

**FINAL REPORT SUMMER 1995**  
**PROSPECTING PROGRAM**

**at Marsh Lake  
in the Yukon Territory  
Whitehorse Sheet 105D  
Claim Sheets 105D-1,7,8**

**and**

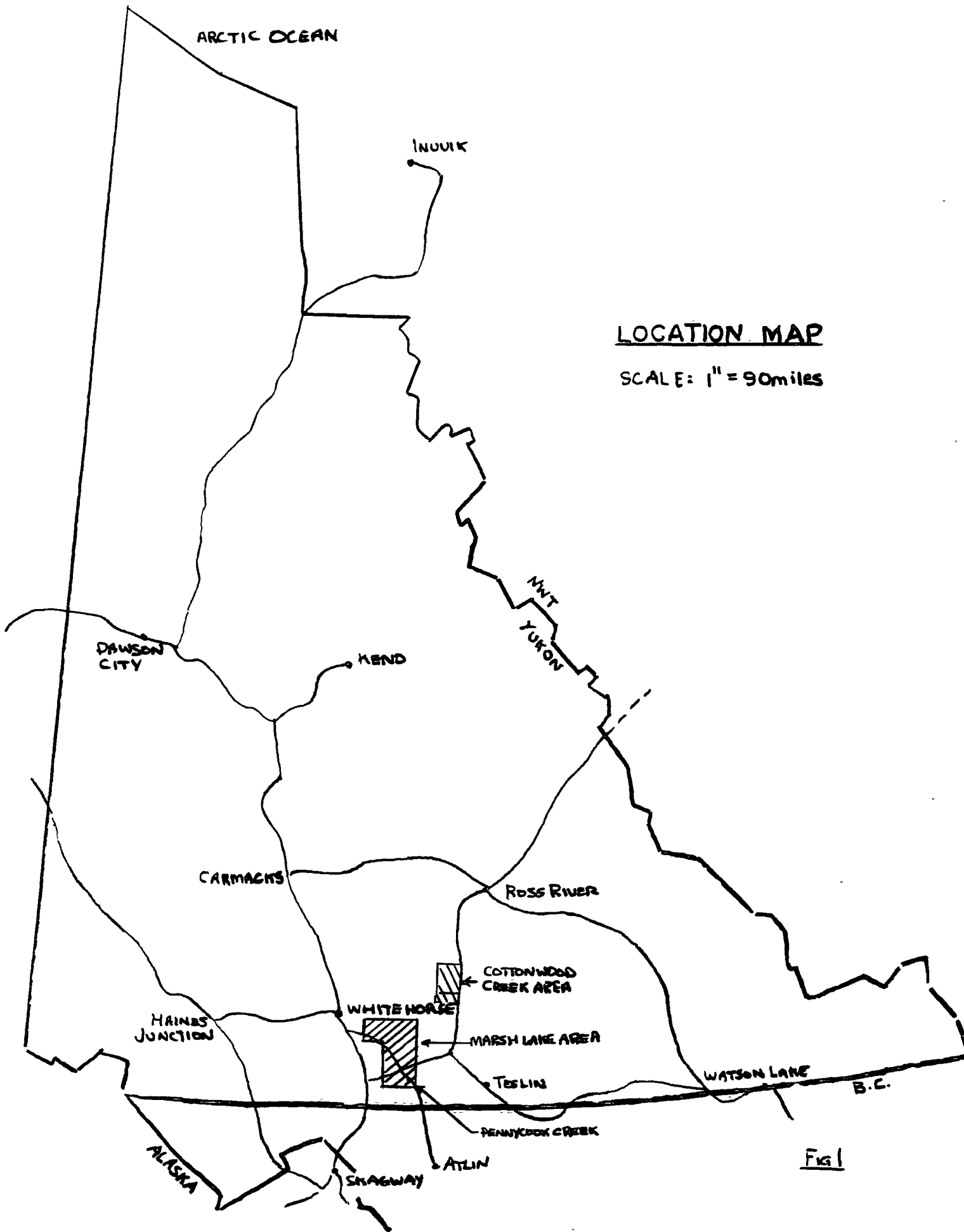
**on Cottonwood Creek, South Canol Road  
in the Yukon Territory  
Teslin Map Sheet 105C  
Claim Sheets 105C-14,15**

**submitted to**

**Yukon Mining Incentive Program  
Economic Development  
Government of the Yukon  
Box 2703  
Whitehorse, Yukon  
(95-064)**

**December 1995**

**by Joseph A. J. Clarke  
Marsh Lake, Yukon**



LOCATION MAP

SCALE: 1" = 90miles

Fig 1

## **Summary**

The summer prospecting was initially to be conducted in the Cottonwood Creek area of the South Canal Road (see map4). After a total of 9 days prospecting it was decided to switch the focus to the Marsh Lake area. Lack of access, extreme hot and dry weather, and a new interpretation of the Jake's Corner EM survey were factors. A total of 34 days were spent prospecting east of the Alaska Highway from Jake's Corner to M'Clintock River. The main goal was to find the source of the abundant listwanite float occurring in the area and to find a bedrock source of several EM conductors. Listwanite outcrop was found on the lapsed Mike claims which were re-staked as 8 new Mike claims. As well listwanite was found 2.5km to the SE which is being staked by the prospector now. Eight to twelve claims will be added to Uchi claims to cover this showing and four significant EM conductors occupying recessive gulleys. The Mike and Uchi claim groups will have a good chance to be worked up to the drilling stage in the future.

The prospector also investigated Pennycook Creek (see map3) located 2 miles SE of the Tagish bridge. The Mom discovery claim was staked after -20 mesh placer gold values of \$2-\$5/cubic yard. were found after several days testing. This would be enough to "grubstake" a prospector or might be sold to persons interested in hobby mining close to Whitehorse. Quartz and QFP float in the creek shows the source of gold must be the Jubilee showing to the SE. Further hardrock and placer prospecting will be done.

In conclusion the prospector has found several optionable properties, has gained a solid working knowledge of the area, can contribute to the geological database for future government mapping, and feels confident that several more showings will be found in the area. This would not have been possible without the financial and technical assistance of YMIP.

## **Geological Discussion**

The area under study at Marsh Lake (see enclosed maps) is essentially a "greenstone belt" similar in many ways those found in the Precambrian Shield. These rocks are of Permian to Triassic age and in the Cache Creek Terrane. Rock types in this group include serpentinitized peridotite, massive andesitic and basaltic greenstone with pillows, well-bedded ribbon or banded chert and "blue-grey" highly silicified tuff. The general strike ranges from 120-160 degrees azimuth with steep dips to the SE. Local small intrusions of fresh gabbro occur. Two fresh diabase dykes were seen. One cutting a gabbro and the other intruding a serpentinitized peridotite.

Several Cretaceous intrusions occur to the east of the Uchi claims resulting in hornfels to gneissic alteration in the Cache Creek volcanics. Some of the fresh gabbro and the diabase may be of this age. The contact zones are up to 400m wide.

Outcrops of the Stikinia Terrane consisting of the Labarge and Lewes River groups were not visited but outcrop to the east and west of the greenstone belt.

## **Uchi Claims**

Uchi 1-2 (see map1) were staked in March, 1995 to cover EM anomalies running through a small gully between two lakes 2km NE of the turnoff to the Lakeview Marina. Further staking of up to twelve claims is underway. This gully is 75m wide and muskeg filled. Outcrops to the east of the gully are intensely sheared andesites and cherts with 1-2% fine grained pyrite. ML-95-17 ran 29 ppb Au and 0.6 ppm Ag respectively. Shearing increases into the swamp. In places all sulphides appear to have been leached away. Smaller gullies likely representing shears strike perpendicular to the main gully but are overburden filled. A strong EM conductor runs right down the center of the gully and is currently being investigated by a hand shaft. Two other EM conductors are nearby. One conductor 400m to the east and is parallel to the main gully and another right angles near a small lake to the north. The eastern conductor may be reflected in a listwanite outcrop at sample ML-95-16 which showed no Au/Ag but 45 ppm tungsten. The northern crosscutting conductor may be reflected by intense shearing in mafics and cherts at ML-95-24. This sample reported <5 ppb Au but 0.3 ppm Ag.

It seems that all conductors are not exposed so trenching, shafting, and drilling will be required to test the EM conductors. Soil sampling is reported to be unreliable due to permafrost. However with the good EM conductors, structure, and geology as well as several anomalous assays the Uchi claim group may well be the best target in the area.

## **Mike Claims**

The Mike 1-8 (see map1,5) claims were staked in July of this year. This showing was discovered by Bill LeBarge in 1988 as the "Diamond Zone" while searching for listwanites between the Rossbank and Bug showings. G. A. Reynolds staked Mike 1-6 and filed assessment in June, 1991. In July of this year these claims came open so were re-staked by the prospector as Mike 1-6, with 7-8 added as well. These claims cover a listwanite unit with a possible strike length of 1000m. Width could be up to 1m as indicated by float found at the base of a talus slope. The listwanite occurs at the base of a small ridge ~40m high but is mostly covered by talus to a depth of up to 5m. Listwanite (and chrome mica alteration) was exposed in five areas along strike by hand trenching. The highest assay was 28 ppb Au and a 17.5 ppm Ag. Mr. Reynolds obtained an assay of 187 ppb Au in 1988.

The listwanite appears to have formed in a fault contact zone between mafic volcanics (the east hanging wall) and serpentinized peridotite to the west. Well banded chert forms a possible fold nose to the NW. A unit of "blue-grey tuff" is found at all listwanite exposures suggesting a layer of weakness for faulting. This tuff may be a sub-unit of the cherts. It grades from fresh silicified tuff to being chrome mica spotted with quartz filled micro fractures to a well brecciated listwanite containing both rounded and angular fragments.

Chrome mica spotting also occurs in the hanging wall volcanics adjacent to the listwanite where silicification and centimeter scale fracturing is present. A 0.5m diabase dyke cuts the ultra-mafics to the west. What significance this has is unknown but may be related to the nearby granitic intrusions due to its unaltered appearance.

A baseline has been cut on this showing and will be extended to cover the entire strike length of the listwanite. This will allow for detailed mapping next summer which is critical to proving up this showing. As well a backhoe must be brought in to excavate trenches in the talus along the base of the ridge.

This, with some blast trenching will allow for proper sampling. There is a good chance that high grade coarse gold may occur in the listwanite similar to the TOG showing at Squanga Lake. The prospector also believes a good detailed exploration program on the Mike property will provide knowledge that may be applied to other listwanite showings in the area, including the Uchi claim group.

### **Other Areas**

The prospector made several trips up Truck Trap Creek (see map1). These traverses crossed mostly massive mafic volcanics with samples ML-95-19-22 reported weakly anomalous Cu, Pb, and Zn values. Once again shearing, veining and mineralization increased just as the outcrop dipped into the swamps of the creek. Listwanite float was found in several places along the creek. Several weeks prospecting and mapping in the future may identify and turn up listwanites extending into the swamp.

The contact with the Cretaceous "syenite pegmatite" SW of Mt. Mitchie (see map1) was prospected. Cache Creek volcanics graded from hornfels alteration to intense migmatitic and gneissic folding as the contact was crossed. Actual pegmatites were not observed. Sample ML-95-26 ran 0.3 ppm Ag with trace Au. More work is required in this area.

A very interesting area (see map2) is the "swarm of shears" found to the NE of the Mike claims and SW of Caribou Lakes. Samples ML-95-7,8,41-43 ran 5 ppb Au. This area consists of steeply dipping mafic volcanics striking NW-SE. Shearing occurs across a 400-500m area of scattered outcrop. These moderated to intense shears are several meters wide, contain numerous <0.2m qtz veins and <2% Py. They are generally separated by 5-20m of unaltered massive volcanics. Several recessive gulleys occur which may be good targets for mesothermal or listwanite deposits. Several kilometers to the NW Greyling Creek flows down a gully in a fault cutting similar volcanics. Sample ML-95-6 ran 0.1 ppm Ag and 227 ppm Zn in sheared andesite with qtz and trace Py.

It is unfortunate that the best assays obtained during the field season were from in front of the Lakeview Marina. Two 0.3m wide shear zones with massive sulphides and quartz are separated

by 1m and strike ~30m. >1% Cu, Pb, Zn, >1 ppm Ag, and 157 ppb Au were obtained. As well small pods of Qtz with Py, Cp, and Pb occur very much similar to those found at the south end of the nearby Rossbank property. This showing demonstrate that the Marsh Lake fault system is capable of carrying mineralising fluids.

A very fresh gabbro (see map2) was found right along the Alaska Hwy. just south of the Army Beach dump. This was sheared perpendicular to the lake shore with a 1cm qtz vein with a parallel diabase dyke. Both the diabase and gabbro were extremely fresh indicating a possible Cretaceous age. Up to 5% Py was disseminated in the gabbro and the diabase. Samples ML-95-31-35 were taken here giving >1 ppm Ag and up to 20 ppb Au. Further work will follow this up in the spring. The gabbro contact with the Cache Creek volcanics was not found but should be near a small recessive to the NW.

One unit found within the Cache Creek volcanics may prove to be an interesting marker horizon. This is the "blue-grey" tuff. It was found from the Mike and Uchi claims, south of Judas Creek, and just to the west of Jake's Corner. In all cases it is similar in appearance and contains up to 2% Py as fine disseminated silver needles and is highly silicified. It also seemed to be conformable with the adjacent volcanics usually found to the east.

The prospector believes that within the Cache creek group the banded cherts were deposited first followed by a quiescent period. The blue-grey tuff was then deposited over a vast area just prior to a period of sub-aqueous mafic flows and local deformation. The later formation of the Marsh Lake fault must have been extremely rapid and the result of a great build up of energy similar to that of the Cascade subduction zone today. Perhaps the blue-grey tuff was the zone of weakness for the formation of oblique faults and shears resulting in ultramafic emplacement and listwanite formation. Later remobilization of metals must have occurred on and off up until Tertiary times.

### **Cottonwood Creek**

Several traverses were made at Iron Creek (see map4) and the south end of Quiet Lake. Three samples were taken and assayed for Au+30 element ICP. Results were encouraging and a more work will be conducted next year. The main targets will be small high grade Au or Ag deposits that may be found in the metamorphosed sediments of the Big Salmon Complex near granitic Coast Intrusions. These rocks strike parallel to Sydney Creek and are steeply dipping to the south. These sediments contain thin beds of limestone. They are well exposed in Iron Creek and two small creek gulches entering the north side of Sydney Creek 5 miles from the Canol Road. Sample CC-95-01 ran 0.4 ppm Ag and 294 ppm Zn. Soil sampling may be useful but the terrain is very swampy with abundant willows.



ALASKA HWY

MIKE CLAIMS GEOLOGY MAPS.

SUMMER 1995 PROSPECTING REPORT  
(95-064)

1:500



7

8

6

3

5

1

2

ML 39

ML 48

ML 50

ML 10, 11, 45, 46

ML 47

ML 9

ML 12

ML 49

ANAKISE

TRAIL

5

LISWANITE

SERPENTINE

BASALT CHERT  
BLUE GREY TUFF

MAFIC VOLCANICS

Days in Field Summer 1995

Date =

June	3	1	CC	
June	4	1	CC	
June	5	1	CC	
June	6	1	CC	
June	7	1	CC	
June	21	1	CC	
June	22	1	CC	
June	23	1	CC	
June	24	1	CC	
		<b>9</b>		<b>9</b>

June	27	1	ML	
June	28	1	ML	
June	29	1	ML	
June	30	1	ML	

July	7	1	ML	
July	8	1	ML	
July 9,10,11	12	1	ML	
July	12	1	ML	
July	13	0.5	ML	
July	14	1	ML	
July	19	1	ML	
		<b>10.5</b>		<b>10.5</b>

July	24	0.5		
	26	0.5		

Aug	5	1		
Aug	6	0.5		
Aug	7	1		
Aug	16	1		
Aug	17	1		
Aug	19	1		
Aug	20	0.5		
Aug	24	0.5		
Sept	2	0.5		
Sept	5	0.5		
Sept	8	1		
Sept	12	1		
Sept	13	1		
Sept	14	1		
Sept	16	1		
Sept	17	0.5		

14/07/95

Assay Certificate

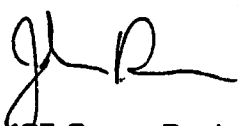
Page 1

Joseph Clarke

WO#27970

Sample #	Au ppb
ML95-00 1	<5
ML95-00 2	<5
ML95-00 3	<5
ML95-00 4	<5
ML95-00 5	<5
ML95-00 6	<5
ML95-00 7	<5
ML95-00 8	<5
CL95-00 1	<5
CL95-00 2	<5
CL95-00 3	<5

Certified by



23/10/95

Assay Certificate

Page 1

Joseph Clarke

WO#15403

Sample #	Au ppb
ML 95 009	19
ML 95 010	10
ML 95 011	14
ML 95 012	<5
ML 95 013	<5
ML 95 014	<5
ML 95 015	10
ML 95 016	<5
ML 95 017	29
ML 95 018	<5
ML 95 019	<5
ML 95 020	5
ML 95 021	<5
ML 95 022	<5
ML 95 023	<5
ML 95 024	<5
ML 95 025	<5

Certified by



30/10/95

Assay Certificate

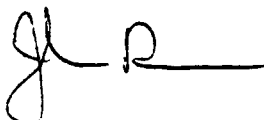
Page 1

Joseph Clark

WO#15465

Sample #	Au ppb
ML-95-26	<5
ML-95-27	<5
ML-95-28	<5
ML-95-29	<5
ML-95-30	<5
ML-95-31	12
ML-95-32	20
ML-95-33	8
ML-95-34	<5
ML-95-35	5
ML-95-36	13
ML-95-37	5
ML-95-38	164
ML-95-39	17
ML-95-40	5

Certified by



09/11/95

Assay Certificate

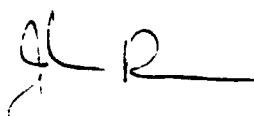
Page 1

Joseph Clarke

WO#15486

Sample #	Au ppb
ML-95-41	6
ML-95-42	5
ML-95-43	5
ML-95-44	18
ML-95-45	7
ML-95-46	17
ML-95-47	6
ML-95-48	<5
ML-95-48-B 49	<5
ML-95-50	28

Certified by

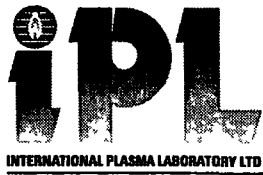


		<b>14</b>		<b>14</b>
Oct	4	1		
Oct	6	1		
Oct	12	1		
Oct	14	0.5		
Oct	15	0.5		
Oct	16	0.5		
Oct	19	1		
Oct	24	1		
Oct	27	1		
Oct	28	1		
Nov	2	1		
		9.5		9.5

<b>Total Days</b>	<b>43</b>	<b>\$2,322.00</b>	<b>Days</b>
		<b>\$1,100.00</b>	<b>Assay</b>
500km		\$200.00	CC Truck
680km		\$272.00	ML Truck
300/month 43 days		\$430.00	GPS
		\$179.17	Flags/Bags
		\$61.63	Saw etc.
<b><u>Total</u></b>		<b><u>\$4,565</u></b>	







# CERTIFICATE OF ANALYSIS

## iPL 95J2412

2036 Columbia Street  
Vancouver, B C  
Canada V5Y 3E1  
Phone (604) 879-7878  
Fax (604) 879-7898

Client: Northern Analytical Laboratories  
Project: 15465 15 Pulp

iPL: 95J2412

Out: Nov 01, 1995  
In: Oct 24, 1995

Page 1 of 1  
[092318:03:29:59110195]

Section 1 of 1  
Certified BC Assayer: David Chiu

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
ML-95 26	0.3	66	5	40	10	5	<	3	<	<	<	12	30	79	<	100	64	261	2	9	<	1	0.14	0.97	0.61	1.92	0.53	0.08	0.04	0.05
ML-95 27	0.9	129	10	91	34	<	<	3	<	<	<	41	56	113	<	31	172	771	2	15	9	7	0.15	4.10	2.21	6.08	3.50	0.02	0.03	0.07
ML-95 28	1.1	95	4	68	27	<	<	3	<	<	<	29	81	247	<	176	158	1033	<	296	6	11	0.15	2.80	1.17	4.79	3.41	0.03	0.02	0.03
ML-95 29	0.6	45	<	61	25	<	<	3	<	<	<	29	67	57	<	152	181	846	<	179	2	16	0.09	2.49	5.64	4.85	2.60	0.08	0.03	0.04
ML-95 30	0.8	48	3	66	22	<	<	3	<	<	<	31	71	61	<	187	178	955	<	182	2	17	0.04	3.10	6.56	5.25	3.08	0.09	0.02	0.04
ML-95 31	1.1	35	80	88	68	12	<	2	<	<	0.3	13	20	166	<	43	55	457	7	61	4	1	0.07	1.22	1.57	2.55	0.99	0.17	0.06	0.09
ML-95 32	0.9	120	17	88	35	<	<	4	<	<	0.1	25	12	389	<	12	30	1368	11	340	5	8	<	0.39	7.31	4.58	1.49	0.16	0.01	0.13
ML-95 33	1.3	610	9	68	22	<	<	4	<	<	<	27	12	288	<	11	54	1318	13	270	3	11	0.02	0.85	6.68	4.64	1.35	0.26	0.02	0.14
ML-95 34	0.8	122	5	84	20	<	<	3	<	<	<	29	11	153	<	19	102	1180	13	153	3	8	0.01	1.70	4.60	5.59	1.91	0.10	0.02	0.16
ML-95 35	0.7	114	7	69	14	<	<	3	<	<	<	26	13	346	<	25	126	940	13	217	4	10	0.07	1.72	5.17	4.73	1.94	0.27	0.03	0.13
ML-95 36	1.3	1155	9	1325	11	<	<	9	<	<	3.9	23	36	3	<	108	65	660	<	16	4	2	0.08	1.33	0.33	4.35	1.66	0.01	0.02	0.01
ML-95 37	0.7	148	2	1337	20	<	<	3	<	<	2.8	33	67	<	<	157	122	1261	<	13	6	5	0.13	2.11	0.90	5.73	2.76	0.01	0.02	0.03
ML-95 38	0.9	711	4	4117	9	<	<	2	<	<	16.9	14	20	5	<	92	39	642	<	6	2	2	0.05	0.71	5.20	2.62	0.95	0.01	0.01	0.01
ML-95 39	0.4	100	<	87	24	<	<	4	<	<	<	26	29	73	<	34	70	1060	<	301	1	15	<	0.30	5.72	5.20	2.66	0.08	0.02	0.17
ML-95 40	0.6	13	<	17	243	47	<	4	<	<	0.9	60	0.1%	29	<	706	35	704	<	157	<	6	<	0.51	5.46	3.54	11%	0.03	0.01	0.01

Min Limit    0.1    1    2    1    5    5    3    1    10    2    0.1    1    1    2    5    1    2    1    2    1    1    1    0.01    0.01    0.01    0.01    0.01    0.01    0.01    0.01    0.01

Max Reported\*    99.9    20000    20000    20000    9999    9999    9999    9999    9999    9999    9999    9999    9999    9999    9999    9999    9999    9999    9999    9999    9999    9999    9999    1.00    9.99    9.99    9.99    9.99    9.99    9.99    5.00    5.00

Method    ICP

—No Test    Ins=Insufficient Sample    S=Soil    R=Rock    C=Core    L=Silt    P=Pulp    U=Undefined    m=Estimate/1000    %=Estimate %    Max=No Estimate

International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898



# CERTIFICATE OF ANALYSIS

## iPL 95K1013

2036 Columbia Street  
 Vancouver, B.C.  
 Canada V5Y 3E1  
 Phone (604) 879-7878  
 Fax (604) 879-7898

Client: Northern Analytical Laboratories  
 Project: 15486 10 Pulp

iPL: 95K1013

Out: Nov 16, 1995  
 In: Nov 10, 1995

Page 1 of 1  
 [101918:10:15:59111695]

Section 1 of 1  
 Certified BC Assayer: David Chiu

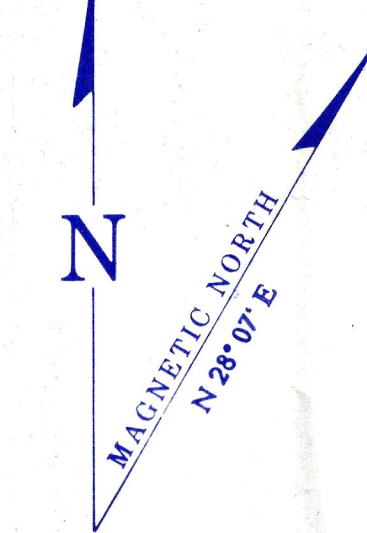
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ML 95 41	<	57	7	60	47	23	4	2	<	<	0.3	58	620	27	<	1296	155	1222	<	271	1	30	<	4.77	4.05	5.25	11%	0.01	0.01	0.02
ML 95 42	<	69	7	54	8	<	<	6	<	<	0.1	12	40	162	<	145	29	285	4	21	4	4	0.07	0.66	0.47	1.78	0.64	0.13	0.02	0.03
ML 95 43	<	67	7	49	9	<	<	3	<	<	0.7	21	39	216	<	93	61	635	2	21	2	2	0.19	0.90	0.67	2.62	0.95	0.18	0.03	0.05
ML 95 44	<	149	<	89	67	24	<	2	<	<	1.0	47	65	115	<	77	68	1328	2	86	2	33	<	0.75	6.29	7.39	2.94	0.26	0.01	0.06
ML 95 45	<	11	2	29	376	11	4	3	<	<	0.8	26	347	34	<	171	29	763	<	613	1	8	<	0.15	9.49	3.10	5.40	0.06	0.01	<
ML 95 46	<	16	5	38	468	25	<	4	<	<	1.1	50	884	27	<	552	37	559	<	327	1	8	<	0.59	3.46	3.75	12%	0.04	0.01	<
ML 95 47	<	3	3	17	266	18	<	4	<	<	0.8	43	939	16	<	208	11	1075	<	277	1	3	<	0.06	3.79	3.11	14%	<	0.01	0.01
ML 95 48	<	51	<	27	16	5	<	3	<	<	<	8	45	1844	<	235	14	1882	3	17	1	1	<	0.29	0.17	0.79	0.25	0.04	0.01	0.01
ML 95 48B	<	110	8	99	21	<	<	2	<	<	<	36	44	39	<	59	213	520	5	94	9	8	0.28	2.63	2.52	5.14	1.88	0.10	0.07	0.34
ML 95 50	<	92	<	53	60	12	<	2	<	<	0.6	35	72	111	<	116	60	947	<	140	3	23	0.05	0.91	6.10	5.10	3.56	0.16	0.03	0.02

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01  
 Max Reported\* 99.9 20000 20000 20000 9999 9999 9999 9999 999 999 99.9 999 999 9999 999 9999 999 9999 9999 9999 9999 999 99 1.00 9.99 9.99 9.99 9.99 9.99 9.99 5.00 5.00  
 Method ICP  
 ---No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate  
 International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898

PROSPECTORS CLAIMS  
 EM CONDUCTOR  
 TRAVERSE

- LIST WHATIFE (FLUAT)
- EM CONDUCTOR ZONE (EM CONDUCTEUR)
- CHERTS CACHE CREEK (CHERTS CACHE CREEK)
- SEPTENTRION (SEPTENTRION)
- CACHE CREEK (CACHE CREEK)

95-064  
**MAP 1**  
**105D-8**  
**QUARTZ & PLACER**  
 LATITUDE 60° 15' TO 60° 30'  
 LONGITUDE 134° 00' TO 134° 30'  
 ISSUED UNDER THE AUTHORITY OF THE MINISTER  
 INDIAN AFFAIRS AND NORTHERN DEVELOPMENT  
 SCALE 1:50,000  
 METRES 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000  
 FEET 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000  
 TO ACCOMPANY SUMMER 1995 FINAL PROSPECTING REPORT (95-064)

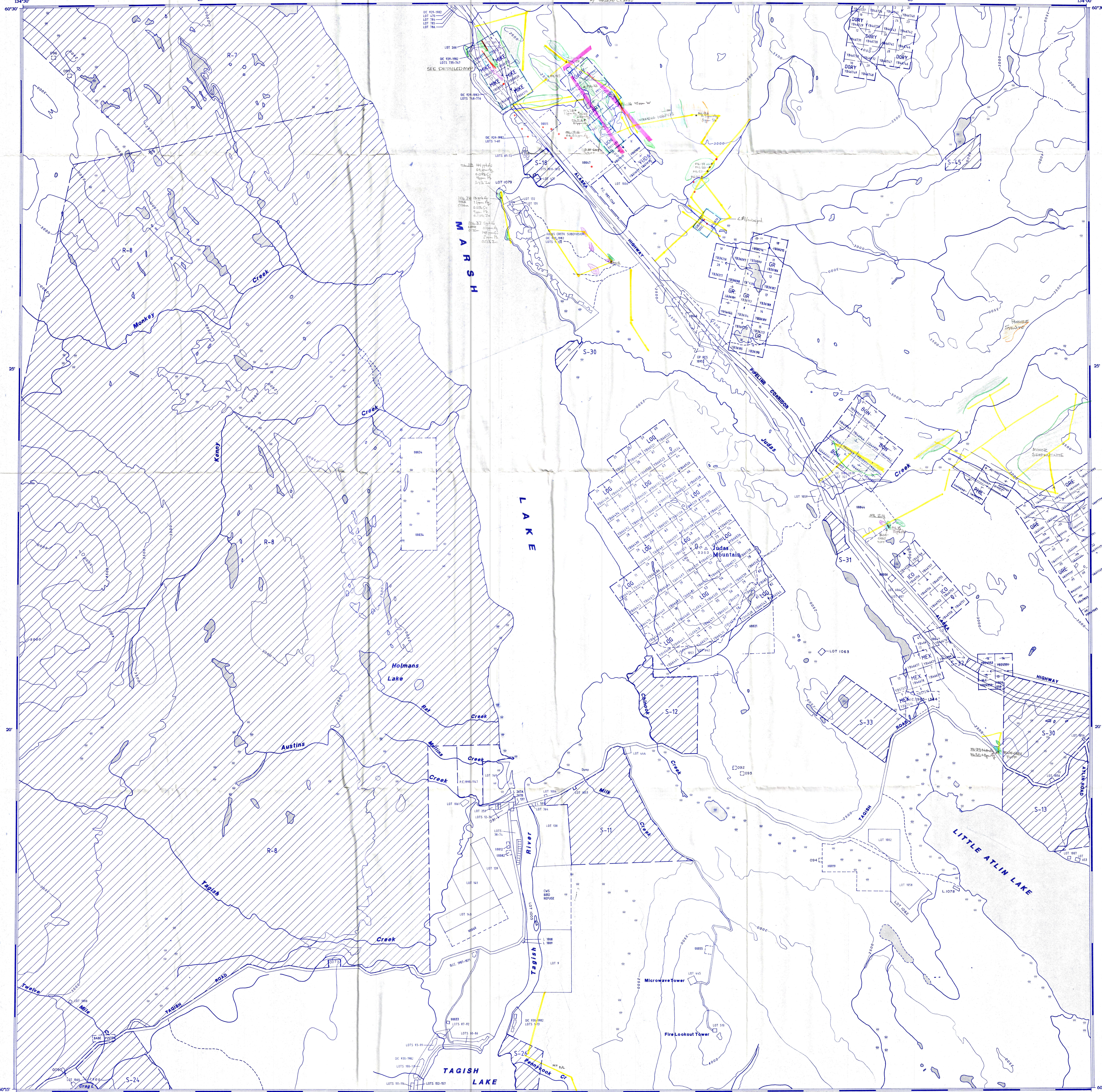


**NOTE:**  
 THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, INACCURACIES OR OMISSIONS WHATSOEVER.  
 TOPOGRAPHY COMPILED FROM 1:50,000 NATIONAL TOPOGRAPHIC SERIES.  
 CONTOUR INTERVAL 500 FEET.  
 SURVEY INFORMATION COMPILED FROM LEGAL SURVEYS, BY DRAFTING SERVICES.

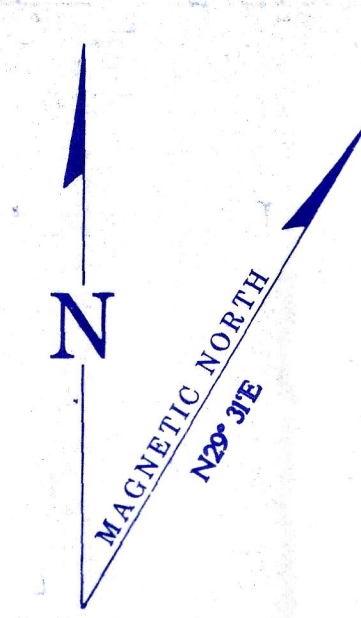
105D-10	105D-9	105C-12
105D-7	105D-8	105C-5
105D-2	105D-1	105C-4

Canada

WHITEHORSE JULY 25 1991



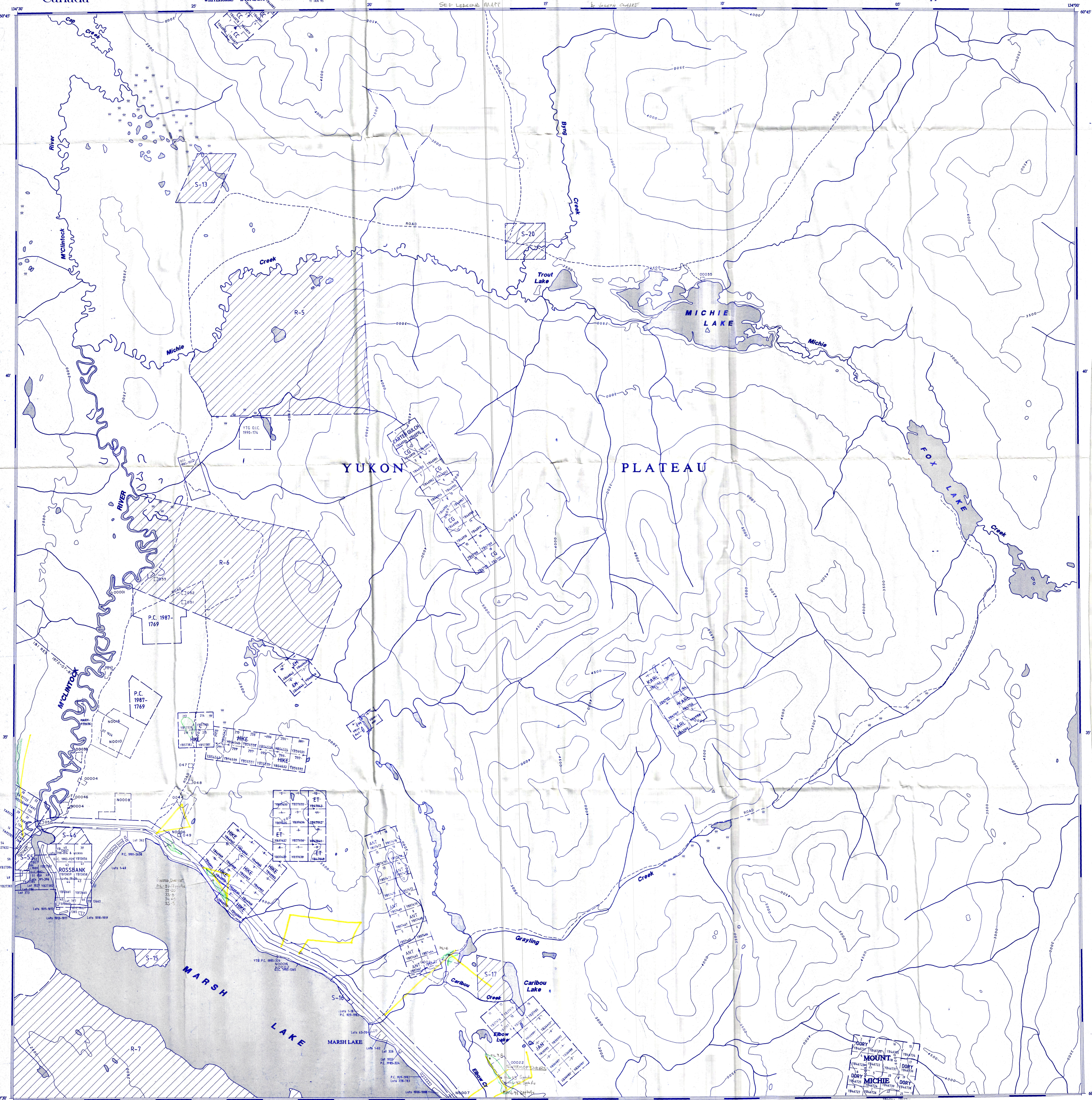
MAP 2  
 95-064  
**105D-9**  
**QUARTZ & PLACER**  
 LATITUDE 60°30' TO 60°45'  
 LONGITUDE 134°00' TO 134°30'  
 ISSUED UNDER THE AUTHORITY OF THE MINISTER  
 OF  
 INDIAN AFFAIRS AND NORTHERN DEVELOPMENT  
 SCALE 1:30,000  
 METRES 0 1000 2000 3000 4000 5000 6000 7000 8000 9000  
 FEET 0 1500 3000 4500 6000 7500 9000 10500  
 TO ACCOMPANY SUMMER 1995 FINAL PROSPECTING REPORT  
 (95-064)



**NOTE:**  
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 AND NORTHERN DEVELOPMENT WILL ACCEPT NO  
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 OR OMISSIONS WHATSOEVER.  
 TOPOGRAPHY COMPILED FROM 1:50,000  
 NATIONAL TOPOGRAPHIC SERIES.  
 CONTOUR INTERVAL 500 FEET.  
 SURVEY INFORMATION COMPILED FROM  
 LEGAL SURVEYS, BY DRAFTING SERVICES.  
 Note: Entry on certain lands is withdrawn from staking  
 in cross-hatched areas to facilitate the settlement  
 of Native Land Claims without prejudice to Existing  
 Surface and Subsurface Rights.

105D-15	105D-16	105C-13
105D-10	105D-9	105C-12
105D-7	105D-8	105C-5

Canada





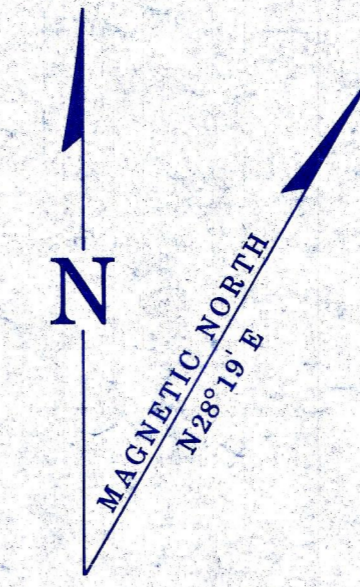
MAP 4

14 JAN 85	28 AUG 85
15 FEB 85	29 SEP 85
16 MAR 85	30 OCT 85
17 APR 85	31 NOV 85
18 MAY 85	01 DEC 85
19 JUN 85	02 JAN 86
20 JUL 85	03 FEB 86
21 AUG 85	04 MAR 86
22 SEP 85	05 APR 86
23 OCT 85	06 MAY 86
24 NOV 85	07 JUN 86
25 DEC 85	08 JUL 86
26 JAN 86	09 AUG 86
27 FEB 86	10 SEP 86
28 MAR 86	11 OCT 86
29 APR 86	12 NOV 86
30 MAY 86	13 DEC 86
31 JUN 86	14 JAN 87
01 JUL 86	15 FEB 87
02 AUG 86	16 MAR 87
03 SEP 86	17 APR 87
04 OCT 86	18 MAY 87
05 NOV 86	19 JUN 87
06 DEC 86	20 JUL 87
07 JAN 87	21 AUG 87
08 FEB 87	22 SEP 87
09 MAR 87	23 OCT 87
10 APR 87	24 NOV 87
11 MAY 87	25 DEC 87
12 JUN 87	26 JAN 88
13 JUL 87	27 FEB 88
14 AUG 87	28 MAR 88
15 SEP 87	29 APR 88
16 OCT 87	30 MAY 88
17 NOV 87	31 JUN 88
18 DEC 87	01 JUL 88
19 JAN 88	02 AUG 88
20 FEB 88	03 SEP 88
21 MAR 88	04 OCT 88
22 APR 88	05 NOV 88
23 MAY 88	06 DEC 88
24 JUN 88	07 JAN 89
25 JUL 88	08 FEB 89
26 AUG 88	09 MAR 89
27 SEP 88	10 APR 89
28 OCT 88	11 MAY 89
29 NOV 88	12 JUN 89
30 DEC 88	13 JUL 89
31 JAN 89	14 AUG 89
01 FEB 89	15 SEP 89
02 MAR 89	16 OCT 89
03 APR 89	17 NOV 89
04 MAY 89	18 DEC 89
05 JUN 89	19 JAN 90
06 JUL 89	20 FEB 90
07 AUG 89	21 MAR 90
08 SEP 89	22 APR 90
09 OCT 89	23 MAY 90
10 NOV 89	24 JUN 90
11 DEC 89	25 JUL 90
12 JAN 90	26 AUG 90
13 FEB 90	27 SEP 90
14 MAR 90	28 OCT 90
15 APR 90	29 NOV 90
16 MAY 90	30 DEC 90
17 JUN 90	31 JAN 91
18 JUL 90	01 FEB 91
19 AUG 90	02 MAR 91
20 SEP 90	03 APR 91
21 OCT 90	04 MAY 91
22 NOV 90	05 JUN 91
23 DEC 90	06 JUL 91
24 JAN 91	07 AUG 91
25 FEB 91	08 SEP 91
26 MAR 91	09 OCT 91
27 APR 91	10 NOV 91
28 MAY 91	11 DEC 91
29 JUN 91	12 JAN 92
30 JUL 91	13 FEB 92
31 AUG 91	14 MAR 92
01 SEP 91	15 APR 92
02 OCT 91	16 MAY 92
03 NOV 91	17 JUN 92
04 DEC 91	18 JUL 92
05 JAN 92	19 AUG 92
06 FEB 92	20 SEP 92
07 MAR 92	21 OCT 92
08 APR 92	22 NOV 92
09 MAY 92	23 DEC 92
10 JUN 92	24 JAN 93
11 JUL 92	25 FEB 93
12 AUG 92	26 MAR 93
13 SEP 92	27 APR 93
14 OCT 92	28 MAY 93
15 NOV 92	29 JUN 93
16 DEC 92	30 JUL 93
17 JAN 93	31 AUG 93
18 FEB 93	01 SEP 93
19 MAR 93	02 OCT 93
20 APR 93	03 NOV 93
21 MAY 93	04 DEC 93
22 JUN 93	05 JAN 94
23 JUL 93	06 FEB 94
24 AUG 93	07 MAR 94
25 SEP 93	08 APR 94
26 OCT 93	09 MAY 94
27 NOV 93	10 JUN 94
28 DEC 93	11 JUL 94
29 JAN 94	12 AUG 94
30 FEB 94	13 SEP 94
31 MAR 94	14 OCT 94
01 APR 94	15 NOV 94
02 MAY 94	16 DEC 94
03 JUN 94	17 JAN 95
04 JUL 94	18 FEB 95
05 AUG 94	19 MAR 95
06 SEP 94	20 APR 95
07 OCT 94	21 MAY 95
08 NOV 94	22 JUN 95
09 DEC 94	23 JUL 95
10 JAN 95	24 AUG 95
11 FEB 95	25 SEP 95
12 MAR 95	26 OCT 95
13 APR 95	27 NOV 95
14 MAY 95	28 DEC 95
15 JUN 95	29 JAN 96
16 JUL 95	30 FEB 96
17 AUG 95	01 MAR 96
18 SEP 95	02 APR 96
19 OCT 95	03 MAY 96
20 NOV 95	04 JUN 96
21 DEC 95	05 JUL 96
22 JAN 96	06 AUG 96
23 FEB 96	07 SEP 96
24 MAR 96	08 OCT 96
25 APR 96	09 NOV 96
26 MAY 96	10 DEC 96
27 JUN 96	11 JAN 97
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29 AUG 96	13 MAR 97
30 SEP 96	14 APR 97
01 OCT 96	15 MAY 97
02 NOV 96	16 JUN 97
03 DEC 96	17 JUL 97
04 JAN 97	18 AUG 97
05 FEB 97	19 SEP 97
06 MAR 97	20 OCT 97
07 APR 97	21 NOV 97
08 MAY 97	22 DEC 97
09 JUN 97	23 JAN 98
10 JUL 97	24 FEB 98
11 AUG 97	25 MAR 98
12 SEP 97	26 APR 98
13 OCT 97	27 MAY 98
14 NOV 97	28 JUN 98
15 DEC 97	29 JUL 98
16 JAN 98	30 AUG 98
17 FEB 98	31 SEP 98
18 MAR 98	01 OCT 98
19 APR 98	02 NOV 98
20 MAY 98	03 DEC 98
21 JUN 98	04 JAN 99
22 JUL 98	05 FEB 99
23 AUG 98	06 MAR 99
24 SEP 98	07 APR 99
25 OCT 98	08 MAY 99
26 NOV 98	09 JUN 99
27 DEC 98	10 JUL 99
28 JAN 99	11 AUG 99
29 FEB 99	12 SEP 99
30 MAR 99	13 OCT 99
31 APR 99	14 NOV 99
01 MAY 99	15 DEC 99
02 JUN 99	16 JAN 00
03 JUL 99	17 FEB 00
04 AUG 99	18 MAR 00
05 SEP 99	19 APR 00
06 OCT 99	20 MAY 00
07 NOV 99	21 JUN 00
08 DEC 99	22 JUL 00
09 JAN 00	23 AUG 00
10 FEB 00	24 SEP 00
11 MAR 00	25 OCT 00
12 APR 00	26 NOV 00
13 MAY 00	27 DEC 00
14 JUN 00	28 JAN 01
15 JUL 00	29 FEB 01
16 AUG 00	01 MAR 01
17 SEP 00	02 APR 01
18 OCT 00	03 MAY 01
19 NOV 00	04 JUN 01
20 DEC 00	05 JUL 01
21 JAN 01	06 AUG 01
22 FEB 01	07 SEP 01
23 MAR 01	08 OCT 01
24 APR 01	09 NOV 01
25 MAY 01	10 DEC 01
26 JUN 01	11 JAN 02
27 JUL 01	12 FEB 02
28 AUG 01	13 MAR 02
29 SEP 01	14 APR 02
30 OCT 01	15 MAY 02
31 NOV 01	16 JUN 02
01 DEC 01	17 JUL 02
02 JAN 02	18 AUG 02
03 FEB 02	19 SEP 02
04 MAR 02	20 OCT 02
05 APR 02	21 NOV 02
06 MAY 02	22 DEC 02
07 JUN 02	23 JAN 03
08 JUL 02	24 FEB 03
09 AUG 02	25 MAR 03
10 SEP 02	26 APR 03
11 OCT 02	27 MAY 03
12 NOV 02	28 JUN 03
13 DEC 02	29 JUL 03
14 JAN 03	30 AUG 03
15 FEB 03	31 SEP 03
16 MAR 03	01 OCT 03
17 APR 03	02 NOV 03
18 MAY 03	03 DEC 03
19 JUN 03	04 JAN 04
20 JUL 03	05 FEB 04
21 AUG 03	06 MAR 04
22 SEP 03	07 APR 04
23 OCT 03	08 MAY 04
24 NOV 03	09 JUN 04
25 DEC 03	10 JUL 04
26 JAN 04	11 AUG 04
27 FEB 04	12 SEP 04
28 MAR 04	13 OCT 04
29 APR 04	14 NOV 04
30 MAY 04	15 DEC 04
31 JUN 04	16 JAN 05
01 JUL 04	17 FEB 05
02 AUG 04	18 MAR 05
03 SEP 04	19 APR 05
04 OCT 04	20 MAY 05
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06 DEC 04	22 JUL 05
07 JAN 05	23 AUG 05
08 FEB 05	24 SEP 05
09 MAR 05	25 OCT 05
10 APR 05	26 NOV 05
11 MAY 05	27 DEC 05
12 JUN 05	28 JAN 06
13 JUL 05	29 FEB 06
14 AUG 05	01 MAR 06
15 SEP 05	02 APR 06
16 OCT 05	03 MAY 06
17 NOV 05	04 JUN 06
18 DEC 05	05 JUL 06
19 JAN 06	06 AUG 06
20 FEB 06	07 SEP 06
21 MAR 06	08 OCT 06
22 APR 06	09 NOV 06
23 MAY 06	10 DEC 06
24 JUN 06	11 JAN 07
25 JUL 06	12 FEB 07
26 AUG 06	13 MAR 07
27 SEP 06	14 APR 07
28 OCT 06	15 MAY 07
29 NOV 06	16 JUN 07
30 DEC 06	17 JUL 07
31 JAN 07	18 AUG 07
01 FEB 07	19 SEP 07
02 MAR 07	20 OCT 07
03 APR 07	21 NOV 07
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06 JUL 07	24 FEB 08
07 AUG 07	25 MAR 08
08 SEP 07	26 APR 08
09 OCT 07	27 MAY 08
10 NOV 07	28 JUN 08
11 DEC 07	29 JUL 08
12 JAN 08	30 AUG 08
13 FEB 08	31 SEP 08
14 MAR 08	01 OCT 08
15 APR 08	02 NOV 08
16 MAY 08	03 DEC 08
17 JUN 08	04 JAN 09
18 JUL 08	05 FEB 09
19 AUG 08	06 MAR 09
20 SEP 08	07 APR 09
21 OCT 08	08 MAY 09
22 NOV 08	09 JUN 09
23 DEC 08	10 JUL 09
24 JAN 09	11 AUG 09
25 FEB 09	12 SEP 09
26 MAR 09	13 OCT 09
27 APR 09	14 NOV 09
28 MAY 09	15 DEC 09
29 JUN 09	16 JAN 10
30 JUL 09	17 FEB 10
31 AUG 09	18 MAR 10
01 SEP 09	19 APR 10
02 OCT 09	20 MAY 10
03 NOV 09	21 JUN 10
04 DEC 09	22 JUL 10
05 JAN 10	23 AUG 10
06 FEB 10	24 SEP 10
07 MAR 10	25 OCT 10
08 APR 10	26 NOV 10
09 MAY 10	27 DEC 10
10 JUN 10	28 JAN 11
11 JUL 10	29 FEB 11
12 AUG 10	01 MAR 11
13 SEP 10	02 APR 11
14 OCT 10	03 MAY 11
15 NOV 10	04 JUN 11
16 DEC 10	05 JUL 11
17 JAN 11	06 AUG 11
18 FEB 11	07 SEP 11
19 MAR 11	08 OCT 11
20 APR 11	09 NOV 11
21 MAY 11	10 DEC 11
22 JUN 11	11 JAN 12
23 JUL 11	12 FEB 12
24 AUG 11	13 MAR 12
25 SEP 11	14 APR 12
26 OCT 11	15 MAY 12
27 NOV 11	16 JUN 12
28 DEC 11	17 JUL 12
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30 FEB 12	19 SEP 12
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01 APR 12	21 NOV 12
02 MAY 12	22 DEC 12
03 JUN 12	23 JAN 13
04 JUL 12	24 FEB 13
05 AUG 12	25 MAR 13
06 SEP 12	26 APR 13
07 OCT 12	27 MAY 13
08 NOV 12	28 JUN 13
09 DEC 12	29 JUL 13
10 JAN 13	30 AUG 13
11 FEB 13	31 SEP 13
12 MAR 13	01 OCT 13
13 APR 13	02 NOV 13
14 MAY 13	03 DEC 13
15 JUN 13	04 JAN 14
16 JUL 13	05 FEB 14
17 AUG 13	06 MAR 14
18 SEP 13	07 APR 14
19 OCT 13	08 MAY 14
20 NOV 13	09 JUN 14
21 DEC 13	10 JUL 14
22 JAN 14	11 AUG 14
23 FEB 14	12 SEP 14
24 MAR 14	13 OCT 14
25 APR 14	14 NOV 14
26 MAY 14	15 DEC 14
27 JUN 14	16 JAN 15
28 JUL 14	17 FEB 15
29 AUG 14	18 MAR 15
30 SEP 14	19 APR 15
01 OCT 14	20 MAY 15
02 NOV 14	21 JUN 15
03 DEC 14	22 JUL 15
04 JAN 15	23 AUG 15
05 FEB 15	24 SEP 15
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07 APR 15	26 NOV 15
08 MAY 15	27 DEC 15
09 JUN 15	28 JAN 16
10 JUL 15	29 FEB 16
11 AUG 15	01 MAR 16
12 SEP 15	02 APR 16
13 OCT 15	03 MAY 16
14 NOV 15	04 JUN 16
15 DEC 15	05 JUL 16
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17 FEB 16	07 SEP 16
18 MAR 16	08 OCT 16
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23 AUG 16	13 MAR 17
24 SEP 16	14 APR 17
25 OCT 16	15 MAY 17
26 NOV 16	16 JUN 17
27 DEC 16	17 JUL 17
28 JAN 17	18 AUG 17
29 FEB 17	19 SEP 17
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02 JUN 17	23 JAN 18
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05 SEP 17	26 APR 18
06 OCT 17	27 MAY 18
07 NOV 17	28 JUN 18
08 DEC 17	29 JUL 18
09 JAN 18	30 AUG 18
10 FEB 18	31 SEP 18
11 MAR 18	01 OCT 18
12 APR 18	02 NOV 18
13 MAY 18	03 DEC 18
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15 JUL 18	05 FEB 19
16 AUG 18	06 MAR 19
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18 OCT 18	08 MAY 19
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24 APR 19	14 NOV 19
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03 FEB 20	24 SEP 20
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05 APR 20	26 NOV 20
06 MAY 20	27 DEC 20
07 JUN 20	28 JAN 21
08 JUL 20	29 FEB 21
09 AUG 20	01 MAR 21
10 SEP 20	02 APR 21
11 OCT 20	03 MAY 21
12 NOV 20	04 JUN 21
13 DEC 20	05 JUL 21
14 JAN 21	06 AUG 21
15 FEB 21	07 SEP 21
16 MAR 21	08 OCT 21
17 APR 21	09 NOV 21
18 MAY 21	10 DEC 21
19 JUN 21	11 JAN 22
20 JUL 21	12 FEB 22
21 AUG 21	13 MAR 22
22 SEP 21	14 APR 22
23 OCT 21	15 MAY 22
24 NOV 21	16 JUN 22
25 DEC 21	17 JUL 22
26 JAN 22	18 AUG 22
27 FEB 22	19 SEP 22
28 MAR 22	20 OCT 22
29 APR 22	21 NOV 22
30 MAY 22	22 DEC 22
31 JUN 2	

18 JAN 91	23 FEB 85
19 JAN 91	24 FEB 85
20 JAN 91	25 FEB 85
21 JAN 91	26 FEB 85
22 JAN 91	27 FEB 85
23 JAN 91	28 FEB 85
24 JAN 91	29 FEB 85
25 JAN 91	30 FEB 85
26 JAN 91	31 FEB 85
27 JAN 91	1 MAR 85
28 JAN 91	2 MAR 85
29 JAN 91	3 MAR 85
30 JAN 91	4 MAR 85
31 JAN 91	5 MAR 85
1 FEB 91	6 MAR 85
2 FEB 91	7 MAR 85
3 FEB 91	8 MAR 85
4 FEB 91	9 MAR 85
5 FEB 91	10 MAR 85
6 FEB 91	11 MAR 85
7 FEB 91	12 MAR 85
8 FEB 91	13 MAR 85
9 FEB 91	14 MAR 85
10 FEB 91	15 MAR 85
11 FEB 91	16 MAR 85
12 FEB 91	17 MAR 85
13 FEB 91	18 MAR 85
14 FEB 91	19 MAR 85
15 FEB 91	20 MAR 85
16 FEB 91	21 MAR 85
17 FEB 91	22 MAR 85
18 FEB 91	23 MAR 85
19 FEB 91	24 MAR 85
20 FEB 91	25 MAR 85
21 FEB 91	26 MAR 85
22 FEB 91	27 MAR 85
23 FEB 91	28 MAR 85
24 FEB 91	29 MAR 85
25 FEB 91	30 MAR 85
26 FEB 91	31 MAR 85
27 FEB 91	1 APR 85
28 FEB 91	2 APR 85
29 FEB 91	3 APR 85
30 FEB 91	4 APR 85
31 FEB 91	5 APR 85

**105C-14** 95-044  
**QUARTZ & PLACER**  
 LATITUDE 60°45' TO 61°00'  
 LONGITUDE 133°00' TO 133°30'  
 ISSUED UNDER THE AUTHORITY OF THE MINISTER  
 INDIAN AFFAIRS AND NORTHERN DEVELOPMENT  
 SCALE 1:30,000

METRES 0 500 1000 2000  
 FEET 0 1500 3000 4500 6000 7500 9000 10500



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 TOPOGRAPHY COMPILED FROM 1:50,000 NATIONAL TOPOGRAPHIC SERIES.  
 CONTOUR INTERVAL 100 METRES.  
 SURVEY INFORMATION COMPILED FROM LEGAL SURVEYS, BY DRAFTING SERVICES.  
 Note: Entry on certain lands is withdrawn from staking in cross-hatched areas to facilitate the settlement of Native Land Claims without prejudice to Existing Surface and Subsurface Rights.

105P-4	105P-3	105P-2
105C-13	105C-14	105C-15
105C-12	105C-11	105C-10



# SHEET 105-C-15

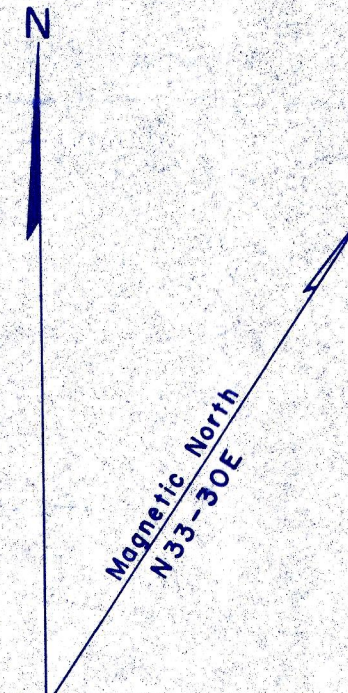
LATITUDE 60° 45' To 61° 00'  
LONGITUDE 132° 30' To 133° 00' 95-064

CANADA  
DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES  
NORTHERN ADMINISTRATION AND LANDS BRANCH  
MINING AND LANDS DIVISION

SCALE: 1/2 MILE TO 1 INCH

FT. 0 1500 3000 4500 6000 7500 9000 10500 FT

ISSUED UNDER THE AUTHORITY OF THE MINISTER  
OF  
NORTHERN AFFAIRS AND NATIONAL RESOURCES



105-F-3	105-F-2	105-F-1
105-C-14	105-C-15	105-C-16
105-C-11	105-C-10	105-C-9

Note: Entry on certain lands is withdrawn from staking in cross-hatched areas to facilitate the settlement of Native Land Claims without prejudice to Existing Surface and Subsurface Rights.

## NOTICE

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WHITEHORSE 28 JUNE 88 25 JULY 58 10 SEPT 73 22 FEB 93 18 JUL 79 16 MAR 90

