

GRASSROOTS EXPLORATION
FINAL REPORT
UNDER THE
1997 YUKON MINING INCENTIVES PROGRAM
(#97-048)
IN THE AREAS
of
MARSH LAKE, YUKON 105 D/1, D/8, D/9
and other areas of the
WHITEHORSE MINING DISTRICT
FOR THE SEASON OF 1997

submitted by

JOSEPH A. J. CLARKE
MARSH LAKE, YUKON
DECEMBER, 1997

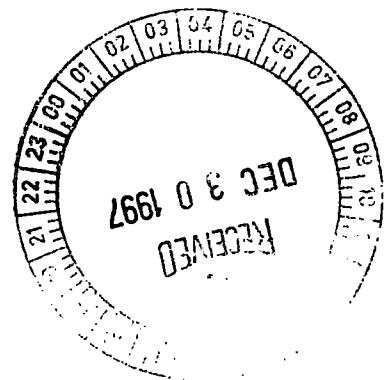


TABLE OF CONTENTS

INTRODUCTION	1
LOCATION, AND ACCESS,	1
TOPOGRAPHY, AND CLIMATE, VEGETATION	2
EXPLORATION HISTORY	2
REGIONAL GEOLOGY	2
EXPLORATION RESULTS	3
CONCLUSIONS AND RECOMMENDATIONS	5

LIST OF APPENDICES

APPENDIX I	STATEMENT OF EXPENDITURES
APPENDIX II	ASSAY RESULTS
APPENDIX III	STATEMENT OF QUALIFICATIONS
APPENDIX IV	ACKNOWLEDGMENTS
APPENDIX V	DAILY JOURNAL

LIST OF FIGURES

FIGURE 1.; PROJECT LOCATION MAP	(1:6,000,000)
FIGURE 2.; REGIONAL GEOLOGY MARSH LAKE	(1:250,000)
GEOLOGY AND SAMPLE LOCATIONS	
FIGURE 3.; MARSH LAKE UCHI AREA	
FIGURE 4.; MARSH LAKE GABBRO AREA	
FIGURE 6.; JUBILEE MOUNTAIN	
FIGURE 7.; SQUANGA ASBESTOS	
FIGURE 8.; SNAFU SHEAR ZONE	
FIGURE 9.; JUDAS CREEK	

INTRODUCTION

This final report describes the grassroots prospecting conducted under the 1997 Yukon Mining Incentives Program. Prospecting was started May 21 and continued until October 31. A total of 32 days were spent in the field with the collection of 54 rock samples and 18 soil samples. The total cost of the project was \$5315.04. It should be noted that due to time considerations and a potential conflict of interest that proposed exploration in the Rancheria area was not carried out. The main focus of work was in the Marsh Lake area specifically in the area of the 1995 Jakes Corner Helicopter EM Survey.

Exploration resulted in the staking of 4 quartz claims adjacent to the Uchi claims to cover potential mesothermal gold mineralization in Cache Creek Group cherts, cherty sediments and greenstones intruded by pegmatitic syenite and mafic rocks of Cretaceous age, and ultra-mafic rocks of possible Tertiary age. At km 22 on the Atlin Road a 20m wide shear zone in pyritic Cache Creek limestone and cherty sediments was sampled. Results returned were low but the area requires further prospecting, mapping and sampling. Samples taken from a large gabbro lopolith located near Army Beach returned results indicating potential for Ni/PGE mineralization. Pyritic arkose of the Laberge Group located north of the Tagish Fire Tower warrants further prospecting.

The prospector also discovered significant new geological relationships in the Cache Creek Group of the Marsh Lake Area. The possibility exists that some lamprophyres intruding older rocks may be of Tertiary age, perhaps related to Mt. Skukum/Nansen volcanic events. Prospecting revealed sub-divisions within the Cache Creek cherts and greenstones, and layering of the large gabbro intrusion near Army Beach. This may suggest that the large gabbro intrusion was one of the magma chambers for pyroclastic and flow basalt and andesites located to the south. Detailed geological mapping, sampling, and interpretation of satellite and geophysical data will be required to further understand this package. The prospector suggests that this package unraveled will reveal a cross section through a 50 x 50km mafic volcanic island arc complex. This knowledge combined with modern exploration methods should lead to the discovery of deposits typically found within this geological setting.

LOCATION, AND ACCESS

Marsh Lake

60-13 N, 134-06 W, 105 D/8
-60km S of Whitehorse along Alaska Highway
-7km NE of Judas Cr. Subdivision by existing ATV/logging trails.

Jubilee Mountain

- 60-12 N, 134-06 W, 105 D/1
- 75km S of Whitehorse along Alaska Highway
- 25km S. of Jakes Corner by Tagish Road.
- 15km SE of Tagish by dirt road up Pennycook Cr.
- 10km by existing ATV trail to Fire Tower/Jubilee Mountain

TOPOGRAPHY, CLIMATE, VEGETATION

The topography of the Southern Yukon east of Whitehorse consists of a series of NE trending valleys including the Southern Lakes, Teslin Lake and the Liard River Valley. The area has seen several periods of continental and alpine glaciation leaving wide drift filled valleys and locally rugged peaks. Elevations range from 2200 ft. to peaks of 7500ft.

The climate of the area varies from a high of +30C in the summer to lows of -40C during the winter. Typical are long hot summers (May to September) with up to 18 hours of daylight and moderate to harsh winters (October to April) with less than 7 hours of daylight.

Black spruce is one the most common tree species. It can be found growing in the lower and wetter areas. More exposed areas have a mixture of white and black spruce with occasional pine. More extensive pine forests can be found growing on sandy dry areas. In the most exposed areas aspen colonies are well established. Balsam grows at higher elevations up to the treeline. Alpine vegetation exists above 4500ft elevation. Willows are abundant in the valleys and low areas. Wildlife inhabiting the area is typical of the Southern Yukon and includes moose, wolves, and various small birds and mammals.

EXPLORATION HISTORY**Marsh Lake/Jubilee Mountain**

Hard rock exploration in the Marsh Lake/Jubilee areas dates from 1895 on the Rossbank property. Two Chinese placer miners also worked on Pennycook creek at the turn of the century. Exploration activity waxed and waned until the 1950's and 60's when several asbestos and chromite showings were explored. Later work occurred with drilling activity was seen on the Bug, Tog, and Rossbank properties. The 1994 Jakes Corner Helicopter EM survey revealed several strong EM conductors resulting staking Uchi, Mike, Cam, claim groups.

REGIONAL GEOLOGY**Marsh Lake**

The geology of the NE side of Marsh Lake consist of a tectonic assemblage of island arc mafic volcanics, cherts, and up-thrusted and altered ultramafic bodies known

collectively as the Cache Creek Group. Clastic and possible carbonate rocks of the Laberge group outcrop to the SW of Mt. Mitchie. To the NE metamorphosed volcanic rocks belonging to the Lewes River or Cache Creek Group are found. Intruding these are various Cretaceous or later felsic to mafic/ultra-mafic bodies. The NW-SE trending Marsh Lake fault is the prominent feature and includes many oblique splay faults forming drainage basins into the lake. These splay fault features are observable at outcrop scale. Latter fresh gabbros, lamprophyre, and diabase dikes are common.

Jubilee Mountain

The geology of the east side of Tagish Lake consist of Permian mafic volcanic rocks of the Taku group with sometimes containing serpentinized ultramafic bodies. Intruding this group are early Cretaceous ultramafic rocks including peridotite, pyroxenite, dunite and serpentinite. A late felsic intrusion is located south of Jubilee Mountain and may outcrop along the north side.

EXPLORATION RESULTS

Nic Area

Three areas of interest were discovered on the newly staked Uchi claims. The first area consists of an old blast pit at least 50 years old. The 1 x 1m pit exposes silicified chert of the CCG with 5-20% pyrite as irregular stringers and blebs and minor chalcopyrite. Sample ML97-12 returned 147 ppb Au. Re-sampling of the same site later returned 20 ppb Au. Located 150 m to the west is a small outcrop of chert intruded by a small lamprophyre dyke. Pyrite with minor chalcopyrite occurs in a similar manner as above. Further hand trenching is required to show the contact relationship and extent of mineralization at both locals. The lamprophyres may produce local mineralization at favorable areas in the chert host rock or may intrude pre-mineralized shear zones.

Also discovered was a area that containing chert, fine to medium grained sediments, in contact with syenite. A small valley representing a NS fault cuts all units. Samples ML97-15 and ML97-22 returned values of 20,223 ppb Au. This area requires trenching and mapping to better expose contacts and possible mineralized zones.

The new mineralized zone discovered was a 10m wide, 400m long zone of listwanite striking 140°. Listwanite alteration at the north end occurs in cherty, fine grained sediments and is weak to moderate. Sulfides occur as 1-2 % fine to medium grained pyrite with rare galena and chalcopyrite. Sample ML97-24 returned a value of 22 ppb Au. All samples taken from this zone returned high Ni, Co, and V values. Listwanite alteration at the south end of the zone is very intense with high silica content. It is typical of listwanite found elsewhere in the Marsh Lake area.

Located 400m southwest of the above listwanite zone is a area of folded cherts intruded by a one meter fine grained mafic dike. Sample ML97-9 returned a value of 5 ppm

Au by ICP analysis but <1 ppb Au by fire assay. This site should be re-sampled to confirm the ICP 5 ppm Au value. Located 50m northwest is an outcrop of chert with weak BIF appearance. Sample ML97-4 returned <1 ppb Au but 1.6% Ba. This high barium value and thin banded rusty layering suggest a settling area near a possible undersea vent. Further trenching and outcrop washing is required to better expose these areas.

Syenite Pegmatite Area

Several traverses were made over the syenite pegmatite occurring on a large hill several kilometers to the southeast of Mt. Mitchie. The syenite is fine grained at the base of the hill and coarsens up hill to the center of the intrusion. This observation may indicate a multiple intrusions of syenite or simply small grained texture due to cooling. Fluorite occurs occasionally in the pegmatitic syenite. Several swampy drainage's occur on the hill representing faults. Magnetic and resistivity data also suggest that the whole intrusion may be faulted NS with a 1-2 km offset. Several rock samples and a line of six soil samples returned no significant results. The area still warrants further prospecting, mapping and sampling. As outcrop is close to surface soil sampling may be the best method.

Marsh Lake Gabbro

This area was prospected for possible Ni/PGE potential. A line of five soil samples returned no significant results. Sample ML97-42 returned 5 ppm palladium. This gabbro intrusion is quite large and shows some layering. Detailed geological mapping may be required to indicate which areas may have the best potential for Ni/PGE mineralization.

Caribou Creek

Several traverses were made the west of Caribou Creek. Two rock samples were taken from exposures of the typical mafic volcanic/chert package. Results returned no significant values.

Tagish Fire Tower

Arkose is exposed over the entire hill where the Tagish Fire Tower is located. The rock is typically fine grained with 0.5 to 5cm layers. Up to 1% pyrite occurs locally as fine grained cubes and small blebs. Soil sampling should be conducted over this hill on a 400m grid. Folding within this unit may provide a good host for gold or silver-lead mineralization derived from buried intrusions. Such intrusions occur 2-3 km to the south.

Pennycook Creek

A traverse was made up the north fork of Pennycook Creek. No outcrop was found in the creek bottom or immediate banks. Panning results showed several colors in each pan although none over 50 mesh in size. Pan samples were taken from bank gravel not from under boulders or other natural gold traps. Large sluice box samples should be taken.

Atlin Road

Prospecting near km22 on the Atlin Road located strongly sheared fine grained calcareous sediments of the Cache Creek Group. Up to 5% pyrite occurs as cubes and stringers with <1 cm quartz veins parallel to bedding. This area should be prospected in detail. The shearing may extend to the SW. Gabbro float found in a small gully between two outcrops may indicated buried intrusions are within the area.

Squanga Lake Asbestos

The area of Minfile occurrence 105C-10 Riba asbestos deposit was visited and prospected. Three rock samples were taken to check for potential PGE mineralization. Sample ML97-33, taken from the asbestos trench returned 2110 ppm Ni and 9 ppb Pt. Soil sampling on 400m lines should be conducted to locate areas of potential PGE mineralization.

CONCLUSIONS AND RECCOMENTATIONS

Of the areas prospected this season the Nic area shows the most economic potential. It is recommended that the area extending from the current Uchi 1-12 claim to the base of the syenite pegmatite hill be staked as a contiguous claim block. At this time a 200m picketed grid should be cut. This will allow detailed geological mapping aided by ground Mag/VLF geophysical surveys. Hand and mechanical trenching with blasting and outcrop washing must be conducted at the three new zones found in the Nic area. A compilation of all existing and new data should be preformed and anyalized. This exploration program could occur over two years with a total budget of \$50,000.

Other areas prospected should be looked at again but only on a limited basis as time or budget permits.

APPENDIX I
STATEMENT OF EXPENDITURES

1997 YMIP Grasroots Prospecting Final Budget						
by Joseph Clarke						
Marsh Lake, Yukon						
Item	Detail	Monthly Amount/Rate	Months/Days	Cost	Adjustment	Total
Samples	Rock Assays	54		\$29	100%	\$1,577.39
	Soil/Stream Assays	18		\$15	100%	\$264.83
Shipping	Canadian/Aurum					\$129.29
						\$1,842.22
Rentals	GPS	\$350	32	\$373	25%	\$93.33
	Chainsaw	\$300	32	\$320	25%	\$80.00
	Pump/Sluice	\$336	32	\$358	25%	\$89.60
	UV lamp	\$75	32	\$80	25%	\$20.00
	Handheld Radio	\$90	32	\$96	25%	\$24.00
Misc.	Flags, Bags, Tags, etc	\$300	32	\$320	100%	\$320.00
Maps, Air Photo's		\$75				\$75.00
Transportation	4x4 Toyota Landcruiser	\$1,620	32	\$1,728	25%	\$432.00
	Yamaha Big Bear ATV	\$1,200	32	\$1,280	25%	\$321.28
	ATV Trailer	\$300	32	\$320	25%	\$80.32
Grub/Camp	YTG Daily Rate	\$35	32			\$1,120.00
Fuel/Oil	2.5gal/dayx\$3.5/gal*30days	\$345	32	\$368	100%	\$368.00
Report Costs		\$300	32	\$320	100%	\$320.00
				Base		\$5,315.04
				GST		\$0.00
				Total		\$5,315.04
				Total		\$5,315.04
				Less Advance		\$2,500.00
				Final		\$2,815.04
Note: all rates from YTG 1993 maximum reimbursable rental rates sheet.						
'25% deduction for prospector owned equipment included						

**ACME ANALYTICAL LABORATORIES LTD.**

852 East Hastings,, Vancouver, B.C., CANADA V6A 1R6

Phone: (604) 253-3158 Fax: (604) 253-1716

Our GST # 100035377 RT



CLARKE, JOE
P.O. Box 4367
Whitehorse, YT
Y1A 3T5

Inv.#: **97-6703**
Date: Nov 20 1997

QTY	ASSAY	PRICE	AMOUNT
41	MULTI-ACID DIGESTION ICP ANALYSIS @	8.65	354.65
41	GEOCHEM HG ANALYSIS BY FLAMELESS AA @	3.70	151.70
41	GEOCHEM AU PT & PD ANALYSIS BY ULTRA/ICP @	12.00	492.00
41	ROCK SAMPLE PREPARATION @	4.25	174.25
		GST Taxable	1172.60
		7.00% GST	82.08
		CAD \$	1254.68

Samples submitted by Joe Clarke

COPIES 1

Please pay last amount shown. Return one copy of this invoice with payment.

TERMS: Net two weeks. 1.5 % per month charged on overdue accounts.

[COPY 1]

**ACME ANALYTICAL LABORATORIES LTD.**

852 East Hastings,, Vancouver, B.C., CANADA V6A 1R6

Phone: (604) 253-3158 Fax: (604) 253-1716

Our GST # 100035377 RT

**CLARKE, JOE**

P.O. Box 4367

Whitehorse, YT

Y1A 3T5

File: **97-3736**Date: **Jul 25 1997**

QTY	ASSAY	PRICE	AMOUNT
13	GEOCHEM AU ANALYSIS BY ACID LEACH (10 gm) @	6.60	85.80
13	GEOCHEM HG ANALYSIS BY FLAMELESS AA @	3.70	48.10
13	ROCK SAMPLE PREPARATION @	4.25	55.25
			189.15
			7.00% GST
			13.24
			202.39
			CDN \$

Samples submitted by B. Sauer

COPIES 1

Please pay last amount shown. Return one copy of this invoice with payment.

TERMS: Net two weeks. 1.5 % per month charged on overdue accounts.

[COPY 1]

018 YXY 59034426

018-59034426

Shipper's Name and Address
Nom et adresse de l'expéditeurShipper's Account Number
Numéro de compte de l'expéditeur

F00052477

Not negotiable / Non négociable

Air Waybill Lettre de transport aérien

Issued by / Émise par

CANADIAN AIRLINES INTERNATIONAL
STE 2800-700 2ND ST SW
CALGARY ABAURUM GEOLOGICAL CONSULTANTS
205 100 MAIN ST BOX 4367
WHITEHORSE, YT
Y1A3T5*CA PH-403 667-4168Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity
Les exemplaires 1, 2 et 3 de cette lettre de transport aérien sont originaux et ont la même validitéConsignee's Name and Address
Nom et adresse du destinataireConsignee's Account Number
Numéro de compte du destinataire

F00049891

ACME ANALYTICAL LABORATORIES
652 E HASTINGS ST
VANCOUVER, BC
V6A1R6*CA PH-604 258-3158

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. THE SHIPPER'S ATTENTION IS DRAWN TO THE NOTICE CONCERNING CARRIER'S LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.

Il est convenu que les marchandises décrites dans le présent document sont acceptées pour le transport en bon état apparent (sauf annotation contraire) et que le transport est SOUMIS AUX CONDITIONS DU CONTRAT QUI FIGURENT AU VERSO. L'ATTENTION DE L'EXPÉDITEUR EST ATTIRÉE SUR L'AVIS CONCERNANT LA LIMITATION DE RESPONSABILITÉ DU TRANSPORTEUR. L'expéditeur peut augmenter cette limitation de responsabilité en déclarant une valeur pour le transport plus élevée et en payant des frais supplémentaires s'il y a lieu.

Issuing Carrier's Agent Name and City / Nom et ville de l'agent du transporteur émetteur

CANADIAN AIRLINES INTL

Accounting information / Renseignements comptables

DL ZON A

Agent's IATA Code / Code IATA de l'agent

Account Number / Numéro de compte

71-9 9020 C

Airport of Departure (Address of first Carrier) and Requested Routing
Aéroport de départ (Adresse du premier transporteur) et itinéraire demandé

WHITEHORSE

to / à	By first Carrier Par premier transporteur	Routing and Destination Routage et destination	to / à	by / par	to / à	by / par	Currency Monnaie	CHGS Code Frais	WT/Poids-Val Poids Payé	Other/Autres Poids Payé	Declared Value of Carriage Valeur déclarée pour le transport	Declared Value for Customs Valeur déclarée pour la douane
YVR	CP						CAD	PXX			NVD	NCV

Airport of Destination / Aéroport de destination

VANCOUVER

Flight Date
Vol. / DateFor Carrier Use Only
Réserve au transporteurFlight Date
Vol. / DateAmount of Insurance
Montant de l'assurance

XXX

INSURANCE - If Carrier offers insurance, and such insurance is requested in accordance with the conditions thereof, indicate amount to be insured in figures in box marked "Amount of Insurance".
ASSURANCE - Si le transporteur propose une assurance et que l'expéditeur en fait la demande conformément aux présentes conditions indiquer le montant à assurer en chiffres dans la case "Montant de l'assurance".

Handling information / Renseignements pour le traitement de l'expédition

-GCR

Number of Pieces Nombre de colis RCP	Gross Weight Poids brut	kg	Rate Class / Classif. du tarif Commodity Item No. NP d'article de la marchandise	Chargeable Weight Poids de taxation	Rate / Charge Tarif / Montant	Total	Nature and Quantity of Goods (including Dimensions or Volume) Nature et quantité des marchandises (y compris dimensions ou volume)
3	50.3	kg		50.5	2.25	113.63	ROCK SAMPLES 16X10X6IN-3
3	50.3	kg				113.63	

Prepaid / Port payé	Weight Charge / Taxation au poids	Collect / Port dû	Other Charges / Autres frais
113.63			DL07.20 G008.46
Valuation charge / Taxation à la valeur			
Tax / Taxes			
Total other Charges Due Agent / Total des autres frais dus à l'agent			
Total other Charges Due Carrier / Total des autres frais dus au transporteur			
15.66			
Total prepaid / Total port payé		Total collect / Total port dû	
129.29			
Currency Conversion Rates Taux conversion monnaie	CC Charges in Destination Currency Port dû en monnaie du pays de destination		
1.000000	13 NOV 1997		
For Carrier's Use only at Destination Réserve au transporteur à destination	Charges at Destination / Frais à l'arrivée	Total collect Charges / Total dû	
		CAD	

Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains dangerous goods, such part is properly described by name and is in proper condition for carriage by air according to the applicable Dangerous Goods Regulations.

L'expéditeur certifie que les indications portées sur le présent document sont exactes et que dans la mesure où une partie quelconque de l'expédition contient des marchandises dangereuses, cette partie d'expédition est correctement dénommée et bien préparée pour le transport par air conformément à la réglementation applicable.

Signature of Shipper or his Agent

Signature of the expéditeur ou de son agent

Executed on
Fait le

(Date)

at

(Place)

(Lieu)

Signature of Issuing Carrier or its Agent

Signature du transporteur émetteur ou de son agent

APPENDIX II
ASSAY RESULTS

Samples

1997 YMIP SAMPLE DESCRIPTIONS												
				UTM	UTM	UTM						
Sample	Type	Area	Sub-Area	E	N	Elev	Unit	Sub Unit	Mineralization	Alteration	Strike	Dip
JM97-01	Rock	Jubilee	Fire Tower	546000	6683400	3200	Seds	Arkose	<1% Py	Micaceous		
ML97-01	Rock	Marsh	Nic	542720	6705597	2610	Seds	Grity	Py	Epidote	0	90
ML97-02	Rock	Marsh	Nic	542550	6705450	2630	Chert	Wk. BIF	Py	Rusty	0	90
ML97-03	Rock	Marsh	Nic	542569	6705706	2600	Gabro		Py			
ML97-04	Rock	Marsh	Nic	542400	6705650	2600	Chert	Wk. BIF	Py		140	90
ML97-05	Rock	Marsh	Nic	542400	6705650	2600	Chert		Py			
ML97-06	Rock	Marsh	Nic	542400	6705650	2600	Chert		Py			
ML97-07	Rock	Marsh	Nic	542400	6705650	2600	Dyke	Mafic	Py, Cp			
ML97-08	Rock	Marsh	Nic	542400	6705650	2600	Chert		Py			
ML97-09	Rock	Marsh	Nic	542400	6705650	2600	Chert		Py			
ML97-10	Rock	Marsh	Nic	542400	6705650	2600	Chert/Seds				50	
ML97-11	Rock	Marsh	Nic	542400	6705650	2600	Chert/Seds				50	
ML97-12	Rock	Marsh	Nic/Blast Pit	542512	6705981	2625	Chert		Py, Asp?, Po, Cp	Rusty	90	
ML97-13	Rock	Marsh	Syenite Peg.	543846	6706008	2850	Syenite		Py	Rusty		
ML97-14	Rock	Marsh	Syenite Peg.	544450	6706087	3240	Syenite		Py, Flourite	Rusty		
ML97-15	Rock	Marsh	Nic	542743	6705992	2675	Seds	Syn. Contact	Py, Po	Rusty	140	90
ML97-16	Rock	Marsh	Gap Uchi/Mike	541021	6704765	2350	Lamp/Sed	Wk. Skam?		Rusty		
ML97-17	Rock	Marsh	Gap Uchi/Mike	541021	6704765	2350	Seds/Lamp	Wk. Skam?	Py			
ML97-18	Rock	Marsh	Gap Uchi/Mike	541021	6704765	2350	Lamp.	Bedding			150	90
ML97-19	Rock	Marsh	Nic	541021	6704765	2350	Sed	Grit	Py, Po(?)		50	90
ML97-20	Rock	Marsh	Nic	541021	6704765	2350	Sed	Cherty		Micaceous	0	90
ML97-21	Rock	Marsh	Nic	541021	6704765	2350	Sed	Cherty/Limey(?)		Bxa (list.?)	25	90
ML97-22	Rock	Marsh	Nic	541021	6704765	2350	Sed		Py, Po(?)	Fol, Micaceous	130	80SW
ML97-23	Rock	Marsh	Nic	542512	6705981	2625	Resample ML97-12					
ML97-24	Rock	Marsh	Nic	542350	6705850	2650	Seds	Cherty/Shaley	Py, Gn	Rusty		
ML97-25	Rock	Marsh	Nic	542350	6705850	2650	Seds	Cherty/Shaley	Py, Gn, Cp(?)	Rusty, Bxa, List		
ML97-26	Rock	Marsh	Nic	542350	6705850	2650	Seds	Cherty/Shaley	Py	Rusty, Bxa, List		
ML97-27	Rock	Marsh	Nic	542350	6705850	2650	List	Cherty/Shaley	Py	Bxa, List		
ML97-28	Rock	Marsh	Nic	542350	6705850	2650	Seds	Cherty/Shaley	Py	Bxa, List		
ML97-29	Rock	Marsh	Nic	542350	6705850	2650	Seds	Cherty/Shaley	Py	Sheared		
ML97-30	Rock	Marsh	Nic	542350	6705850	2650	Lamp			Weird		
ML97-31	Rock	Marsh	Nic	542350	6705850	2650	Seds	Cherty/Shaley		Rusty	150	85E
ML97-32	Rock	Atlin Rd.	Snafu	566197	6671138		Shale	Graphitic	Py	Rusty	110	85N
ML97-33	Rock	Squanga	Asbestos	563723	6697899	4850	Serpentinite			Asbestos		
ML97-34	Rock	Squanga	Asbestos	563723	6697899	4850	Gabro/Diorite			Altered		
ML97-35	Rock	Squanga	Asbestos	563723	6697899	4850	Gabro/Diorite		Py	Altered		
ML97-36	Rock	Marsh	Judas Mt.	548150	6689200	2500	Mafic Volc.	QV	Py, Cp	Si		
ML97-37	Rock	Marsh	Nic	542350	6705850	2650	Chert/Lamp	Contact	Py, Cp	Si		
ML97-38	Rock	Marsh	Nic	542350	6705850	2650	Lamp/Chert	Contact	Py, Cp	Si		
ML97-39	Rock	Marsh	Nic	542350	6705850	2650	SyPeg/Lamp	Contact/Fault	Py			
ML97-40	Rock	Marsh	Nic	542350	6705850	2650	Lamp					
ML97-41	Rock	Marsh	Nic	542350	6705850	2650	Chert/F.G. Sed		Py, (Po)	Rusty		

Samples

ML97-42	Rock	Marsh N.	Gabbro	533200	6712450	2500	Gabbro	Diabasic	Py	wk. Rusty		
ML97-43	Rock	Marsh	Greyling Cr.	536500	6710050	2410	Chert		Py	rusty		
ML97-44	Rock	Marsh	Greyling Cr.	536500	6710050	2410	Volc.	Mafic				
ML97-45	Rock	Marsh	Gabbro	532800	6712800	2550	Gabbro				0 50E	
ML97-46	Rock	Marsh	Gabbro	532800	6712800	2550	Gabbro				0 50E	
ML97-47	Rock	Marsh	SyPeg-East	545600	6704750	3400	Sed	Mafic				
ML97-48	Rock	Marsh	SyPeg-East	545600	6704750	3400	Sed	Cherty				
ML97-49	Rock	Marsh	SyPeg-East	545600	6704750	3400	Sed/Cherty	Lamp	Py			
ML97-50	Rock	Marsh	SyPeg-East	545600	6704750	3400	Lamp	Chert	Py			
ML97-51	Rock	Marsh	SyPeg-East	542300	6705000	3500	Syenite					
ML97-52	Rock	Marsh	SyPeg-East	545350	6704000	3140	Lamp					
ML97-53	Rock	Marsh	SyPeg-East	545350	6704000	3140	Lamp					
ML97-S1	Soil	Marsh	Nic/Cherts-EMX	542400	6705650	2600						
ML97-S2	Soil	Marsh	Nic/Cherts-EMX	542400	6705650	2600						
ML97-S3	Soil	Marsh	Nic/Cherts-EMX	542400	6705650	2600						
L1-000	Soil	Marsh	Syenite Peg.	543846	6706008	2850						
L1-100	Soil	Marsh	Syenite Peg.	543846	6706008	2850						
L1-150	Soil	Marsh	Syenite Peg.	543846	6706008	2850						
L1-200	Soil	Marsh	Syenite Peg.	543846	6706008	2850						
L1-250	Soil	Marsh	Syenite Peg.	543846	6706008	2850						
L1-300	Soil	Marsh	Syenite Peg.	543846	6706008	2850						
L2-025	Soil	Marsh	Nic/Blast Pits	542512	6705981	2625						
L2-050	Soil	Marsh	Nic/Blast Pits	542512	6705981	2625						
L2-075	Soil	Marsh	Nic/Blast Pits	542512	6705981	2625						
L2-100	Soil	Marsh	Nic/Blast Pits	542512	6705981	2625						
L3-000	Soil	Marsh N.	Gabbro	533200	6712450	2500						
L3-025	Soil	Marsh N.	Gabbro	533200	6712450	2500						
L3-050	Soil	Marsh N.	Gabbro	533200	6712450	2500						
L3-075	Soil	Marsh N.	Gabbro	533200	6712450	2500						
L3-100	Soil	Marsh N.	Gabbro	533200	6712450	2500						

1997 YMP SOILS																															
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppb
ELEMENT	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*
ML-97-S1	1	25	9	54	< .3	94	18	418	2.52	10	< 8	< 2	3	19	0.3	< 3	< 3	68	0.35	0.032	12	121	0.85	217	0.14	4	1.41	0.01	0.07	< 2	7
ML-97-S2	< 1	15	< 3	25	< .3	35	6	172	1.36	3	< 8	< 2	2	16	0.4	< 3	< 3	39	0.32	0.044	10	47	0.55	118	0.08	4	0.97	0.01	0.03	< 2	1
ML-97-S3	1	11	5	37	< .3	38	9	362	1.46	7	< 8	< 2	2	18	< 2	< 3	< 3	42	0.33	0.046	10	53	0.55	156	0.09	< 3	1.02	0.01	0.04	< 2	< 1
L1-000	1	11	11	35	< .3	29	10	396	2.08	8	< 8	< 2	< 2	39	0.6	< 3	< 3	58	0.33	0.022	6	47	0.39	144	0.09	3	1.08	0.01	0.04	< 2	1
L1-100	1	12	13	57	< .3	25	8	817	2.02	6	< 8	< 2	3	42	0.4	< 3	< 3	44	0.39	0.038	10	36	0.32	211	0.09	3	1.02	0.01	0.09	< 2	< 1
L1-150	2	13	29	55	< .3	10	5	662	2.24	2	< 8	< 2	3	48	0.5	< 3	< 3	50	0.34	0.022	11	18	0.14	219	0.05	3	0.9	0.01	0.06	< 2	5
L1-200	1	9	7	49	< .3	37	10	441	1.9	4	< 8	< 2	< 2	48	0.4	< 3	< 3	48	0.43	0.037	7	46	0.45	210	0.09	3	1.11	0.01	0.06	< 2	< 1
L1-250	1	7	8	35	< .3	23	9	631	1.75	3	< 8	< 2	< 2	17	0.3	< 3	< 3	45	0.21	0.022	6	32	0.27	174	0.07	3	0.92	0.01	0.05	< 2	< 1
L1-300	1	34	7	27	< .3	37	10	616	1.76	7	< 8	< 2	< 2	85	0.4	< 3	< 3	47	0.82	0.019	13	34	0.28	260	0.06	6	0.99	0.02	0.05	< 2	2
L2-025	1	19	5	33	< .3	71	14	250	2.4	8	< 8	< 2	2	37	0.7	< 3	< 3	66	0.8	0.041	11	92	0.86	261	0.19	5	1.32	0.02	0.09	< 2	2
L2-050	1	98	4	57	0.5	121	14	900	1.68	6	< 8	< 2	< 2	56	0.6	< 3	< 3	41	1.07	0.082	14	52	0.51	500	0.07	5	1.05	0.02	0.05	< 2	5
L2-075	4	609	< 3	23	0.7	938	24	736	1.14	8	10	< 2	< 2	126	0.4	4	< 3	29	2.94	0.117	16	53	0.35	814	0.03	15	0.93	0.02	0.03	< 2	< 1
L2-100	1	62	6	48	< .3	136	18	859	1.84	3	< 8	< 2	2	106	0.4	< 3	< 3	42	3.93	0.036	13	52	0.49	523	0.08	8	1.07	0.03	0.04	< 2	3
L3-000	1	11	5	29	< .3	23	8	377	1.58	3	< 8	< 2	< 2	20	< 2	< 3	< 3	42	0.41	0.01	6	30	0.29	204	0.08	8	0.97	0.01	0.06	< 2	1
L3-025	1	41	8	46	< .3	19	7	272	1.79	4	< 8	< 2	2	16	0.3	< 3	< 3	49	0.27	0.08	8	27	0.38	117	0.09	< 3	1.39	0.01	0.03	< 2	1
L3-050	3	23	9	44	< .3	31	13	616	2.33	5	< 8	< 2	2	31	0.2	< 3	< 3	58	0.5	0.021	10	52	0.58	229	0.11	3	1.61	0.02	0.1	< 2	2
L3-075	1	24	19	114	< .3	21	21	1137	3.14	5	< 8	< 2	< 2	35	0.2	< 3	5	68	0.47	0.049	6	29	0.36	259	0.1	< 3	1.26	0.02	0.07	< 2	< 1
L3-100	1	33	12	131	< .3	25	18	2334	2.03	3	< 8	< 2	< 2	43	0.8	< 3	< 3	39	0.81	0.176	7	23	0.27	596	0.09	8	1.07	0.02	0.09	< 2	< 1

Marsh Lake, Yukon: 1997 YMP Prospecting, Rock Sample Location																																							
SAMPLES ELEMENT	ppm Mo	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppm Ni	ppm Co	ppm Mn	% Fe	ppm As	ppm U	ppm Au	ppm Th	ppm Sr	ppm Cd	ppm Sb	ppm Bi	% V	% Ca	% P	ppm La	ppm Cr	% Mg	ppm Ba	% Ti	% Al	% Na	% K	ppm W	ppm Zr	ppm In	ppm Y	ppm Nb	ppm Be	ppm Sc	ppb Hg	ppb Au**	ppb Pt**	ppb Pd**
JM 9701	<2	37	11	74	0.6	15	11	513	3.51	<5	<10	<4	5	581	<4	<5	<5	113	1.04	0.092	15	34	1.04	1225	0.32	8.27	3.12	1.86	<4	30	2	13	6	<1	10	85	2	na	na
ML-97-1	<2	9	<5	145	<5	15	31	1127	8.42	8	<10	<4	5	312	0.7	<5	<5	232	4.03	0.257	44	10	4.62	1520	2.21	7.52	1.74	3.02	<4	85	2	38	40	1	18	105	1	na	na
ML-97-2	19	51	16	81	0.7	24	9	282	2.21	5	<10	<4	9	163	1.1	<5	<5	175	1.48	0.097	33	70	1.23	2433	0.28	6.43	1.15	2.3	5	52	2	20	8	<1	10	20	2	na	na
ML-97-3	2	110	11	81	<5	21	28	1029	6.58	<5	<10	<4	9	614	0.4	<5	<5	264	4.65	0.364	35	40	3.21	4670	0.53	7.28	1.75	3.73	<4	73	2	24	7	1	20	60	1	na	na
ML-97-4	<2	83	8	70	<5	21	19	217	2.19	<5	<10	<4	5	150	2.4	<5	<5	62	0.27	0.021	17	57	0.9	16039	0.18	4.08	0.26	1.49	7	31	2	10	6	<1	8	40	2	na	na
ML-97-5	<2	10	<5	53	<5	26	7	278	1.73	<5	<10	<4	3	19	<4	<5	<5	43	0.2	0.012	12	25	0.71	1125	0.15	2.8	0.23	1.15	4	21	2	7	5	<1	7	10	1	na	na
ML-97-6	<2	28	8	40	<5	19	6	480	1.73	<5	<10	<4	2	62	<4	<5	<5	47	0.39	0.008	11	34	0.56	1399	0.14	2.51	0.23	0.85	5	16	2	9	4	<1	5	15	1	na	na
ML-97-7	<2	50	7	176	<5	110	48	1296	11.44	<5	<10	<4	8	235	<4	<5	<5	392	2.88	0.162	51	132	4.84	650	3.1	7.57	1.17	0.73	<4	19	2	32	37	<1	23	75	1	na	na
ML-97-8	<2	28	6	37	<5	17	6	633	1.6	<5	<10	<4	3	40	<4	<5	<5	32	0.27	0.028	11	24	0.5	978	0.14	2.42	0.2	0.91	7	8	2	7	4	<1	5	10	1	na	na
ML-97-9	<2	65	10	116	<5	78	22	2646	5.03	<5	<10	<4	6	18	111	<4	<5	142	1.39	0.072	78	39	2.11	1998	0.91	7.58	0.35	2.93	6	147	3	25	88	1	8	40	1	na	na
ML-97-10	13	46	13	41	<5	23	11	325	2.4	<5	<10	<4	7	219	<4	<5	<5	157	1.09	0.064	21	111	1.8	5712	0.34	4.97	0.7	2.41	7	56	2	16	9	<1	11	30	2	na	na
ML-97-11	13	38	16	48	<5	8	7	237	2.67	5	<10	<4	7	62	<4	<5	<5	153	0.14	0.05	23	61	0.88	5935	0.28	5.45	0.78	2.18	<4	50	2	13	9	<1	10	20	4	na	na
ML-97-12	<2	312	<5	59	0.5	48	14	7810	9.87	<5	<10	<4	2	65	<4	<5	<5	74	4.63	0.219	16	29	1.08	274	0.2	1.95	0.24	0.57	5	13	2	18	8	<1	4	65	147	na	na
ML-97-13	<2	65	20	76	<5	72	29	1175	4.96	10	<10	<4	21	1314	<4	8	<5	184	6.96	0.422	101	284	3.43	2704	0.54	8.02	2.5	2.41	14	119	2	27	15	3	13	35	44	2	1
ML-97-14	<2	46	42	45	<5	4	3	488	1.35	13	<10	<4	9	272	0.4	15	<5	52	0.3	0.03	17	12	0.12	798	0.11	8.88	3.75	5.4	10	98	2	6	9	5	1	40	6	<1	<1
ML-97-15	<2	73	9	25	<5	21	7	872	3.01	18	<10	<4	2	141	<4	<5	<5	19	4.35	0.067	8	31	0.12	335	0.09	4.31	3.21	0.58	14	11	2	13	4	<1	4	55	48	1	<1
ML-97-16	2	89	<5	164	<5	163	37	771	8.43	<5	<10	<4	<2	111	0.5	<5	<5	245	2.53	0.165	35	275	2.04	341	1.78	6.56	2.59	0.52	<4	113	2	25	29	1	15	85	2	1	2
ML-97-17	3	85	23	156	0.6	87	16	360	7.8	<5	<10	<4	3	45	<4	<5	<5	277	0.33	0.124	21	287	1.66	316	2.07	6.33	2.24	0.83	<4	121	2	21	28	<1	18	145	2	1	1
ML-97-18	<2	81	13	64	<5	68	42	1095	6.51	<5	<10	<4	3	551	<4	<5	<5	263	8.54	0.285	17	317	5.57	4891	0.51	5.73	0.96	3.36	5	33	2	18	2	<1	43	25	1	5	3
ML-97-19	33	67	8	42	<5	7	8	251	3.16	8	<10	<4	6	275	<4	<5	<5	242	1.05	0.099	29	72	1.63	3791	0.31	8.24	1.26	2.5	8	14	2	15	5	<1	12	40	9	2	3
ML-97-20	29	30	7	56	<5	23	12	514	3.49	8	<10	<4	6	226	<4	<5	<5	178	4	0.153	37	84	2.08	4113	0.51	5.91	1.33	2.39	8	56	2	24	9	<1	13	35	5	2	1
ML-97-21	2	9	5	135	0.8	28	13	1951	5.01	<5	<10	<4	<2	352	0.5	<5	<5	105	18.04	0.167	29	76	3.04	2113	0.52	2.64	0.73	0.33	<4	34	6	25	16	<1	5	20	2	<1	<1
ML-97-22	<2	746	<5	120	0.8	78	49	1653	9.28	<5	<10	<4	5	961	0.6	<5	<5	319	6.84	0.53	33	96	4.18	6372	0.74	8.09	1.25	3	<4	34	2	27	6	2	27	60	223	10	9
ML-97-23	<2	379	5	60	0.9	80	26	3624	12.41	<5	<16	<4	2	127	<4	<5	<5	143	2.52	0.186	12	36	1.71	153	0.29	2.95	0.77	0.91	<4	15	2	24	10	<1	8	50	20	1	9
ML-97-24	2	155	6	73	<5	82	26	944	5.42	18	<10	<4	4	607	<4	<5	<5	184	3.32	0.222	24	82	2.71	3900	0.39	6.68	1.12	2.5	8	54	2	20	5	1	15	30	68	4	3
ML-97-25	<2	23	<5	64	0.5	1263	70	628	3.51	<5	13	<4	<2	107	<4	<5	<5	46	2.11	0.014	3	2493	11.97	714	0.05	1.15	0.04	0.15	<4	3	2	2	<2	<1	6	20	1	2	1
ML-97-26	<2	4	<5	57	0.8	1160	59	766	3.63	7	12	<4	<2	364	<4	<5	<5	125	3.78	0.008	3	1410	11.78	361	0.01	0.43	0.02	0.21	<4	2	2	<2	<1	5	20	1	3	2	
ML-97-27	<2	11	<5	30	0.5	1168	59	579	4.03	9	12	<4	<2	229	<4	<5	<5	22	0.95	0.011	2	1248	15.17	825	<0.1	0.34	0.01	0.06	<4	<2	2	<2	<1	5	50	1	1	<1	
ML-97-28	<2	19	5	39	0.5	1107	60	564	3.62	22	10	<4	2	122	<4	<5	<5	44	1.51	0.021	3	1398	12.05	176	0.04	0.83	0.01	0.38	<4	4	2	2	<2	<1	6	20	3	3	2
ML-97-29	7	45	8	53	0.7	32	7	409	2.96	<5	<10	<4	4	132	<4	5	<5	141	0.78	0.069	18	115	2.13	2958	0.27	4.21	1.28	1.5	9	27	2	21	4	<1	11	25	4	2	2
ML-97-30	2	51	7	71	<5	169	36	1062	8.24	9	<10	<4	5	600	0.4	<5	<5	234	4.93	0.212	21	297	4.79	3495	0.5	7.15	2.15	2.12											



GEOCHEMICAL ANALYSIS CERTIFICATE



Clarke, Joe File # 97-6704
P.O. Box 4367, Whitehorse YT Y1A 3T5 Submitted by: Joe Clarke

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
ML-97-S1	1	25	9	54	<.3	94	16	418	2.52	10	<8	<2	3	19	.3	<3	<3	68	.35	.032	12	121	.85	217	.14	4	1.41	.01	.07	<2	7
ML-97-S2	<1	15	<3	25	<.3	35	6	172	1.36	3	<8	<2	2	16	.4	<3	<3	39	.32	.044	10	47	.55	118	.08	4	.97	.01	.03	<2	1
ML-97-S3	1	11	5	37	<.3	38	9	362	1.46	7	<8	<2	2	18	<.2	<3	<3	42	.33	.046	10	53	.55	156	.09	<3	1.02	.01	.04	<2	<1
L1-000	1	11	11	35	<.3	29	10	396	2.06	8	<8	<2	<2	39	.6	<3	<3	58	.33	.022	6	47	.39	144	.09	3	1.08	.01	.04	<2	1
L1-100	1	12	13	57	<.3	25	8	817	2.02	6	<8	<2	3	42	.4	<3	<3	44	.39	.038	10	36	.32	211	.09	3	1.02	.01	.09	<2	<1
L1-150	2	13	29	55	<.3	10	5	662	2.24	2	<8	<2	3	48	.5	<3	<3	50	.34	.022	11	18	.14	219	.05	3	.90	.01	.06	<2	5
L1-200	1	9	7	49	<.3	37	10	441	1.90	4	<8	<2	<2	46	.4	<3	<3	48	.43	.037	7	46	.45	210	.09	3	1.11	.01	.06	<2	<1
L1-250	1	7	8	35	<.3	23	9	631	1.75	3	<8	<2	<2	17	.3	<3	<3	45	.21	.022	6	32	.27	174	.07	3	.92	.01	.05	<2	<1
L1-300	1	34	7	27	<.3	37	10	616	1.76	7	<8	<2	<2	85	.4	<3	<3	47	.82	.019	13	34	.28	260	.06	6	.99	.02	.05	<2	2
L2-025	1	19	5	33	<.3	71	14	250	2.40	8	<8	<2	2	37	.7	<3	<3	66	.80	.041	11	92	.86	261	.19	5	1.32	.02	.09	<2	2
L2-050	1	98	4	57	.5	121	14	900	1.66	6	<8	<2	<2	56	.6	<3	<3	41	1.07	.082	14	52	.51	500	.07	5	1.05	.02	.05	<2	5
L2-075	4	609	<3	23	.7	938	24	736	1.14	8	10	<2	<2	126	.4	4	<3	29	2.94	.117	16	53	.35	814	.03	15	.93	.02	.03	<2	<1
L2-100	1	62	6	48	<.3	136	18	859	1.84	3	<8	<2	2	106	.4	<3	<3	42	3.93	.038	13	52	.49	523	.08	8	1.07	.03	.04	<2	3
RE L2-100	1	54	5	50	<.3	122	18	878	1.86	3	<8	<2	3	108	.2	3	<3	43	4.05	.036	13	53	.49	520	.08	9	1.08	.03	.04	<2	1
L3-000	1	11	5	29	<.3	23	8	377	1.58	3	<8	<2	<2	20	<.2	<3	<3	42	.41	.010	6	30	.29	204	.08	8	.97	.01	.06	<2	1
L3-025	1	41	8	46	<.3	19	7	272	1.79	4	<8	<2	2	16	.3	<3	<3	49	.27	.060	8	27	.38	117	.09	<3	1.39	.01	.03	<2	1
L3-050	3	23	9	44	<.3	31	13	616	2.33	5	<8	<2	2	31	.2	<3	<3	58	.50	.021	10	52	.58	229	.11	3	1.61	.02	.10	<2	2
L3-075	1	24	19	114	<.3	21	21	1137	3.14	5	<8	<2	<2	35	.2	<3	5	68	.47	.049	6	29	.36	259	.10	<3	1.26	.02	.07	<2	<1
L3-100	1	33	12	131	<.3	25	18	2334	2.03	3	<8	<2	<2	43	.8	<3	<3	39	.81	.176	7	23	.27	596	.09	8	1.07	.02	.09	<2	<1
STANDARD C3/AU-S	26	65	37	178	5.5	38	12	771	3.49	54	26	<2	17	30	22.8	16	24	83	.59	.086	18	172	.61	153	.10	18	1.84	.04	.15	19	43
STANDARD G-1	1	<1	<3	42	<.3	6	5	491	1.91	<2	<8	<2	4	67	.2	<3	<3	40	.59	.086	8	25	.58	228	.14	3	.90	.07	.45	4	<1

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.

THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.

- SAMPLE TYPE: SOIL AU* - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 14 1997

DATE REPORT MAILED: Nov 20/97

SIGNED BY: C. Leong, J. Wang; CERTIFIED B.C. ASSAYERS



GEOCHEMICAL ANALYSIS CERTIFICATE

Clarke, Joe File # 97-3736R

P.O. Box 4367, Whitehorse YT Y1A 3T5



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	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	A	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ML-97-1	<2	9	<5	145	<.5	15	31	1127	9.42	8	<10	<4	5	312	.7	<5	<5	232	4.03	.257	44	10	4.62	1520	2.21	7.52	1.74	3.02	<4	85	<2	38	40	1	18	<1	
ML-97-2	19	51	16	81	.7	24	9	282	2.21	5	<10	<4	9	163	1.1	<5	<5	175	1.48	.097	33	70	1.23	2433	.29	6.43	1.15	2.30	5	52	2	20	8	<1	10	2	
ML-97-3	2	110	11	81	<.5	21	28	1029	6.58	<5	<10	<4	9	614	.4	<5	<5	264	4.65	.364	35	40	3.21	4670	.53	7.26	1.75	3.73	<4	73	2	24	7	1	20	<1	
ML-97-4	<2	83	8	70	<.5	21	19	217	2.19	<5	<10	<4	5	150	2.4	<5	<5	62	.27	.021	17	57	.90	16039	.18	4.08	.26	1.49	7	31	<2	10	6	<1	8	2	
ML-97-5	<2	10	<5	53	<.5	26	7	276	1.73	<5	<10	<4	3	19	<.4	<5	<5	43	.20	.012	12	25	.71	1125	.15	2.80	.23	1.15	4	21	<2	7	5	<1	7	<1	
ML-97-6	<2	28	8	40	<.5	19	6	480	1.73	<5	<10	<4	2	62	<.4	<5	<5	47	.39	.008	11	34	.56	1399	.14	2.51	.23	.85	5	16	<2	9	4	<1	5	<1	
ML-97-7	<2	50	7	176	<.5	110	48	1296	11.44	<5	<10	<4	8	235	<.4	<5	<5	392	2.88	.162	51	132	4.64	650	3.10	7.57	1.17	.73	<4	19	<2	32	37	<1	23	<1	
ML-97-8	<2	28	6	37	<.5	17	6	633	1.60	<5	<10	<4	3	40	<.4	<5	<5	32	.27	.028	11	24	.50	978	.14	2.42	.20	.91	7	8	<2	7	4	<1	5	<1	
ML-97-9	<2	65	10	116	<.5	78	22	2646	5.03	<5	<10	(5)	18	111	<.4	<5	<5	142	1.39	.072	76	39	2.11	1996	.91	7.58	.35	2.93	6	147	3	25	88	1	8	<1	
ML-97-10	13	46	13	41	<.5	23	11	325	2.40	<5	<10	<4	7	219	<.4	<5	<5	157	1.09	.064	21	111	1.80	5712	.34	4.97	.70	2.41	7	56	<2	16	9	<1	11	2	
RE ML-97-10	13	47	10	47	<.5	23	11	324	2.43	<5	<10	<4	6	223	.4	<5	<5	160	1.11	.065	22	111	1.84	5845	.34	5.04	.72	2.47	5	56	<2	16	9	<1	11	2	
ML-97-11	13	38	16	48	<.5	8	7	237	2.67	5	<10	<4	7	62	<.4	<5	<5	153	.14	.050	23	61	.98	5935	.29	5.45	.78	2.18	<4	50	2	13	9	<1	10	4	
ML-97-12	<2	312	<5	59	.5	46	14	7810	9.87	<5	<10	<4	2	65	<.4	<5	<5	74	4.63	.219	16	29	1.08	274	.20	1.95	.24	.57	5	13	<2	16	8	<1	4	147	
JM 9701	<2	37	11	74	.6	15	11	513	3.51	<5	<10	<4	5	581	<.4	<5	<5	113	1.04	.092	15	34	1.04	1225	.32	8.27	3.12	1.96	<4	30	<2	13	6	<1	10	2	
STANDARD CT3	24	62	37	172	5.4	38	13	883	4.28	51	17	<4	25	225	21.4	24	19	133	1.59	.101	29	258	.95	990	.40	7.19	1.72	1.80	34	44	18	16	18	4	9		

ICP - .250 GRAM SAMPLE IS DIGESTED WITH 10ML HClO₄-HNO₃-HCL-HF AT 200 DEG. C TO FUMING AND IS DILUTED TO 10 ML WITH DILUTED AQUA REGIA. THIS LEACH IS PARTIAL FOR MAGNETITE, CHROMITE, BARITE, OXIDES OF AL, ZR & MN AND MASSIVE SULFIDE SAMPLES. AS, CR, SB, AU SUBJECT TO LOSS BY VOLATILIZATION DURING HClO₄ FUMING.

- SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 14 1997

DATE REPORT MAILED: Nov 18/97

SIGNED BY: C. Leong, D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ANALYSIS CERTIFICATE

Clarke, Joe File # 97-3736

P.O. Box 4367, Whitehorse YT Y1A 3T5 Submitted by: B. Sauer

SAMPLE#

Au*
ppbHg
ppb

ML-97-1

<1

105

ML-97-2

2

20

ML-97-3

<1

60

ML-97-4

2

40

ML-97-5

<1

<10

ML-97-6

<1

15

ML-97-7

<1

75

ML-97-8

<1

10

ML-97-9

<1

40

ML-97-10

2

30

RE ML-97-10

2

45

ML-97-11

4

20

ML-97-12

147

65

JM 9701

2

85

- SAMPLE TYPE: ROCK AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM) HG ANALYSIS BY FLAMELESS AA.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 21 1997

DATE REPORT MAILED:

July 25/97

SIGNED BY: C. Leong D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

AA
LL

GEOCHEMICAL ANALYSIS CERTIFICATE

Clarke, Joe File # 97-6703 Page 1
P.O. Box 4367, Whitehorse YT Y1A 3T5 Submitted by: Joe ClarkeAA
LL

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	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	Hg	Au**	Pt**	Pd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	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
ML-97-13	<2	65	20	76	<5	72	29	1175	4.96	10	<10	<4	21	1314	<4	8	<5	184	6.96	.422	101	284	3.43	2704	.54	6.02	2.50	2.41	14	119	<2	27	15	3	13	35	44	2	1
ML-97-14	<2	46	42	45	<5	4	3	488	1.35	13	<10	<4	9	272	<4	15	<5	52	.30	.030	17	12	.12	796	.11	8.88	3.75	5.40	10	98	<2	6	9	5	1	40	6	<1	<1
ML-97-15	<2	73	9	25	<5	21	7	872	3.01	18	<10	<4	2	141	<4	<5	<5	19	4.35	.067	8	31	.12	335	.09	4.31	3.21	.58	14	11	2	13	4	<1	4	55	46	1	<1
ML-97-16	2	89	<5	164	<5	163	37	771	8.43	<5	<10	<4	<2	111	.5	<5	<5	245	2.53	.165	35	275	2.04	341	1.76	6.56	2.59	.52	<4	113	<2	25	29	1	15	85	2	1	2
ML-97-17	3	85	23	156	.6	87	16	360	7.80	<5	<10	<4	3	45	<4	<5	<5	277	.33	.124	21	287	1.66	316	2.07	6.33	2.24	.63	<4	121	<2	21	28	<1	18	145	2	1	1
ML-97-18	<2	81	13	64	<5	68	42	1095	6.51	<5	<10	<4	3	551	<4	<5	<5	263	8.54	.285	17	317	5.57	4891	.51	5.73	.96	3.36	5	33	<2	16	2	<1	43	25	1	5	3
ML-97-19	33	67	8	42	<5	7	8	251	3.16	6	<10	<4	6	275	<4	<5	<5	242	1.05	.099	29	72	1.63	3791	.31	6.24	1.26	2.50	6	14	<2	15	5	<1	12	40	9	2	3
ML-97-20	29	30	7	56	<5	23	12	514	3.49	6	<10	<4	6	226	<4	<5	<5	178	4.00	.153	37	84	2.08	4113	.51	5.91	1.33	2.39	6	56	<2	24	9	<1	13	35	5	2	1
ML-97-21	2	9	5	135	.8	28	13	1951	5.01	<5	<10	<4	<2	352	.5	<5	<5	105	19.04	.167	29	76	3.04	2113	.52	2.64	.73	.33	<4	34	9	25	16	<1	5	20	2	<1	<1
ML-97-22	<2	746	<5	120	.8	78	49	1653	9.28	<5	<10	<4	5	961	.6	<5	<5	319	6.84	.530	33	96	4.18	6372	.74	6.09	1.25	3.00	<4	34	<2	27	6	2	27	60	223	10	9
ML-97-23	<2	379	5	60	.9	80	26	3624	12.41	<5	16	<4	2	127	<4	<5	<5	143	2.52	.186	12	36	1.71	153	.29	2.95	.77	.91	<4	15	<2	24	10	<1	8	50	20	1	9
ML-97-24	2	155	6	73	<5	82	26	944	5.42	18	<10	<4	4	607	<4	<5	<5	194	3.32	.222	24	92	2.71	3900	.39	6.68	2.12	2.50	6	54	<2	20	5	1	15	30	66	4	3
ML-97-25	<2	23	<5	64	.5	1263	70	628	3.51	<5	13	<4	<2	107	<4	<5	<5	46	2.11	.014	3	2493	11.97	714	.05	1.15	.04	.15	<4	3	<2	2	<2	<1	6	20	1	2	1
ML-97-26	<2	4	<5	57	.8	1150	59	766	3.63	7	12	<4	<2	364	<4	<5	<5	125	3.76	.008	3	1410	11.78	361	.01	.43	.02	.21	<4	2	<2	<2	<2	<1	5	20	1	3	2
ML-97-27	<2	11	<5	30	.5	1158	59	579	4.03	9	12	<4	<2	229	<4	<5	<5	22	.95	.011	2	1248	15.17	825	<.01	.34	.01	.06	<4	<2	<2	<2	<2	<1	5	50	1	1	<1
ML-97-28	<2	19	5	39	.5	1107	60	564	3.62	22	10	<4	2	122	<4	<5	<5	44	1.51	.021	3	1396	12.05	176	.04	.83	.01	.38	<4	4	<2	2	<2	<1	6	20	3	3	2
ML-97-29	7	45	8	53	.7	32	7	409	2.96	<5	<10	<4	4	132	<4	5	<5	141	.78	.069	18	115	2.13	2956	.27	4.21	1.28	1.50	9	27	<2	21	4	<1	11	25	4	2	2
ML-97-30	2	51	7	71	<5	169	36	1062	6.24	9	<10	<4	5	600	.4	5	<5	234	4.93	.212	21	297	4.79	3495	.50	7.15	2.15	2.12	<4	55	<2	22	4	<1	20	20	1	1	1
ML-97-31	<2	142	9	85	.7	39	35	1232	7.41	7	<10	<4	4	1022	<4	<5	<5	283	5.52	.354	25	64	3.11	4037	.54	7.14	1.55	3.57	4	64	<2	26	5	1	24	25	6	7	7
ML-97-32	13	25	10	48	.6	12	5	52	1.29	<5	<10	<4	3	54	<4	<5	<5	147	.08	.027	15	52	.43	4417	.15	3.36	.39	1.25	5	33	<2	8	5	<1	6	320	6	1	1
ML-97-33	<2	10	<5	30	.5	2110	101	842	5.44	<5	12	<4	<2	4	<4	<5	<5	31	.31	.009	<2	1222	19.54	29	.02	.40	.02	.03	<4	<2	<2	<2	<2	<1	7	30	1	9	4
ML-97-34	<2	88	<5	63	<5	84	39	1203	9.37	<5	<10	<4	2	330	.7	<5	<5	566	8.04	.009	3	157	5.27	56	.90	7.01	1.36	.05	<4	8	<2	16	<2	<1	38	35	<1	<1	<1
ML-97-35	<2	46	<5	44	<5	141	33	970	5.51	<5	<10	<4	<2	99	<4	<5	<5	235	11.66	.020	4	537	5.13	33	.47	7.17	.84	.02	<4	10	<2	18	<2	<1	29	30	<1	<1	<1
ML-97-36	<2	102	6	27	<5	21	3	1218	1.23	<5	<10	<4	<2	94	<4	<5	<5	28	4.02	.009	6	36	.24	20	.03	.55	.03	.01	8	8	<2	4	<2	<1	2	10	1	<1	<1
RE ML-97-36	<2	110	21	27	<5	22	3	1279	1.27	<5	<10	<4	<2	98	<4	<5	<5	28	4.19	.010	5	40	.23	21	.03	.55	.02	.02	9	8	<2	4	<2	<1	2	15	1	<1	<1
ML-97-37	<2	13	<5	177	<5	23	22	6183	7.99	<5	15	<4	<2	59	<4	<5	<5	52	8.58	.038	4	48	1.29	60	.04	.42	.09	.07	5	11	<2	4	<2	<1	3	<10	6	1	1
ML-97-38	<2	44	<5	136	.5	136	49	1687	7.15	7	<10	<4	4	525	1.1	6	<5	232	10.55	.474	25	447	6.53	1360	.56	3.75	.73	.93	5	37	<2	21	5	2	31	25	3	8	7
ML-97-39	5	70	<5	65	.8	69	18	813	4.15	7	<10	<4	3	183	<4	<5	<5	177	1.96	.083	14	150	2.00	1502	.45	4.72	1.75	.91	5	24	<2	24	6	<1	14	15	2	<1	2
ML-97-40	<2	7	5	85	.6	157	37	1238	6.56	<5	<10	<4	3	687	<4	<5	<5	235	8.40	.204	18	352	5.61	3633	.49	6.40	1.30	1.39	<4	20	<2	19	2	<1	25	15	<1	2	2
ML-97-41	2	111	14	90	1.9	56	27	1287	7.42	<5	<10	<4	2	258	.4	6	<5	296	4.60	.064	10	160	3.96	756	.77	6.79	2.30	.64	4	23	<2	28	4	<1	28	30	6	6	11
ML-97-42	<2	87	19	77	<5	15	29	1155	6.36	5	<10	<4	4	625	.4	<5	<5	238	5.70	.158	23	50	2.73	1107	.43	8.04	3.05	1.56	4	45	<2	19	4	<1	22	35	2	2	5
ML-97-43	7	17	8	13	<5	8	<2	77	.91	<5	<10	<4	<2	17	<4	<5	<5	21	.10	.024	4	73	.13	216	.06	.96	.38	.28	13	15	<2	3	2	<1	4	15	2	<1	1
ML-97-44	<2	161	<5	83	.5	72	45	1404	8.34	5	<10	<4	<2	104	.4	<5	<5	307	6.41	.047	8	204	4.15	281	.74	7.16	2.79	.39	<4	38	<2	26	3	<1	34	25	2	8	10
ML-97-45	<2	95	14	71	<5	14	28	1092	6.04	<5	<10	<4	6	1055	.4	<5	<5	202	6.26	.149	25	32	2.36	2382	.41	9.75	2.19	2.69	<4	47	<2	18	3	<1	17	25	1	3	5
STANDARD CT3/C3/FA100	25	63	38	165	5.2	38	13	884	4.13	50	28	<4	24	229	21.7	18	25	130	1.57	.101	26	256	.91	1004	.39	6.96	1.80	1.82	29	41	17	18	16	4	9	995	48	46	47
STANDARD G-1	2	5	19	52	<5	10	5	746	2.73	<5	<10	<4	6	720	<4	<5	<5	55	2.58	.082	39	94	.73	974	.24	7.91	2.49	2.81	<4	8	<2	16	15	1	5	15	1	<1	<1

ICP - .250 GRAM SAMPLE IS DIGESTED WITH 10ML HClO₄-HNO₃-HCL-HF AT 200 DEG. C TO FUMING AND IS DILUTED TO 10 ML WITH DILUTED AQUA REGIA. THIS LEACH IS PARTIAL FOR MAGNETITE, CHROMITE, BARITE, OXIDES OF AL, ZR & MN AND MASSIVE SULFIDE SAMPLES. AS, CR, SB, AU SUBJECT TO LOSS BY VOLATILIZATION DURING HClO₄ FUMING.

- SAMPLE TYPE: ROCK HG ANALYSIS BY FLAMELESS AA. AU** PT** PD** BY FIRE ASSAY & ANALYSIS BY ULTRA/ICP. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 14 1997 DATE REPORT MAILED: Nov 20/97 SIGNED BY: C. L. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASS

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	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	Hg	Au**	Pt**	Pd**
	ppm	ppm	ppm	ppm	ppm	ppm	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
ML-97-46	<2	104	19	79	<.5	14	30	1191	6.73	<5	13	<4	8	754	<.4	<5	<5	242	6.43	.169	27	47	3.24	2644	.45	7.63	1.95	2.81	<4	69	<2	18	4	<1	25	50	1	1	8
ML-97-47	<2	85	17	94	.6	21	33	1315	7.82	<5	10	<4	6	658	.5	<5	<5	291	5.62	.360	25	23	2.97	3809	.56	7.75	2.03	2.86	<4	76	<2	22	4	1	22	20	1	2	2
ML-97-48	<2	82	8	72	<.5	33	34	1099	7.01	<5	12	<4	7	765	.4	<5	<5	274	3.13	.288	23	41	3.36	5895	.53	8.13	2.62	2.93	<4	75	<2	22	5	<1	22	25	1	3	3
ML-97-49	3	51	8	39	<.5	28	16	956	3.63	<5	<10	<4	3	611	<.4	<5	<5	131	7.63	.127	15	64	1.74	2609	.25	4.16	1.11	1.44	5	35	<2	12	4	<1	13	20	3	1	2
ML-97-50	2	74	<5	58	<.5	63	35	1030	6.79	13	13	<4	6	718	<.4	<5	<5	250	3.65	.281	22	156	3.88	4270	.47	7.17	1.62	2.59	<4	66	<2	19	5	<1	23	35	2	2	2
ML-97-51	<2	11	29	84	<.5	3	13	1192	3.92	<5	<10	<4	7	802	.5	<5	<5	115	2.74	.085	24	7	.59	6614	.27	9.68	1.86	7.25	5	76	3	18	7	1	2	10	1	<1	2
RE ML-97-51	<2	13	25	88	<.5	3	13	1220	3.98	<5	<10	<4	8	809	.4	<5	<5	116	2.78	.084	23	8	.60	6713	.27	9.80	1.89	7.39	5	77	<2	18	7	1	2	15	2	<1	2
ML-97-52	<2	116	14	76	<.5	44	39	1115	6.89	<5	<10	<4	5	782	.8	<5	<5	267	6.75	.329	19	155	4.11	7459	.52	6.64	.21	5.16	<4	55	<2	17	4	<1	29	30	<1	5	5
ML-97-53	<2	106	23	76	<.5	22	34	1083	6.33	<5	11	<4	8	1058	.4	8	<5	242	5.25	.287	24	57	2.63	10388	.46	8.16	.25	6.10	8	76	<2	20	8	1	17	10	1	5	5
STANDARD CT3/C3/FA100	24	62	37	172	5.4	38	13	883	4.28	51	17	<4	25	225	21.4	24	19	133	1.59	.101	29	258	.95	990	.40	7.19	1.72	1.80	34	44	18	16	18	4	9	940	48	47	48

Sample type: ROCK. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

APPENDIX III

STATEMENT OF QUALIFICATIONS

I, Joseph A. J. Clarke, of Marsh Lake Yukon Territory with mailing address of General Delivery, Whitehorse, Yukon hereby certify:

That I have graduated from the Haileybury School of Mines in 1985 with a diploma in Mining Engineering Technology;

That I have been engaged in prospecting in the Yukon on a full time basis since May of 1993 and have been engaged in prospecting and in the mineral industry for 14 years elsewhere in Canada;

That I have a commitment to prospect in a gentlemanly manner with respect for the land and with those who use the land.

Signed at Whitehorse, Yukon Territory on the 30 day of December, 1997.



Joseph A. J. Clarke

APPENDIX IV

ACKNOWLEDGMENTS

The Liswanite-Lode Gold Association of British Columbia
Ash and Arksey
Geological Fieldwork 1989, paper 1990-1

Airborne EM and MAG Survey
Jakes Corner Project
DIAND Open File 1994 - 10 (G)
by Dighem I Power

Notes to Prospectors - Jakes Corner
Dighem Survey Interpretation
DIAND Open File 1995 - 12 (G)
by M.A. Power Msc, Amerok Geophysics

Geology of Spencer Creek and Daugney Lake Map Areas
DIAND Open File 1086-1
by G.W. Lowey and J.F Lowey

Silver-Bearing Veins and Replacement Deposits of the Rancheria District
Yukon Exploration and Geology 1983, p33-p44
by Grant Abbott

Exploration Criteria for Gemstone Deposits and Their Application to Yukon Geology
DIAND Open File 1996-2
by L. Walton

Yukon Territory Selected Reports of the GSC 1898 to 1933
GSC Memoir 284
Compiled and Annotated by H. S. Bostock

Geology of the Whitehorse Area
GSC Memoir 312
by J. O. Wheeler

Yukon Minfile 105 B, 105 D

Special thanks for geological discussions with the staff of the MDA and DIAND Offices in Whitehorse, and the staff of Aurum Geological, Amerok Geophysics, and many local prospectors and elders.

APPENDIX V

DAILY JOURNAL

Days

1997 YMIP PROSPECTING SUMMARY									
		Rocks		Soils					
Days	32	54		18					
To Go	0								
Days	Date	Area	Sub-Area	Work	Time	Rocks	Numbers	Soils	Numbers
Wednesday	May-21	Jubilee	Fire Tower	Recon	1				
Thursday	May-22	Jubilee	Fire Tower	Prospect	1	1	JM97-01		
Friday	May-23	Jubilee	Pennycook	Placer	1				
Saturday	May-24	Marsh	Judas Cr.	Prospect	1				
Wednesday	Jun-04	Marsh	Nic	Prospect	1				
Saturday	Jun-07	Jubilee	Pennycook	Prospect	1		Pan x 4		
Saturday	Jun-14	Marsh	Nic	Prospect	1	3	ML97-1 to 3		
Sunday	Jun-15	Marsh	Nic	Prospect	1	1	ML97-4		
Monday	Jun-16	Marsh	Nic	Prospect	1				
Tuesday	Jun-17	Marsh	Nic	Prospect	1	5	ML97-5 to 9	3	ML97-S1 to S3
Saturday	Jun-21	Marsh	Nic	Prospect	1	2	ML97-10 to 11		
Friday	Jul-04	Marsh	Syenite Peg.	Prospect	1				
Saturday	Jul-05	Marsh	Syenite Peg.	Prospect	1				
Monday	Jul-14	Marsh	Syenite Peg.	Prospect	1	1	ML97-12		
Friday	Jul-18	Marsh	Syenite Peg.	Prospect	1				
Monday	Sep-01	Marsh	Nic	Prospect	1				
Saturday	Sep-06	Marsh	Nic	Prospect	0.5				
Sunday	Sep-07	Marsh	Nic	Prospect	0.5				
Sunday	Sep-14	Marsh	Syenite Peg.	Prospect	1	3	ML97-13 to 15		
Wednesday	Sep-17	Marsh	Gap Uchi/Mike	Prospect	1	3	ML97-16 to 18		
Saturday	Sep-20	Marsh	Nic/Syenite Peg.	Prospect	1	8	ML97-19 to 26		
Sunday	Sep-21	Marsh	Nic	Prospect	1	5	ML97-27 to 31		
Friday	Sep-26	Squanga	Squan Lake	Prospect	1				
Saturday	Sep-27	Atlin Rd.	Snafu	Prospect	1	1	ML97-32		
Sunday	Sep-28	Squanga	Asbestos	Prospect	1	3	ML97-33 to 35		
Saturday	Oct-04	Marsh	Judas Mt.	Prospect	1	1	ML97-36		
Saturday	Oct-11	Marsh	Judas Cr. Road	Prospect	1				
Sunday	Oct-26	Marsh	Nic/Syenite Peg.	Prospect	1	5	ML97-37-41	10	L1-000-300/L2-00-100
Monday	Oct-27	Marsh N.	Gabbro	Prospect	1	1	ML97-42	5	
Tuesday	Oct-28	Marsh	Greyling Cr.	Prospect	1	2	ML97-43-44		
Wednesday	Oct-29	Marsh N.	Gabbro	Prospect	1	2	ML97-45-46		
Thursday	Oct-30	Marsh	SyPeg E.	Prospect	1	5	ML97-47-51		
Friday	Oct-31	Marsh	SyPeg E.	Prospect	1	2	ML97-52-53		
				Days	32	54		18	

WED

Arrive Fire Tower Mt. 12 PM. Road Good
Camp in clearing 50m S of old tower
SITE. SCOUT OUT AREA. SLEEP

↑
MAY 21/97

MAY 22

Thursday. JBM1 mg graywacke/quartzite

Strike N 70° E dip ~ 45° N

- gray with calc. on the base - fragment thin.

- very compact. Quite hard due to

weak silica flooding of c ~ 100 m wide on
dry hillside.

JM-Z ^{250m} West - same unit s. N 70° E - 30° - 50° dip N.

JM 97-01 Good @ 9/6 face in little pit S site
tower Road ~ 3800'. Seeps gray f-med grained
shaly wacke @ some small clams etc large.
In places calcareous/florey. Slight orientation
of biotite. Rusty @ base. < 1% fig. py.
1 cube 0.5mm seen. Some RUBBLE HAS QTC
WEINING 1/2" wide rusty. ~ 10% of sample is
this material.

SHP

FIVE CODE

5460000
6605400N

MAY 23 SUNDAY +10C light N wind 8 AM

Friday. Camp @ tower. Camp clearing

Road to Pump code muddy 1/2 way to
Cottages. Park Truck. And Take QTC

1/2 mile above MONT and left bank.

Big gravel pits & side with creek 150' below.
2 rows mixed bank gravel. Fresh bed.

2. 160m

5 4200m ~~water~~ still okay in base.

* alive mod. black sand.

Should store here. No q/c

Ind. getting m.g. seeds 1/2 way road
to shore N side rd

SAT MAY 24

PASPECT QUAD 120 TO CAMP

CLAMS. NO SAMPLES. VERY

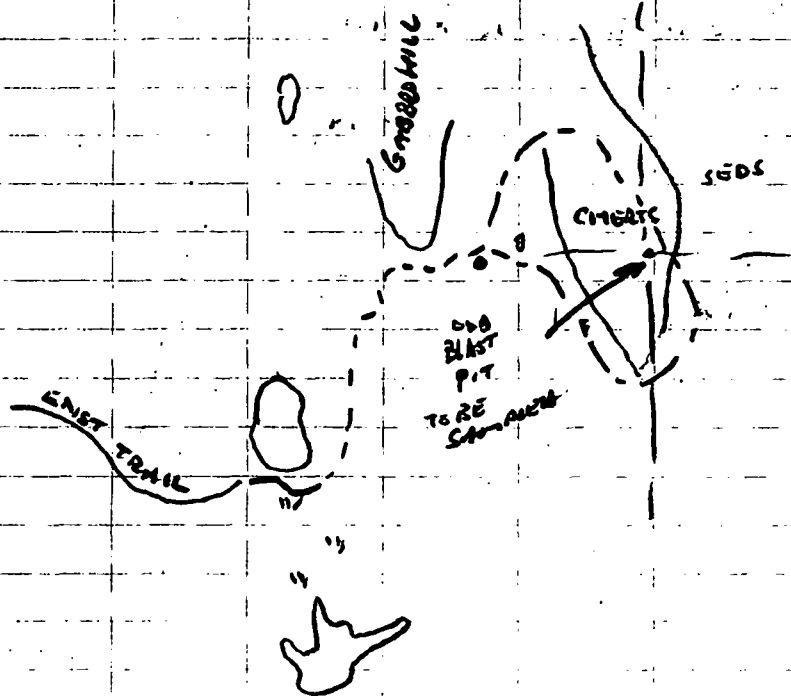
POOR. Dry CR RD 1/2 way 100m

ABOVE. CR. Come BACK WITH PUMP

LAYER ON. SEE TRAIL MAP

MOISTLY BAR. MORE VOLC.

June 4/97 Wed
 calm part. clouds
 Recon new good trail to Lakes Post
 Uchi (old N.E. Claims). Park
 Quad @ G-8888 will recon to NE.
 Good looking G-8888.



SAT JUNE 7 77

DROVE UP PENNY COOK STOP @ WORKINGS

QUAD UP TO UPPER UNDERMINE CLAIMS

WATER TEST PANS x 1.4

N

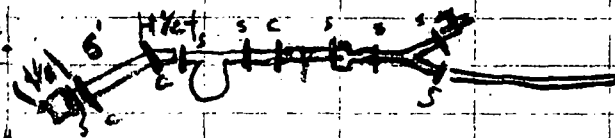
Penny cook Cr.

mom

750 100 200 7200

1
2
3
4Py
Py. Gm
Py. GAL
GAL Py

all black sand & 61. spoon f.g.

S = clamp good or threaded 21
C = CAMLOCK PAIR

4' SECTION HOSE 8'

4 FOOT VALVE

4' CAMLOCK PAIR AZ

Intake

3" CAMLOCK PAIR

3" - 1 1/2" Reducer

1 1/2" VALVE

1 1/2" NOZZLE

Discharge

Hose 1 1/2"

* most popular cheapest fire hose

SAT June 14 MARIANA

Sunny mod. SE-SW winds occ. clds. +17. but cool.
Mosquitoes,

ML-97-1 542720E 25m NW trapping
6705597N trail in area of o/c

GRAB

SESS. MICACONOS, DEK. fg. mg. @ 1-3mm
bands coarser gr. ls. 1% py. somewhat
rusty. Occ. greenish epidote splitch. 5mm.
Also occ. porphyroblastic(?) biotite Kfs
to 1cm. Strike N dip vert to steep W

ML-97-2

ridge ~100m SW
of ML 97-1 good view

GRAB. OVER FC 2m

Rusty cherty SESS. in place @ almost BIF look
but is not BIF. vfg. glassy showing some
contortion of chert bedding. Dek. color.
vfg py ls. 1-2% Strike N dip vert. to steep W

ML-97-3 542569E

6705706N

GRAB SAMPLES

~150m N of ML 97-2
of ridge on 3m cliff
edge of sparse scrub

Grappa - mg. abundant biotite. Rusty magnetic
upto 1 1/2% Py, Po (?). Mild sh. some
vertical and perp. to cliff face. Cliff face
may represent small fault.
Follow gully N. Ceres cherts

go NW over chert o/c bandal sh. ENE vert
find Nick down line go NW till

Find Pore #2 nick 21 Post 2 Nick 22

Post #1 nick 23 p. 11 Nick 24

May 11 1996 RS. Per. dabl.

* 100m below path find chert ridge @ pp. 2-3
head S. to SE side of vfg. ridge to change
little like. Find. magnetic iron @ better shaped
max heat. xtds. interesting
Head S. to Quad.

SUN JUNE 15 Sun Perfidious + 17 Sunbird

NIC CLAIMS

X CUTTING EM @ LAKE EXT. S. 542.250

EMX-E

6705500

ML 47.4 GRAB

190m 316 from
EMX-E.

Chert. Rusty 71% Py. as silver stringers
1-2m wide and brass cubes up to
3-4mm wide. Rusty some hematite
and 4mm blue gta infilling
weak to mod. bedding @ 140° to vert dip
Noty over 10x25 %.

Continued to EMX-E then SSW
to chert ore bedded with replacement
features 1-2% Py. small in gully
with fresh f.g. andesite dyke 1-2m wide
@ Py Cp. mte.

EMX-NE ZONE

Mon

JUNE 16

MARSH LAKE

NIC

Cut 100m trail from gully trail
to CUT TREES ACROSS GULLY and
PULL STUMPS OUT WILL
TRENCH SAMPLE ASAP

From ACAD HELI SURVEY

MAG LOW - 543298 E

6704815 N

EMXNE - 542192 E

6705500 N

EMXSW - 541835 E

6705213 N

MAG HIGH - 542595 E

6705940 N

vert grad high spot 542652 E 6705965

26 APR 11:30 PM

2000 CALIF RAIN

TUES JUNE 17

ML EX-NE ZONE

S=SOILS

SOILS

27

COLLECT SAMPLES ALL GRABS

ML-97-5 RUSSY FOLDED CHERT @ PTZ 25' to 50'
CALCITE - 15% TR - 1/2% PY @ RUSTY REMAINS
CONVOLUTED FOLDING & CHERT

ML-97-6 AS ABOVE MORE PTZ

ML-97-7 HONEY D. g. mafic dyke?
(AL/D. SAYS BASALT) to PY
MAL. STAIN RARE

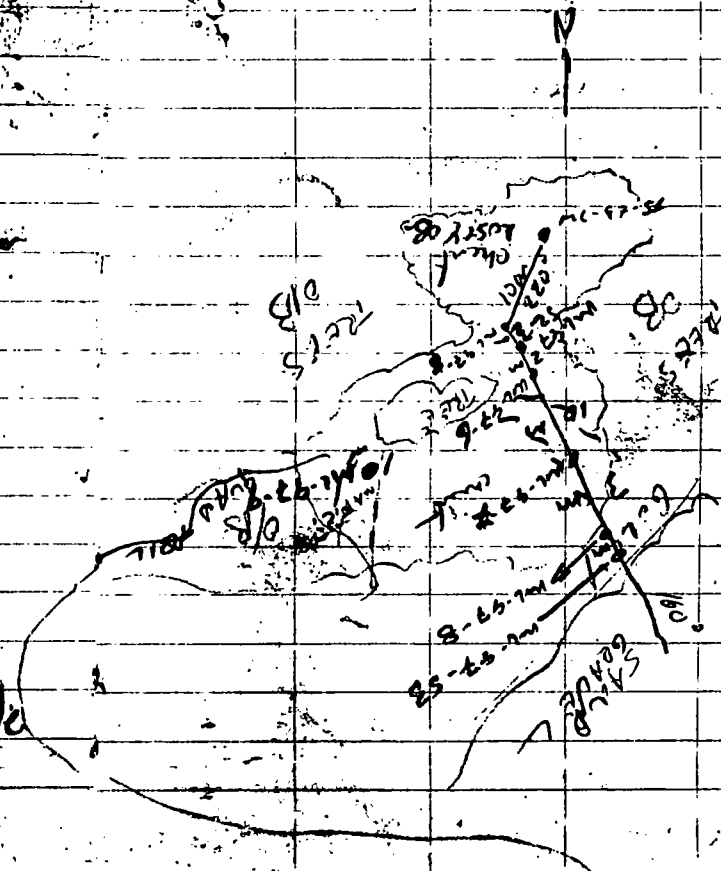
ML-97-8 AS ML-97-5 and ML-97-6

ML-97-9 As ML-97-7 @ more etc in wide
chert both sides

ML-97-S1 10cm rusty sand @ CLAY
on top chert etc

ML-97-S2 2m wide gully 8' in deep
through reddish sand/chert

ML-97-S3 0.3m deep reddish blande
sandy clay @ acc & lean
chert frag.



SAT. June 21/97. UCHL. PROXY EAX ZONE
 Sunny, Hot, clear blue sky. Clear

PROXY GARDEN AREA - Prepare BL
 See JUNE 22 NOTES.
 - grubbed some areas

SUN. JUNE 22. UCHL. CUT BL EAX ZONE
 SE winds, clear Hot

- cut EAX BL (sandy) - exposed @ hip chain
 map, strip, etc. samples

ML-97-10 comp grab over 1.5m of C

Shoreal blue black chest near grubbed
 intrusion contact zone? 21m wide

X-cut lamp dyke. Shearing at 50° vertical
 Rusty @ matrix sulphides.

ML-97-11 as above comp grab over 2m of C

NOTE STAKE GAT
SOMETIMEJuly 3, 1997 Mike Clancy MIKE 2

SPM- 10:30 PM PROSPECT SOURCE Intrusive

Detailed prospect S. intrusive - med. - coarse
gc. - Pinkish white - pinkish grey weathering
Exopholite curved to south. curved weathering
10-40 cm "sheets"

Biotite - 2mm x 10mm flat blade 5-20%

Biotite - yellowish white - 5-20%

weathering rusty

Mica - metallic weathering 5-15%

puss. muscovite?

Feldspar - white, weak Fe 10-50%

thin, pinkish over

1-3m areas.

Feldspar - opaque - translucent 5-15%

Nepheline - whitish, restiliner to

len.

Qtz - possible milky 5-10%

Sulphides < 1% puss. clastic Py or
blackish weathering Fe sulphide

Occ. Fe stain poss. from Biotite rock fractures

Occ. 10-20cm shears to claim line. Med.

Coarse gc. phases near shears.

THURSDAY July 4

PST Nick + Chi

1st Sunday
Thunderheads

End trail 537.4 to E off aster into
spruce. follow aster
@ 315° turn left 90° for SDR

537.8 on aster after turn 330°

538.0 and aster. Tension Tonic

538.1 on dc rocky dirt near
me 97.2538.15 off rd ridge in to charts
and Nic. & room

538.4 rocky chart

SAT JULY 6 POSSED TRAIL TO BASE OF SYNATOR

- REBAPTIST HILL NEAR FINE LAKE

CRAWLER ROAD
TRUCK ENDProspect N of from trapline closer
to swamp base of hill.Sunday
July 6 Mound fixed gravel through shire
on Siborne claim. Road up Cr.

July 11 10 AM

Monday Road up trail to Spring Pyramite.

WAYPOINT K1 543459E 670552N 2646 ALT

NW of Lagoon Swamp.

- end trail in Synator Pyramite Paper. TARD
WANK SAMPLE, WILL SAMPLE 1877000

WAYPOINT K2 543846E 670600N 279371 ALT

ML-97-12 on Nic claims claim line. Old

542512 E
6705981 NFast pit - very old. rusty lg. cherty
sat (w) up to 2% Py. poss Asp
Silicified hard. Strike 85-95 vertical
Composite Grab over 1.75m trench in
Locate on large dirt ridge in pines

JULY 18 Fri 197

AL TO DANIEL MUSIC FIRST. TOOK ROAD TO BASE OF HILL

TRIP LOG HOME 573.6 km

Knob 578.5

Note Stop 579.2

Blast Pit 579.55 - ML-97-12

ML-97-2 579.9

TRAPPING
2nd TRAIL 580.15

ESKORTED 580.3

ENDSHER 580.6

SINCE XL 580.95

GEO PLAC 581.3

ML-2-16 581.4

Ridge 581.5

ALDOR 581.5

SWAMP 581.8

E SWAMP 581.8

BASE HILL 581.9

PULLED. FITTING OF OIL, COALITE HAD TO UNDO HASE + PLOG.

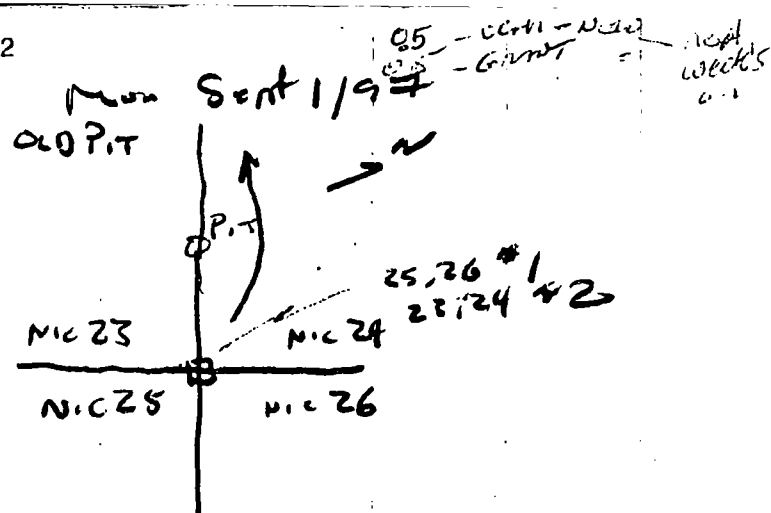
VERY LOW OIL NURSED HOME. STAPPO LOTS NEEDING TO

LET GOOD COOL. PROSPECT AT STARS. SHOULD TAKE

MORE SAMPLES ON BLAST PIT CHART ALSO READY

TO MAP (W) MID CHART. FULL DAY NOT MUCH

DONE. 1 FUEL.



old Posts 019325 4 NOTAS

- TRAIL 0156 N

RUN PROPOSED & NW 500' SW IF

NIC & GABBERO RUBY SAMPLE

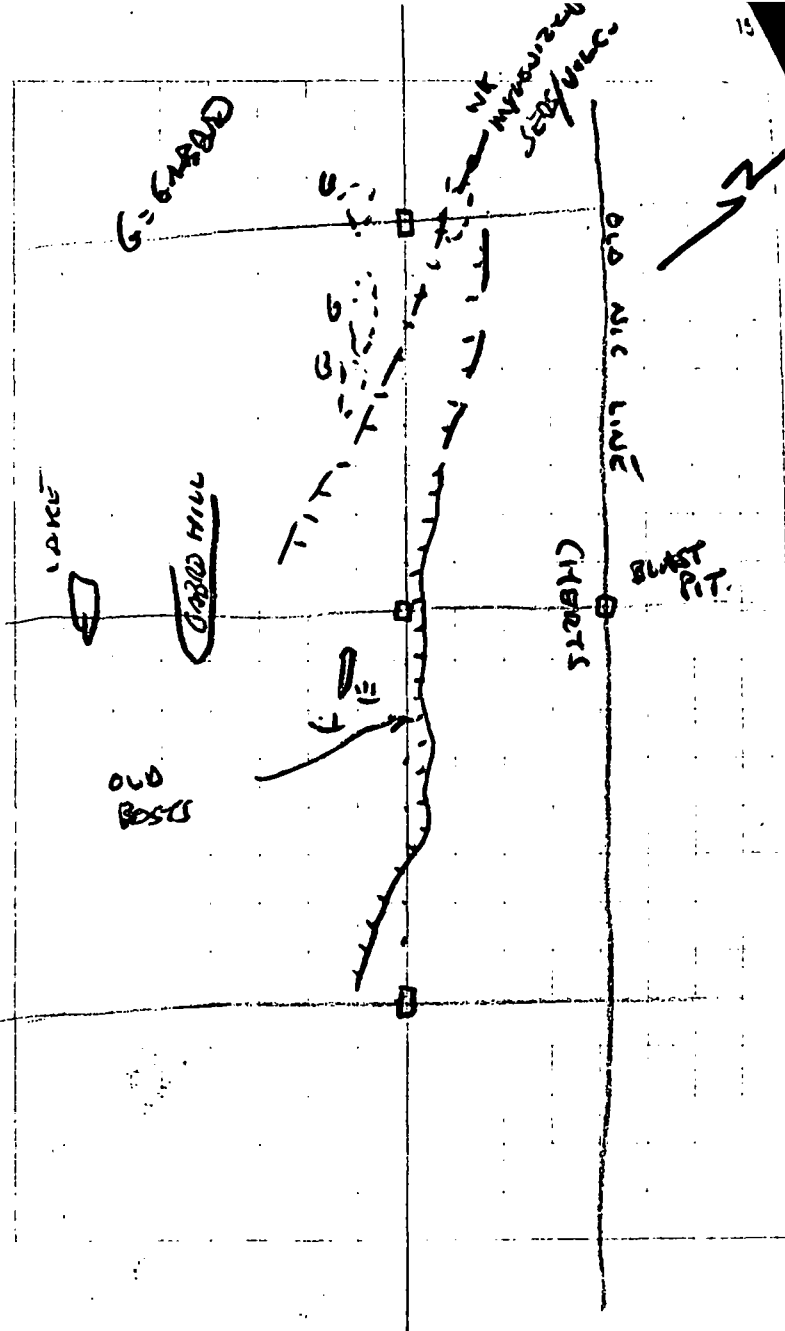
LATTER. DIFFERENT THAN GABBERO HILL VC.

PROSPECT

Sat/Sun ^{SEP} 6/7 92.

$\frac{1}{2}$ day each day stake Uchi 25-28
4 claims.

$\frac{1}{2}$ day each day Prospect on way Back.



(Sep 14/97)

@ END QUAD TRAIL SYN. PEG.

HEAD N50°E

0+00

0+50

0+100

0+150

0+200 ML 97-13 GRAB OF B/R UNDER

TREE ROOTS. M.G. SYENITE RUSTY

BOTITE COMMON IN FIELD. LIGHT GREEN.

OCC. MUSCOWITE. TR. Y₄ PY +

OTHER F.G. SULPHIDES, OCC. - RARE

4 mm greenish spot Mt or CROM-
MICA.

THEN HEAD 90°A

0+450 SPLICE / PINE ALDER SWAMP SYN. PEG.

FLOAT

HEAD 040°A 50m. - SYN PEG O/C 2m

MONOT.

THEN HEAD. OBS FOR 200m

ON O/C BENCH.

255-A2
270650m to quad 17
610m " "

GPS HERE

ML 97-14 : GRAB SYENITE PEG.

O/C TYPICAL FLOURITE? PURPLE

544406	6706064	4:59 PM
413	066	
423	069	
479	088	5:00 PM
475	176	
465	123	5:03 PM
462	180	
458	05954	
466	06004	5:05:20
544450E	6706087 N	

WALK BACK TO QUAD 100-700m S of LINE.

DRIVE TO ML 97-12 AREA.

TRAIL CIRCULAR MAG HIGH 542725E
6705875NHEAD Az 110° ~ 220° to gully side in
SW side + NW side

ML 97-15 POSS. SED / SYN PEG * *
 CONTACT, SILENT, UNCHANGING
 QZ ~~2000~~ RICH STRIKE 140° A
 ~ VERTICAL DP SURFACE @ BIA.
 1-4% Py (PO?) 1.4mm klobs
 rusty.

542744 E

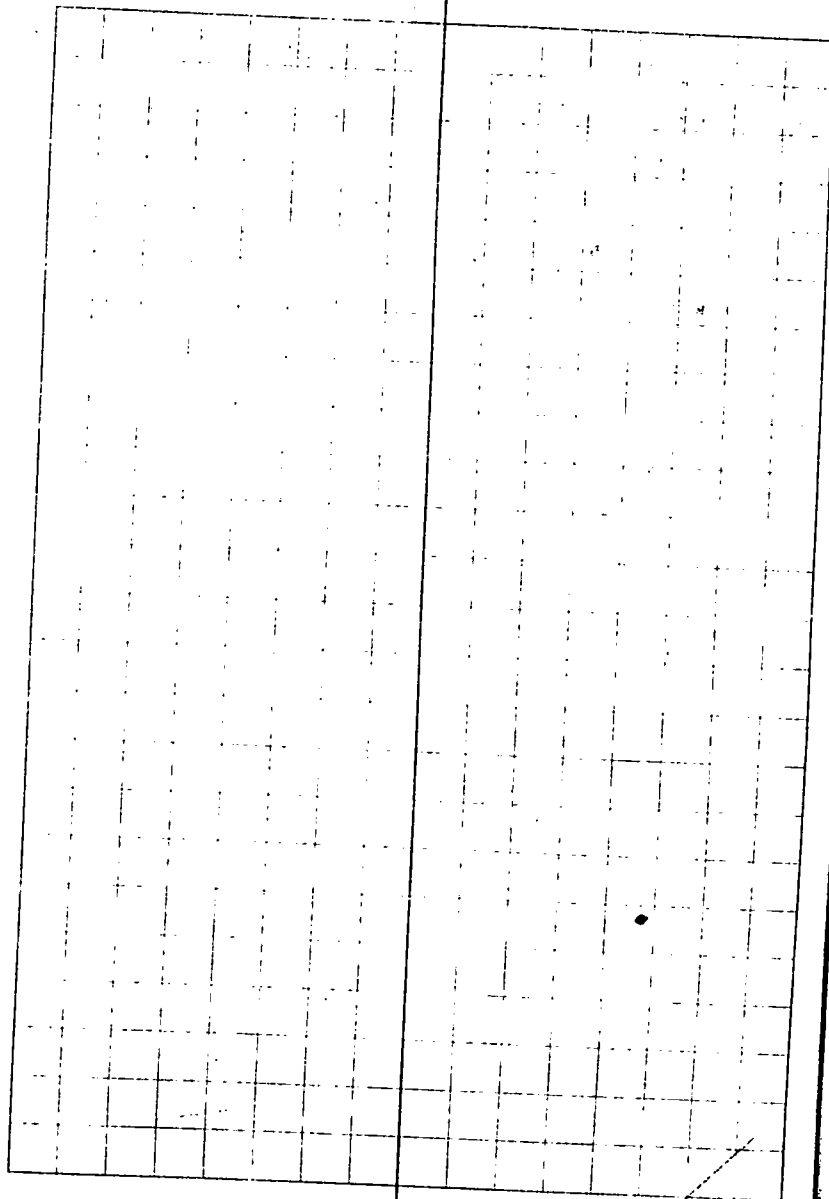
736

542743 E

6705976 N 7:04:22

06016 7:06:00

6705992 N



23

—

—

19.

 z_n 

27

ML-97-19 ALT SEA, WHITE TAN, SUCROSI
 SANDSTONE 272 (CLAB?) TO A
 DARK BAY MICASOLS, SEA.
 RUSTY ~~SHALE~~ OF UNIT / SHEDDING?
 ~ 50° Az VERTICAL DIP. AREA OF FOLDING
 ?? GRAB OVER 15m ON S. O/C FACE.
 TR. 1/2% Py (Po?), ~ 50m @ 330 TO
 ML-97-15

ML-97-20 CHERTY / MICASOLS ALT. SECS
 SILICIFIED POSS. ORIGINARY CALCAREOUS?
 POSS. V.F.S. SULPHIDES IN MICASOLS
 AREAS. GRAB OVER 2m o/c
 25m S OF LAKE ON E. SIDE
 OF GULLY. STRIKE OF UNIT ~ N-S
 VERT DIP.

ML-97-21 (limon) micaceous SECS @
 SUGARY QV (?) WITH @ LEAST 10cm
 white @ BKG OF CHERTY DARK WALLROCK
 GREENISH BUT DARKER THAN FUSCHITE
 POSS. LISIVANITE ?? . TR. Py. Rusty
 GRAB OVER 2m of O/C.
 ~ 125m @ N20°E TO ML-97-19.

STRIKING ~ N20-30° E VERT

ML-97-22 GRAB OF Q/C @ OF 91
 ON 45° Az LINE. MICASOLS
 FOCIALIZED BLACK F.G.-M.G. SEP.
 1/4-1/2% Py, TR. Cp, TRACE. MAL
 POSS. Po. CLAM QV
 STRIKE ~ 130° VERT TO SW
 80° DIP. GRAB

BACK TO QUAD - LUNCH.

ML-97-23

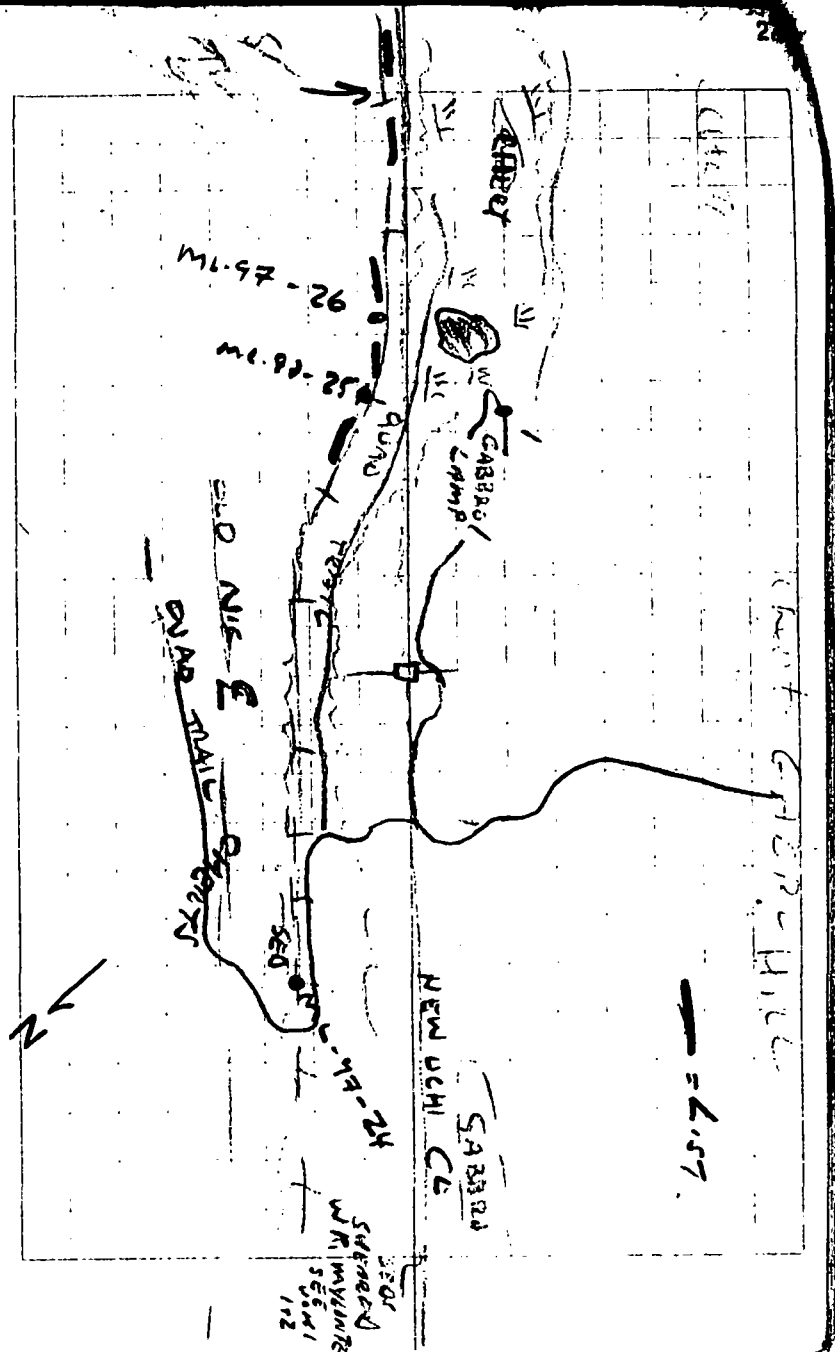
GO TO OLD BLAST PIT. RESAMPLE
 ML-97-12 (187ppb Au) GRAB
 OVER ~ 0.5m o/c. STRIKE
 ~ || TO CLIM LINE (R. Berdahl)

* ML-97-24 GRAB RUSTY SECS. POSS
 CHERTY / F.G. SHALEY / CHERT @ 10% SUGARY
 WK. VUGGY QV @ UP TO 5% Py
 blebs and 1cm MASSES. ADV (< 2cm)
 FROM QV. POSS STRIKE 120° Dip 1/2 VERT
 GRAB OVER 1m o/c. POSS - GALENA.

ML-97-26 QTZ CARB LIST ACT *
 F.G. - MG. QZITU SED/SHALY-CHERT.
 FAULT CONTACT. Bx4 GREEN CHRM.
 MICA 1-2% 17y POSS. CP. GALINA.
 GRAB OVER 1m OF dk

ML-97-26 AS ABOVE N 25m SW
 ALONG SAME 2m HIGH LIDGE.
 MORE LIST AND CARB FEWER SULPH.?
 GRAB. NO HAND SAMPLE

WALK 150-200m SE ALONG LITTLE VALLEY
 GOOD QUAA ACCESS. STRONG V. RISKY LIST
 ~200m DOWN.



SUN SEPT 21/97

PARK QUAD ON LAMP KNOB LITTLE LAKE
HEAD SE ALONG SW SIDE OF LAKE
DOWN DRY OVERGROWN FORMER DOMINAGE.

STOP @ ML-97-3. UNIT IS SEDS
VARIABLE FOLIATED WK. MICACEOUS, CHERTY
BLACK APPEARANCE. "BAKED CHERT @ 1/2 g. m. g.
MAFIC < 2m SED UNITS." (WK ALT. GABBRO
APPEARANCE IN PLACES. BUT MOST LIKELY SEDS
AT SECTION OF CHERT WHERE IT IS
GETTING PERIODIC MAFIC RICH TARRIDITE (?)
DEBRIS.) STRIKE 90° Az Dip -60° N
WK CURVILINEAR. FAULT SCARP WITH THIS
SIDE MOVED NORTH.

TIE OFF 0+00 HEAD Az 145

0+50 1/2 10m to R/L

HEAD Az 120 SAME CHANGE

0+100 O/C 5m L

0+125 TOE OF O/C

0+150 ON TALUS / GRASS SLOPE OPEN O/C AREA 25m L

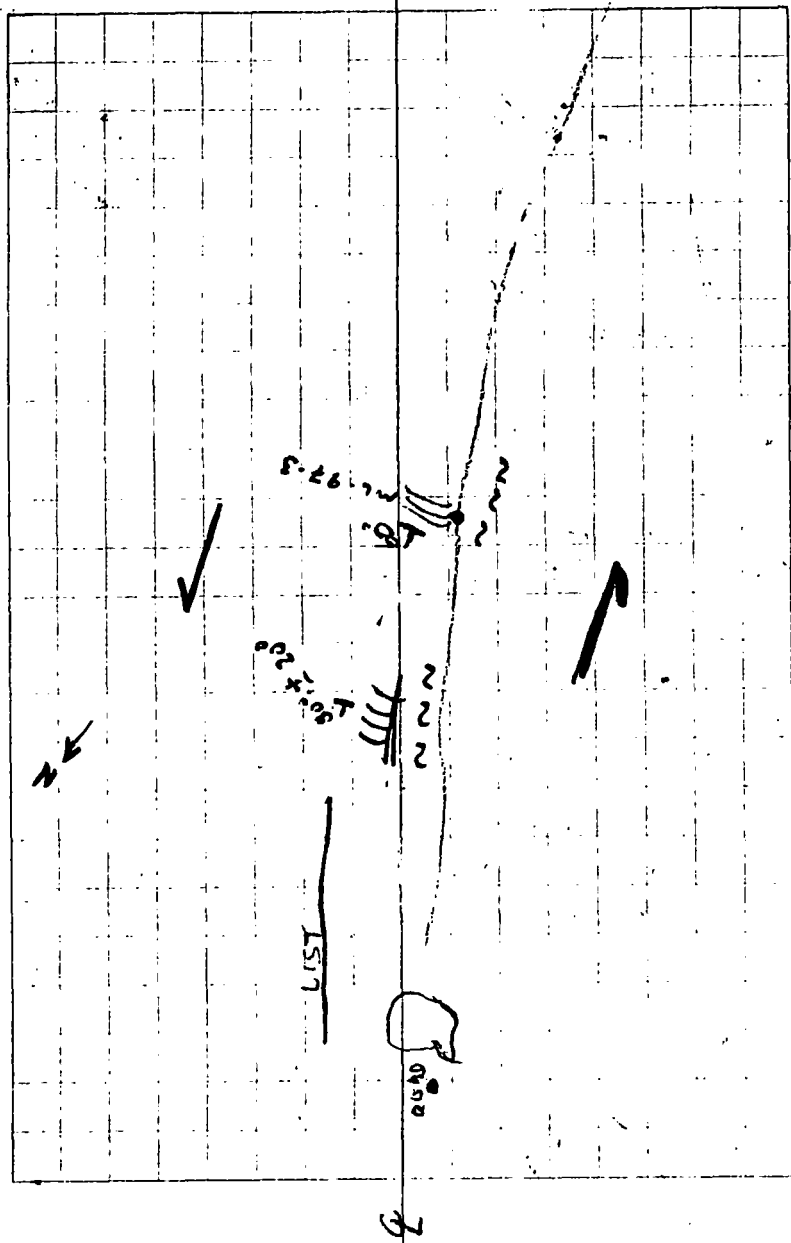
0+200 IN OPEN TREES

0+238 TRAPLINE TRAIL HEADING NID W

QUAD TRAIL / STAY. ESHER 25m L

OPEN MIXED BUSH

END WALK BACK TO 0+00



@ 0100 (ML-97-3) TIE OFF 0100 HEAD
340° Az

0100 ML-97-3 5m R.

0150 RIDGE 5m R LITTLE SED O/C

0100 BANK 2m R. NO O/C. TILL N 30m R

0125 ON BANK TALUS/O/C(?) WK LIST

ALT BKA SILIC M.G. SEOS FELSIC

0150 NOW ON TOP OF 2m HIGH TILL BANK
NEST IN L.

0168 ~~BACK~~ START LIST O/C 1/2 WAY UP 2m BANK.

0195 END LIST O/C. TOE 2m BANK

0212 TOE BANK

01300 ALL ALONG TOE TILL NEAR LAKE.
285° TO QUAD.

01325 SEND LAKE ~ 60m R.

01350 END LINE @ OLD POSTS. ML-97-26 20m

@ 340° AND 6m LEFT. ML-97-25 ~ 15m

@ 340° Az OF ML-97-26.

BACK TO LIST. QUAD 3 ~ 60m @ 275°
NEAR LAKE)

SEND LAKE 230°

TO LABRID HILL ~ 270°

SEOT
CHERT 4' FROM 01225 60m L
TO 01275m 60m L - 20m N. AD
2m HIGH ROCK MOUNTAIN

ML-97-27 LIST O/C 01170 AND 3m R.
DIST ALT SEOS (WK. MOD) 1/2 FISH TO
TRACE Py (SULPHIDE); KITT? SUBADY 302
SILICA CARB?? (HAND) 202 MATICS
BKA OF INTIMIDATE FG. M.G. CLASTIC
SEOS (POSS WK. CALCAREOUS? OR LATER
CARBONATE?). GRAB OVER 2.3
m OF TALUSY O/C. RISTY.
STAIN ~ 60'A ESTIMATED AS ML-97-3
INDICATING EAST SIDE N. DIP ~ VERT-80'S
SEOS SHOW BEDDING 5-20cm. (WATCH OUT
FOR POSS COOLING JOINTS.) NO HAND SAMPLE

TIE OFF 0100 @ ML-97-27 HEAD 70° Az

0131 TOE 4m TILL/CHERT TALUS BENCH.
RUNNING 350° Az -

0176.1 HIT NEW CLAIN. 56.7 @ 150° Az TO POST.
ON CHERT/O/C SEOS

0+118 CONTINUE ON CHERT RIDGEY o/c.
STUKES $\sim 120^\circ \text{Az}$. VERT DIPS $\pm 15^\circ$

0+131 GLASSY BLUE/WHITE CHERT $1/2$ to Py

0+158 QUAD. TRAIL

0+218 R. BENDABLE & POST 20m @ 150°Az .
BLAST PIT 330°Az

END BACK TO QUAD.

GO TO S. N. UCHI CLAIM POST FOLLOW
NEW CLAIM LINE BACK @ 330°Az

0+00 TREES / CHERT

0+30 CHERT OPEN o/c

0+56 TREES MIXED CHERT o/c.

0+113 OPEN CHERT o/c

0+153 END CHERT o/c ML-97-28

LIST ALT. (WH-MOD) CHERT OR PHYLLIC
CHERT. TO Py SILICA MOD-HIGH
STRIKE/BEDDING $\sim 90^\circ$ DIP VERT 30°N
GRAB OVER 1m o/c. Bench 3m
CURVES OFF $\sim 50^\circ \text{N}$. (OBLIQUE STRUCT.
ON N END?) NO HAND SAMPLE

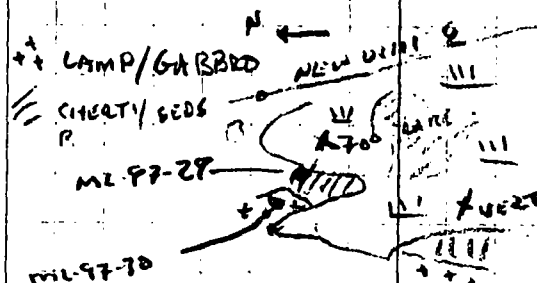
0+240 OLD POST & 340°Az CINE
TOE BENCH

0+280 N END LAND 25m L. BENCH 60m R
INTO LITTLE MEADOW N. END LAND

0+309 EDGE MEADOW INTO TREES

0+336 LITTLE CHERT/SED o/c. COORED/HORNFEEL?

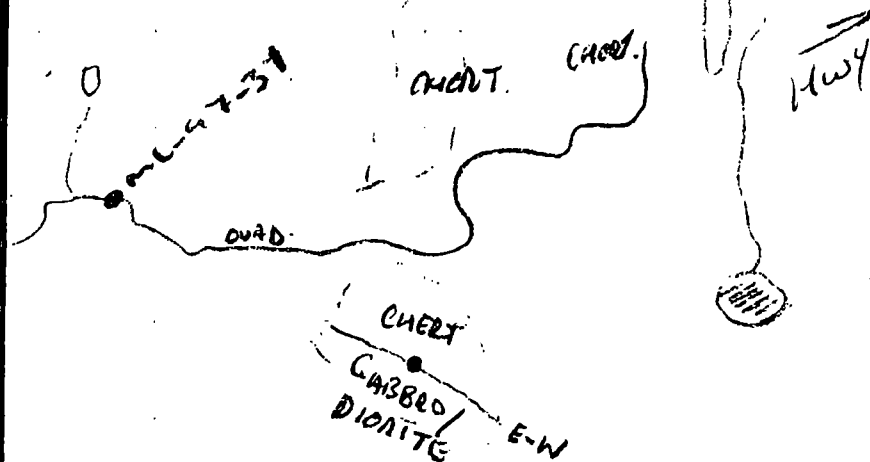
0+370 POST. UCHI 25-28



ML-97-29 CHERT-BACKED PHYLLIC (SHALEY)
RUSTY. 90°Az STRIKE 70° DIPS.
TYPICAL OCC $< 1/4$ to Py. 5-20cm BEDDING
GRAB OVER 1m OCC
NO HAND SAMPLE.

ML-97-30 WIERD LAMP FRESH
CONTACT @ CHERT $\perp$ TO BEDDING
FILLS JAGGED BEDDING AS
ALONG FAULT REP GRAB

ML-97-31 CHERTY/SHALEY AC ~ 75m
 W ALONG QUAD TRAIL FROM NEW &
 GRAB. RUSTY STAIRS 150° Az STEEP DIP
 TO E. ON E. SIDE OF GULLY BASE OF
 GARROD HILL.



JO-MACINA

- TAGISH FIRE TOWER	214
- NEED LAKE	178
- S. LAKE	247
- E. BAY	~ 220°
END BIG ISLAND	236
SYDITE HILL W. KNOB	293
" " E. KNOB	940
MITCHE PR.	75°
NANU FIELD	80°
	170°

RAW SUN COME WARM

SEPT 26/97 DRIVE PAST SAMPLES TO GRAVEL
PIT/PULL OFF AND CREEK 1km ALCANTARA
PARK TRUCK. WALK TOP OF GRAVEL BANK.

GPS - 567520E 667499N 11:01:00

2500	4988	01:55
434	923	03:30
470	885	04:26
457	891	05:12
451	907	5:33
452	920	07:20

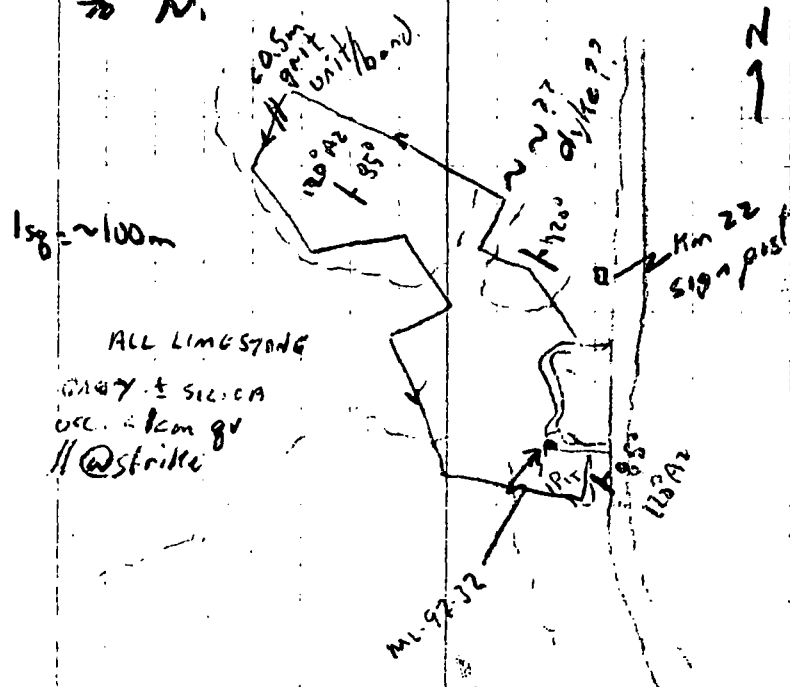
HEAD N UP W. BANK OF CREEK (50-75m ABOVE
CR. STRIP GRAVEL). GO 1km OCC. GREENSTONE
FLOOD. HEAD WEST. FROM OPEN MIXED
GROWTH TO THICKER SAGUO SLIGHT DOWNHILL
~300m HEAD SSE TO BANK AT START.
WANDER ACROSS GRAVEL BANK DOWN TO
TRUCK. WALK DOWN DRY CREEK ON W.
SIDE SPRING FLOW ONLY NO Q/C.
EVIDENCE OF OLD LIM DEEP TEST PIT
+50 yrs old.
CHECK O/C 1km TOWARDS JAROS
BKAUT. F.G. HOT RRA FLOWS. GREENSTONE
TO WR. AMPHIBOLITE

SAT SEPT 27/97

DRIVE DOWN ATLIN RD. STOP
GRAVEL PIT W. SIDE ~1km N OF
TURN OFF TO GILBERTS

ML 97-32 GRAB. SINGAPORE
PYRITIC LI-ZST GRAPHITIC SHALE
W. OCC. CHERTY BANDS. Py
AS < 2mm CUBES.

RUSY STRIKE 140° DIP STEEP
TO N.



Km 581.8

85.9

92.3

96.0

PIT/ML-97-32

SHAEV CAMPGROUND TURN OFF

TAREU CAMPGROUND TURN OFF

Km 36 sign post.

go 1 km past Hitching Post turn around

612.8 SHAEV CR.

13.8 GILBERT TURN OFF

14.3 TRAIL TO G.

15.3 PIT/ML-97-32.

SUN SEPT 28/97

SUNNY CALM OCC. SHOWER.

GEESSE IN BIG V'S. 750% LEAVES OFF
AT TRAIL NE SIDE ALASKA HWY. 1.5 km
S. OF PULL OFF / SQUAN LARG.

PARK TRACK @ FORT 500m IN
OUT ON ROAD TO FOLLOW TRAIL.

ASBESTOS CONTAMINATED ??

TRUCK 563721E, 6696482N, 2993 EL. 12:11
(GPS) 216 433 12:38 =

ARRIVE TOP OF MILE @ OLD TRENCHES

Post Km 758.2

*1 Y66868,67

*2 Y66865,66

GPS @ TRENCHES. 563723E 6697899N
6.11 km @ 15° Az TO TRUCK 4:26:22

ML-97-33 GRAB SAMPLE FROM

TRENCH. SERP. ULTRAMAFICS 1.5mm

ASBESTOS VEINS. SHEARED. SIMILAR
TO STUFF ON MIKE 1 CLAIM

ML-97-34 REP. GEAR. D.S. with ALT. POSS. GABRO
DIKE. RUST BAKED PRUNABLE. NO HAND
SAMPLE.

ML-97-35 GABRO DYKE RUSTY.
SITUATION ALSO SEPA ADJACENT.
TRACE. Py. GAB.

SNOW SQUALC.

TRAIL LOG:

758.8 km Posts.

758.4 end 50' AZ TRUNKS.

759.2 BASE HILL/COMP/CREEK TO N. OUT
OF MEADOW

- UP SIDE TRAIL TO EAST -

60.15 END SIDE TRAIL

GPS. 564984E 6698289N S15.36

961

389

959

381

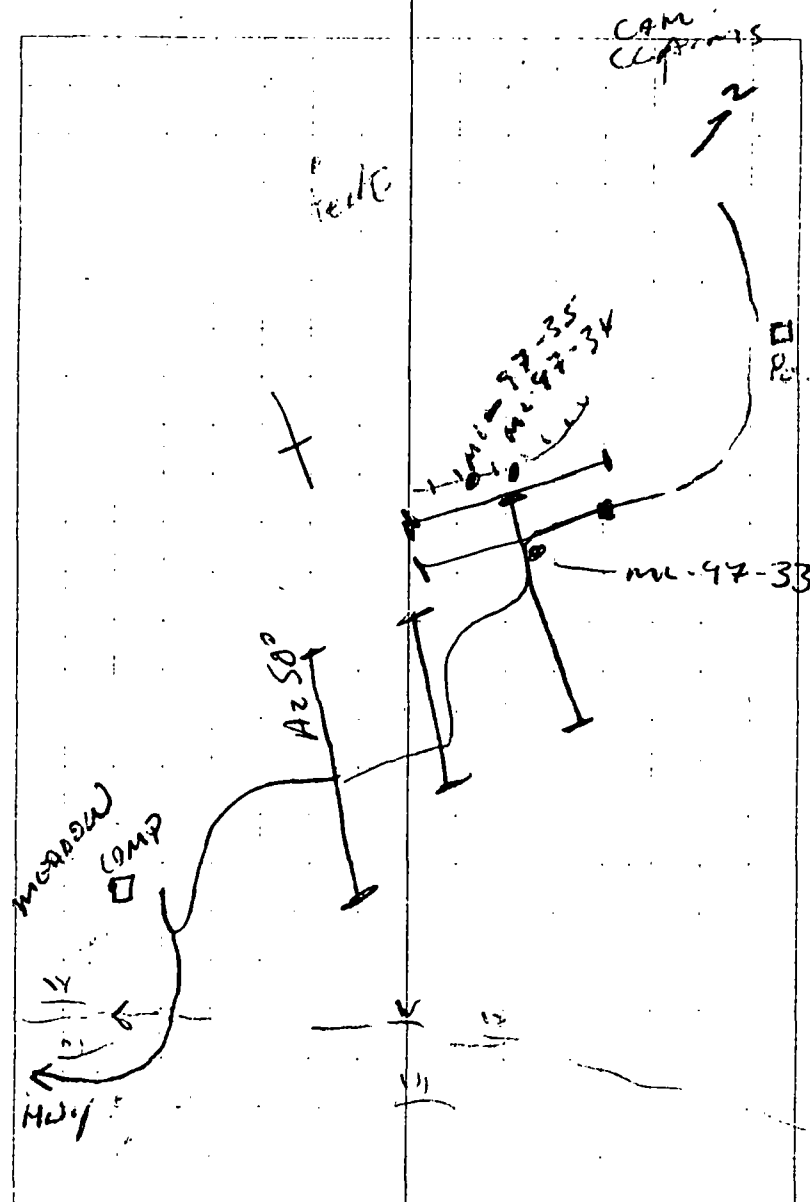
S17:51

60.4 MAIN TRAIL JUNCTION HEAD TO TRUCK

61.7 TINY CR. THAT DRAINS MEADOW

62.5 LITTLE CREEKLET MUDDY

62.6 DRY CREEK LOT OLD WHITE PAIL



SAT OCT 11/97 -10°C - -4°C ^① clear & sunny
1 km up ~~to~~ 1500 ft. logging road
1 km to R on trail

WALK DISCONTINUOUS LAGGED PILLOWED
AUTO GRAV. COLL - GREEN SAND. OCC
SHEARS & 0.5 m wide dry no gte.
SUB-PAR. to PERA TO BEU STATION.
NOTHING WORTH SAMPLING. MAYBE
DO SOILS ACROSS GULLIES.
LONG DAY COLD.

Sunday ~~10°C~~ -15°C SPIT + RICE
WOOD @ BEU
MONDAY GET LOTS OF WORK.
LITTLE WARMER.

SUN OCT. 26/97

PARK QUAD BASE OF SYREH HILL.
WALK TO 0+150 NSD°E ~~RE~~ FLAG.
(SEE _____)

START SOILS HERE TO QUAD 50M

LI-000 REDISH SOIL GRITY ^{0.3m}~~0.5m~~ DEEP - ROCK

LI-100 REDISH as above ^{0.2m}~~0.3m~~ 0.1m

LI-150 LESS RED 0.15m

TIE OFF 0+00 ON HIP CHAIN

LI-200 LESS RED WR COAG. 0.1m

LI-250 as above more red/brown 0.3m

LI-300 25 part good in ~~1/2~~ interface
reddish black 0.15m

END HERE. HEAD TO CHERTS

@ 0+150 NSD°E

skip 0+100

@ 0+50 NSD°E

@ 0+00 NSD°E LINK

ML-97-37 GRAB

ALT. CHERT GREENISH TAN 22mm QV

FRACT TILLING $\frac{1}{4}$ - $\frac{1}{2}$ % Py (P)

as f.g. needles/blebs.

<10cm 1-4% SULPHIDE "POO"? SIMILAR
TO ML-97-12? STRIP HARD
NEXT YEAR.

ML-97-38 ADJACENT TO ABOVE GRAB.
LAMP SIMILAR TO THAT NEAR LTL
LAKE. THIS IS CAUSING SULPHIDES?

GO TO ML-97-12 BLAST PIT,
HEAD N DOWN SMALL GULLY.
TIE OFF @ PIT 2100 SOILS

L2-1025 1.5 lit. red/ben 0.15m
L2-050 Ben. 220° Az to last. 0.25m
o/c 3m R
L2-075 Red/Ben 170° to last/o/c 10R 0.2m
L2-100 Lgt. Red/Ben 190° to last 0.15m

ML-97-39 GRAB RUSTY

CHERT @ CONTACT @ SYN PEG/LAMP

MG SUB UNIT MORE RUSTY
GETTING DARK.

ML-97-40 LAMP BIOTITE MG-FG
LX PORP TEXTURE @ LARGE
BIOTITES.

BOTH ~ 150m N OF LAST SOIL
SAMPLE.

ML-97-41 CHERT / K.G. SED
CONTACT? BACKEN RUSTY 7R.
Py/PB GRAB.
10cm W L2-075

Mon 08/27/97 SUN/CLOUD - CALM 11°C

@ GABARD NE ALASKA MNG. ACROSS FROM
ML ISLAND.

PARK TRUCK @ SEMI-PULL OFF HIKE
IN ACROSS GABARD ~ 1/2 MI TO BIG OPEN O/C
AZ HERE TO S. TIP ISLAND 2240

- JUDAS MT. 153°

- FIRE TOWER 165°

GPS	533016	E	6712441	✓	28:08
□	027		484		28:45
	32930		319		
	32995		450		3:12

L3-000 0.15 depth tan reddish clayband Burled
TIE OFF HEAD 215°A TO S. TIP ISLAND ASPEN

L3-025 0.15 1st tan/reddish under old stump

L3-050 0.25 65% ASPEN IN ASPEN

L3-075 0.3 GRAVEL RUST WOOD

L3-100 0.2 125% ASPEN

ML-97-42 @ GPS ANT. REPROB OVER 2m

RUSTY FG-MG GABARD @ AMYGD (4mm) gtz/epidote
filled Amygd. Biotite 4mm. Wk. LAMP
-DIAPYCNITE TEXTURE RUSTY 1-2 12/70.

X-ROCK

0-50.1

80 PROST.

N 150R = 50m 21

Hand

N

120°

125-100

ML-97-42

320°

L3-000

HEAD E-NE THRU S. 11 to Hwy N 1-1.5 km
E of Hwy. ALL GABARD
HEAD TO Hwy SW - GAB. to Hwy

GAB - SID 10-20 - P/Ps for 1-1% (GAB)
SID 10-30 (loc.)
Feld 10-20
Magma 1035

- BED-JOINTS 1-2m calcification ~ 120° Az
AND 20-30 dip NE+SW. Occ
Banded @ 100 Flow bands. B.D. is //
TO FLOW. RARE 1-1cm Qd < 1m long
- 7 Qd + biotite FOL to NE - granite
influence?

Flowers Bay - Basaltic tuff in GABARD
no Qd or MIN. CRACKS BKA BLACKY

- OCC. DIABASIC TO WK. LAMP (SID.)
- 1-2m ZONES IN GABARD
- FELD. RICH (TAN. < 3mm) SECTIONS IN
GABARD < 1m
- OCC. PORPH TEXTURE (FELDSPAR)
- OLDER THAN MIL. FAULTING
- YOUNGER THAN MONTIC VOLC.

Feb 28/97

Clear sunny calm -2 to +2°C

PAUL @ CARIBBO CR. RD. TOWARD NE

TANUON BUSH ~1 km. CROSS

VOLC + CHEART (A.S.T.)

BEAR (KIC) TRACKS IN SNOW FROM
TIE OFF HERE 01000 HEAD A2

@ 01350

536 4542 1 6710014 N 11 57:20
466 0035 53:00

ML-97-43 GRAB RUSKY CHEART 1.5cm BANDS

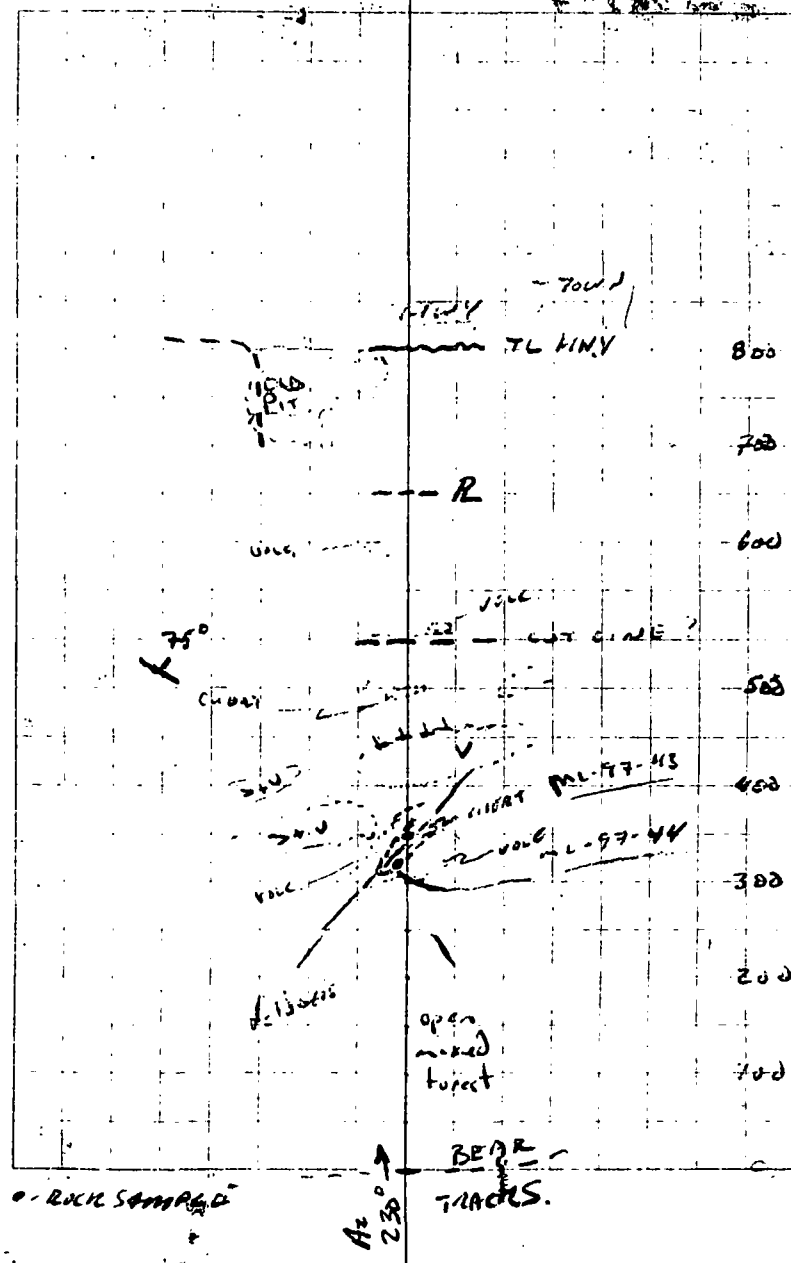
POSS, 5m wide FOLD NOSE fold NOSE

TO NE VERT 3150 10m L
REP GRAB 1m of C

ML-97-44 RUSKY MARIC VOLC. TYP. BACKED

NO VIS. SULPH. FOL-MOD

REP GRAB 2m of C 3150 8m L



WED 29/97 SNOW CALM 0-12°C
 STOP @ ML PULL OFF "CB" HEAD N
 ACROSS HWY. FOLLOW 10m WIDE RESERVE
 N GABRO CYCLING SIDE WALK

ML-97-45 GRAB OVER 1m² G/C FAULT.
 GABRO M.G. GREY. SHEETED ~N.S. ~50° DIP
 OCC. QV < 2cm WIDE < 1m LONG TENSION
 FILLING // TO SHEETING.
 MIN:

ML97-46 GRAB. FINER GABRO (50% ABOVE)
 GABRO. LAYER OF DIKE WITH GRAB.
 CONTACTS. DTZ SWEETS VEIN LIKE, 4cm
 TO IRREGULAR / SUB-ROUND < 2cm Ø
 CHECK FOR SULF. LATER.
 GREYISH BLACK. BEDDED.

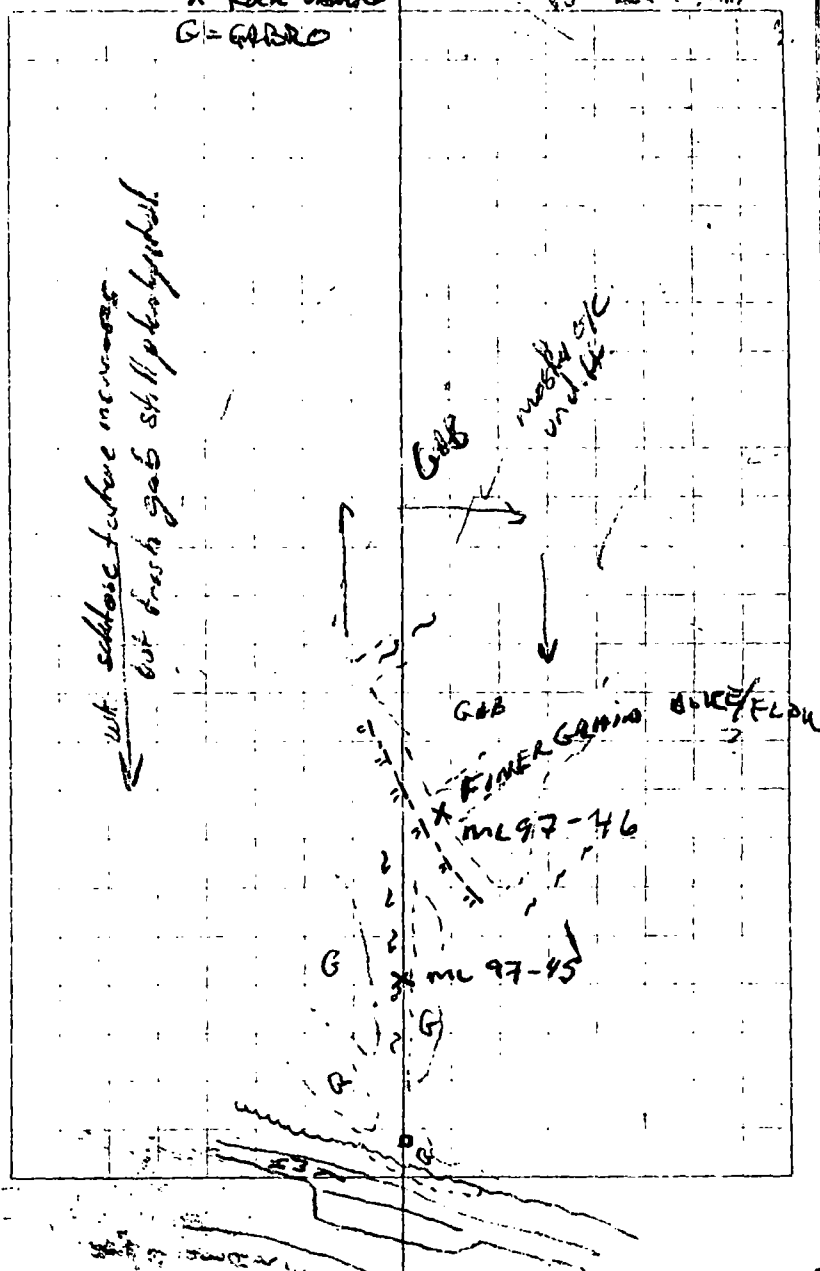
GAB @ DIORITE LAYERS / FLOWS / LATER
 "INTRUSIVE"
 IV UBL.
 PICK.
 FEEDERS?

1sq = 50m

□ = OLD POSTS

X ROCK SAMPLE

G = GABRO



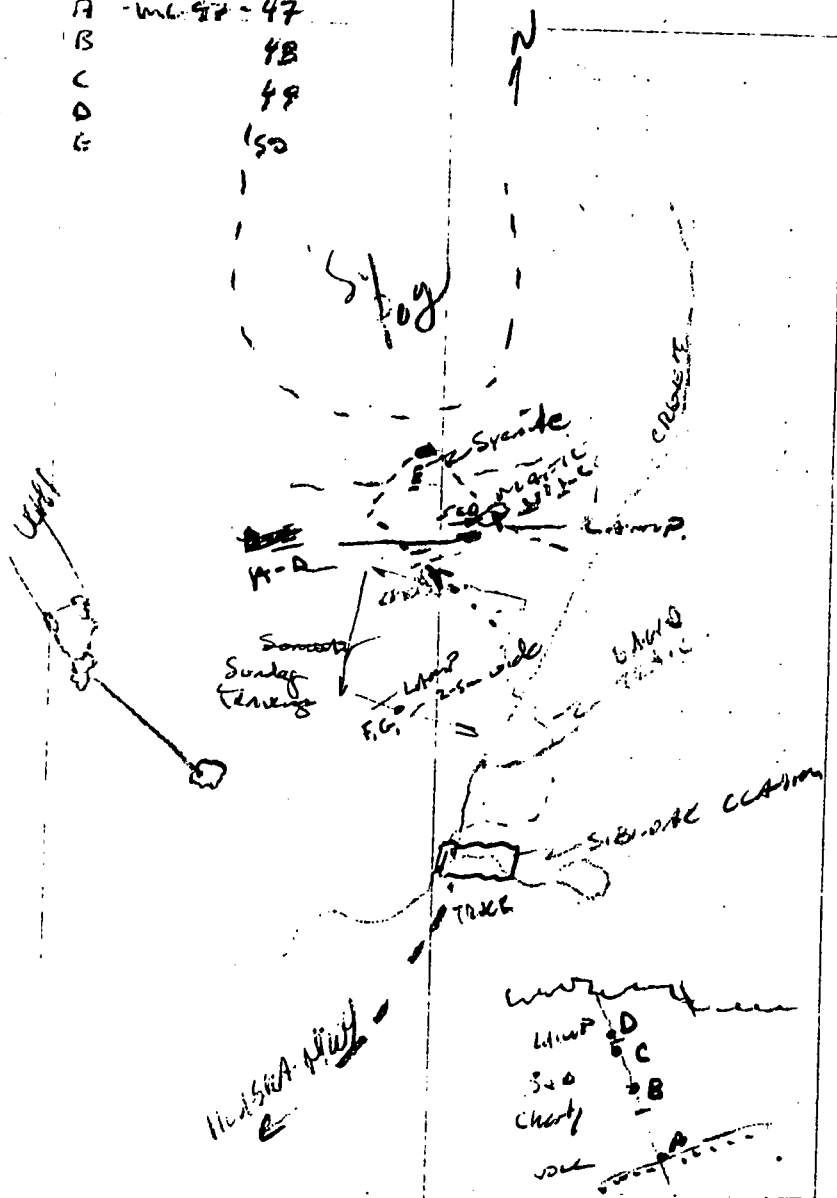
TRIM 00130/97

CLASH 50/97

PAVE @ Sibonne: Over up. NO NOT @ 00130
USE LETTERS FOR NUMBERS, COORD.

- (A) ML 97-47 ALT. SEA (mg) or PIONE? 1/2 P
- (B) 48 Cherty sea near sy rock 1/2 P
- (C) 49 SEA/LAMP SEA RICH 1/2 P
- (D) 50 " " LAMP RICH " "
- (E) 51 SYENITE ALT. PASS SEA mg. 1/2 P
dirty quartzite

A - ML 97-47
B 48
C 49
D 50
E



FM 02131/97

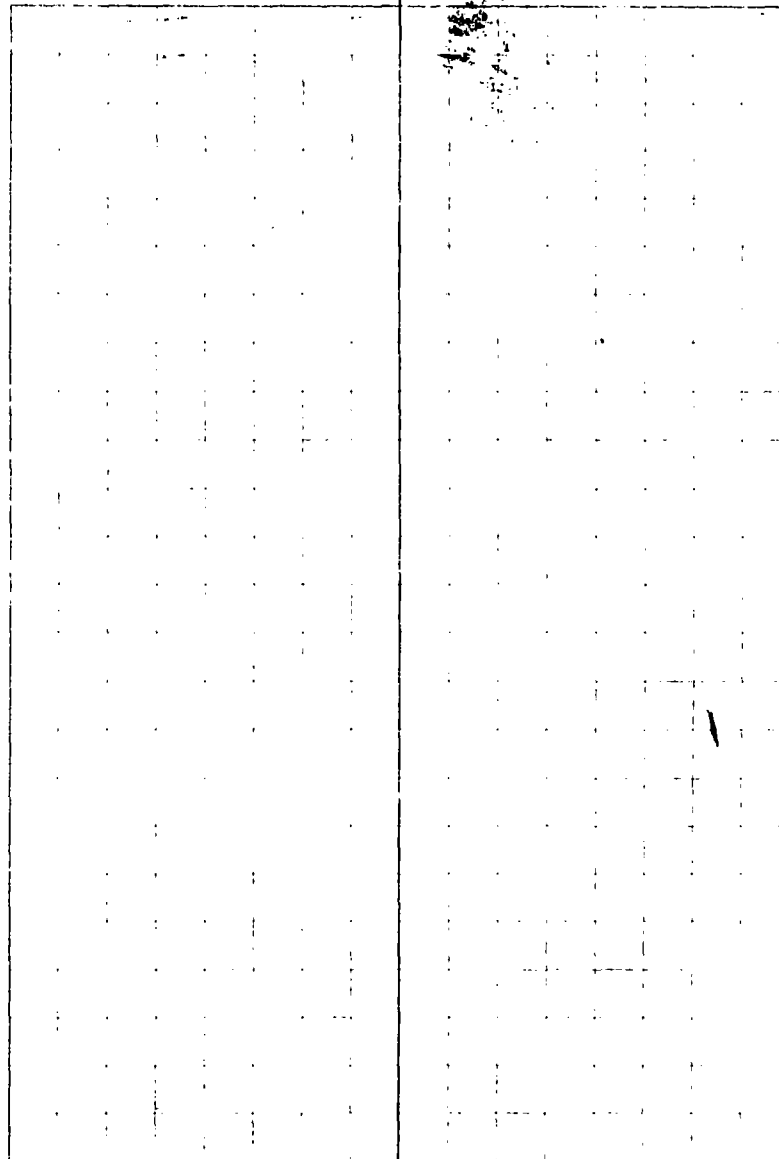
CLAWY GUT

RKX TO CAMP SAMPLE, STOP

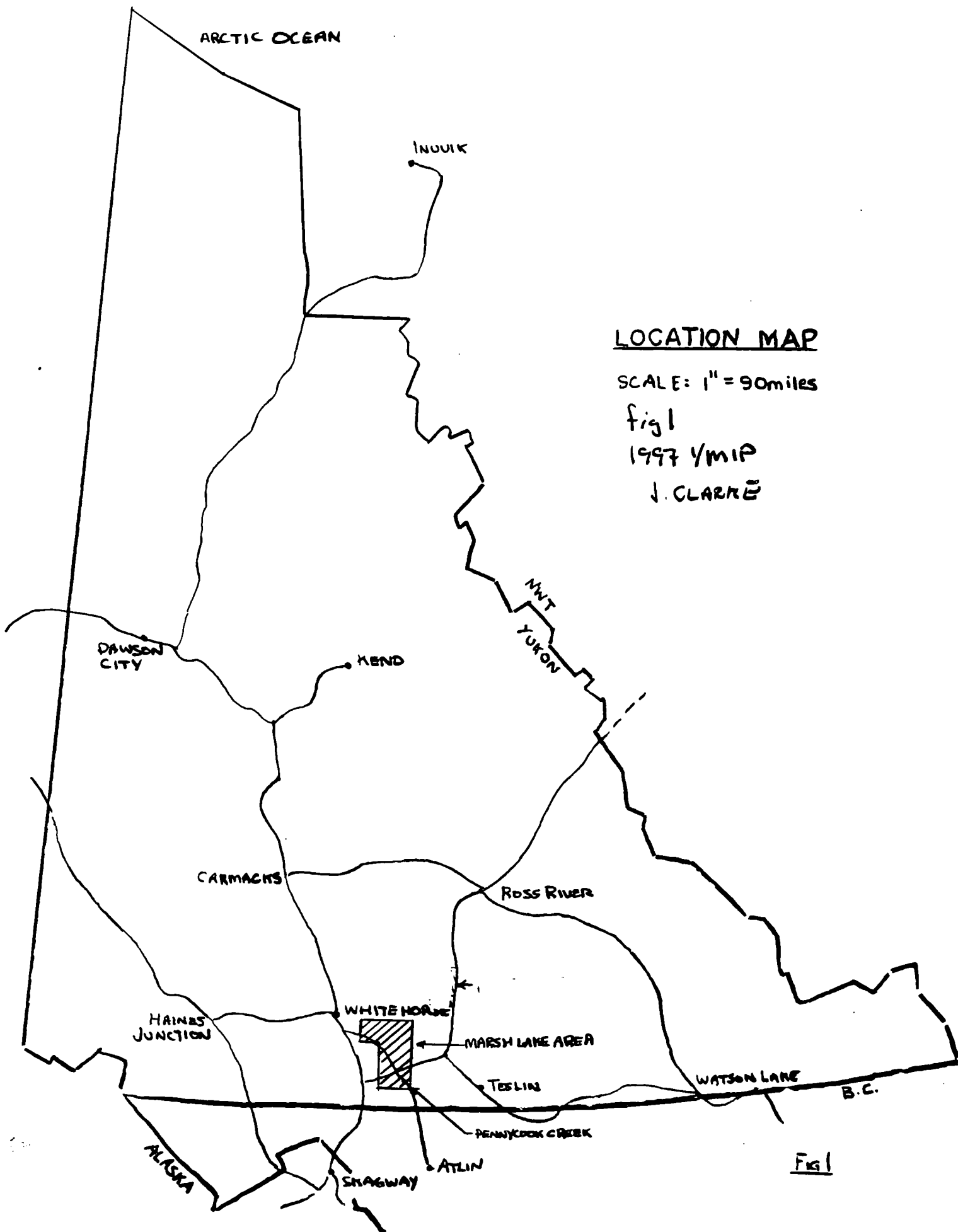
F. ML97-52 LOMO

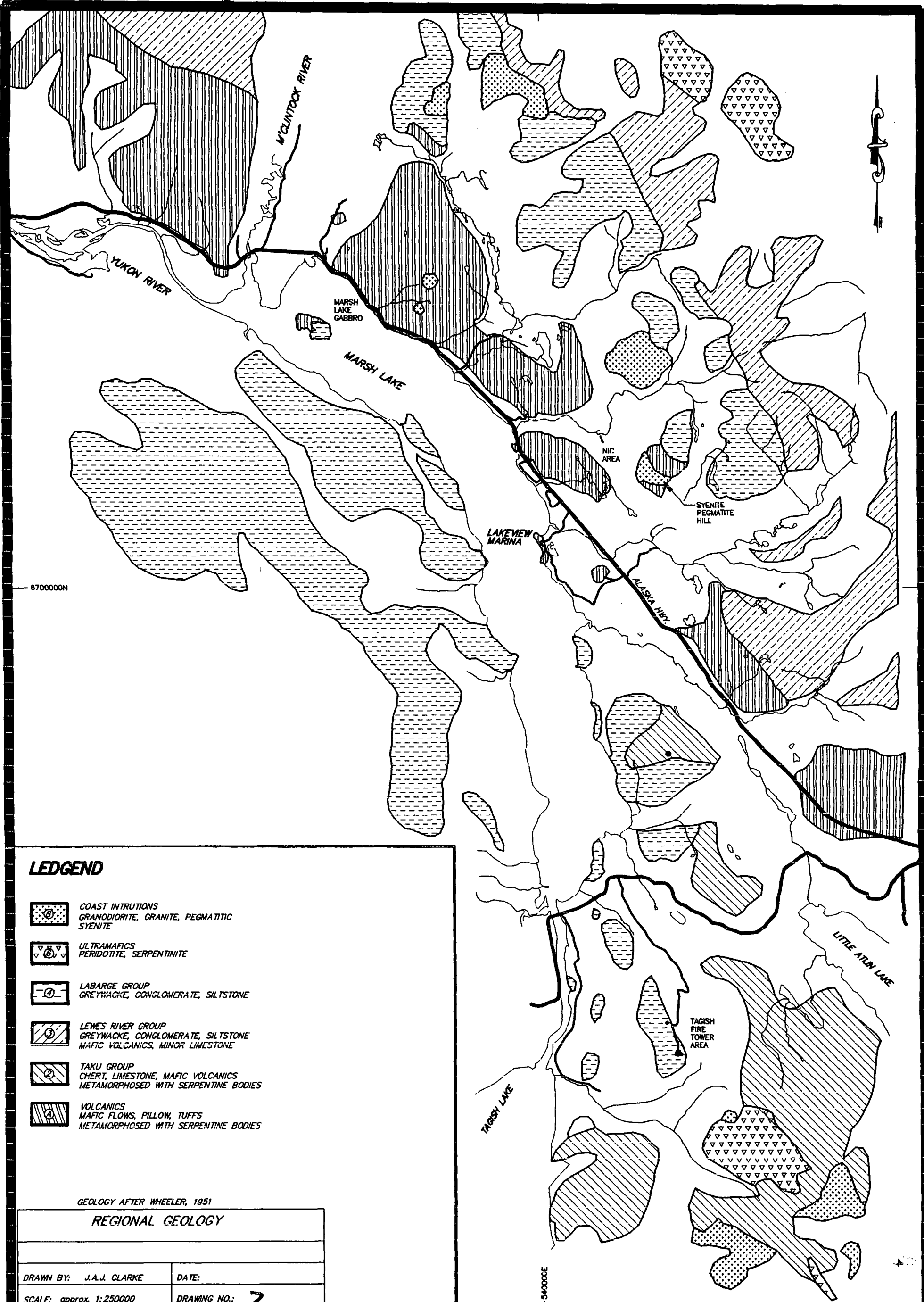
G -53 LAMP

SEE AND PREVIOUS PAGE



FIGURES





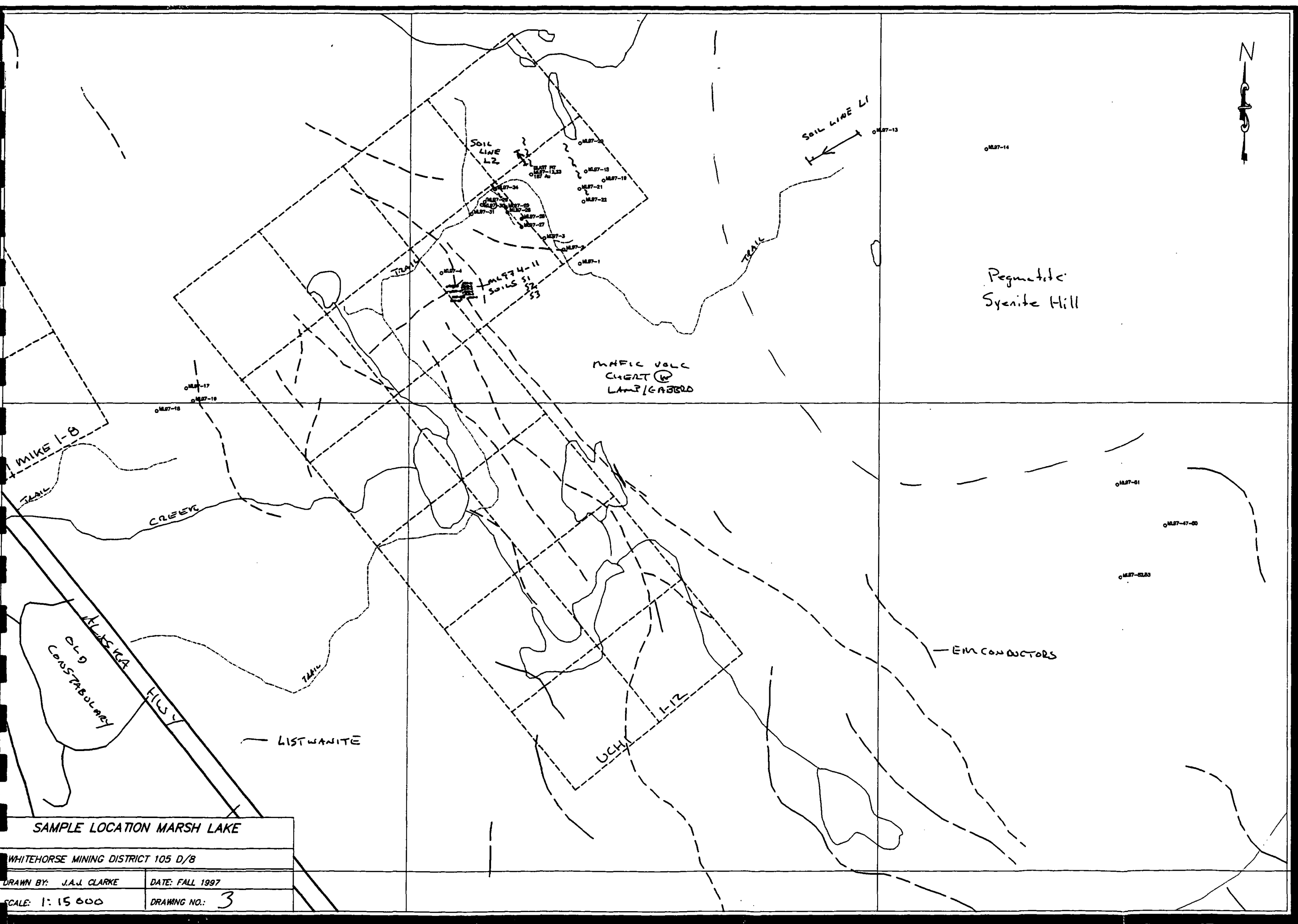
LEDGEND

- COAST INTRUSIONS
GRANODIORITE, GRANITE, PEGMATITIC
SYENITE
- ULTRAMAFICS
PERIDOTITE, SERPENTINITE
- LABARGE GROUP
GREYWACKE, CONGLOMERATE, SILTSTONE
- LEWIS RIVER GROUP
GREYWACKE, CONGLOMERATE, SILTSTONE
MAFIC VOLCANICS, MINOR LIMESTONE
- TAKU GROUP
CHERT, LIMESTONE, MAFIC VOLCANICS
METAMORPHOSED WITH SERPENTINE BODIES
- VOLCANICS
MAFIC FLOWS, PILLOW, TUFFS
METAMORPHOSED WITH SERPENTINE BODIES

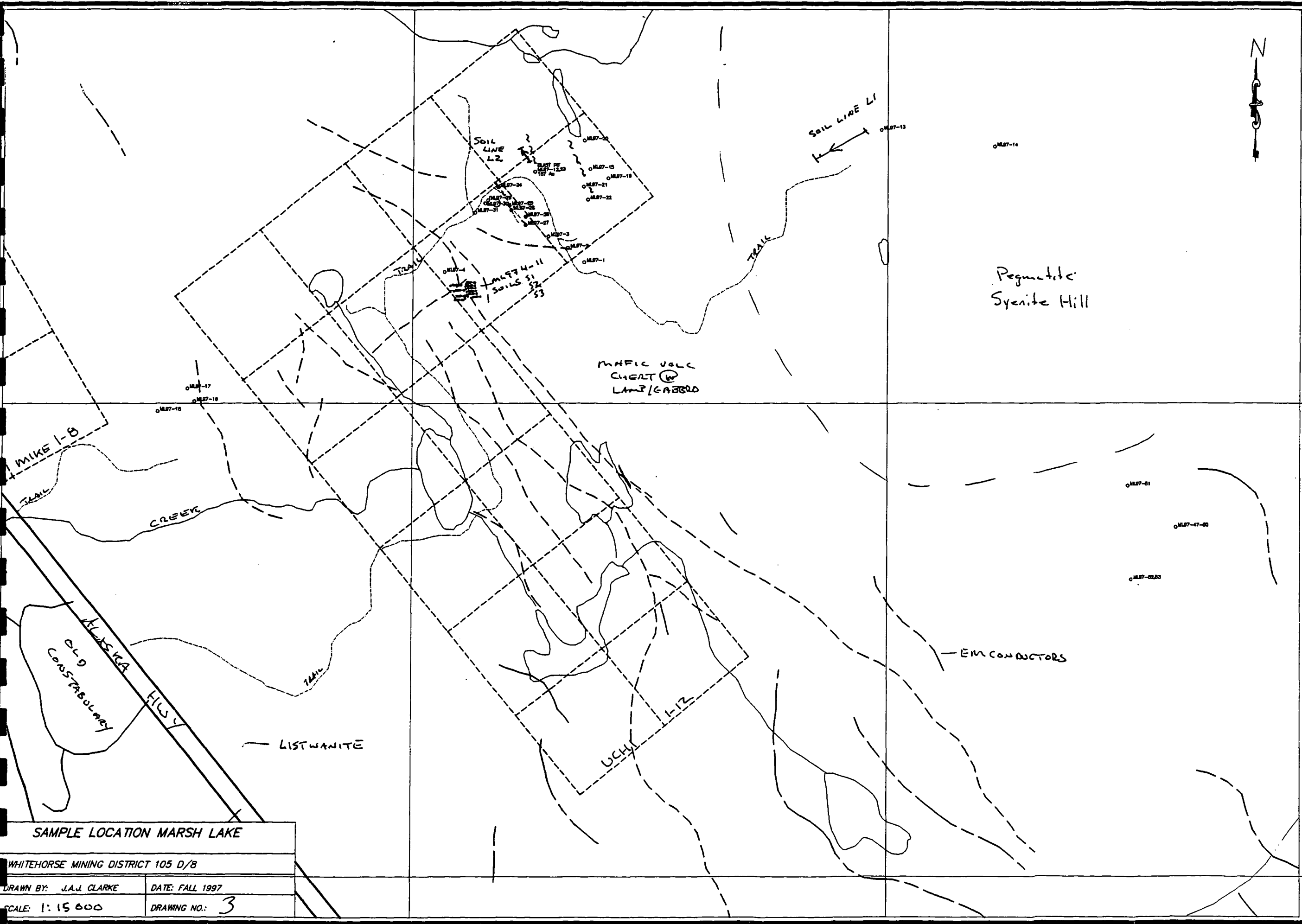
GEOLOGY AFTER WHEELER, 1951

REGIONAL GEOLOGY

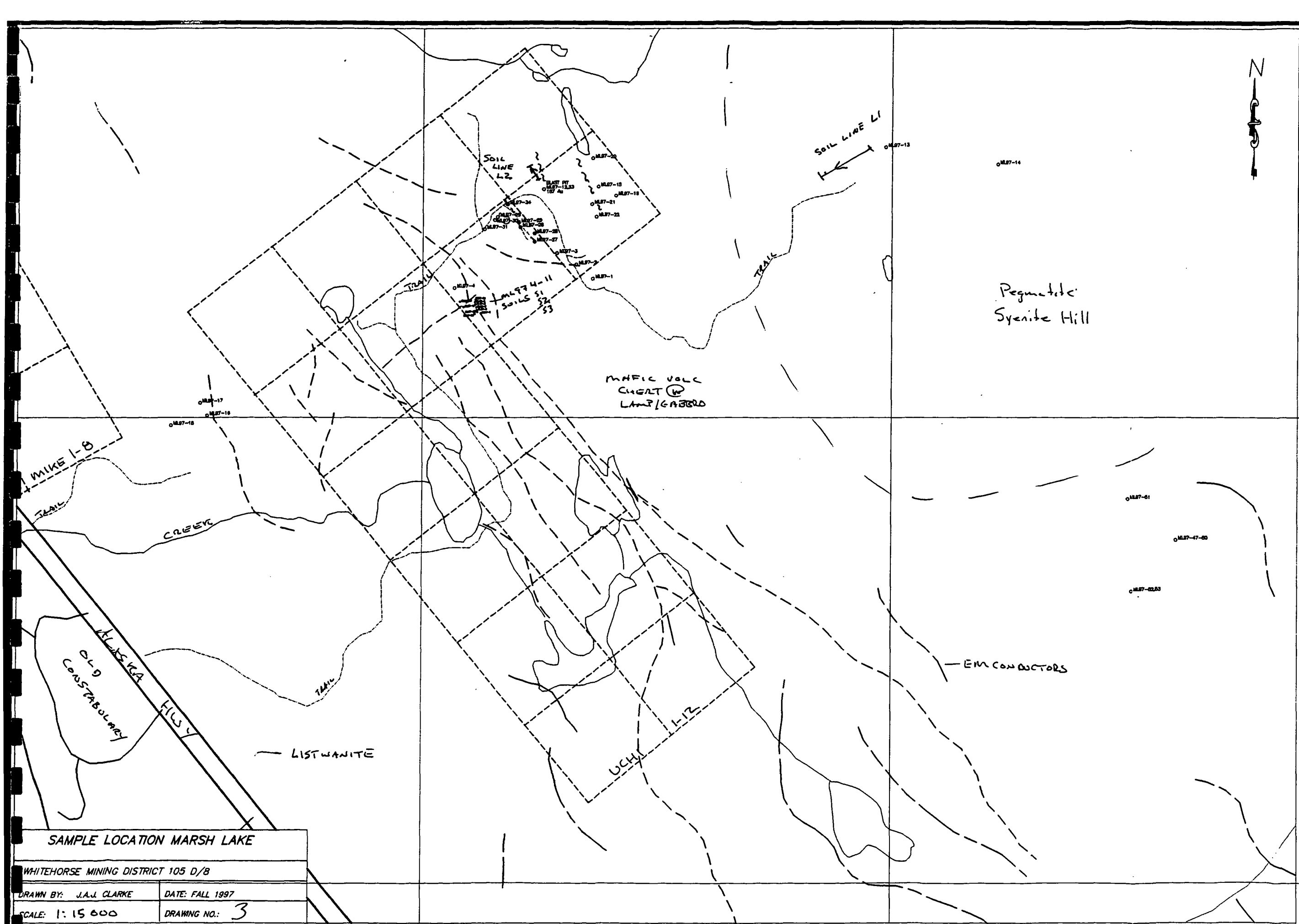
DRAWN BY: J.A.J. CLARKE	DATE:
SCALE: approx. 1:250000	DRAWING NO.: 2



SAMPLE LOCATION MARSH LAKE	
WHITEHORSE MINING DISTRICT 105 D/8	
DRAWN BY: J.A.J. CLARKE	DATE: FALL 1997
SCALE: 1:15 000	DRAWING NO.: 3



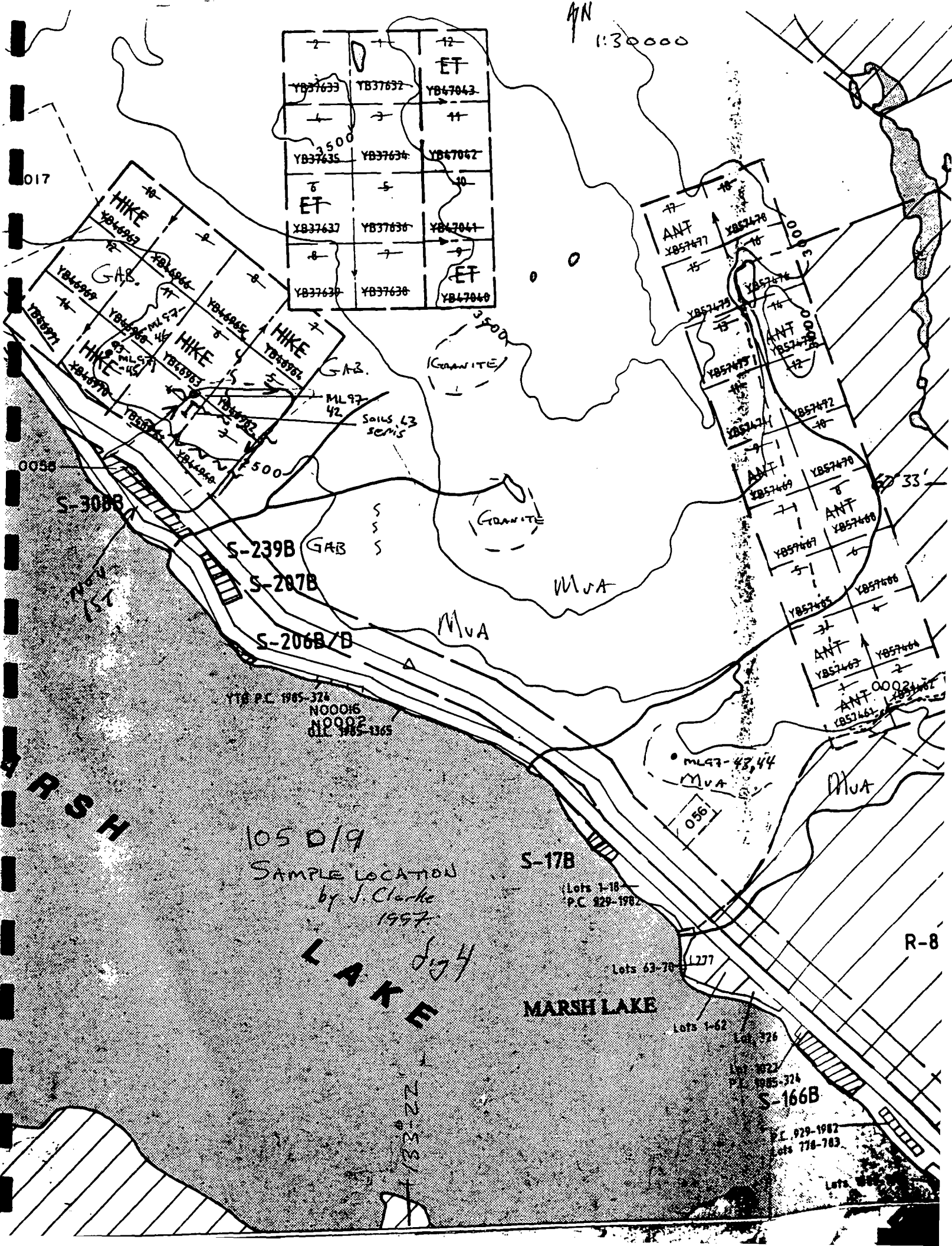
SAMPLE LOCATION MARSH LAKE	
WHITEHORSE MINING DISTRICT 105 D/8	
DRAWN BY: J.A.J. CLARKE	DATE: FALL 1997
SCALE: 1:15 000	DRAWING NO.: 3



SAMPLE LOCATION MARSH LAKE	
WHITEHORSE MINING DISTRICT 105 D/8	
DRAWN BY: J.A.J. CLARKE	DATE: FALL 1997
SCALE: 1:15 000	DRAWING NO.: 3

1:30000

2	1	12
YB37633	YB37632	YB47043
4	3	11
3500		
YB37635	YB37634	YB47042
6	5	10
ET		
YB37637	YB37636	YB47041
8	7	9
YB37639	YB37638	YB47040
		ET



017

0058

YTB P.C. 1985-374
N00016
N0002
d.c. 1985-1365

1050/9
SAMPLE LOCATION
by J. Clarke
1997

LAKE S-14

S-17B

(Lots 1-18)
P.C. 829-1982

MARSH LAKE

Lots 63-70

Lots 1-62

Lot 326

Lot 302

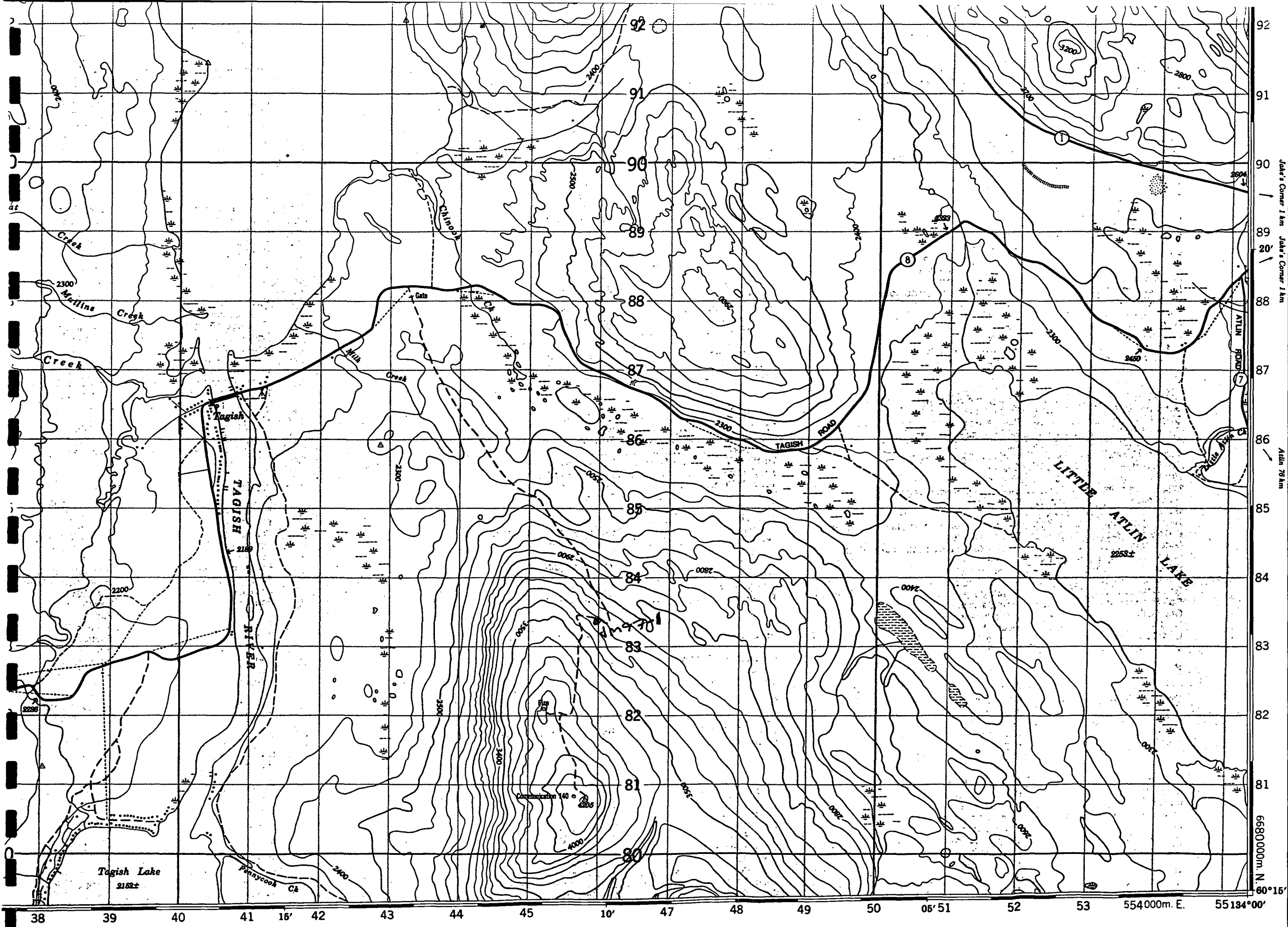
P.C. 1985-374

S-166B

P.C. 929-1982
Lots 778-783

Lots 784-789

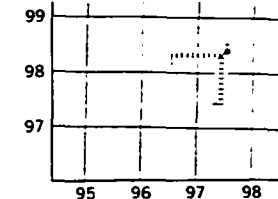
R-8



ZONE 8
QUADRILLAGE UNIVERSEL TRANSVERSE DE MERCATOR
DE MILLE MÈTRES

GRID ZONE DESIGNATION: DESIGNATION DE LA ZONE DU QUADRILLAGE:	100 000 m SQUARE IDENTIFICATION IDENTIFICATION DU CARRÉ DE 100 000 m
8V	NC
	NB

EXAMPLE OF METHOD USED
TO GIVE A REFERENCE TO NEAREST 100 METRES
EXEMPLE DE LA MÉTHODE EMPLOYÉE
POUR FIXER DES REPÈRES À 100 MÈTRES PRÈS



REFERENCE POINT CHURCH - ÉGLISE (as above)
POINT DE REPÈRE (ci-dessus)

EASTING: Read number on grid line immediately to left of point:
ABSCISSE: Noter le chiffre de la ligne du quadrillage immédiatement à gauche du repère:

Estimate tenths of a square from this line eastward to point:
Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction est:

NORTHING: Read number on grid line immediately below point:
ORDONNÉE: Noter le chiffre de la ligne du quadrillage immédiatement en dessous du repère:

Estimate tenths of a square from this line northward to point:
Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction nord:

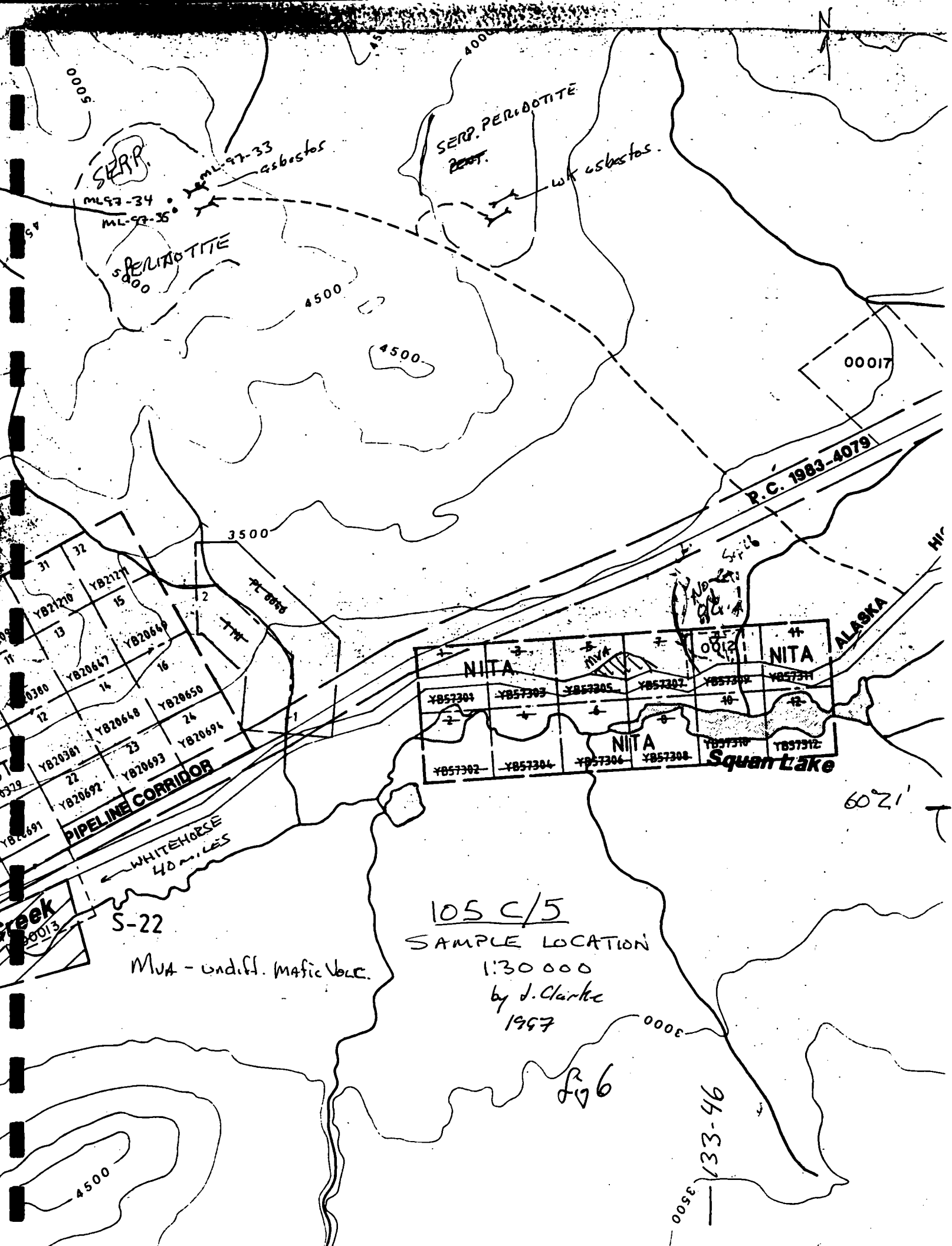
GRID REFERENCE:
RÉFÉRENCE AU QUADRILLAGE:

Nearest similar grid reference 100 000 metres
La prochaine référence similaire est à 100 000 mètres

fig 5
Job. Lee Mt
Tagish Fire
Tower
1997 Y.M.P.
J. CLARKE

135°00'	105 D/10	105 D/9	105 C/12	133°
60°45'	105 D/7	105 D/8	105 C/5	
60°00'	105 D/2	105 D/1	105 C/4	
135°00'				133°

Index to adjoining Maps of the National Topographic System
Tableau d'assemblage du Système national de référence cartographique



1997 YMIP
PROSPECTING
by J. Clarke
1997

1 SAMPLE LOCATION

8.7

1005

2559

60914

522

20
K-22 MUG-32
103-4

60-10-25

~~R-12~~

60.10

~~Creek~~

Snafu

Y U K O N

133° 49'

2500

