

91-691

1991  
Yukon Mining Incentive Program  
Autec Resources Ltd.  
Grubstaking Report  
for  
Eugene Curley

NTS 115I02  
NTS 115I03  
NTS 115I10  
NTS 105L07  
NTS 105K03  
NTS 105K04  
NTS 115O14

by Eugene Curley  
Propsector  
20 November 1991

## SUMMARY

The 1991 Prospecting Season consisted of 64 days prospecting in map areas 115-1-3, 115-1-2, 115-1-10, 105-L-7, 105-K3 and 115-0-14.

In the Dawson area 115.0.14 the areas covered were the lapsed claims BON and CAP near the headwaters of Bonanza Creek and the area on the North of the Indian River downstream for 11 km. West from the confluence of Quartz Creek.

The BON claims covered an area of tree covered hills and a wide valley which ran from the height of land to upper Bonanza Creek. Most of the area was covered by a heavy layer of moss. Numerous boulders of quartz were located and samples were taken from them. The rocks in the area consisted mainly of shists, with some quartz veining - assays from the most promising samples provided only low gold values.

The CAP claim area was located at a higher elevation, at the head of the Carmacks Fork of upper Bonanza Creek. The area was moss covered with few outcroppings and few trees. Numerous quartz float containing chalcocite was found over a large area of property. Old pits and trenches from Goldrush days were scattered over the property. Three veins were found, two of which were small 6" to 12" wide containing chalcocite in small amounts. These were on CAP 6 & 7. The third vein was located on CAP 11 and was approximately 2' wide trending Northwest and contains a brecciated quartz with malacite and azurite staining. This vein was sampled and assayed for gold. The results were very low values.

The Indian River area consists of tree covered slopes and some bare hillsides. The rocks are mainly shists and some limestone outcrops with quartz veining few outcrops occur. Samples were taken from 2 small veins cutting shists approximately 8 km. from Quartz Creek. The veins were located 100 feet apart in altered shists. Number 1 vein was approximately 2

1/2 feet wide and contained broken rusty quartz. Number 2 contained white quartz with graphite and was a similar width to number 1. Number 2 vein was assayed and was anomalous in NO-CU-PB-ZN, AG-FE-CR. Vein Number 1 was anomalous in AU but low grade. Some samples were taken near Minto 115-1-10 while returning to Whitehorse, of some fine grained altered intrusive 1 km. South of McCabe Creek. Assays contained a trace of gold - assay results and maps are attached.

In the Little Salmon area 105-L-2 8 days of prospecting were completed along the North areas of Little Salmon Lake. Granodiorite was observed along the first 4 miles from the end of Little Salmon Lake to the contact zone of metamorphic rocks near a large regional fault which contained areas of altered meta sediments. Further along the lake numerous veins were observed cutting metamorphic rocks. This was a general preliminary observation of the area North of the lake to try and locate possible areas of interesting mineralization.

3 days were spent in the Mount Nansen area 115-1-3 trying to locate unstaked areas in the perimeter of the Aurchem Property. On June 17 an accident occurred with a 4 X 4 ATV which resulted in a broken ankle. Work was resumed on August 8 three days was spent working on the unstaked area of Victoria Mountain. The area consists of granodiorite with areas of andesite and some brecciated andesite. The only mineralization found was pyrite in the andesite.

The Little Salmon Lake area was prospected for a total of 34 days. A small amount of work was done close to Frenchman Lake. The area covered was the North side of Little Salmon Lake from its West end to just past the East end of the lake and bounded on the North by the ridge on Bearfeed Lake. The South side of the Lake was examined from about 1 mile East of the lake to

about 6 miles West. Granodiarite occurs just East of the West end of the lake and extends to a contact zone 4 miles farther. The contact zone consists of altered shists and limestone. A gold/copper occurrence reported in this area was not found. Further research has been done and this showing is now believed to be pinpointed. Numerous veins were examined all along the lake. These veins were located in shist and were small and most showed some pyrite and chalcopyrite mineralization. These veins are not considered to be of economic value because of their size and amounts of mineralization. For this reason their location was not considered important. This area is very steep with much exposed outcrop.

The ridge between Little Salmon Lake and Bearfeed Creek was accessed by 4 X 4 ATV and on foot. The ridge is moss covered with scattered small spruce trees and brush with occasional outcroppings. The ridge top is almost bare, shist and limestone with quartz veining occur all along the ridge. Samples were taken of rusty mineralized shist float which occurs all over the ridge. Assays were negative with high iron content only. Additional assays of quartz float and quartz limestone float were negative. The valley and lower slope areas East to Drury Creek were filled with glacial till with little outcrop.

The South side of the lake consists mainly of metamorphic rock. Some ultra mafic rock was found slightly upstream of the Mogundy River entrance to the lake. A large 50 foot vein was found about 2 miles West of the end of the lake. Assays returned anomalous results of CU, NI, CO, FE, CA and CR. The vein is in metamorphic rock.

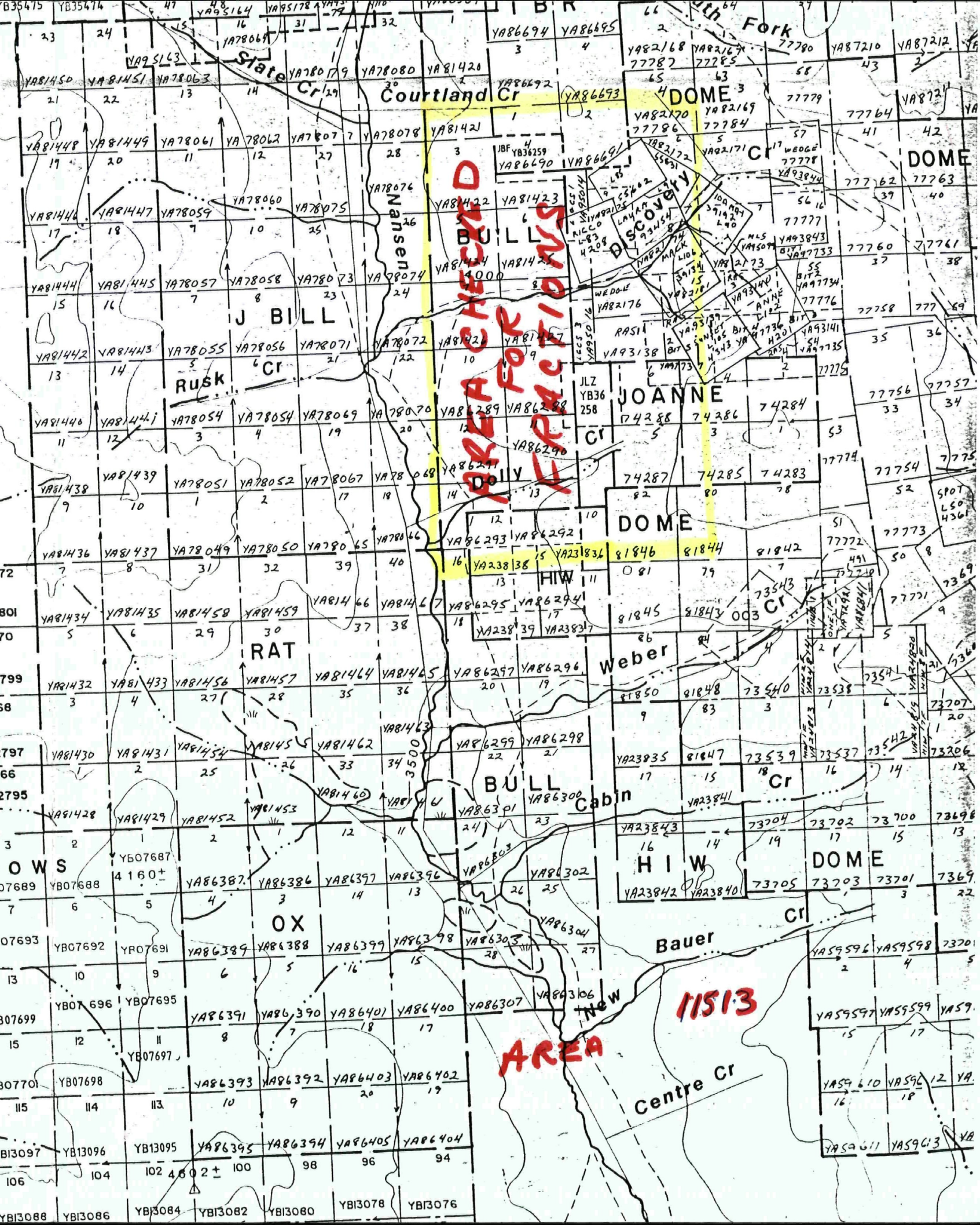
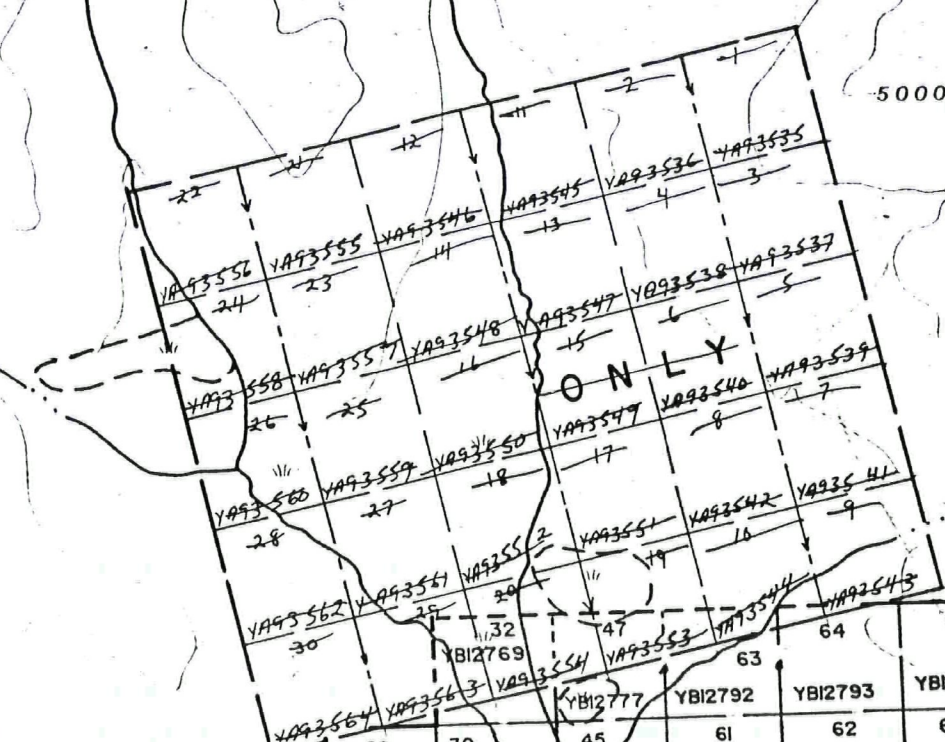
The Faro area was examined around the Fisheye Lake area for a radius of about three miles. Samples were taken from veins and stockworks in shist along an area 1 miles East of the Lake. Results were poor. The area North of Fisheye consists mainly of Glacial covered hills with a few metamorphic rock outcrops South of the lake. The rocks are metamorphic and the whole area contains shists, quartzites, etc.

An area of 115-1-2 Southwest of Rowlinson Creek bridge examined. The area prospected was around the largest lake as indicated on the accompanying map. A government stream sediment gold anomaly was checked on the stream entering the lake from the West. It was decided that the gold anomaly resulted from an outwash of glacial gravel. Approximately 29 geo chem soil sampls were teaken from a suspected shear zone area on the North side of the lake. This zone is approximately 100 meters wide and extends in a Northerly direction. Nine samples were originally assayed. Low gold anomalies from these assays make it necssary to assay the remining samples, which is being done at this time. A copy of the results will be added to this report.

CONCLUSION: The vein and surrounding areas on the Southeast shore of Little Salmon Lake require more work. The Indian River area should be reexamined. The Minto area fine grained intrusives should be further examined.

Yours truly

Eugene Curley

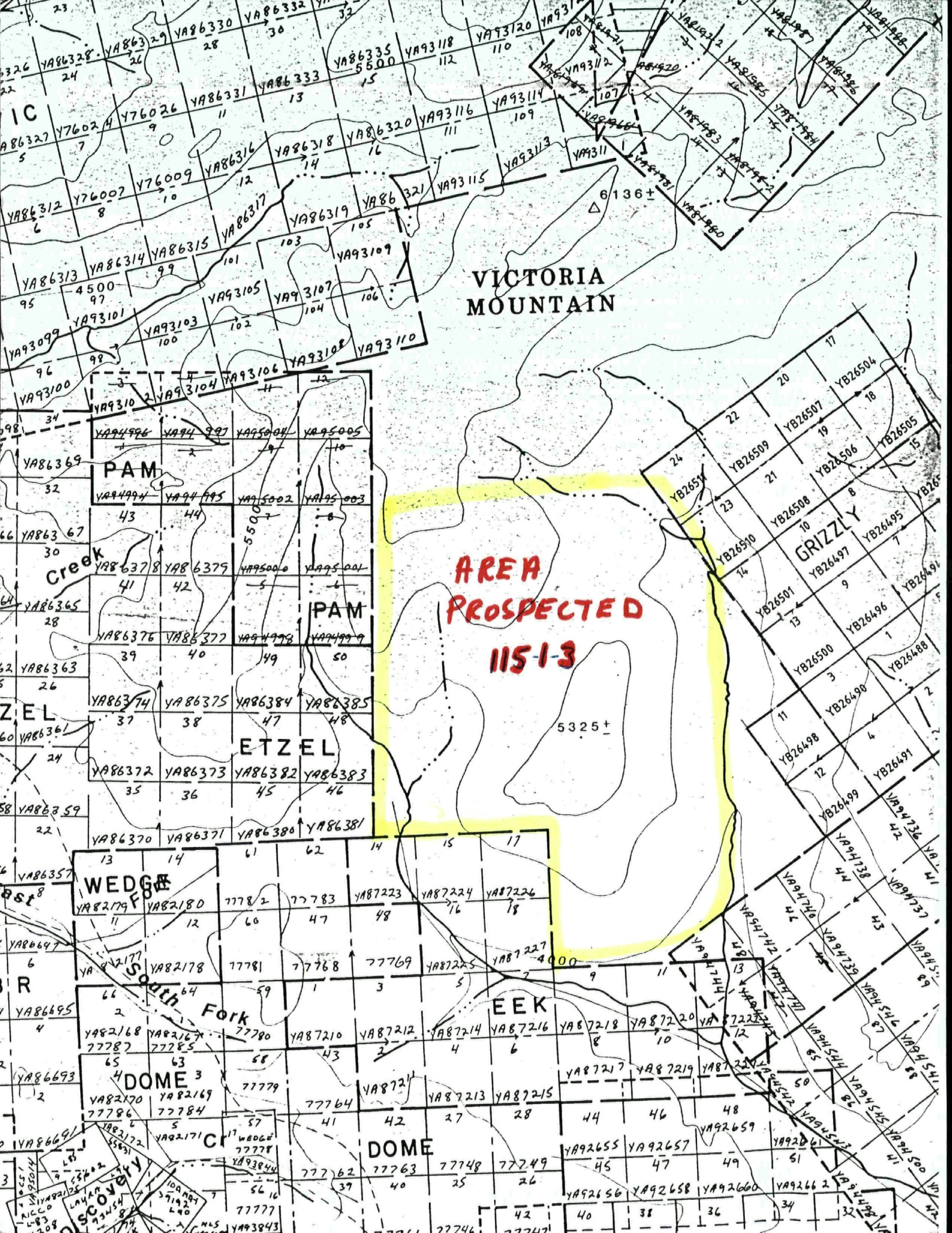


Creek

11513

AREA

CHECKED BULLS  
PREPARED FOR FRACTIONS



VICTORIA MOUNTAIN

AREA PROSPECTED  
115-13

PAM

PAM

ETZEL

WEDGE

DOME

DOME

GRIZZLY

EEL

IC

ZEL

R

SCOVILLE

LAVER

LAVER

LAVER

LAVER

LAVER

LAVER

LAVER

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LAVER

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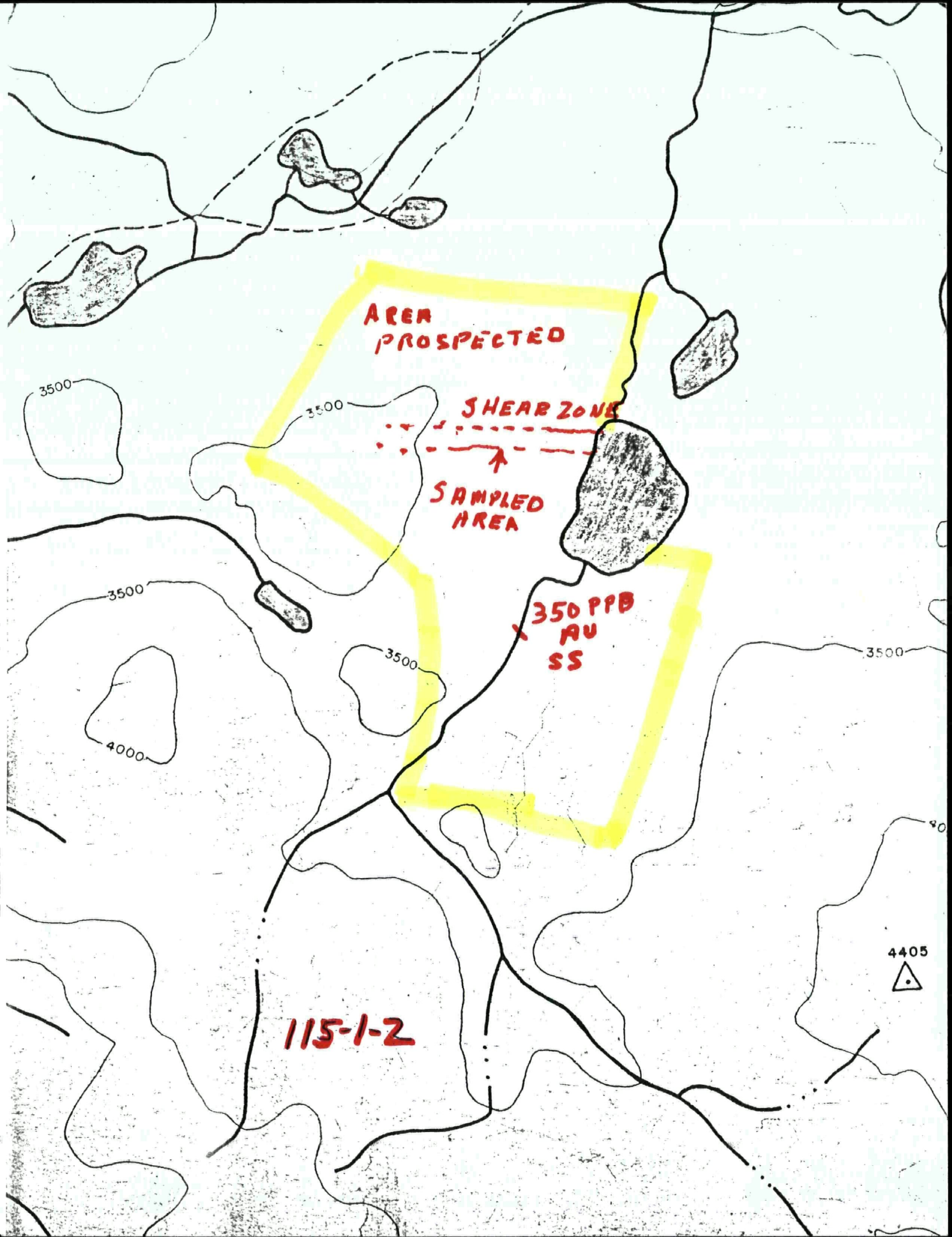
LAVER

LAVER

LAVER

LAVER

LAVER



AREA  
PROSPECTED

SHEAR ZONE

SAMPLED  
AREA

350 PPB  
AU  
SS

115-1-2

4405



3500

3500

3500

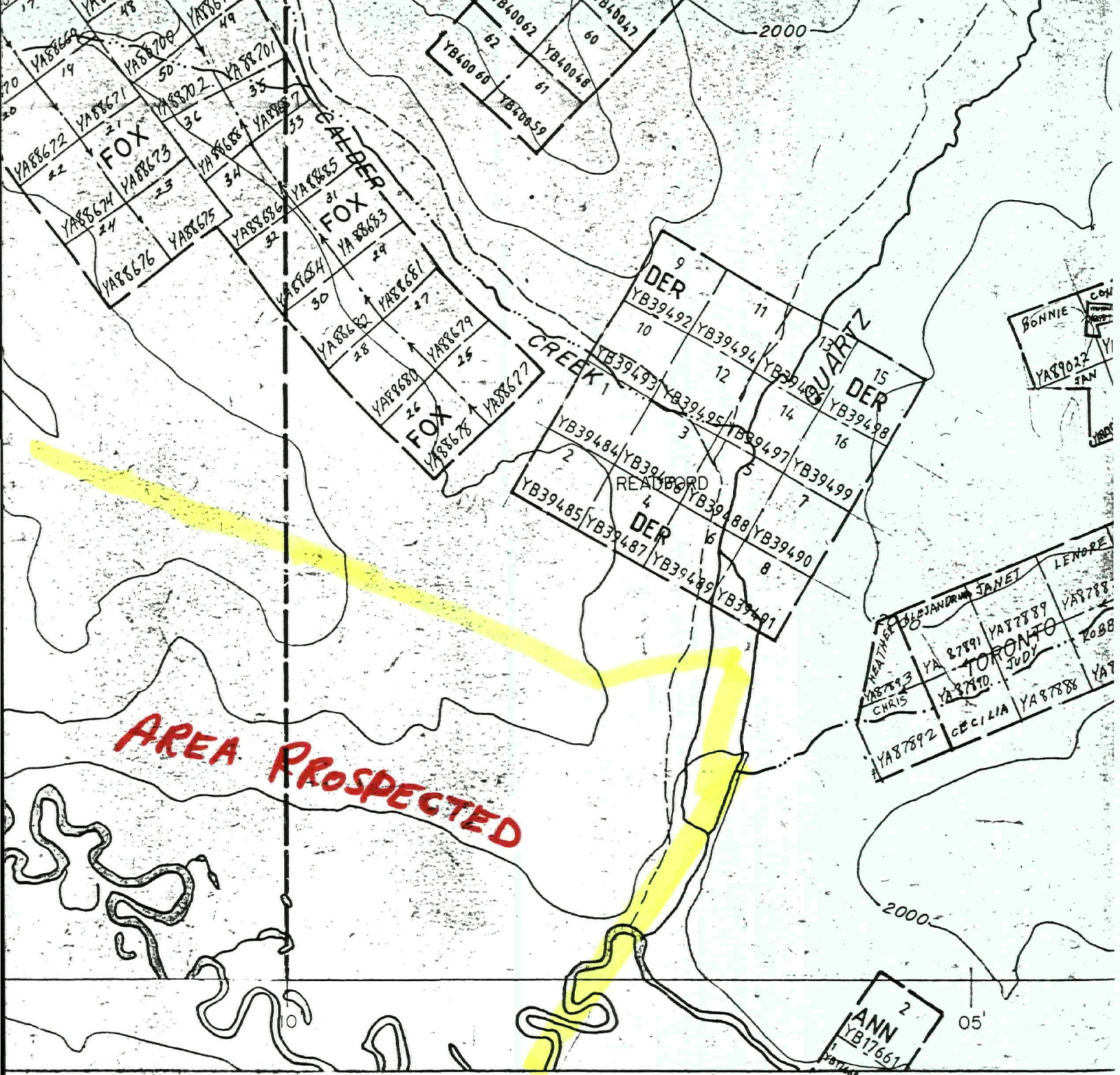
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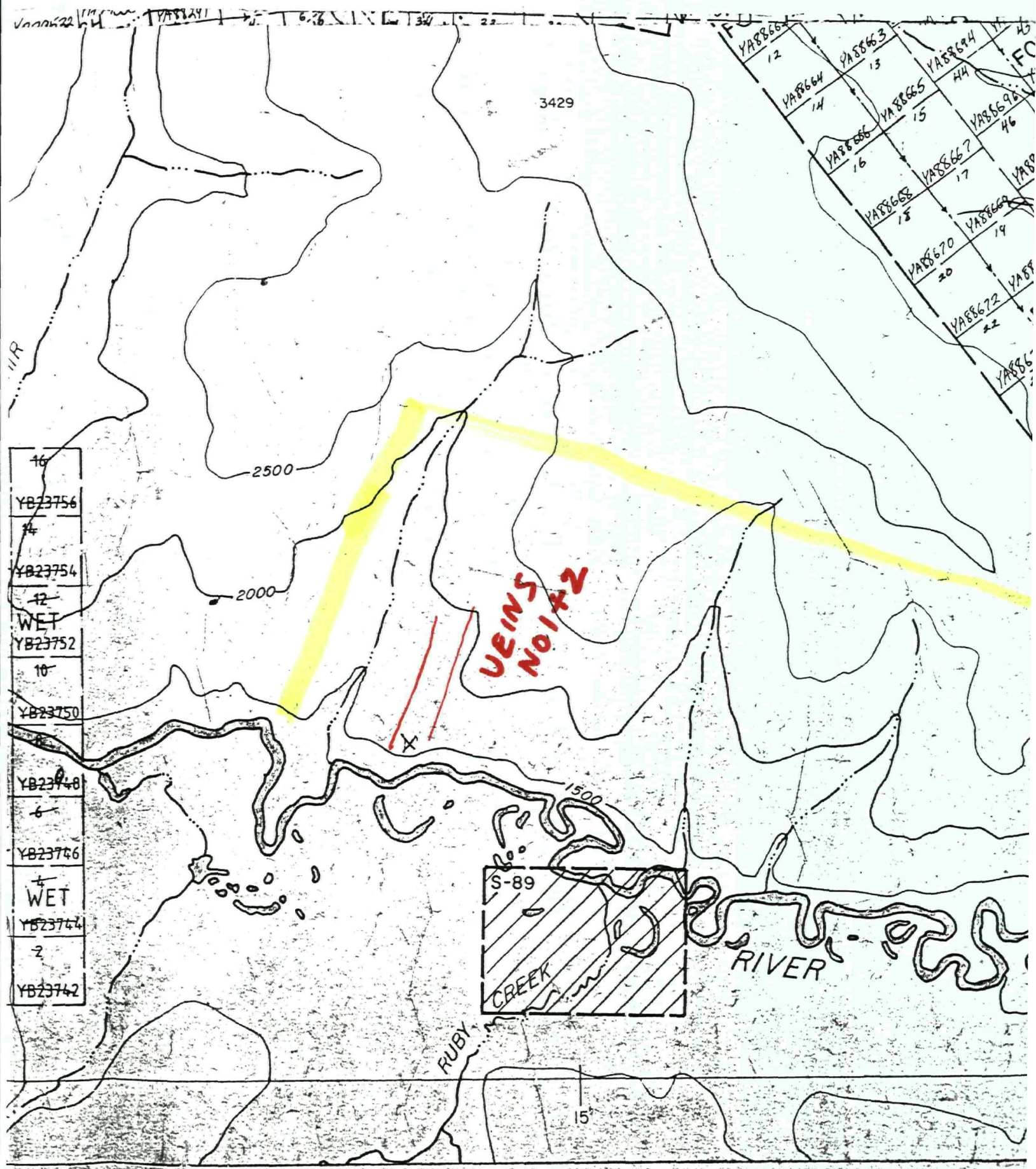
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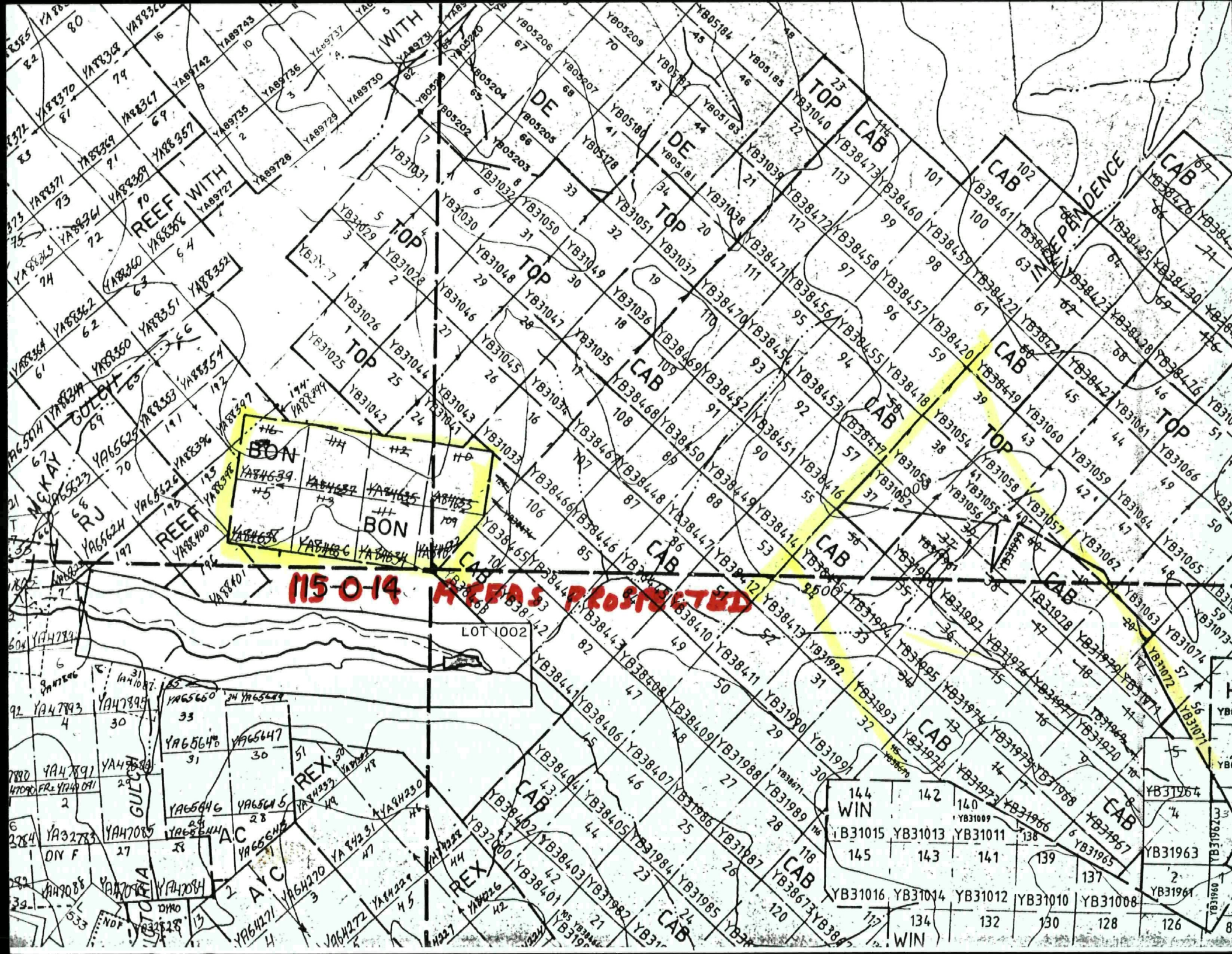




1150.14



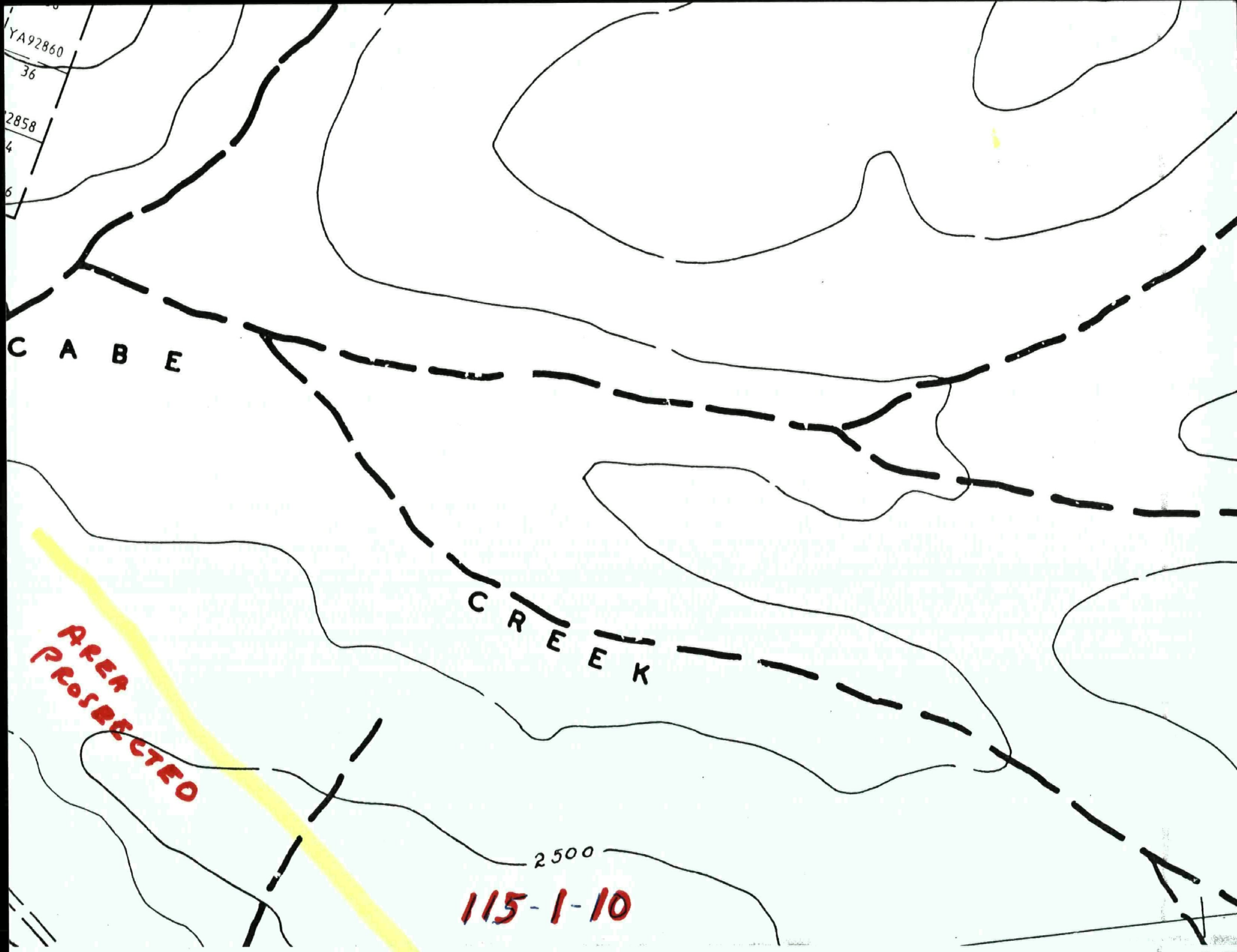
115-0-14



**115-014 AREAS PROTECTED**

144	142	140	
WIN		YB31009	
YB31015	YB31013	YB31011	138
145	143	141	139
YB31016	YB31014	YB31012	YB31010
			YB31008
	134	132	130
			128
			126
			120
			WIN

Map labels include: MCKAY, GULCHA, REEF WITH, BON, REX, WIN, CAB, DE, TOP, REEF, A/C, DINO, and various parcel numbers (e.g., YB31001, YB31002, YB31003, YB31004, YB31005, YB31006, YB31007, YB31008, YB31009, YB31010, YB31011, YB31012, YB31013, YB31014, YB31015, YB31016, YB31017, YB31018, YB31019, YB31020, YB31021, YB31022, YB31023, YB31024, YB31025, YB31026, YB31027, YB31028, YB31029, YB31030, YB31031, YB31032, YB31033, YB31034, YB31035, YB31036, YB31037, YB31038, YB31039, YB31040, YB31041, YB31042, YB31043, YB31044, YB31045, YB31046, YB31047, YB31048, YB31049, YB31050, YB31051, YB31052, YB31053, YB31054, YB31055, YB31056, YB31057, YB31058, YB31059, YB31060, YB31061, YB31062, YB31063, YB31064, YB31065, YB31066, YB31067, YB31068, YB31069, YB31070, YB31071, YB31072, YB31073, YB31074, YB31075, YB31076, YB31077, YB31078, YB31079, YB31080, YB31081, YB31082, YB31083, YB31084, YB31085, YB31086, YB31087, YB31088, YB31089, YB31090, YB31091, YB31092, YB31093, YB31094, YB31095, YB31096, YB31097, YB31098, YB31099, YB31100, YB31101, YB31102, YB31103, YB31104, YB31105, YB31106, YB31107, YB31108, YB31109, YB31110, YB31111, YB31112, YB31113, YB31114, YB31115, YB31116, YB31117, YB31118, YB31119, YB31120, YB31121, YB31122, YB31123, YB31124, YB31125, YB31126, YB31127, YB31128, YB31129, YB31130, YB31131, YB31132, YB31133, YB31134, YB31135, YB31136, YB31137, YB31138, YB31139, YB31140, YB31141, YB31142, YB31143, YB31144, YB31145, YB31146, YB31147, YB31148, YB31149, YB31150, YB31151, YB31152, YB31153, YB31154, YB31155, YB31156, YB31157, YB31158, YB31159, YB31160, YB31161, YB31162, YB31163, YB31164, YB31165, YB31166, YB31167, YB31168, YB31169, YB31170, YB31171, YB31172, YB31173, YB31174, YB31175, YB31176, YB31177, YB31178, YB31179, YB31180, YB31181, YB31182, YB31183, YB31184, YB31185, YB31186, YB31187, YB31188, YB31189, YB31190, YB31191, YB31192, YB31193, YB31194, YB31195, YB31196, YB31197, YB31198, YB31199, YB31200).



YA92860  
36  
2858  
4  
6

C A B E

C R E E K

AREA  
PROSPECTED

2500

115-1-10



N

R

A

N

G

E

4500

3500

4000

L38

3000

2000

S-14

L1010

O

N

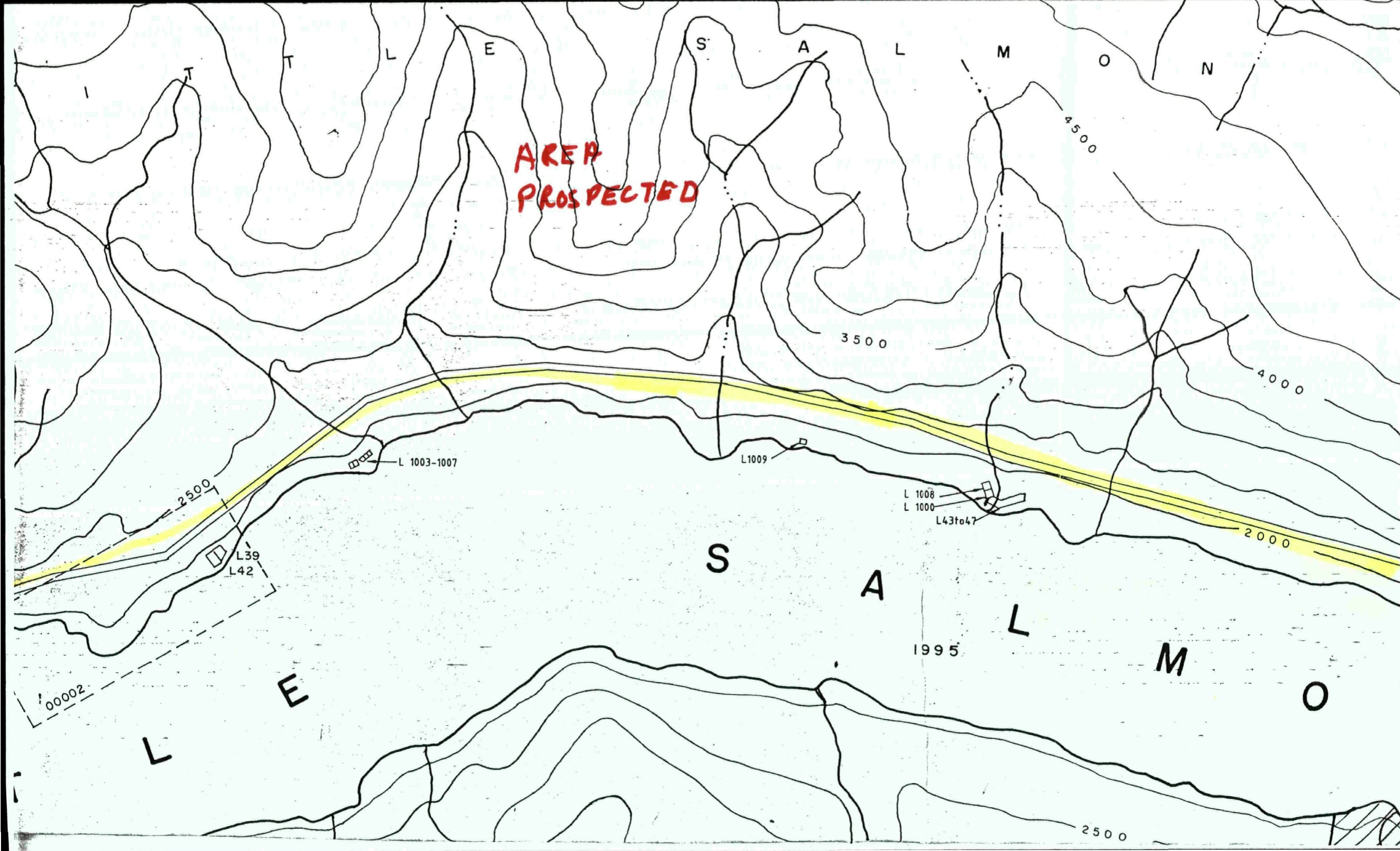
L

A

K

E

**AREA  
PROSPECTED**



• 5424



2000 00008

LOTS 52-57

LOT 33

LOT 15  
LOT 51

# LITTLE SALMON LAKE

ROBERT CAMPBELL HIGH

**AREA PROSPECTED**

2500

2000

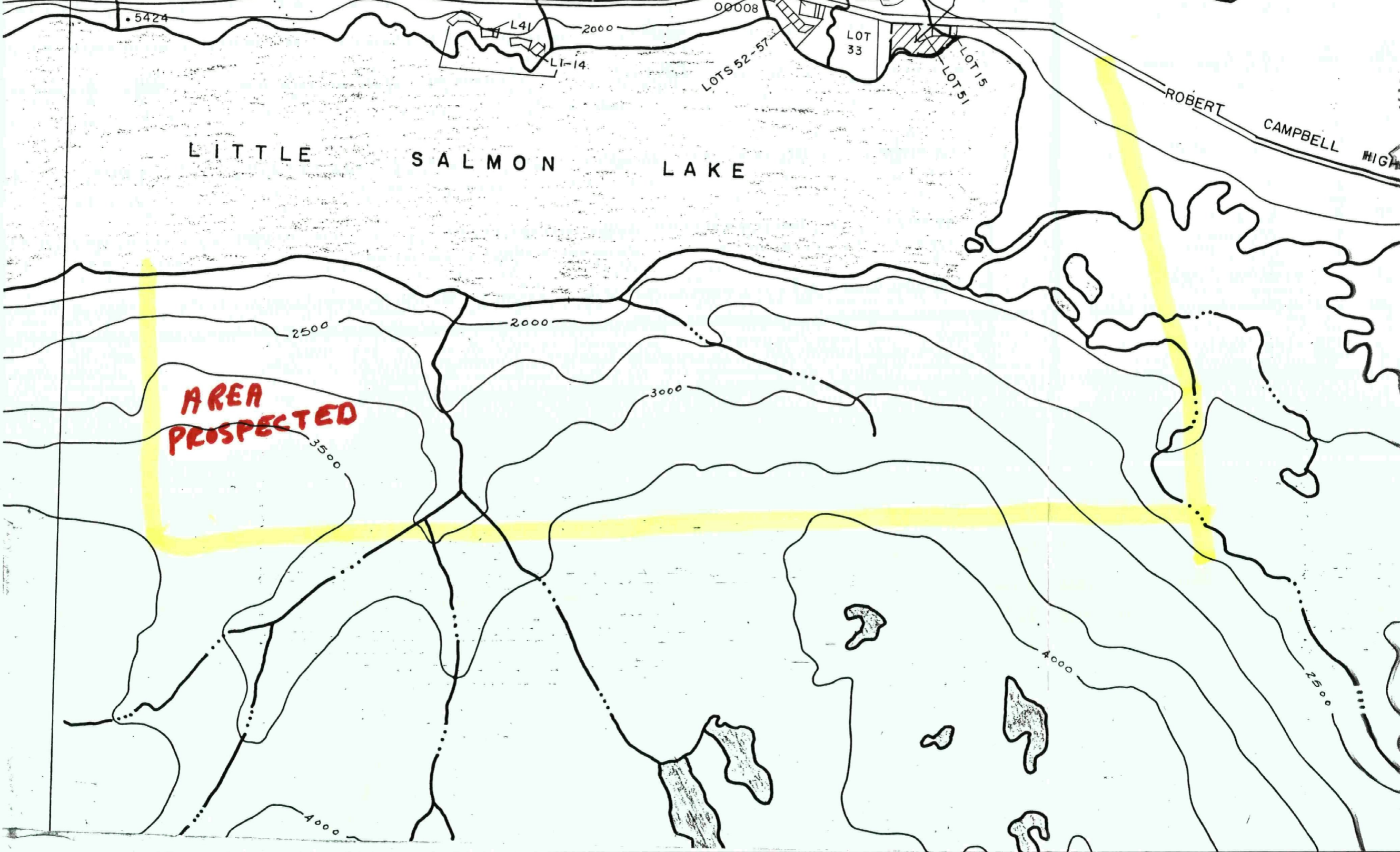
3000

3500

4000

2500

4000



62° 15'

134° 30'

**AREA  
PROSPECTED**

DRURY

S-16<sup>g</sup>

CREEK

LOTS 1008-1002  
LOT 40  
LOT 16

L.G.

S-15

LOT 33

LOT 15

3500

3000

2500

3000

3500

4000

5000

4000

3000

2500

2000

•5424

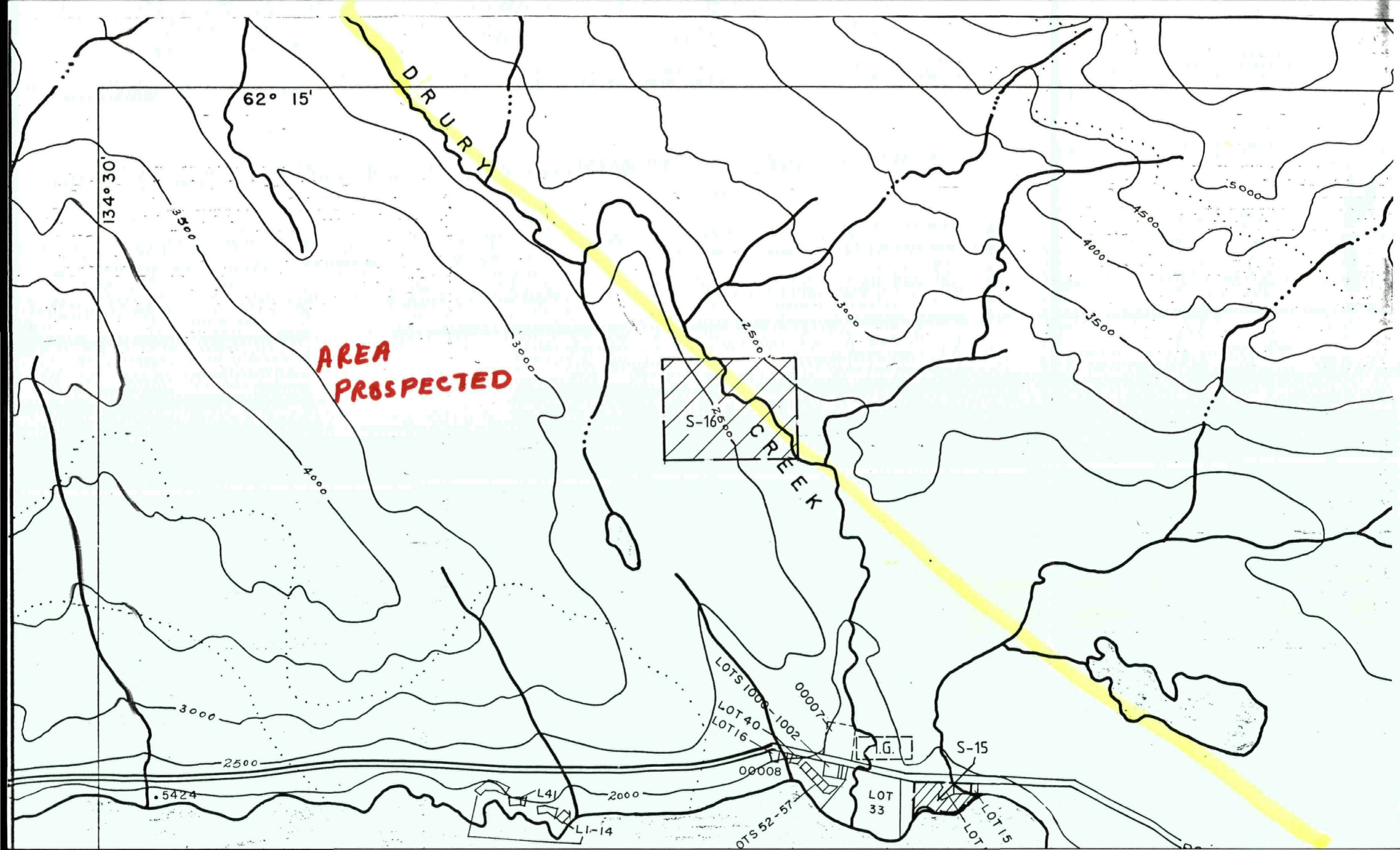
L41

L1-14

00008

00007

LOTS 52-57





**AREA  
PROSPECTED**

4500

3500

2500

00002

L 1003-1007

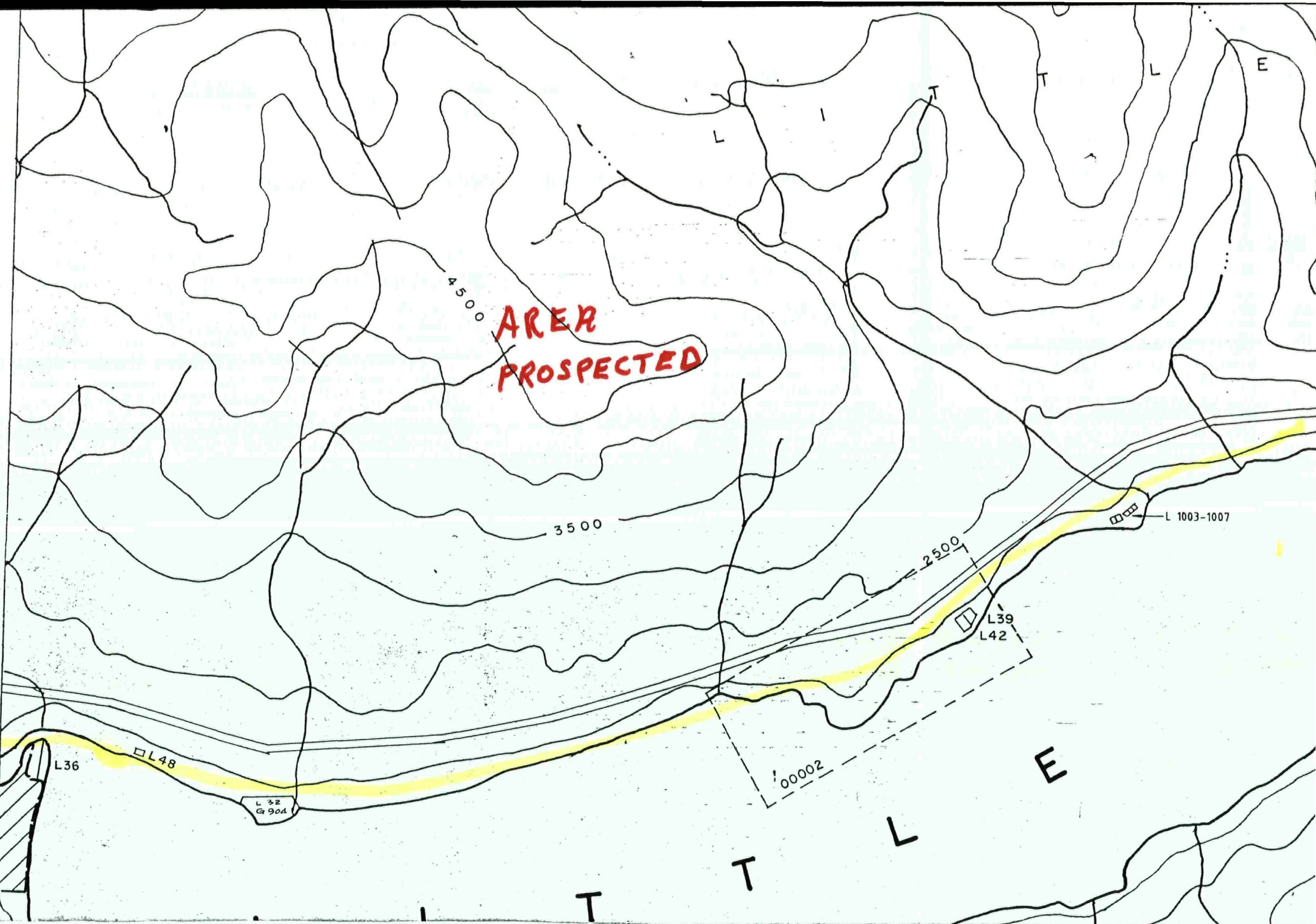
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L42

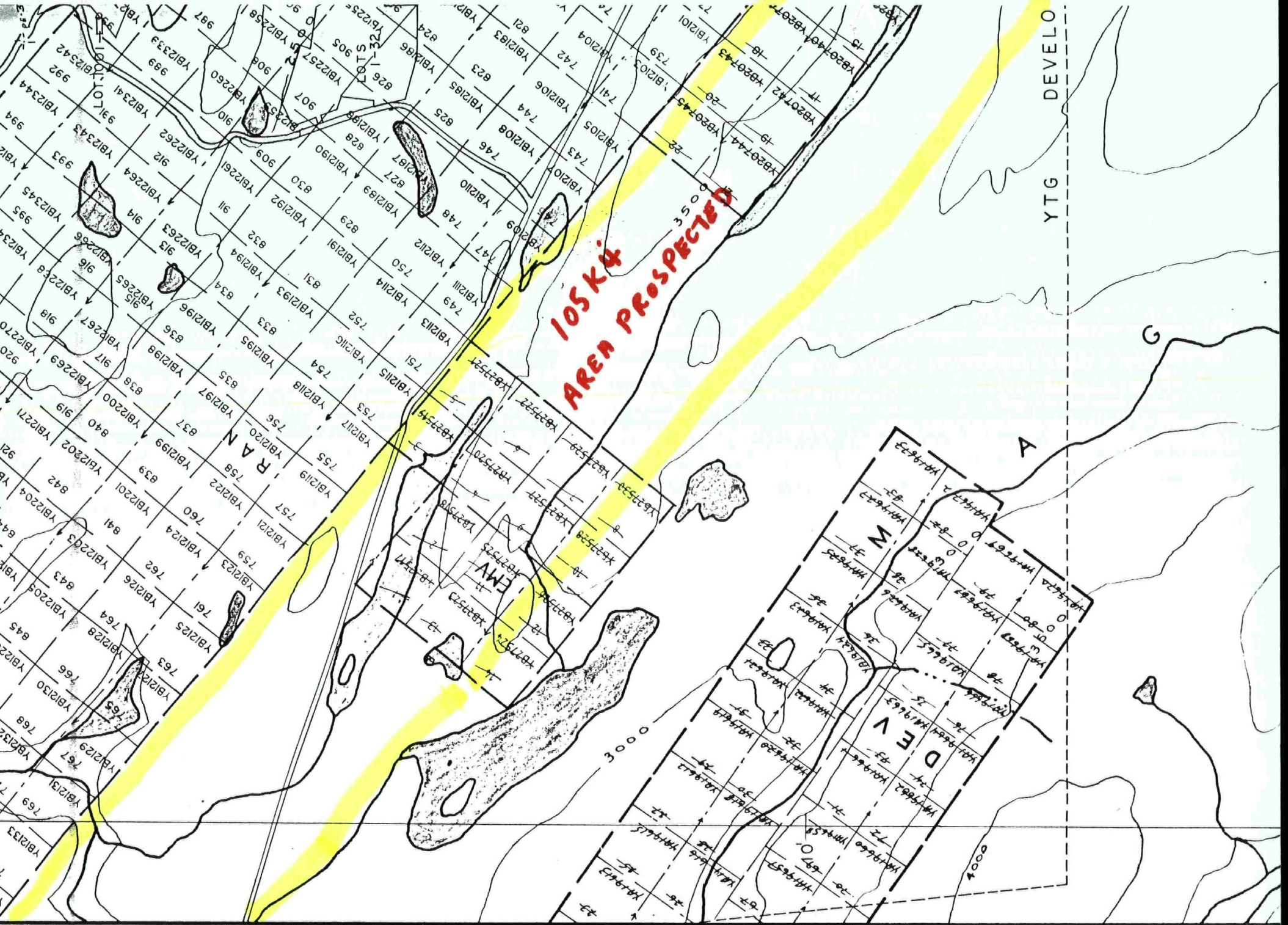
L48

L36

L 32  
G 904

S-80





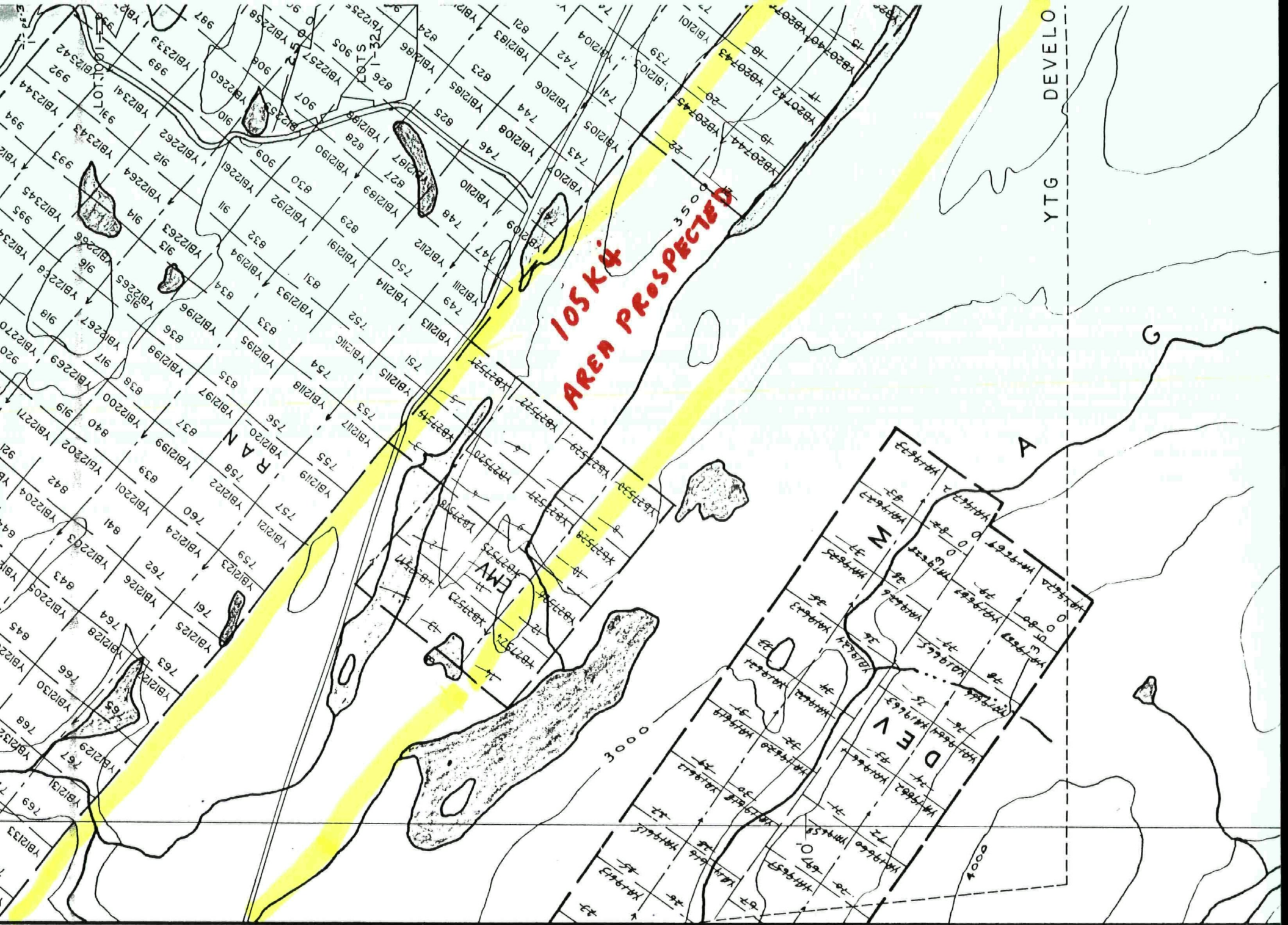
105K4:  
AREA PROSPECTED

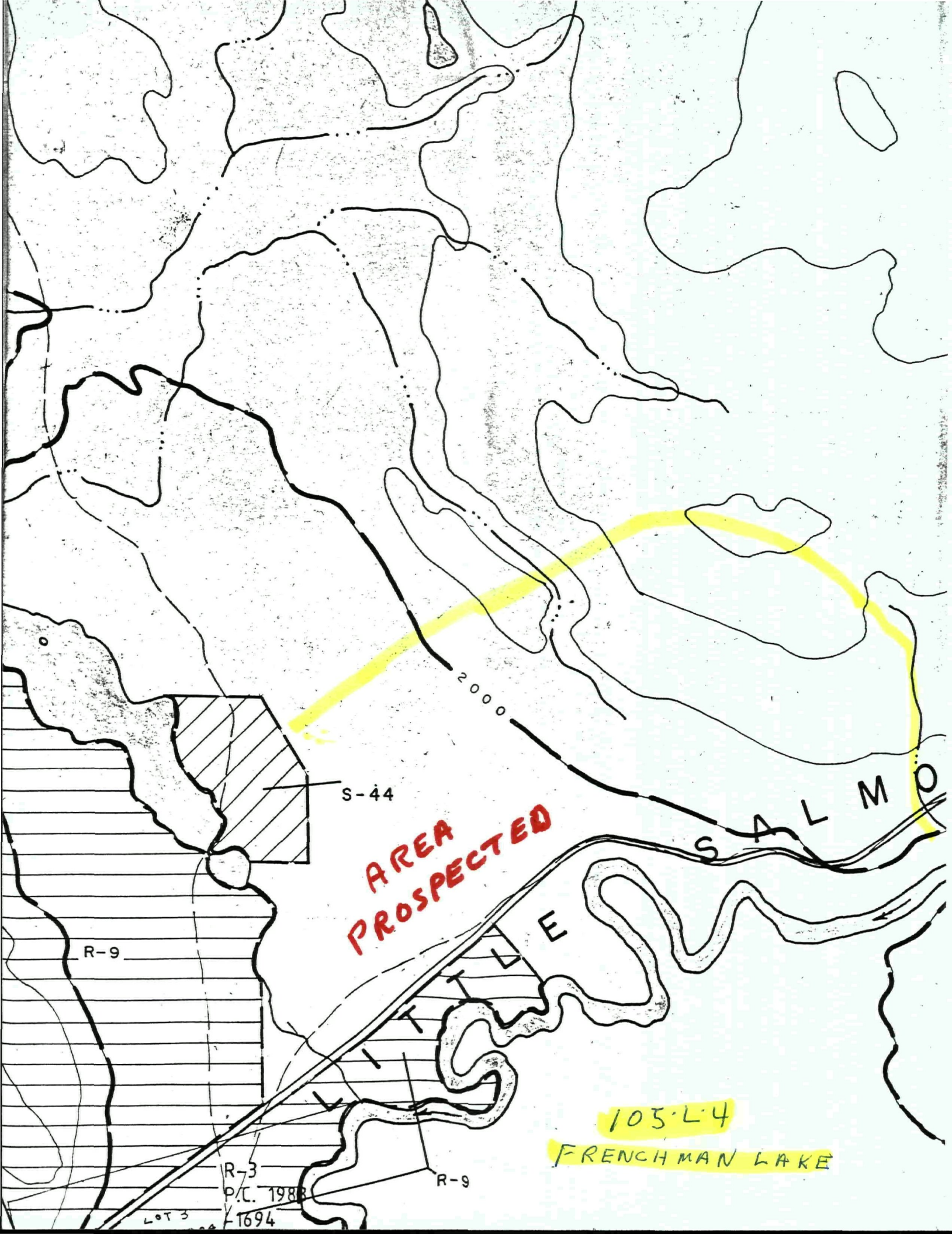
RAN

EMV

DEVELO

YTG DEVELO





AREA  
PROSPECTED

SALMO

LITTLE

R-9

S-44

R-9

R-3  
P.C. 1988

LOT 3

1694

105.L.4

FRENCHMAN LAKE

2000



SAMPLE#	No	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	Au**	Pt**	Pd**	Rh**	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppb	ppb	ppb	ppb	
13469 D-2	17	215	681	335	1.9	55	11	1191	2.35	10	5	ND	2	97	12.8	3	6	56	2.35	.026	4	56	.73	144	.01	4	.23	.01	.07	1	-	-	-	-
13469 FA-1	8	28	992	398	2.1	28	11	7563	11.89	22	5	ND	3	167	1.9	9	2	126	6.83	.096	7	38	2.19	221	.08	2	1.53	.16	.48	1	16	1	3	2
13469 LS-2	3	807	25	31	.4	300	336	558	14.91	199	5	ND	5	35	.2	2	4	7	1.52	.020	14	31	.09	13	.05	2	.34	.01	.03	1	16	1	9	1
RE 13469 LS-2	3	792	26	26	.6	299	338	510	14.65	200	5	ND	6	36	.2	2	2	6	1.72	.020	15	31	.08	12	.06	3	.33	.01	.03	1	15	1	12	2

Sample type: PULP. Samples beginning 'RE' are duplicate samples.  
 AU\*\* PT\*\* PD\*\* RH\*\* ANALYSIS BY FA & ICP/GRAPHITE FURNACE FROM 10g SAMPLE.



SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au**	Pt**	Pd**	Rh**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb	ppb	ppb	ppb
13469 D-2	17	215	681	335	1.9	55	11	1191	2.35	10	5	ND	2	97	12.8	3	6	56	2.35	.026	4	56	.73	144	.01	4	.23	.01	.07	1	199	-	-	-
13469 FA-1	8	28	992	398	2.1	28	11	7563	11.89	22	5	ND	3	167	1.9	9	2	126	6.83	.096	7	38	2.19	221	.08	2	1.53	.16	.48	1	16	1	3	2
13469 LS-2	3	807	25	31	.4	300	336	558	14.91	199	5	ND	5	35	.2	2	4	7	1.52	.020	14	31	.09	13	.05	2	.34	.01	.03	1	16	1	9	1
RE 13469 LS-2	3	792	26	26	.6	299	338	510	14.65	200	5	ND	6	36	.2	2	2	6	1.72	.020	15	31	.08	12	.04	3	.33	.01	.03	1	15	1	12	2

Sample type: PULP. Samples beginning 'RE' are duplicate samples.  
 AU\*\* PT\*\* PD\*\* RH\*\* ANALYSIS BY FA & ICP/GRAPHITE FURNACE FROM 10g SAMPLE.

October 22, 1991

Work Order # 13476

E Curly

Assay Certificate For Samples Provided

Sample #	Au ppb	Ag ppm
FA-5	7	0.7
FA-6	8	<0.1

Certified by Chyoki



October 23, 1991

Work Order # 13469

E Curly

Assay Certificate For Samples Provided

Sample #	Au ppb
D-1	196
D-2	9
D-3	8
D-4	22
M1N1	26

Certified by CHYOKKI

