

2521

GEOCHEMICAL REPORT

KW CLAIMS GROUP 1 & 2

7 miles southeast of Holberg, B. C.

51° 128° S. E.

NANAIMO MINING DIVISION

by

B. A. NEKRASOV, P. ENG.

Dated August 10, 1970

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 2521 MAP

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ILLUSTRATIONS

Histograms Zn, Cu, Mo	
Example of Soil Sample Data Sheet	
#2 Chain Map, Grouping Plan	in pocket
Geochemistry Soil Survey (Cu ppm) sheet 1 #3	"
" " " (Mo ppm) sheet 1 #4	"
" " " (Zn ppm) sheet 1 #5	"
" " " (Cu ppm) sheet 2 #6	"
" " " (Mo ppm) sheet 2 #7	"
" " " (Zn ppm) sheet 2 #8	"



SCALE: 1 INCH = 30 MILES

INDEX MAP

**KW GROUPS**  
**HOLBERG INLET**  
**VANCOUVER ISLAND, B.C.**



## INTRODUCTION

The KW #1 to 96 claims were staked between June 5 and 22, 1968 by D. K. Bragg, Geological mapping and geochemical soil survey were conducted on a portion of the claim block in July, 1968 and in May and June, 1969.

Notices to group were filed with the Mining Recorder in Vancouver on June 27, 1969. Group 1 consists of 38 claims and includes KW 11 & 12; KW 39 to 44; KW 47 to 52; KW 57 to 62; KW 67 to 70; KW 77 to 84; KW 87 to 90 and KW 95 and 96. Group 2 contains 26 claims and includes KW 13 to 16; KW 45 and 46; KW 53 to 56; KW 63 to 66; KW 71 to 76; KW 85 and 86, and KW 91 to 94.

D. K. Bragg of 3567 West 27th Avenue, Vancouver, B. C. is the owner of the KW claims.

The claims are located on the north shore of Holberg Inlet. The centre of the claim block is about 7 miles east-southeast of Holberg, B. C. Access is by boat from Coal Harbour, B.C. and Holberg, B. C. or by helicopter or float plane from the Port Hardy, B. C. airport.

Elevations on the groups range from sea level to 1,714 feet above sea level near the centre of the group. The streams occupy sharp topographic depressions and the canyons make crossing difficult. Areas of salal bush near the beach make travelling difficult, and deadfall near the upper edges of the old logged area are also difficult to traverse.

From May 20 to June 24, 1970 geochemical soil survey was continued on a portion of that area not covered during the 1969 field season. (Refer to report 1929, M.J. Young, June 27, 1969). During this period work was done on KW 47, 49, 51, 53, 55, 58, 60, 62, 64, 66, 86, 88, 90 and KW 91 to 96 claims.

### FIELD WORK

Field work on the KW claim groups 1 and 2 was done by the following personnel during May and June, 1970:

D. K. Bragg	Field Geologist	May 22 to June 24
V. Bragg	Cook and Field Assistant	May 22 to June 24
D. Kupferschmid	Field Assistant	May 22 to June 24

D. K. Bragg, field geologist, supervised the field assistants and participated in the surveying and soil sampling.

Traverse lines were surveyed with a brunton compass and chain. The lines were run north-south at about 400 foot intervals with stations every 200 feet along the lines. Control lines at 184S, 230S, 231S and 234S are shown on the accompanying Geochem Survey Maps. Sheets 1 were used to tie in the lines. Control lines at 130S and 192S, as shown on the Geochem Maps. Sheets 2 were also used to tie in the north-south lines. The north-south are numbered west to east and the stations from north to south in a continuation of the over all grid system used for the KW claims and the 32 H claims adjoining to the west. The lines were marked with orange and the stations with red plastic flagging in the field.

Soil samples were taken using a 3 foot auger. Wherever possible the reddish brown B horizon underlying the organic layer and leached zone was sampled. Soil sample data sheets were utilized and data on vegetation, soil type, texture, colour, sample depth and slopes were recorded in the field. The soils were collected and placed in 'high wet strength Kraft  $3\frac{1}{2}$  x 6  $\frac{1}{8}$  O.E. waterproof bags' in the field. They were then partially dried in preparation for shipment to the laboratory.

A total of 20.1 miles of traverse line was surveyed on the KW claims, groups 1 and 2 and 526 samples were collected. The samples were analysed for copper, molybdenum and zinc by Chemex Labs Ltd., 212 Brooksbank Ave., North Vancouver, using the atomic absorption method.

## GENERAL GEOLOGY

The Port Hardy area is underlain by Upper Triassic sediments and volcanic rocks intruded by several small stocks of assumed Jurassic age. The Upper Triassic rocks include, from youngest to oldest, Bonanza group, Quatsino formation and Karmutsen group. The Bonanza group consists of sediments and volcanic rocks. The Quatsino is largely represented by limestones, the Karmutsen is dominantly of volcanic origin.

Along the north shore of Holberg Inlet, sedimentary rocks probably Cretaceous in age, locally overlie the Upper Triassic rocks.

## LOCAL GEOLOGY

Geological mapping of the area covered by geochemical survey during May and June, 1970, was not undertaken at this time. The mapping will be completed at a later date.

The Bonanza volcanic rocks are predominant on the claim group. These include andesitic flows, tuffs, agglomerates and lapilli tuffs.

Cretaceous siltstone, greywacke and dirty sandstones occur on KW 53, 55, 64 and 66, and along the west side of Hushamu Creek, KW 86 and 87. These cretaceous rocks also occur along the north shore of Holberg Inlet over 3000 ft. to the east of the mouth of Hushamu Creek.

Pyrite and minor chalcopyrite occur randomly throughout the map area.

GEOCHEMICAL RESULTS

The samples collected were further dried in a thermostatically controlled oven at a temperature not greater than 130°F, at Chemex Labs Ltd. The samples were then screened to -80 mesh under exhausted hoods. The samples were analysed for total copper, total molybdenum and total zinc, using a perchloric acid digestion. The atomic absorption method was employed for analysis. The results are given in parts per million (ppm) and plotted on separate maps included in this report.

Histograms made for copper, zinc, and molybdenum suggest a background of 25 to 35 parts per million (ppm) for copper; 45 to 55 ppm for zinc, and 0 ppm for molybdenum.

CONCLUSION

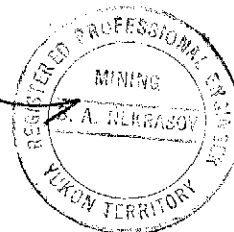
The KW claims have been described before in a geological report by M.J. Young, P. Eng. B.C. (1969).

The hereby presented geochemical report contains only a brief geological note. Geochemical sampling and assaying was carried out and results are shown on attached maps. No anomalous areas of importance can be noticed.

Cursory geological examination on the claims was carried out by the writer. Disseminated pyrite and sporadic tiny crystals of chalcopyrite were observed in some exposures.

There is no evidence of sulphide mineralization of economic value on the claims surveyed.

.....  
B.A. NEKRASOV, P. Eng. (Y.T.)  
B.C. Consulting Geologist



STATEMENT OF QUALIFICATIONS

Don Bragg supervised and participated in the soil sampling and survey control.

His qualifications are as follows:

Graduated Armstrong High School, B. C. in 1951

Attended U. B. C. from 1958 to 1962 in the faculty of Arts and Science, in honors geology

Worked for Kennco Explorations during the summers of 1956, 1957 and 1959 in the Yukon and northern British Columbia as an assistant prospector and geochem sampler under the direction of Dr. R. Campbell and R. Woodcock.

Worked as chief prospector for the Nahanni 60 Syndicate in the Northwest Territories in 1960 under the direction of Doug Wilmont.

Worked as chief prospector in the Yukon for Dualco in 1961 under supervision of E. Wozniak.

Worked as chief prospector for Mining Corp. of Canada in southeast B. C. in 1962 under J. S. Scott and Dr. K. Northcote.

Worked as chief prospector during the summer of 1963, for the Francis River Syndicate, in the Central Yukon, under the direction of Dr. A. Aho.

Worked as a field geologist in the Greenwood area of B. C. for Scurry Rainbow Oil in 1965 under the direction of Bill Quinn

Worked as a field project supervisor for Alrae Explorations Ltd. from September 1965 to April 1, 1967 under the direction of Rae Jury.

Has received B.C. Provincial Grubstakes for the years 1964, 1968, 1969 and 1970.

Has worked in the Port Hardy-Holberg Inlet area for three years.



A P P E N D I X

STATEMENT OF COSTS

(Salaries plus field expenses at \$6.00/day)

D. K. Bragg	28 days @ \$41.00	\$1,148.00
V. Bragg	32 days @ 26.00	832.00
D. Kupferschmid	31 days @ 26.00	806.00
Employees' Benefits, (U.I.C., C.P.P., W.C.B.)		111.86
TOTAL SALARIES plus Field Expenses		<u>\$2,897.86</u>
Cost of Analysis, 525 samples @ \$2.00/sample - Cu, Mo, Zn		1,050.00
Vehicle Rental, 32 days @ 11.00/day		352.00
Boat & Motor rental, 32 days @ \$5.00/day		160.00
Report and Map preparation		400.00
TOTAL		<u>\$4,859.86</u>

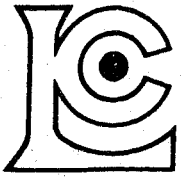
Declared before me at the City  
of Vancouver  
Province of British Columbia, this 19th  
day of August 1970 A.D.

In the presence of

G Phillips

A. C. [unclear] sworn for taking Affidavits within British Columbia or  
A.R.N.T. [unclear] sworn for taking Affidavits within the Province of British Columbia.

Sub-judicial Registrar



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CANADA  
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## CERTIFICATE OF ANALYSIS

TO: Mr. D.K. Bragg,  
3567 West 27th Ave.,  
Vancouver, B.C.

CERTIFICATE NO. 8870

INVOICE NO. 3109

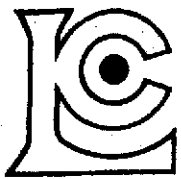
DATE RECEIVED June 29/70

DATE ANALYSED July 2/70

ATTN:

SAMPLE NO.:	PPM Copper	PPM Zinc	PPM Molybdenum
316E 128S	34	41	0
130	24	51	0
132	28	52	0
134	30	31	0
136	30	35	0
138	14	64	0
140	20	41	0
142	19	34	0
144	22	46	0
146	30	28	0
148	26	72	0
150	32	31	1
152	26	55	0
154	24	68	0
156	26	39	0
158	24	54	0
160	26	61	0
162	17	39	0
164	19	61	0
166	34	50	0
170	16	55	0
172	26	70	0
174	32	52	0
176	24	54	0
178	30	72	0
180	33	90	0
182	30	66	0
184	32	74	0
186	50	59	0
188	24	63	0
190	26	64	0
192	25	41	0
194	22	41	0
196	19	52	0
198	26	79	0
200	34	52	0
316E202S	22	59	0
318E130S	62	51	0
132	54	44	0
318E134S	40	29	0
Std. #22	52	72	17

Certified by *Bob Brown*



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TO: Mr. D.K. Bragg,  
3567 West 27th Ave.,  
Vancouver, B.C.

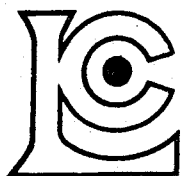
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INVOICE NO. 3109  
DATE RECEIVED June 29/70  
DATE ANALYSED July 2/70

ATTN:

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318E 136S	34	29	0
138	30	44	0
140	32	61	0
142	30	55	0
144	33	59	0
146	26	33	0
148	26	37	0
150	28	43	0
152	26	63	0
154	22	51	0
156	28	79	0
158	20	64	0
160	28	59	0
162	25	36	0
164	58	50	0
166	30	36	0
168	33	55	0
170	38	52	0
172	14	55	0
174	40	79	0
176	17	35	0
178	16	52	0
180	40	50	0
182	20	54	0
184	22	85	0
186	26	66	0
188	36	68	0
190	45	48	0
318E 194S	8	26	0
324E 130S	40	68	0
132	40	52	0
134	42	43	0
136	28	61	0
138	38	44	0
140	17	35	0
142	33	61	0
144	28	52	0
146	22	34	0
148	33	37	0
324E 150S	24	117	0
Std. #22	54	76	17

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*[Signature]*



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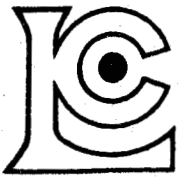
TO: Mr. D.K. Bragg,  
3567 West 27th Ave.,  
Vancouver, B.C.

CERTIFICATE NO. 8872  
INVOICE NO. 3109  
DATE RECEIVED June 29/70  
DATE ANALYSED July 2/70

ATTN:

SAMPLE NO.:	PPM Copper	PPM Zinc	PPM Molybdenum
324E 152S	24	55	0
154	25	54	0
156	40	90	0
158	26	44	0
160	33	57	0
162	26	46	0
164	25	64	0
166	36	55	0
168	17	46	0
170	22	55	0
172	25	50	0
174	20	44	0
176	34	39	0
178	24	48	0
180	26	74	0
182	28	70	0
184	34	85	0
186	32	61	0
188	25	70	0
190	19	55	0
192	17	79	0
324E 194S	33	64	0
326E 128S	24	51	0
130	24	46	0
132	33	70	0
134	49	54	0
136	26	96	15
138	26	39	0
140	22	31	0
142	20	63	0
144	34	47	0
146	47	61	0
148	24	36	0
150	42	33	0
152	20	79	0
154	26	88	0
156	25	63	0
158	16	92	0
160	22	41	0
326E 162S	8	29	0
Std.#22	52	76	17

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TO: Mr. D.K. Bragg,  
3567 West 27th Ave.,  
Vancouver, B.C.

CERTIFICATE NO. 8873  
INVOICE NO. 3109  
DATE RECEIVED June 29/70  
DATE ANALYSED July 2/70

ATTN:

SAMPLE NO.:	PPM Copper	PPM Zinc	PPM Molybdenum
326E 164S	19	68	0
166	20	31	0
168	28	47	0
170	22	39	0
172	24	47	0
174	19	39	0
176	28	43	0
178	32	55	0
180	33	59	0
182	32	66	0
184	20	47	0
186	42	92	0
188	22	51	0
190	40	63	0
326E 192S	38	54	0
332E 130S	43	44	0
132	38	54	0
134	60	52	0
136	34	47	0
138	30	50	0
140	24	36	0
142	22	44	0
144	30	50	0
146	54	85	0
148	30	44	0
150	26	33	0
152	25	35	0
154	34	57	0
156	24	37	0
158	14	26	0
160	20	36	0
162	24	31	0
164	19	50	0
166	17	74	0
168	24	48	0
170	30	27	0
172	30	39	0
174	33	47	0
176	20	57	0
332E 178S	38	63	0
Std.#22	52	74	17

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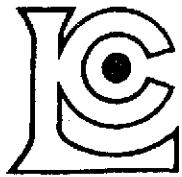
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3567 West 27th Ave.,  
Vancouver, B.C.

CERTIFICATE NO. 8875  
INVOICE NO. 3109  
DATE RECEIVED June 29/70  
DATE ANALYSED July 2/70

ATTN:

SAMPLE NO.:	PPM Copper	PPM Zinc	PPM Molybdenum
424E 186S	24	50	0
188	33	35	0
190	36	74	0
192	40	44	0
194	24	54	0
196	30	31	0
198	67	36	0
200	47	31	0
202	32	39	0
204	40	41	0
206	49	79	0
208	60	50	0
210	69	74	0
424E 212S	45	47	0
428E 198S	36	47	0
200	25	52	0
202	33	33	0
204	52	50	0
206	43	55	0
208	52	37	0
210	45	61	0
212	38	61	0
214	58	63	0
216	83	72	0
218	56	64	0
220	56	39	0
222	76	66	0
224	49	46	0
226	78	54	0
228	43	70	0
230	47	48	0
232	30	59	0
234	30	85	0
428E 236S	30	27	0
432E 182S	17	41	0
184	22	43	0
186	33	41	0
432E 188S	42	64	0
436E 186S	20	44	0
436E 188S	42	54	0
Std.#22	54	76	17

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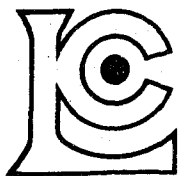
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INVOICE NO. 3109  
DATE RECEIVED June 29/70  
DATE ANALYSED July 2/70

TO: Mr. D.K. Bragg,  
3567 West 27th Ave.,  
Vancouver, B.C.

ATTN:

SAMPLE NO.:	PPM Copper	PPM Zinc	PPM Molybdenum
436E 190S	40	48	0
192	30	44	0
194	34	63	0
196	62	70	0
198	38	46	0
200	42	61	0
202	36	52	0
204	26	43	0
206	32	31	0
208	26	63	0
210	45	55	0
212	54	55	0
214	54	51	0
216	30	44	0
218	42	44	0
220	49	36	0
222	80	79	0
224	33	46	0
226	45	61	0
228	40	48	0
230	52	72	0
436E 232S	43	51	0
440E 184S	22	55	0
186	52	59	0
188	40	74	0
190	49	50	0
192	26	44	0
194	32	63	0
196	30	46	0
198	34	64	0
200	34	41	0
202	22	64	0
204	12	72	0
206	28	37	0
208	42	44	0
210	45	51	0
212	67	74	0
214	43	70	0
216	43	63	0
440E 218S	45	35	0
Std. #22	54	72	17

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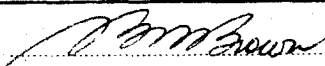
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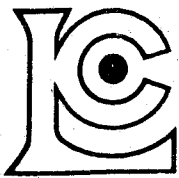
CERTIFICATE NO. 9877  
INVOICE NO. 3109  
DATE RECEIVED June 29/70  
DATE ANALYSED July 2/70

TO: Mr. D.K. Bragg,  
3567 West 27th Ave.,  
Vancouver, B.C.

ATTN:

SAMPLE NO.:	PPM Copper	PPM Zinc	PPM Molybdenum
440E 220S	71	59	0
222	60	74	0
224	52	57	0
226	52	55	0
228	47	74	0
230	54	68	0
440E 232S	45	59	0
444E 186S	40	48	0
188	33	61	0
190	33	64	0
192	38	70	0
194	47	41	0
196	36	44	0
198	26	48	0
200	34	59	0
202	17	54	0
204	30	47	0
206	52	36	0
208	62	52	0
210	22	37	0
212	80	48	0
214	60	59	0
216	52	59	0
218	40	46	0
220	50	48	0
222	26	63	0
224	83	64	0
226	62	44	0
228	40	64	0
230	69	63	0
232	30	39	0
444E 234S	28	51	0
448E 184S	26	63	0
186	36	74	0
188	30	43	0
190	34	82	0
192	26	66	0
194	26	37	0
196	30	34	0
448E 198S	34	39	0
Std.#22	50	72	17

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## CERTIFICATE OF ANALYSIS

TO: Mr. D.K. Bragg,  
3567 West 27th Avenue,  
Vancouver, B.C.

CERTIFICATE NO. 8878  
INVOICE NO. 3109  
DATE RECEIVED June 28/70  
DATE ANALYSED July 2/70

ATTN:

SAMPLE NO.:	PPM Copper	PPM Zinc	PPM Molybdenum
448E 200S	28	31	0
202	30	52	0
204	19	34	0
206	14	31	0
208	25	48	0
210	33	44	0
212	38	52	0
214	47	48	0
216	60	76	0
218	65	64	0
220	60	54	0
222	52	51	0
224	47	61	0
226	50	59	0
228	50	44	0
230	32	55	0
232	50	74	3
448E 234S	33	51	2
452E 186S	25	59	0
188	30	61	0
190	34	64	0
192	34	57	0
194	33	50	1
196	34	55	0
198	43	51	0
200	36	35	0
202	30	50	0
204	33	59	0
206	43	54	0
208	52	36	0
210	42	46	0
212	38	96	2
214	49	36	1
216	49	34	0
218	28	59	0
220	54	63	0
222	67	66	0
224	59	52	0
226	50	54	3
452E 228S	54	55	2
Std.#22	52	74	18

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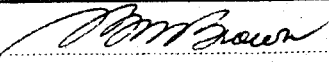
## CERTIFICATE OF ANALYSIS

TO: Mr. D.K. Bragg,  
3567 West 27th Ave.,  
Vancouver, B.C.

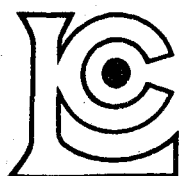
CERTIFICATE NO. 8879  
INVOICE NO. 3109  
DATE RECEIVED June 29/70  
DATE ANALYSED July 2/70

ATTN:

SAMPLE NO.:	PPM Copper	PPM Zinc	PPM Molyhdenum
452E 230S	48	55	0
456E 184S	19	24	0
186	30	92	2
188	24	72	0
190	33	23	1
192	26	88	0
194	22	32	0
196	26	63	0
198	22	61	0
200	25	59	0
202	40	46	2
204	34	44	2
206	19	34	0
208	33	43	1
210	50	48	2
212	47	51	0
214	32	33	0
216	40	46	0
218	32	29	0
220	54	51	0
222	50	64	0
224	38	59	0
226	32	63	0
228	30	66	0
456E 230S	42	82	0
462E 180S	12	16	0
182	22	44	1
462E 184S	24	18	0
464E 186S	22	21	2
188	19	32	1
190	30	52	0
192	34	44	0
194	24	20	0
196	24	32	0
198	54	34	0
200	38	32	0
202	30	59	0
204	33	43	0
206	30	36	0
464E 208S	33	61	1
Std.#22	54	74	17

Certified by 





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NORTH VANCOUVER, B.C.  
CANADA  
TELEPHONE: 985-0648

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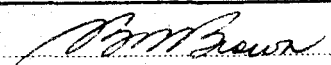
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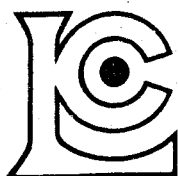
TO: Mr. D.K. Bragg,  
3567 West 27th Ave.,  
Vancouver, B.C.

CERTIFICATE NO. 8880  
INVOICE NO. 3109  
DATE RECEIVED June 29/70  
DATE ANALYSED July 2/70

ATTN:

SAMPLE NO.:	PPM Copper	PPM Zinc	PPM Molyhdenum
464E 210S	47	36	0
212	45	33	0
214	28	33	0
216	36	41	0
218	49	59	0
220	78	57	0
222	52	63	0
224	60	68	0
226	47	64	0
228	42	70	0
464E 230S	36	70	2
468E 186S	36	24	0
188	30	21	2
190	34	27	0
192	26	52	0
194	20	26	0
196	40	30	1
198	34	28	0
200	43	46	0
202	69	59	0
204	49	48	0
206	43	30	0
208	40	48	1
210	25	43	0
212	16	28	0
214	26	34	0
216	52	51	0
218	36	59	0
220	40	64	0
222	62	64	0
224	64	66	0
226	56	64	0
228	54	72	0
468E 230S	52	54	0
472E 186S	45	41	2
188	36	50	0
190	22	26	0
192	28	63	0
194	24	68	0
472E 196S	24	23	0
Sted.#22	52	76	18

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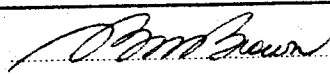
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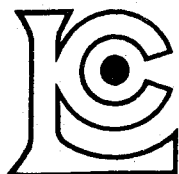
TO: Mr. D.K. Bragg,  
3567 West 27th Ave.,  
Vancouver, B.C.

CERTIFICATE NO. 8881  
INVOICE NO. 3109  
DATE RECEIVED June 29/70  
DATE ANALYSED July 2/70

ATTN:

SAMPLE NO.:	PPM Copper	PPM Zinc	PPM Molybdenum
472E 198S	24	43	0
200	32	26	2
202	85	59	2
204	34	72	1
206	48	44	0
208	78	90	2
210	28	64	0
212	28	52	0
214	45	47	0
216	52	79	0
218	56	64	0
220	52	61	0
222	52	59	0
224	69	85	0
226	38	54	0
228	52	51	0
472E 230S	71	55	0
476E 184S	33	35	0
186	28	32	0
188	24	23	0
190	26	30	0
192	8	21	0
194	28	31	0
196	30	36	0
198	28	31	0
200	26	26	0
202	33	33	0
204	45	64	0
206	17	25	0
208	24	28	0
210	56	72	0
212	45	43	0
214	33	47	0
216	43	59	1
218	43	54	0
220	50	54	0
222	64	74	5
224	58	64	0
226	58	68	0
476E 228S	45	54	1
Std. #22	52	74	17

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## CERTIFICATE OF ANALYSIS

TO: Mr. D.K. Bragg,  
3567 West 27th Ave.,  
Vancouver, B.C.

CERTIFICATE NO. 8882  
INVOICE NO. 3109  
DATE RECEIVED June 29/70  
DATE ANALYSED July 2/70

ATTN:

SAMPLE NO.:	PPM Copper	PPM Zinc	PPM Molybdenum
476E 230S	42	46	0
130S 312E	32	47	1
314	43	44	2
316	40	57	0
318	40	41	0
322	25	29	1
326	19	48	0
328	25	46	0
330	26	51	0
334	71	66	2
130S 338E	20	26	0
184S 430E	28	43	0
432	16	52	0
434	16	26	0
436	32	37	0
438	30	50	0
440	42	76	0
442	36	70	0
444	16	79	0
446	22	63	0
448	34	72	0
450	40	33	0
452	26	63	0
454	33	33	0
456	17	22	0
458	13	18	1
460	22	25	0
462	22	21	1
464	14	16	1
466	20	24	2
468	19	23	3
470	34	34	0
472	71	63	0
184S 474E	42	31	0
192S 314E	26	48	1
316	24	51	0
318	19	52	0
320	17	55	2
324	25	48	1
192S 328E	33	33	0
Std.#22	50	76	17

Certified by



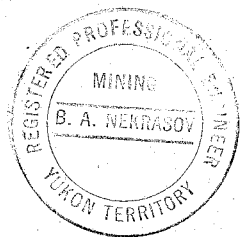
C E R T I F I C A T E

---

I, Boris A. Nekrasov, of City of Vancouver, in the Province of British Columbia, hereby certify:

1. THAT I am a consulting Geological Engineer and my present address is P.O. Box 491, stn. A, Vancouver 1, B.C.
2. THAT I am a registered Professional Engineer in Mining and Geological Section in Yukon Territory and also a corporate member of the Engineering Institute of Canada, a member of B.C. & Yukon Chamber of Mines, the Canadian Institute of Mining and Metallurgy as well as other Learned Societies.
3. THAT I have practiced my profession as an exploration geologist in B.C. and Yukon Territory for 15 years.
4. THAT I examined the property concerned in this report.
5. THAT I have no direct or indirect interest whatsoever in the mining claims referred to in the accompanying report, nor do I expect to receive any such interest.
6. THAT I have no direct or indirect interest in any Company acquiring control or intending to acquire control of KW Group mineral claims.

DATED this August 17, 1970



*Boris A. Nekrasov*  
.....

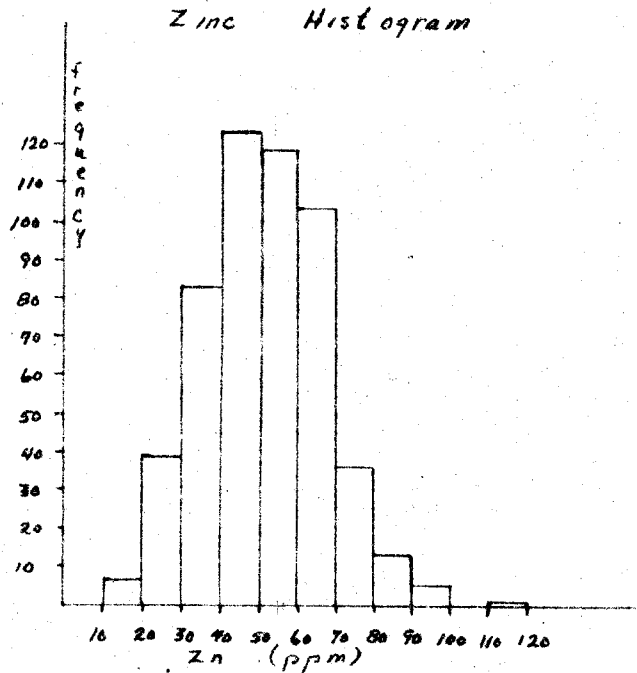
BORIS A. NEKRASOV, P. Eng. (Y.T.)  
Consulting Geological Engineer

# HISTOGRAMS Zn, Cu, Mo

## GEOCHEMICAL DATA 526 Samples

To accompany Geochemical Report  
by B. A. Nekrasov, P. Eng.

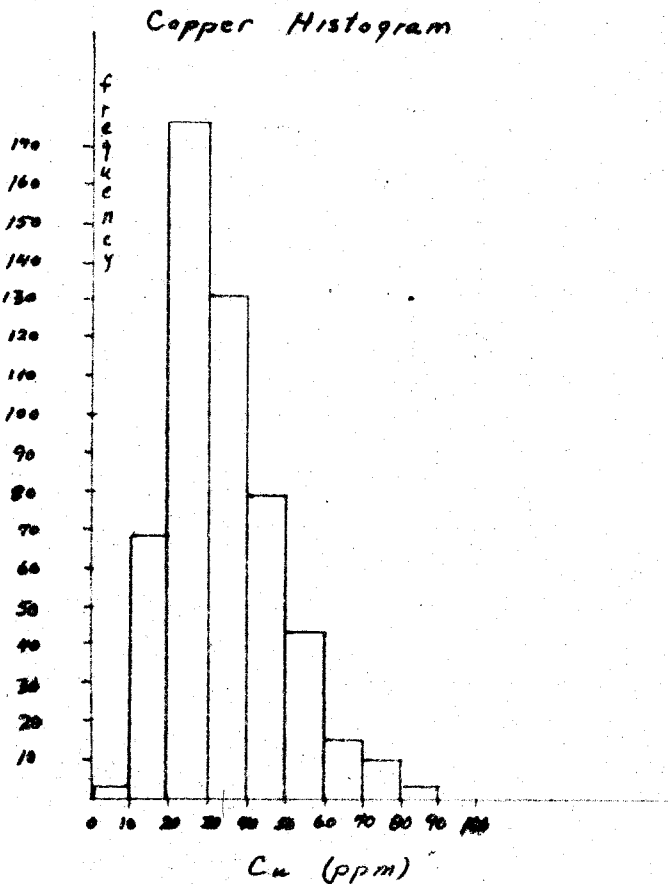
on KW Groups 1 & 2,  
Holberg Inlet Nanaimo Mining Division,  
dated Aug. 10, 1970.



480  
400

300  
frequency

### Molybdenum Histogram



200

100  
frequency

Mo. (ppm)

Drawn by: D.K. BRAGG  
Date: Aug 1970



## D. K. BRAGG

## SOIL SAMPLING DATA SHEET

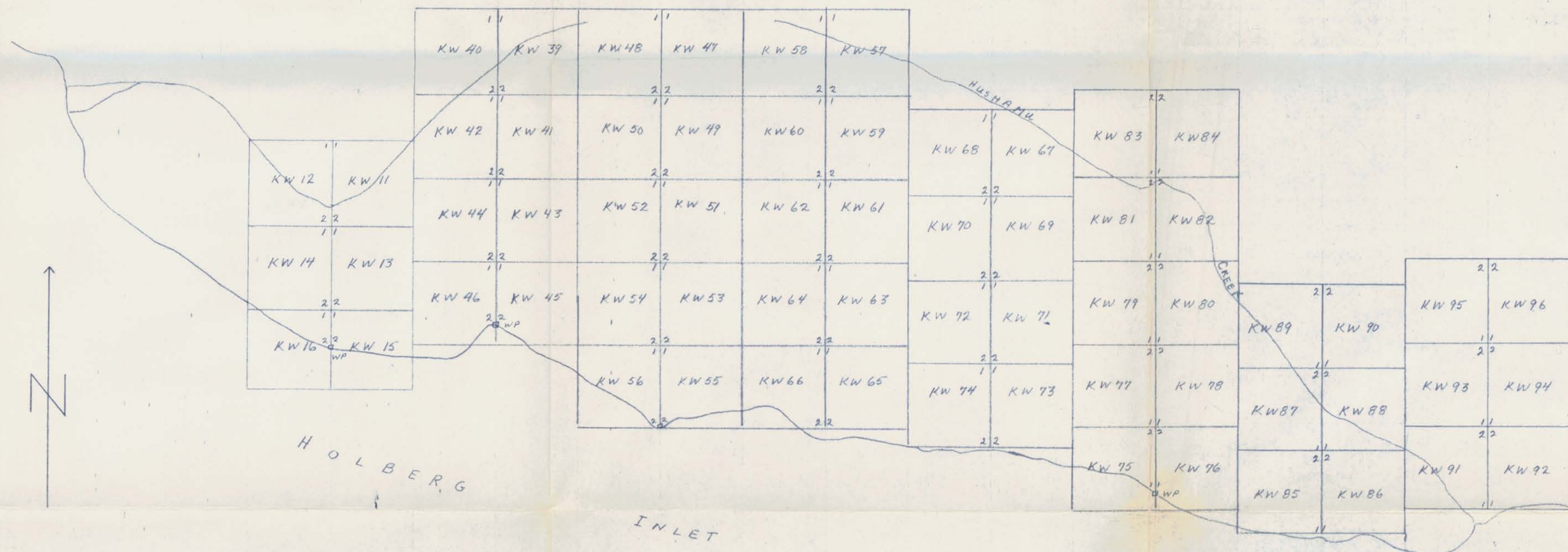
PROJECT: KW Claims

SAMPLERS:

D.K. BraggDATE: June 19, 1970D Kupferschmid

SAMPLE NO.	STATION	COMMENTS	FOREST COVER VEGETATION, ETC.	DESCRIPTION OF SOIL - TYPE, TEXTURE, COLOR ETC.	SAMPLE DEPTH	ESTIMATED OVERBURDEN DEPTH	TOPOGRAPHY	
318F	1945	30' N. of Beach	Logged	Mat. Cedar, Hem.	Gray-brown Gravelly clay loam Wet	2 1/2'	2 1/2' ±	10° S
	1925							
	1905	Street metal 30' to NNE	Logged	Yng Hem. Balsam	Red-brown " " " "	1 1/2'	5' ±	40° SSE
	1885		Logged	" " Cedar	" " " " " "	2'	5' ±	15° S.
	1865	in slide area		" " Balsam	Dark " " " " Moist	1 1/2'	3' ±	30° SW
	1845		Logged	" " "	" Buff brown " " " "	1 1/2'	5' ±	45° E
	1825			" " "	Red-brown " " " " Dry	1'	5' ±	45° E
	1805			" " Cedar	Buff " " " " Moist	1 1/2'	5' ±	45° NE
	1785			" " Spruce	Red-Brown " " " " "	1 1/2'	5' ±	45° S
	1765			" " Balsam	Gray " " " " "	2 1/2'	3' ±	45° SW
	1745			" " Spruce	Red " " " " "	2'	5' ±	45° SW
	1725	Some Organic		Mat Hem.	Dark Redbrown " " " " Dry	3'	5' ±	45° SW
	1705			" " Spruce	" " " " " " " " Moist	3'	5' ±	45° W
	1685			" " "	" brown " " " " "	3'	3' ±	45° SW
	1665			" " "	Red " " " " " "	3'	3' ±	45° WSW
	164			" " Sp.	Brown " " " " "	6"	1' ±	45° S
	162	Cliff		Alder & Cedar	Dark " " " " " " Organic	6"	1' ±	50° WSW
	160			Mat Hem sp.	Reddish Brown " " " " " " Moist	2 1/2'	5' ±	35° N
	1585			" " "	Gray " " " " " " "	2 1/2'	10' ±	35° N
	1565			" Hem Balsam	" " " " " " " "	2 1/2'	5' ±	30° N
	1545			" Cedar Hem	Buff " " " " " " "	2'	10' ±	25° NNW
	1525	Seepage area		" " "	Gray " " " " " " " " Organic Wet	2'	5' ±	30° E
	1505			" " "	Red " " " " " " " " Gravelly Clay loam	2'	2'	20° NNE
	1485			" " "	Gray " " " " " " " "	1'	1'	15° NNE
	1465	Ridge top		" " "	Red " " " " " " " " Moist	1'	1'	15° W





LEGEND

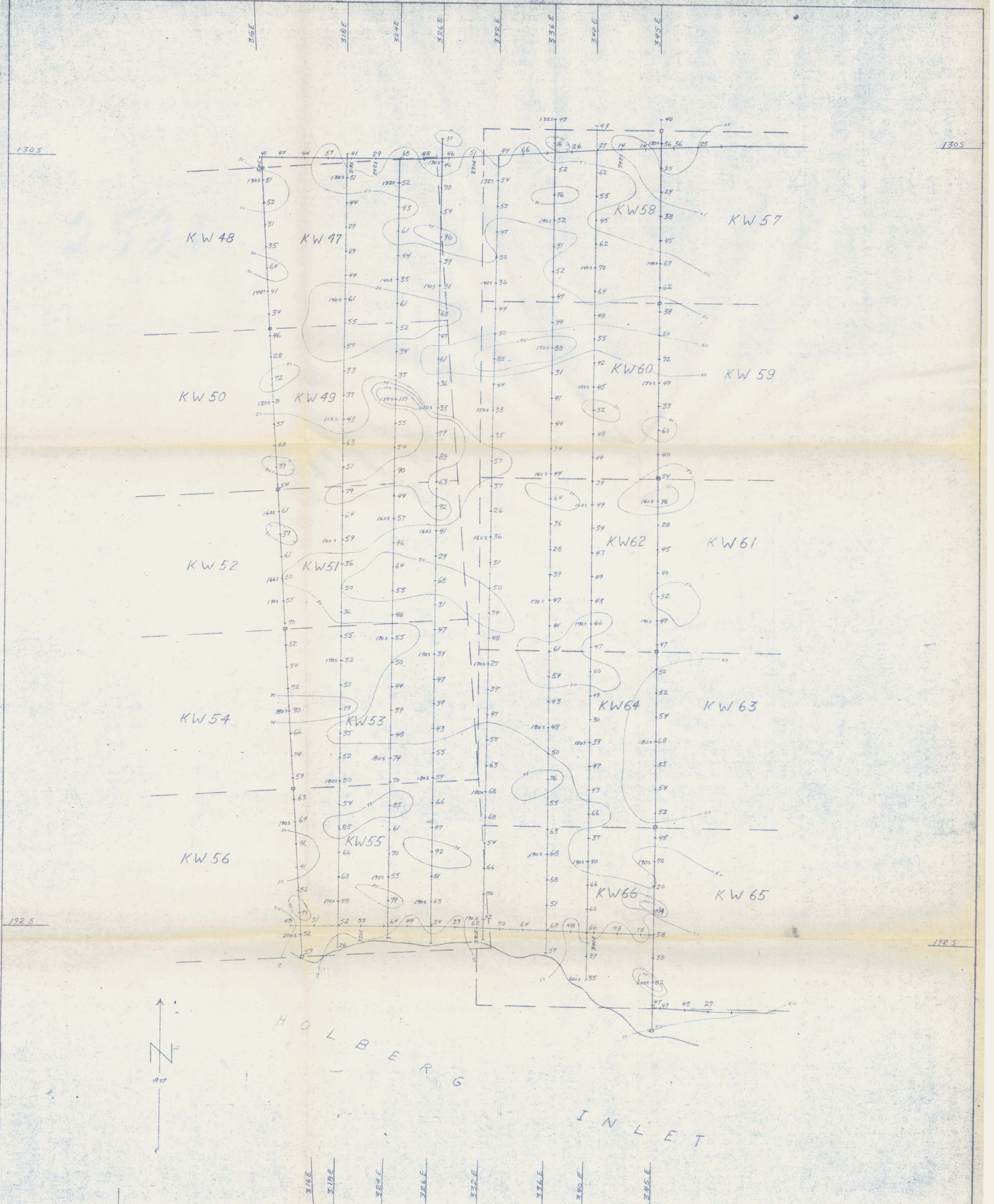
- KW Group 1      38 Claims
- KW Group 2      26 Claims

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 2521 MAP #2

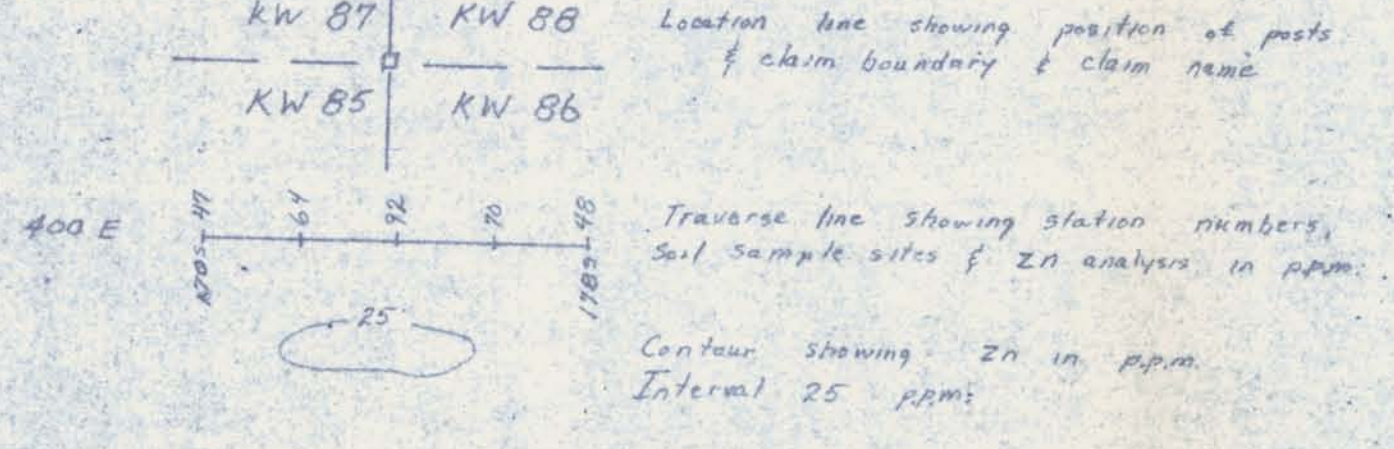
<p><b>GROUPING PLAN KW CLAIMS</b></p> <p>HOLBERG INLET VANCOUVER ISLAND</p> <p>To Accompany Geochemical Report by B. A. Nekrasov, P. Eng (Y.T.) on the KW Claims, Holberg Inlet, Nanaimo Mining Division, dated Aug 10, 1970</p>	
DRAWN by D.K. Bragg	
SCALE 1" = 1500'	

2521





**LEGEND**

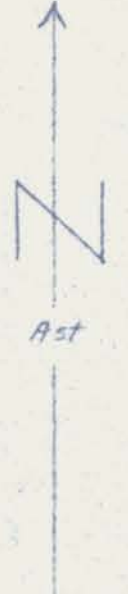
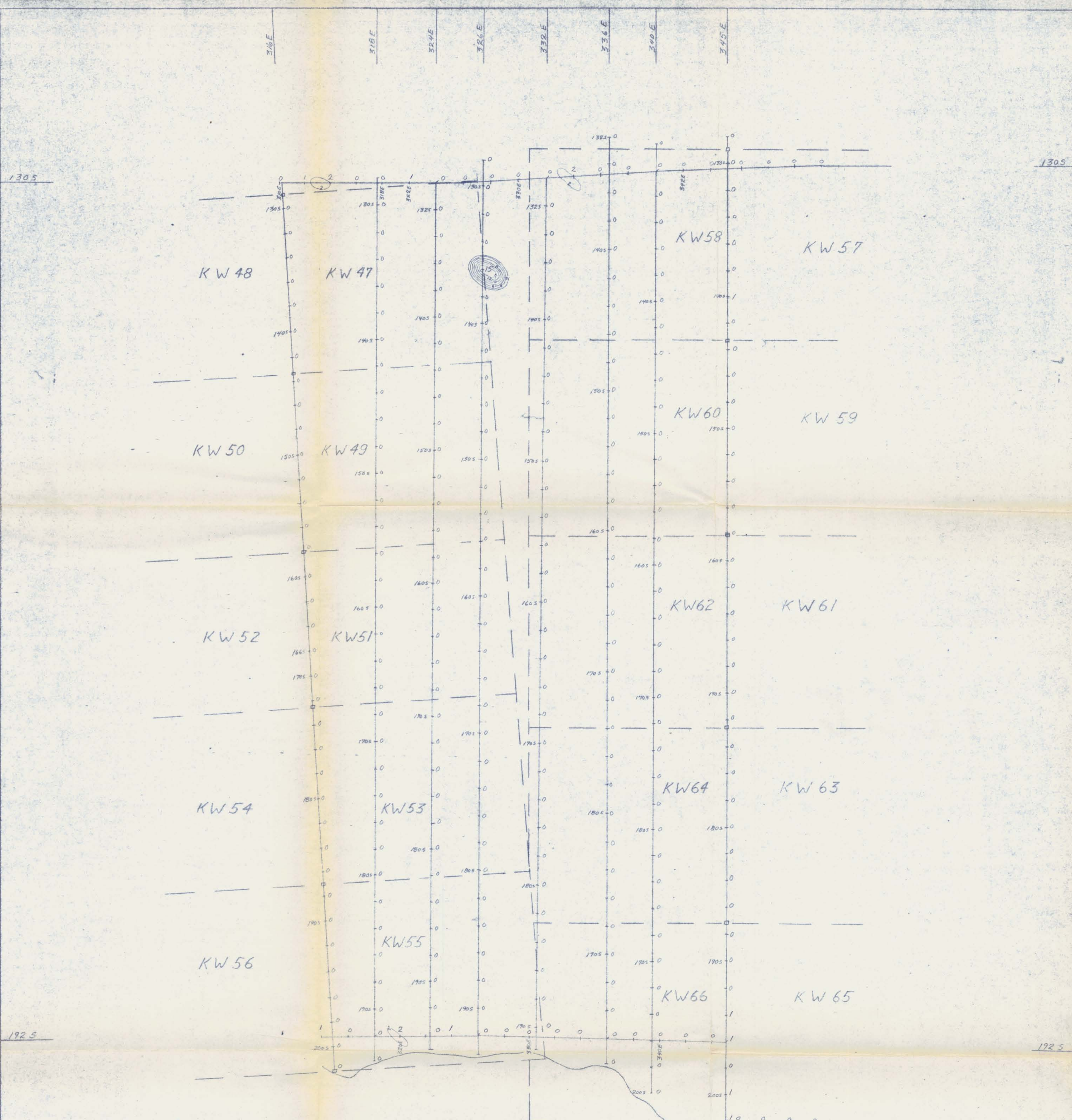


Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. **2521** MAP #6

**2521**

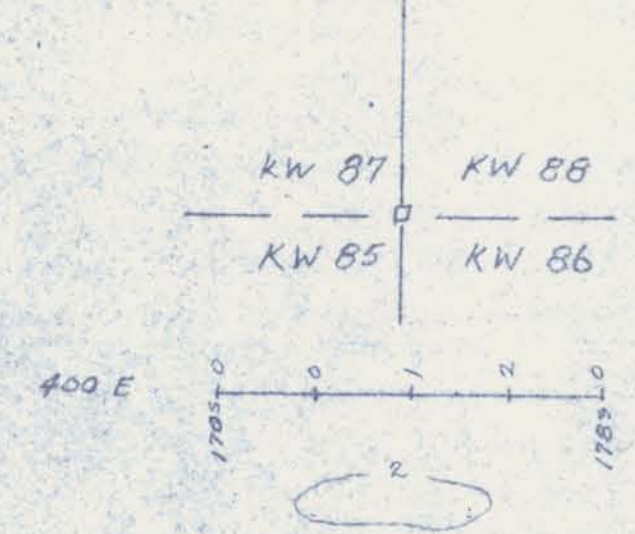
GEOCHEMICAL SOIL SURVEY (Zn, ppm.)  
SHEET 2  
KW CLAIMS  
HOLBERG INLET VANCOUVER ISLAND B.C.  
SCALE 1" = 400'  
To accompany 'Geochemical Report' by B.A. Nekrasov P.Eng.  
on the KW Claims, Holberg Inlet, Mainland Mining Division  
dated Aug 10, 1970  
Work by: DK Bragg Date: Aug 1970  
Drawn by: DK Bragg





H O L B E R G  
I N L E T

**LEGEND**  
 Location line showing position of posts  
 & claim boundary & claim name.  
 Traverse line showing station numbers,  
 Soil sample sites & Mo analyses in ppm.  
 Contour showing Mo in ppm  
 Interval 2 ppm.



Department of  
**Mines and Petroleum Resources**  
**ASSESSMENT REPORT**  
 NO. **2521** MAP #7

**2521**

GEOCHEMICAL SOIL SURVEY (Mo. ppm)  
 SHEET 2  
**KW CLAIMS**  
 HOLBERG INLET VANCOUVER ISLAND B.C.  
 SCALE 1" = 400'  
 To accompany 'Geochemical Report' by B.A. Nekrasov P.Eng.  
 on the KW Claims, Holberg Inlet, Nanaimo Mining Division  
 dated Aug 10, 1970  
 Work by: DK Bragg Date: Aug 1970  
 Drawn by: DK Bragg



KW CLAIMS

HOLBERG INLET VANCOUVER ISLAND BC.

SCALE 1" = 400'

To accompany 'Geochemical Report' by B.A. Nekrasov P.Eng.  
on the KW Claims, Holberg Inlet, Nanaimo Mining Division  
dated Aug 10, 1970

Work by: DK Bragg Date: Aug 1970  
Drawn by: DK Bragg

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

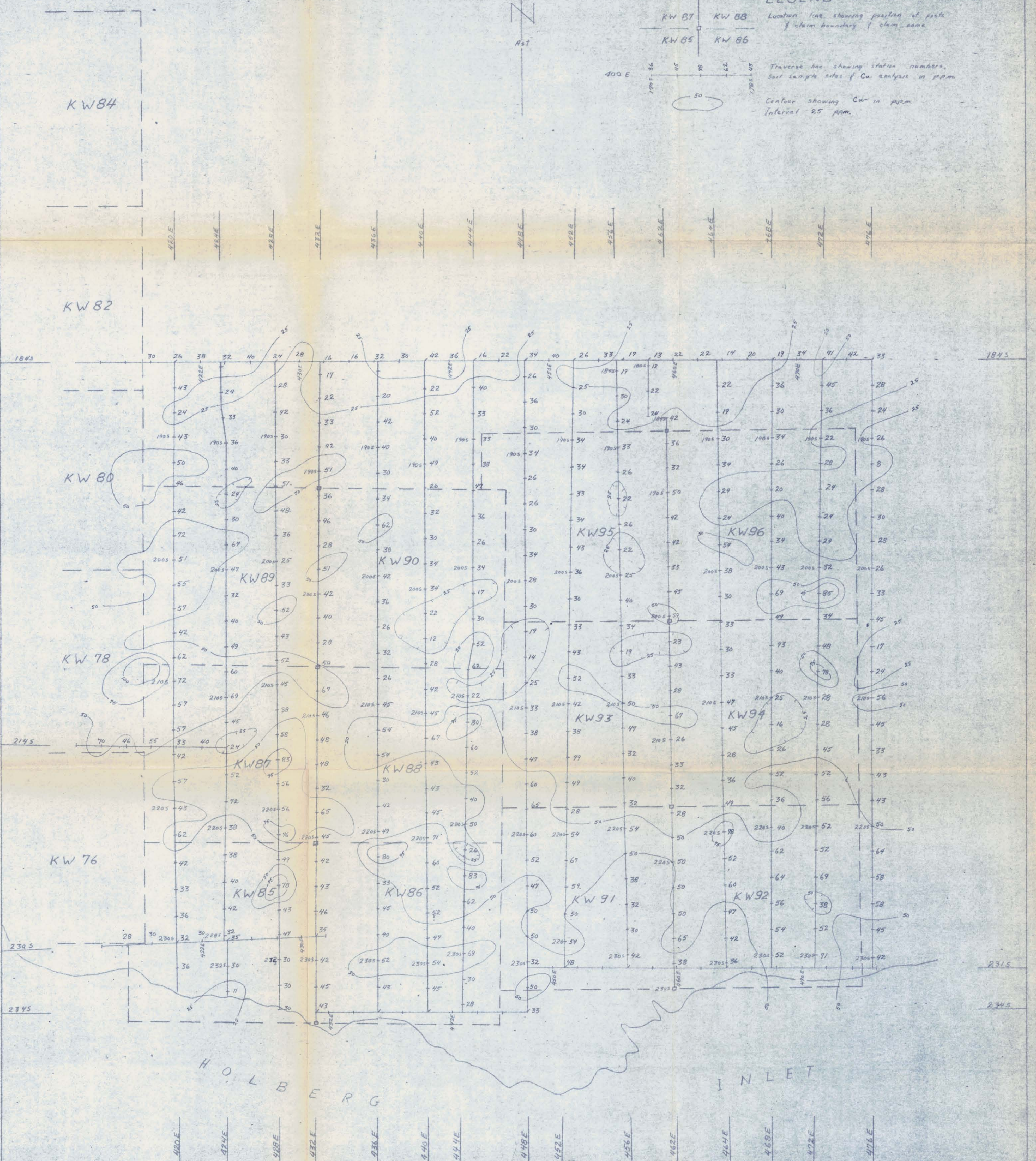
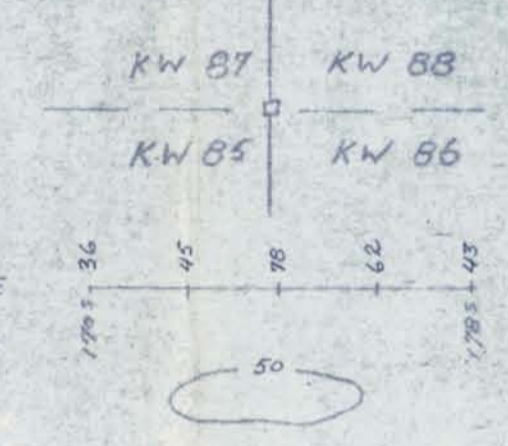
NO. 2521 MAP #5

LEGEND

Location line showing position of posts  
& claim boundary & claim name

Traverse line showing station numbers,  
Soil sample sites of Cu analysis in ppm.

Contour showing Cu in ppm.  
Interval 25 ppm.



2521



GEOCHEMICAL SOIL SURVEY (Mo ppm)  
 SHEET 1

KW CLAIMS

HOLBERG INLET VANCOUVER ISLAND BC

SCALE 1" = 400'

To accompany 'Geochemical Report' by B.A. Nekrasov P.Eng.  
 on the KW Claims, Holberg Inlet, Nanaimo Mining Division  
 dated Aug 10, 1970

Work by: DK Bragg Date: Aug 1970

Drawn by: DK Bragg

Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT

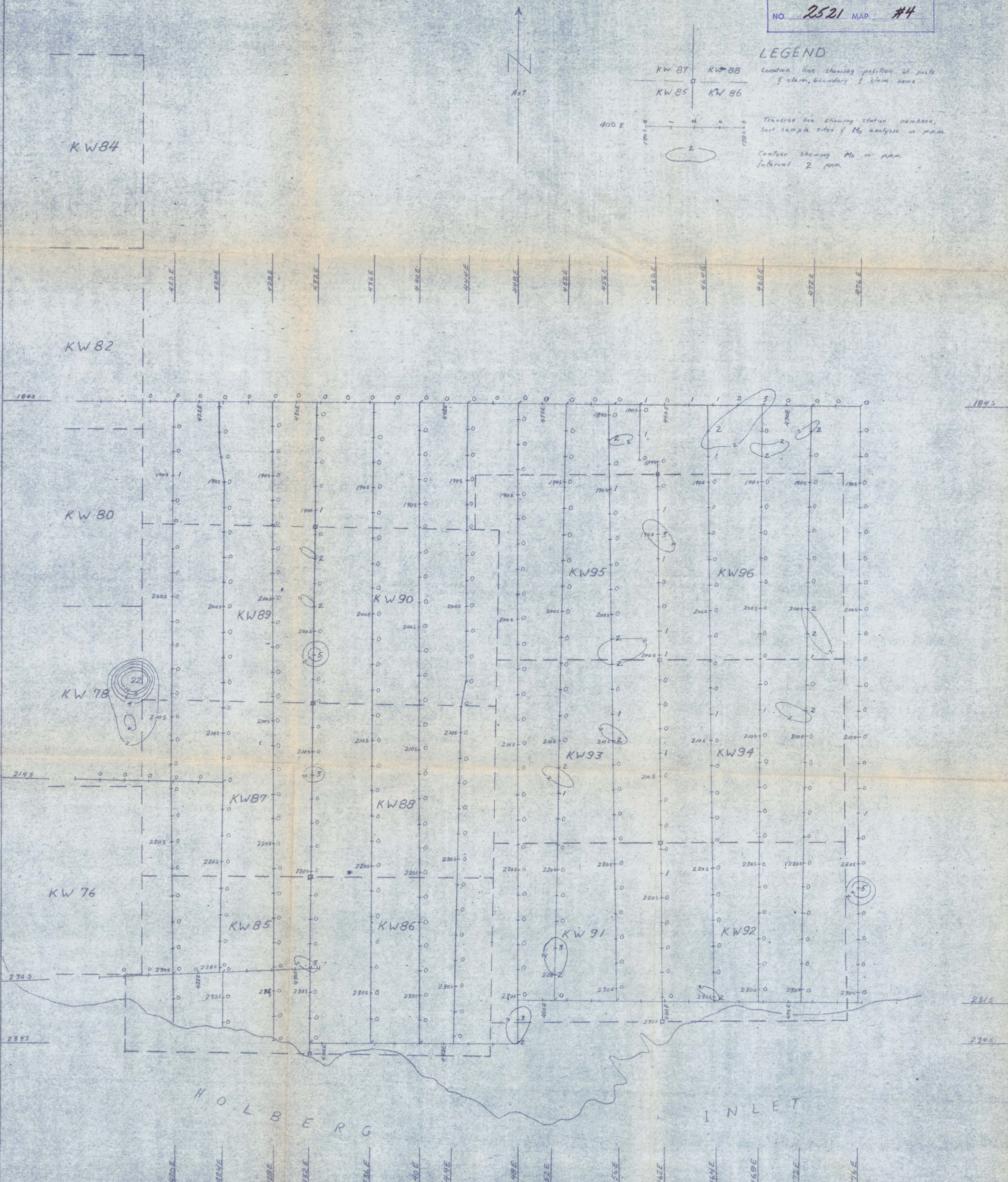
NO. 2521 MAP #4

LEGEND

Location line showing position of posts  
 of claim, boundary of claim name

Traverse line showing station numbers,  
 soil sample sites if Mo analysis in ppm

Contour showing Mo in ppm.  
 Interval 2 ppm.





KW CLAIMS

HOLBERG INLET VANCOUVER ISLAND BC

SCALE 1" = 400'

To accompany "Geochemical Report" by B.A. Nekrasov P. Eng  
on the KW Claims, Holberg Inlet, Maritime Mining Division  
dated Aug 10, 1970

Work by: D.K. Bragg  
Drawn by: D.K. Bragg

Date: Aug 1970

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

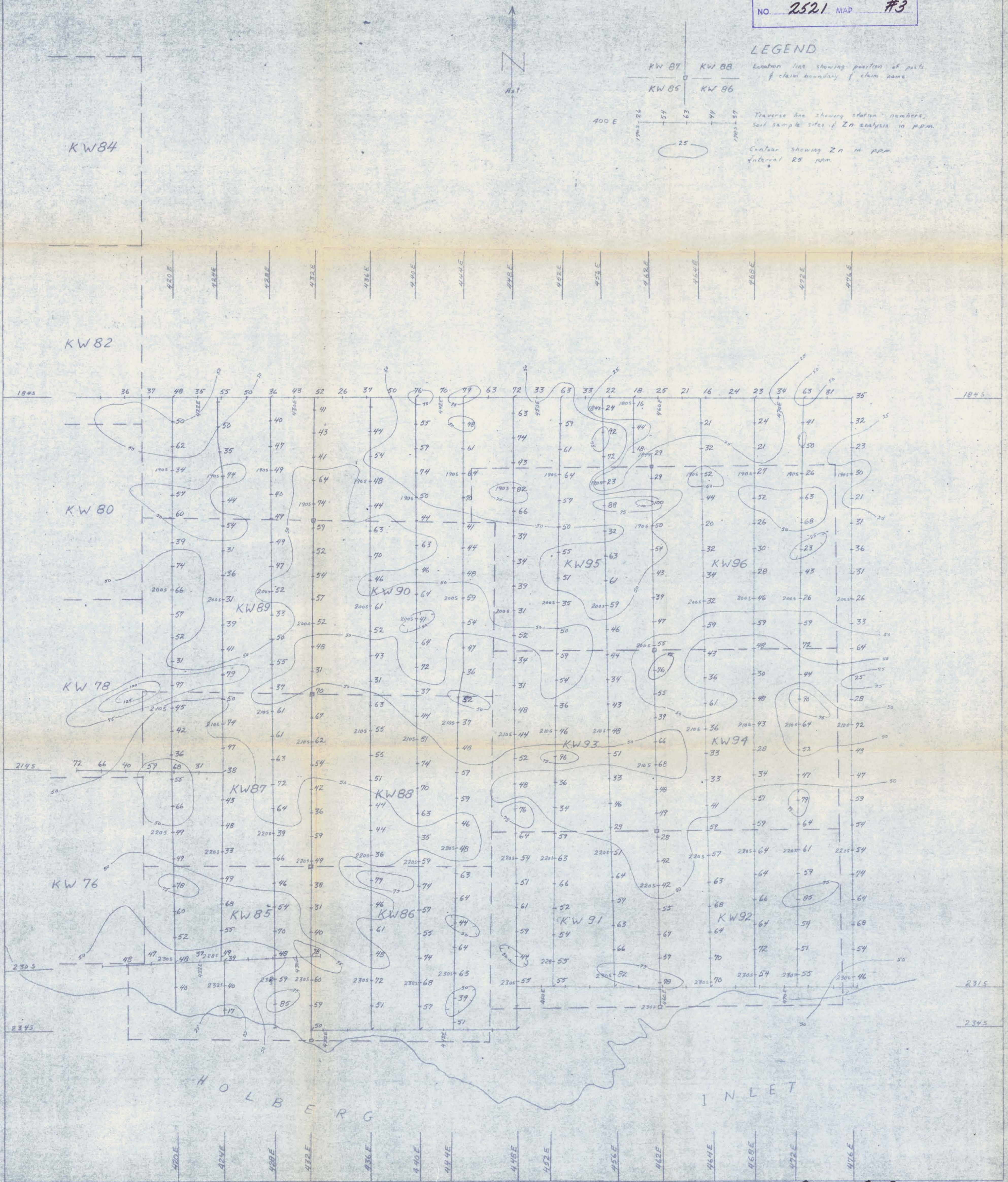
NO. 2521 MAP #3

LEGEND

Location line showing position of parts  
of claim boundary & claim name

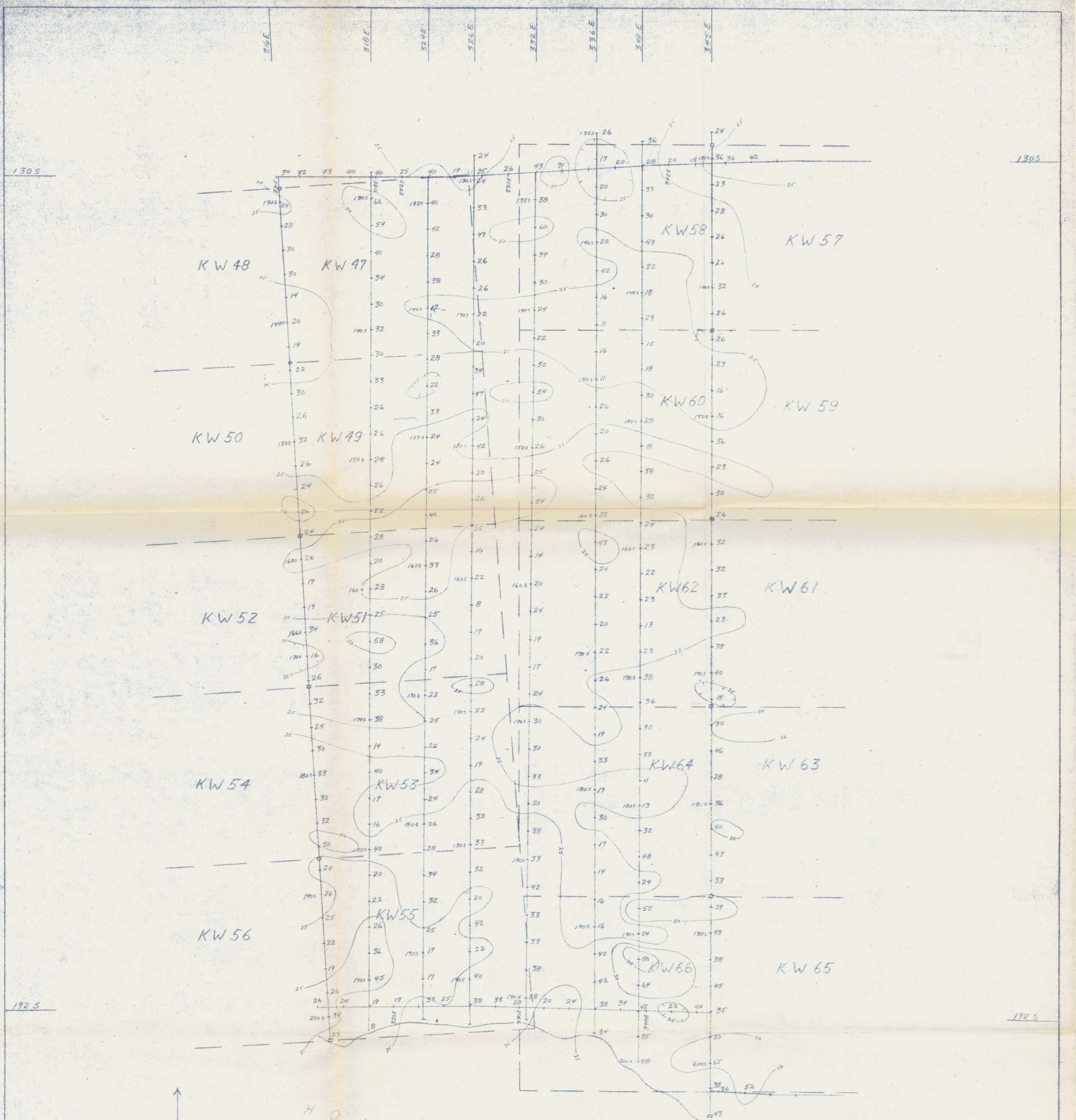
Traverse line showing station numbers,  
Soil sample sites & Zn analysis in ppm.

Contour showing Zn in ppm  
Interval 25 ppm.



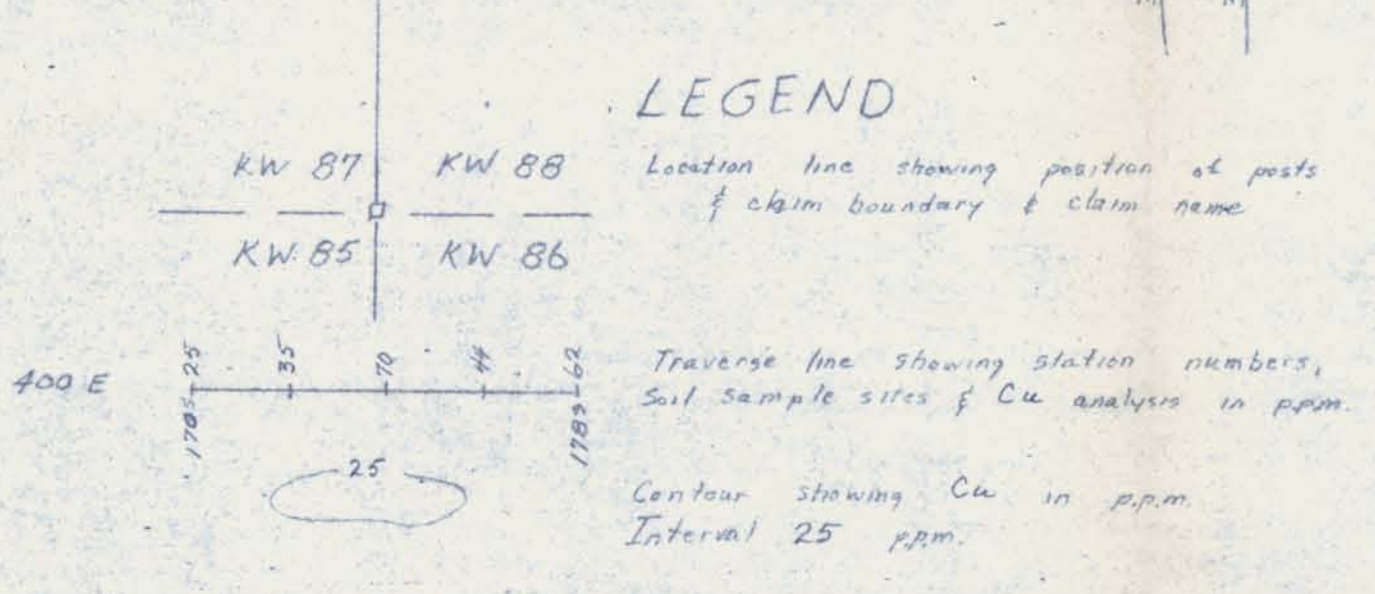
2521





H O L B E R G  
I N L E T

**2521**



Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. **2521** MAP #8

GEOCHEMICAL SOIL SURVEY (Cu. ppm)  
SHEET 2  
**KW CLAIMS**  
HOLBERG INLET VANCOUVER ISLAND B.C.  
SCALE 1" = 400'  
To accompany 'Geochemical Report' by B.A. Nekrasov P.Eng.  
on the KW Claims, Holberg Inlet Maritime Mining Division  
dated Aug 10, 1970  
Work by: DK Bragg Date: Aug 1970  
Drawn by: DK Bragg