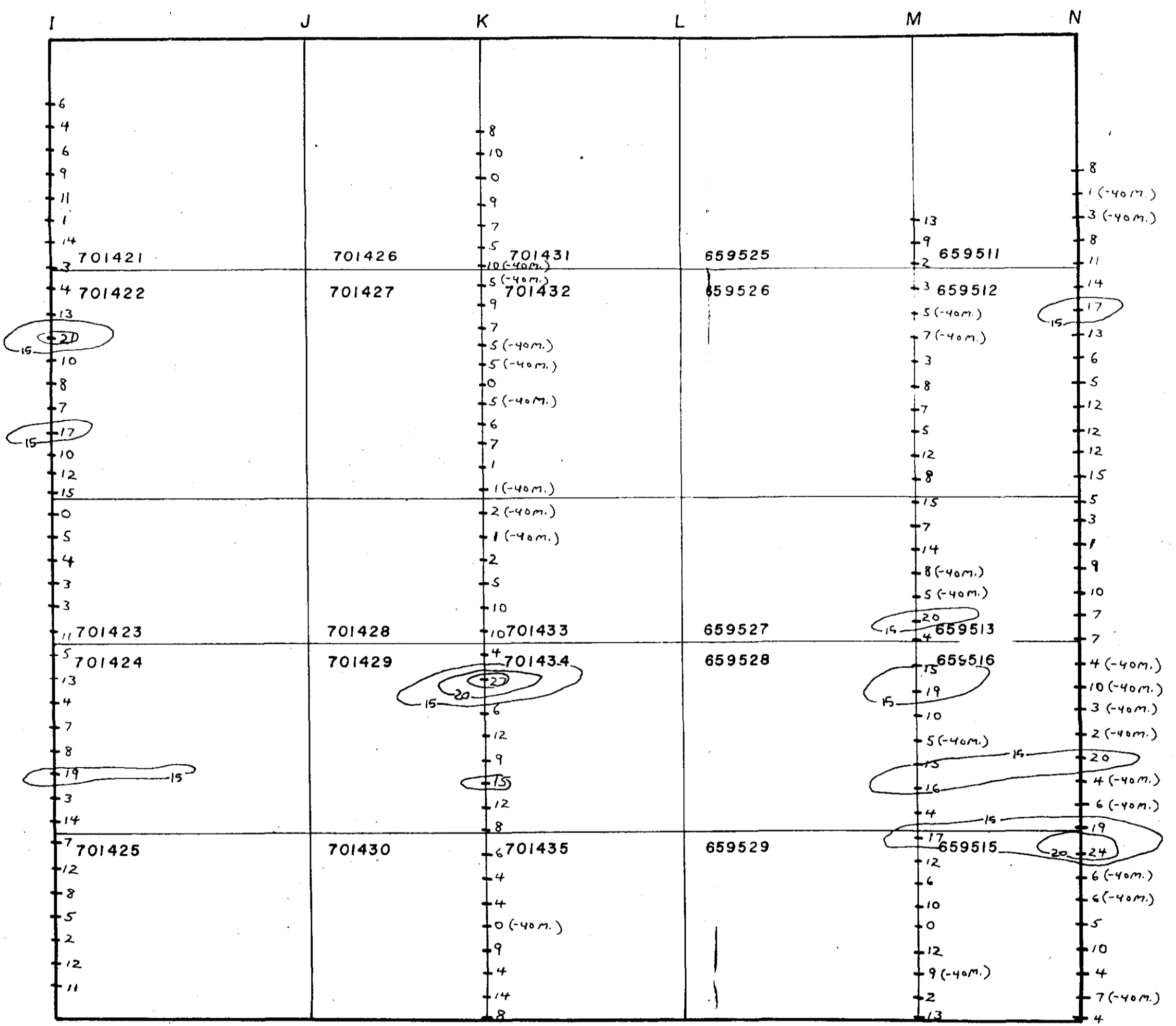
CUMBERLAND RESOURCES LIMITED

HOUGHTON ISLAND LAKES PROPERTY
SAVANT LAKE AREA

map title	scale 1:10,000
GEOCHEMICAL MAP ELEMENT SILVER	date MAY 1984
	interpretation by G. Steiner
	map no. 9

52J/07SW-0030, # 9





LEGEND

- ↔ claim line/soil sample location
- 10 Geochemical Assay P.P.M.
- > 15 Anomaly / C.I. 5 P.P.M.
- P.P.M. Isoline Interval
- (-40M) -40 mesh soil sample

NOTES

- SAMPLE INTERVAL - 50M
- CLAIM LINES MEASURED AND FLAGGED
- B* HORIZON-80 MESH SAMPLE UNLESS NOTED OTHERWISE
- I.C.P. LABORATORY ANALYSIS (INDUCTION COUPLED ARGON PLASMA)

525/07SW-0030, # 10

CUMBERLAND RESOURCES LIMITED	
HOUGHTON ISLAND LAKES PROPERTY SAVANT LAKE AREA	
map title	scale 1:10,000
GEOCHEMICAL MAP ELEMENT:	date MAY 1984
MOLYBDENUM	interpretation by G. Steinert
map no.	10

