

PROSPECTING GRANT
YUKON MINING INCENTIVES PROGRAM
FINAL SUBMISSION

YUKON ENERGY MINES
& RESOURCES LIBRARY
PO BOX 2703
WHITEHORSE YUKON Y1A 2C6

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COPY

OF

GRANT DOCUMENTS

Stella Hearty,
Box 81,
Watson Lake, Yukon
Y0A 1C0

April 25, 2001.

Ken Galambos,
Mineral Resources Branch,
Box 2703,
Whitehorse, Yukon
Y1A 2C6

Dear Mr. Galambos:

YUKON MINING INCENTIVES PROGRAM

LETTERS OF OFFER/AGREEMENT - APPLICATIONS: #01-049 AND #01-050

Thank you for the letters of Offer/Agreement for the above noted applications.

This letter is to acknowledge receipt of the above noted Letters of Offer and to hereby accept the conditions of the Agreement for financial assistance in the amounts of: Application #01-049: \$10,000.00 and Application #01-050: \$19,700.00. I have signed the original documents and have had my signature witnessed by Leane Ball, Housing Manager, Watson Lake, Yukon.

The original Agreements for the above noted Yukon Mining Incentives Program are attached for final signature.

If you require any further information please contact me at 867-536-2841(afternoons) or at 867-536-7551(mornings). Also I can be contacted in writing at the above noted address.

Yours truly,



Stella Hearty



Economic Development
Box 2703, Whitehorse, Yukon Y1A 2C6

01-049

April 20, 2001

Stella Hearty
Box 81
Watson Lake, YK Y0A 1C0

Dear Mrs.Hearty:

The Yukon Government recognizes that many of Yukon's mineral deposits and prospects have been discovered by independent prospectors. For this reason, we are pleased to continue the Yukon Mining Incentives Program and provide prospectors with financial assistance for field expenses.

It is my pleasure to inform you that your application for a contribution under this program has been approved for the upcoming field season. Please find enclosed a contribution agreement which I would ask you to sign and return in full within 30 days to Ken Galambos, Mineral Resources Branch, PO Box 2703, Whitehorse, YT Y1A 2C6.

I would like to wish you the greatest success during your field program.

Sincerely,

A handwritten signature in black ink, appearing to read "Angus Robertson".

Angus Robertson
Deputy Minister
Economic Development

\enc.





Economic Development
Box 2703, Whitehorse, Yukon Y1A 2C6

01-049

April 20, 2001

Stella Hearty
Box 81
Watson Lake, YK Y0A 1C0

Dear Mrs. Hearty:

YUKON MINING INCENTIVES PROGRAM

LETTER OF OFFER/AGREEMENT - APPLICATION #01-049

On behalf of Angus Robertson, Deputy Minister of Economic Development, I am pleased to be able to provide you with an agreement for a contribution under the Yukon Mining Incentives Program. The project has been reviewed and approved with the designation number 01-049 expiring 31 March, 2002. On the basis of the information supplied on the application form, subject to the terms and conditions contained herein, I hereby offer the Applicant financial assistance by way of a contribution in the amount stated in Section 2.

Purpose

1. The purpose of the contribution is to assist the Applicant with travelling and operational expenses while prospecting in the area(s) described in Schedule "A" attached hereto.

Amount

2. The amount of the contribution will consist of 100% of eligible exploration expenses up to a maximum of \$10,000.00. Eligible exploration expenses will include costs for salaries (of hired labour if necessary), equipment and machinery rental, supplies, services, and transportation which are in the opinion of the Department reasonable and are directly attributable to the designated program of mineral exploration.



Interim Payment (Advance)

3. An interim payment in the amount of \$0.00 is hereby approved. Failure on the part of the Applicant to observe the terms and conditions as set out in this Agreement will render any interim payment made to the Applicant repayable to the Government of Yukon on demand.

Material Changes

4. No material changes shall be made to the exploration program as described in Schedule "A" without the prior written approval of the Department, such consent not to be unreasonably withheld.

Obligations of the Applicant

5. The Applicant is required to spend a minimum of thirty (30) days in prospecting activities within the area(s) specified in Schedule "A"; and while doing so is required to maintain the following information, shall supply such information at any time upon demand by a person authorised by the Department, and shall submit the information to the department in its entirety, on completion of prospecting activities and in any case not later than 31 January, 2002.
 - (1) A daily diary of the Applicant's prospecting activities including detailed information with respect to locations visited, any observations made, any physical work such as sampling, hand trenching or drilling performed;
 - (2) A map of 1:50,000 or greater scale which shows traverses undertaken and locations visited during the course of active prospecting;
 - (3) Results of all assays and analyses performed upon samples of specimens collected during the course of active prospecting;
 - (4) A technical report in duplicate summarising work performed, complete with supporting data. This report should include a claim location map, a map showing all traverses at an appropriate scale, maps of geoscientific surveys with results plotted, maps showing trenching, drilling, shafting locations, analyses/assay certificates for all samples analysed and plotted, and a discussion of the results including recommendations for further work.

Local Benefits

6. The Applicant undertakes to hire Yukon residents and contract to Yukon businesses to the greatest extent possible.

Statement of Expenditure

7. Upon completion of prospecting activities and in any case not later than 31 January, 2002, the Applicant will submit a Statement of Expenditures together with the original copy of all supporting invoices and receipts. The total amount of any interim payments made to the Applicant will be deducted from the total of all eligible expenditures in arriving at the final amount due to the applicant.

Governing Law

8. This offer and the Agreement resulting from acceptance by the Applicant of this offer will be construed in accordance with and be governed by the laws of the Yukon Territory.

Entire Agreement

9. The provisions contained herein constitute the entire Agreement between the Applicant and the Government of Yukon and supersede all previous communications, representations (other than those contained in the application) and agreements, whether oral or written, between the Applicant and the Government with respect to the subject matter hereof.

Waiver

10. No term or condition of the Agreement resulting from the acceptance by the Applicant of this offer and no breach by the Applicant of any such term or condition will be deemed to have been waived unless such waiver is in writing and signed on behalf of the Department. The waiver by the Department of any breach of any term or condition of the Agreement resulting from acceptance by the Applicant of this offer will not be deemed a waiver of such term or condition or of any subsequent breach of the same or of any other term or conditions of said Agreement.

Demands and Notices

11. Any demand, notice, request or other document that the Government may, at any time or times after acceptance of this offer by the Applicant, wish to make or give to the Applicant will be in writing and will be effectively made or given if mailed in Canada with postage prepaid addressed to the Applicant at the address set forth on Page 1 hereof and any such demand, notice, request or other document so mailed will be deemed made or given to the Applicant on the tenth business day after mailing of the same.

Assignment of Contribution

12. The right to receive a contribution under this program shall not be assigned, charged, attached or given as security, and any transaction purporting to assign, charge, attach or give as security the right to receive a contribution is void.

Indemnity

13. The Applicant and the Government of Yukon shall each indemnify and save harmless the other and any of their respective employees and agents from and against all losses, claims, debts, judgements, damages, costs, actions or proceedings arising out of or relating to the performance of this Agreement.

Confidentiality

14. All reports, maps and other information submitted by the Applicant in support of an application for payment shall be held in confidence by the government for a period of five years following expiry of designation, after which time they may be made available for public inspection.

Headings and Captions

15. The headings or captions of paragraphs of this offer are inserted only for convenience of reference and in no way define, limit, construe or describe the scope or intent of any of those paragraphs.

Legislative Approval of Funds

16. This Agreement is subject to the Financial Administration Act and the Yukon Government's obligation to pay is subject to money being appropriated by the Legislature for the purpose of the contract.

Acceptance of Offer

17. This offer shall be open for acceptance for thirty (30) days from the date set forth on Page 1 hereof, and may be accepted by the Applicant duly executing the original copy of this offer where indicated below and returning same by mail or in person to:

The Department of Economic Development
Mineral Resources Branch(F-3)
Government of Yukon
PO Box 2703
Whitehorse, Yukon Y1A 2C6.

The date of acceptance of this offer will be conclusively deemed to be that date on which the original copy of this offer, duly executed by the Applicant, is actually received by the Department in Whitehorse.

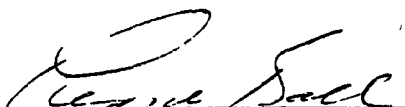
GOVERNMENT OF YUKON TERRITORY

Per:

Witness

Manager, Mineral Resources
Economic Development

APPLICANT



Witness



Stella Hearty

SCHEDULE "A"

Yukon Mining Incentives Program

Application #01-049- Stella Hearty

1. The purpose of the contribution is to assist the Applicant with travelling and operational expenses while prospecting in the following area(s):

Hasselberg Lk. area on NTS 105A/13, as described in the application.

Eligible Exploration Expenditures

2. For the following work, the amount of the contribution will be (100% of expenditures) for a total of up to \$10,000.00.

Prospecting as is described in the application

3. Reimbursement will be made only on the basis of receipts showing the actual cost of the materials and/or work done and paid for by the Applicant. The expenditures to be reimbursed must be an element of the approved work plan.

Effective Period of Agreement

4. The Agreement is deemed to cover eligible exploration expenditures incurred between 1 April, 2001 and 31 January, 2002.

Environmental and Legal Requirements

5. This Agreement is conditional upon all legal permits and other requirements having been secured by the Applicant.
6. The Applicant shall not conduct an exploration program on lands withdrawn from mineral staking such as Class A Lands as identified in the Umbrella Final Agreement or within lands identified as Study Areas for Special Management Areas or future Territorial and National Parks.



Economic Development
Box 2703, Whitehorse, Yukon Y1A 2C6

Our File: 01-049
Your File:

April 3, 2001

Stella Hearty
Box 81
Watson Lake, YK Y0A 1C0

Dear Mrs. Hearty:

Thank you for your application to the Yukon Mining Incentives Program. It has tentatively been approved for funding pending the outcome of various mandatory checks to be made by the department (i.e. land claims, environmental considerations, etc.). A copy of an approved notification or operating plan will be required prior to final approval of those applications requiring them under the current Mining Land Use Regulations. If no problems arise with your application, you should receive a letter from the Deputy Minister and a contribution agreement sometime in the near future.

Congratulations on your tentatively successful application and good luck with the upcoming field season.

Sincerely,

Ken Galambos
Mineral Development Geologist
Mineral Resources Branch (F-3)
Department of Economic Development
Government of Yukon
PO Box 2703
Whitehorse, Yukon Y1A 2C6
Telephone: (867) 667-5996
Toll Free (Yukon): 1-800-661-0408

Fax (867) 393-6232
E-Mail: ken.galambos@gov.yk.ca



KLONDIKE
GOLD RUSH
CENTENNIAL

YUKON MINING INCENTIVES PROGRAM (YMIP)

APPLICATION FOR FUNDING

INSTRUCTIONS: Please read the guidebook before completing this form.

Please type or print.

Submit completed form by March 1 to:

Yukon Mining Incentives Program
Economic Development
Government of the Yukon
Box 2703, Whitehorse, Yukon, Y1A 2C6

Date of Application 15 JAN. 2001 Program YmIP PROSPECTING
Last Name HEARTY First Names STELLA M.J Mr/Miss/Mrs/MS.
Company or Partnership Name (if applicable) _____
Address Box 81, Km 1023.5 ALASKA HWY
City Territory/Prov WATSON LAKE YT Postal Code Y0A 1C0
Telephone (867) 536-2841 Fax () _____
Contact Telephone (867) 536-2841 Fax () _____

If work is to be undertaken by a prospector or operator other than the applicant please provide name and address below.

Name _____

Address _____

City/Territory/Prov _____ Postal Code _____

Telephone () _____ Fax () _____

Contact Telephone () _____ Fax () _____

Please provide your head office address if different than above.

Address SAME AS ABOVE

City/Territory/Prov _____ Postal Code _____

Telephone () _____ Fax () _____

PLEASE FILL OUT THIS SECTION IF APPLYING FOR THE GRASSROOTS PROSPECTING PROGRAM OR THE GRASSROOTS GRUBSTAKE PROGRAM (SEE FOLLOWING PAGE)

Briefly state your prospecting or related experience and training (No. of years and type, use additional paper if required).

Commenced with self training then took a prospecting course in White Lake, Y.T. given by Yukon College. Prospected for 6 years.

Industry References (that can comment on your prospecting ability):

Name _____ Telephone _____ Occupation _____

Name _____ Telephone _____ Occupation _____

Have you discussed your proposal with a Yukon government or DIAND Geologist, or a geologist with Yukon work experience? Yes No

Name TIM LAMBERTON

Past Performance (List of properties optioned, locations, optionee, year):

Previous Prospectors Assistance Program (PAP) or YMIP Application(s) Yes No Year(s) _____

Describe your prospecting project - attach sheets (See guidelines for details).

Proposed project area(s) (List all NTS map sheet numbers).

105A-13

List prospecting partners that are applying for assistance.

Start date of project _____ End Date of Field Work _____

Number of Working Days _____ Advance Requested? _____

PLEASE FILL OUT THIS SECTION IF APPLYING FOR THE GRASSROOTS GRUBSTAKE OR TARGET EVALUATION PROGRAMS.

If a partnership or corporation are you registered to do business in the Yukon:

Brief history of individual or company (including length of time in the mineral exploration industry).

STELLA HEARTY - Individual - 9 years WILKIN AREA
105A-13

Will you have a net income from mining in Canada for the year in which the work is to be completed?

NO

Source of funding for project (Individuals, Flow-Through, Bank or Corporate Funding):

List names and addresses of principals with proportions of funding. Attach list if space is insufficient.

INDIVIDUAL - SELF

Associates or affiliated companies that have also applied for YMIP Assistance. List names and addresses. Attach list if space is insufficient.

Have you discussed your proposal with a Yukon government or DIAND Geologist?

Yes _____ No

Name _____

Previous Exploration Incentives Program (EIP) or YMIP Application(s) Yes _____ No

Years _____

Describe your prospecting or exploration proposal - attach sheets (See guidelines for details).

For Grassroots Grubstake: Name of Prospector you are Grubstaking _____
(Prospector Must Provide Information on Previous Page)

Proposed project area (List property or claim names and NTS map sheet number)

Start Date of Fieldwork _____ End Date of Field Work _____

Number of Working Days _____

Proposed Budget (to be completed by all applicants)

1. Daily Living Expense (claimed only by individuals)
No. of days x YG rate/person, per day X 3 PERSONS \$ 3675.00
2. Travel (state method: road, air, etc.)
Truck - total km x YG rate/km 314 Km. X } \$ 131.88
2 TRIPS } \$ 131.88
Air _____ \$ _____
Other _____ \$ _____
3. Analyses/Assay Costs (specify sample type and price/assay)
_____ \$ 1350.00
4. Equipment Rentals/Supplies
ARGO 8X8 WITH OPERATOR \$ 3500.00
FUEL \$ 165.00
5. Contractors (state name and type of work)
_____ \$ _____
_____ \$ _____
6. Line Cutting
No. of km x price/km _____ \$ _____
7. Geochemical Survey (specify sample type)
No. of km x price/km _____ \$ _____
8. Geophysical Survey (specify type of survey)
No. of km x price/km _____ \$ _____
9. Trenching (specify equipment used and price/hour)
_____ \$ _____
10. Drilling (specify diamond or percussion and rod size)
No. of meters x price/meter _____ \$ _____
11. Reclamation (specify type) REMOVAL OF WASTE
HAND TRENCHES / FILLED IN \$ _____
12. Report Preparation 2 DAYS @ 400.00/DAY \$ 800.00
13. Other Expenses (specify) (T. LIVERTON)
PROSPECTOR'S ASSISTANT \$ _____
(12 DAYS @ 250.00/DAY) \$ 3000.00

TOTAL PLANNED EXPENSES \$ 12,753.76

Attach list if space is insufficient.

The Department of Economic Development may verify all statements related to, and made in this application.

1. I am the person, or a representative of the company or partnership, named in the Application For Funding under the Yukon Mining Program.
2. I am the person who is nineteen years of age or older, or the representative of the company or partnership, who is ordinarily a resident of Canada.
3. I have complied with all the requirements of the said program.
4. I understand that if this application is incomplete, I will be notified in writing and will have until March 1 to make the revisions. After this date, the application will be judged as incomplete and will be rejected.

For Grassroots Prospecting and Grassroots Grubstake Applications:

5. I am a Canadian Citizen or landed immigrant or the person I am Grubstaking is a Canadian Citizen or landed immigrant, nineteen years of age or older.

Signature of Applicant S. Hearty Date 15 January 2001

Name (print) STELLA HEARTY

Position or Title (if applicable) PROSPECTOR / OWNER

This information is being collected under the authority of the Economic Development Act for the purpose of: 1) contacting the client, and 2) determining the eligibility of the client.

PROSPECTING PROPOSAL: SUMMARY

- a) **Location**
- i) Hasselberg Lake area (≈ 7 km NW of the north end of the lake)
 - ii) NTS 105 A /13
Area 'B' centred on UTM coords: 454000E, 6759000N and region to SE (either side of creek flowing SE to Hasselberg L).
Area 'C' 447500E, 6751500N & 447500E, 6759500N
Area 'D': region outside the VIVI claim block, i.e. approx. 2.5 km radius around 451500E, 6758000N
 - iii) (see attached notes and maps)
 - iv) Prospecting proposal to be for areas off existing claims
- b) **Access**
- Via existing winter road from Campbell Highway at the CanTung junction to cabin at Hasselberg Lake. This is passable by Argo during the summer without causing a significant 'footprint'. Existing argo trails allow access to the mountain top. Seaplane access to Hasselberg Lake is also possible and the existing airstrip 1 km east of the lake is suitable for such STOL aircraft as a super cub. The prospecting operations are to be carried out using an Argo for ground transport from the lake. Any visitor should call ahead on the radiophone if ground transport is required.
- c) **Prospecting targets are:**
- i) Hardrock gold (both mesothermal shear related and listwaenite type is possible; one in-situ auriferous quartz vein is known)
Jade (nephrite). Both placer and in situ material are known from the area.
Talc: talc alteration of ultramafics has been found in the area.
(See accompanying geological report / prospecting proposal)
- d) **Rationale:**
- The area has been a past producer of both placer jade and gold. It has received some geochemical work, but no real detailed prospecting programme. The 2000 geological reconnaissance (see attached report) has shown that the area is underlain by a metasediment / metavolcanic sequence which is intruded in the north by gabbro to pyroxenite bodies that vary from fresh to highly hydrothermally altered or serpentinised. There is excellent potential to find mineralization.
- e) Proposed work would include examination of all rock exposure (including geological mapping) and sampling for litho-geochemistry. If outcropping mineralization is found soil sampling may be carried out. If so, all sample pits will be backfilled. Details are given in the attached report.
- f) The summary report will include a geological map with rock descriptions, details of geochemical surveys with analyses and any assays performed. GPS positioning will be used for all data.

- g) Working days: see attached form. Stella Hearty proposes to spend over 35 days on prospecting in open ground and Tim Liverton is due to spend up to 12 days on geological mapping and prospecting.
- h) See attached forms.
- i) No partners are applying for separate YMIP assistance.

HASSELBERG AREA: 105A-13

PROSPECTING PROPOSAL

INTRODUCTION

The centre of the region of interest is approximately 7km NW of Hasselberg Lake (105A-13). The claimholder, Stella Hearty, has been involved in production of jade from float (i.e. boulders within the mantle of glacial till) for many years. The region does, however, show potential for exploration for other commodities and Mrs. Hearty has been carrying out some geochemical sampling and basic prospecting for the last nine years during which significant gold grades in hard-rock have been discovered.

GEOLOGY

The area of interest contains outcrop of muscovite schist, quartzite, intermediate (?) tuffs and basaltic volcanics mapped as Proterozoic (unit 1d) of Gabrielse (1967): GSC Map 19-1966. These are intruded by a number of stocks of diorite to gabbro of outcrop scale under 500m across and a much larger extent of pyroxenite in the NW. These are considered to be Mississippian by Gabrielse. The limited amount of geological mapping attempted in 2000 indicates that the contacts of the basic to ultrabasic bodies are too irregular and locally steeply-dipping to be explained by low-angle thrust faulting i.e., they are indeed intrusions. As intrusive ultramafics these likely correlate with Permian ultramafics to the north (D.Murphy, pers. comm; see also Murphy, 2000: Sheet 105H/4, OF 2000-16). The pyroxenites vary from local masses of very fresh material between serpentinized zones to areas completely altered to talc and siderite.

MINERALIZATION

a) GOLD

Prospecting by Mrs. Hearty discovered a quartz vein within the tuff / metasediment sequence that carried 2ppm Au. This vein is exposed as a steeply-dipping zone in one of north tributary creeks of Bourget Creek. Further assays obtained from the ridge to the west indicate an approximate E-W trend, provided these are the one zone.

b) JADE (nephrite)

It is reasonable to assume that the boulder material extracted from this region has been derived from the large outcrop region of ultramafics to the northwest of Hasselberg Lake. Indeed, the geological reconnaissance of 2000 located a minor occurrence in a serpentine zone within pyroxenite.

c) **TALC**

A substantial portion of the pyroxenite is highly talc-altered. This mineralization is partially, but not completely covered by the LIVI claim block of J.P. Ross. The open Crown Land deserves prospecting for this commodity.

PROPOSED PROGRAMME

It is proposed to carry out prospecting during 2001 for the three commodities, as follows:

- a) The existing EZ and Jasper claim groups would be prospected for hardrock gold by means of a limited soil geochemical survey in the region of the previously discovered anomalous gold. Stream sediment would be taken at close spacings up the creeks for heavy mineral analysis. In-situ rock should be sampled where volcanics occur. The whole of the EZ 1-23 claim block requires geological mapping to delineate the extent of the volcanic package and the contact relationships.
- b) The region of open ground to the north and NE of the EZ 71-84 claims would be prospected by ridge and creek traversing to search for serpentine alteration zones and possible in-situ jade.
- c) Open ground west of the EZ 1-23 block deserves some geological reconnaissance and prospecting for gold (and base metals) in the volcanics.
- d) Open ground over the northern ultramafic body should be prospected for talc.

YMIP GRANT APPLICATION

Since the areas requiring prospecting are both on staked ground and on vacant Crown land, application is made for two grants:

Target Evaluation module proposal:

- (i) The Jasper claim block and part of the EZ claim block area marked 'A' on the accompanying map requires geochemistry: close-spaced stream sediment sampling and, if an examination of the ground indicates that there may not be too much till cover, a small soil sampling grid to cover the region indicated.
- (ii) The region of the EZ 69-71 claims has some rock exposure and requires geological mapping, as does the creek below. The EZ 1-23 block also has some good rock exposures and requires mapping and sampling of rock for litho-geochemistry over the volcanic units. Gold and base metal occurrences are the target here.

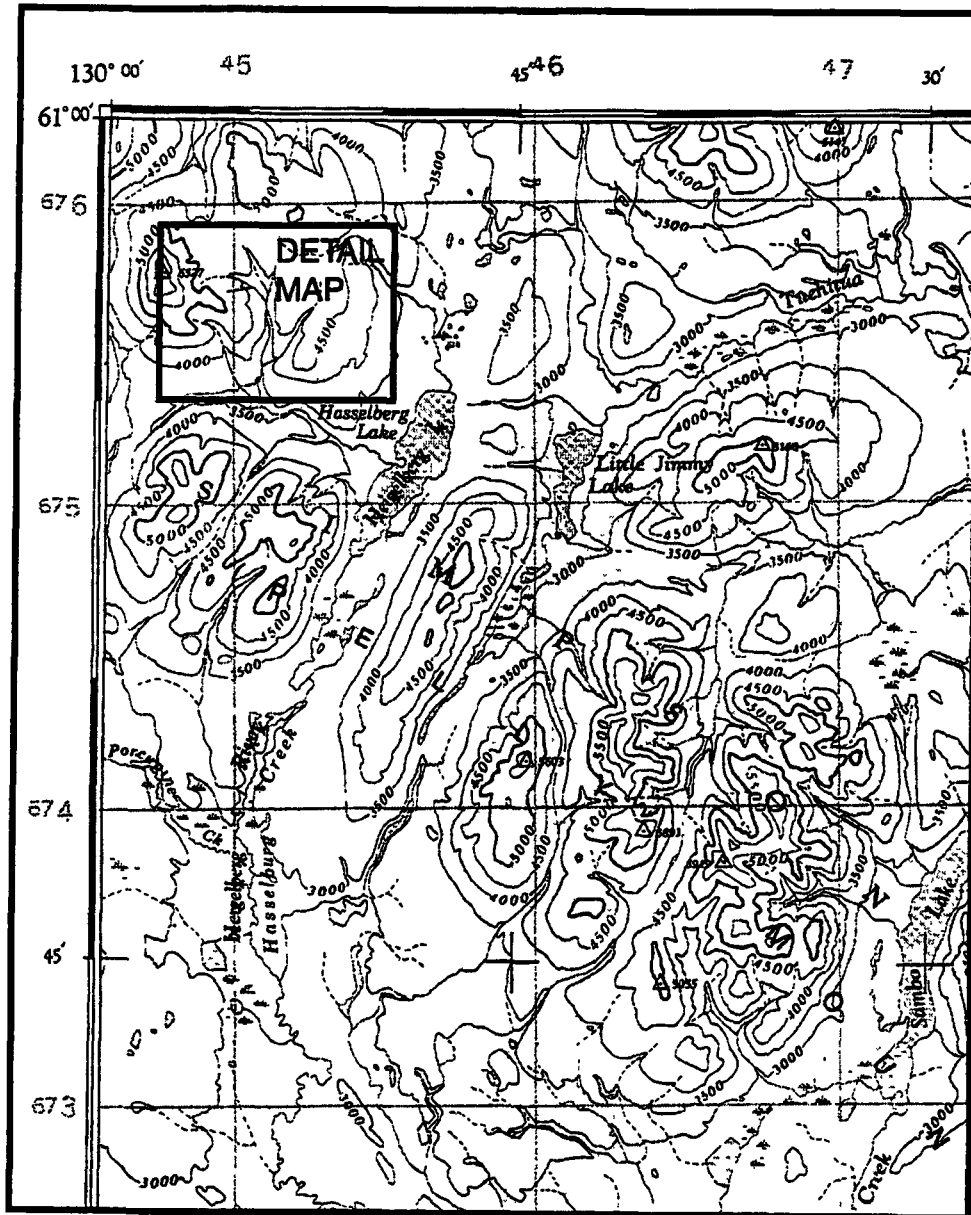
(iii) Some mapping more detailed than the 2000 reconnaissance would be beneficial over the EZ 71-84 block to evaluate the ultramafic body for both talc and jade.

Grassroots module proposal:

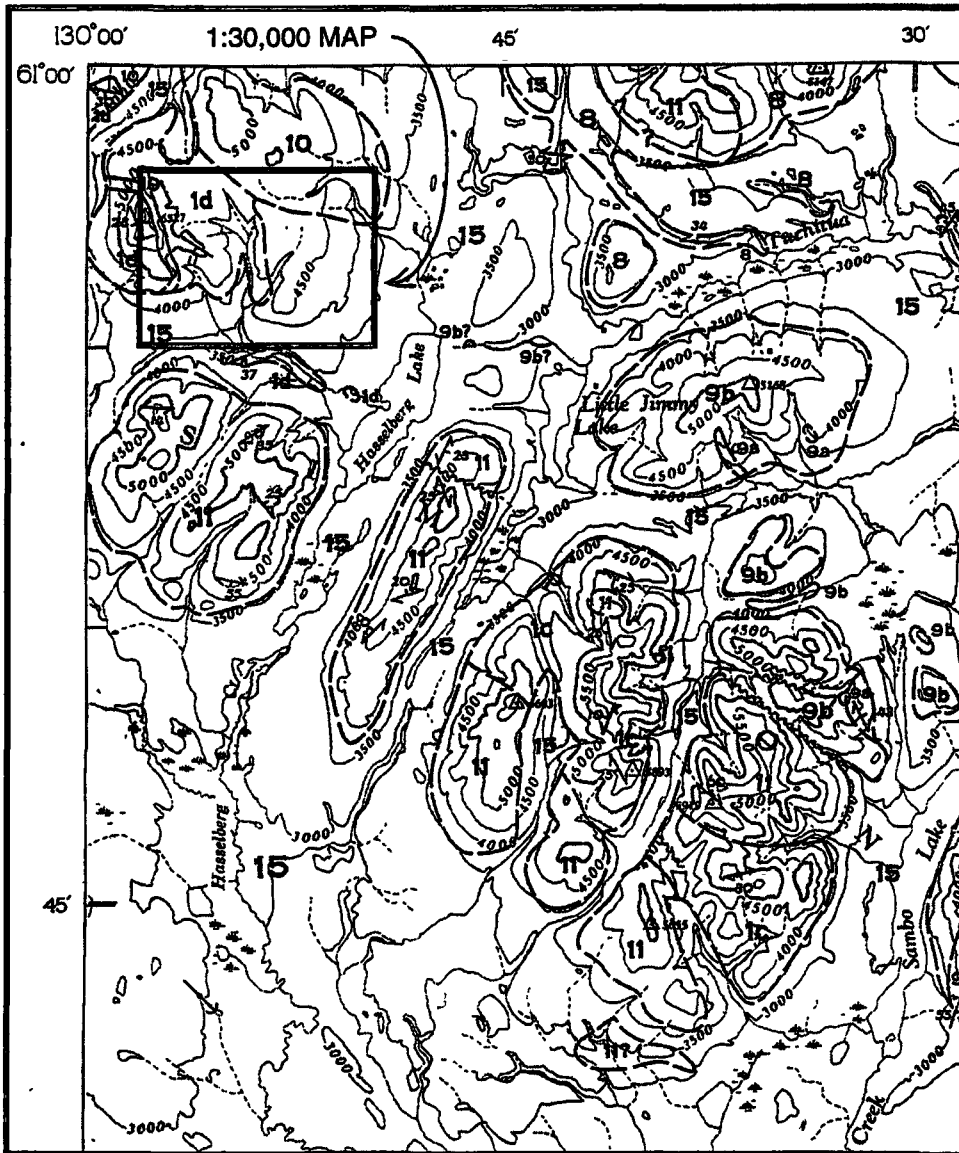
The areas outside of the claim blocks deserve prospecting (see map): Area 'C' for gold and base metals; Area 'D' for talc; and Area 'B' for jade (extending that particular prospecting down the drainage system eastward to Hasselberg Lake).

ACCOMPANYING MAPS

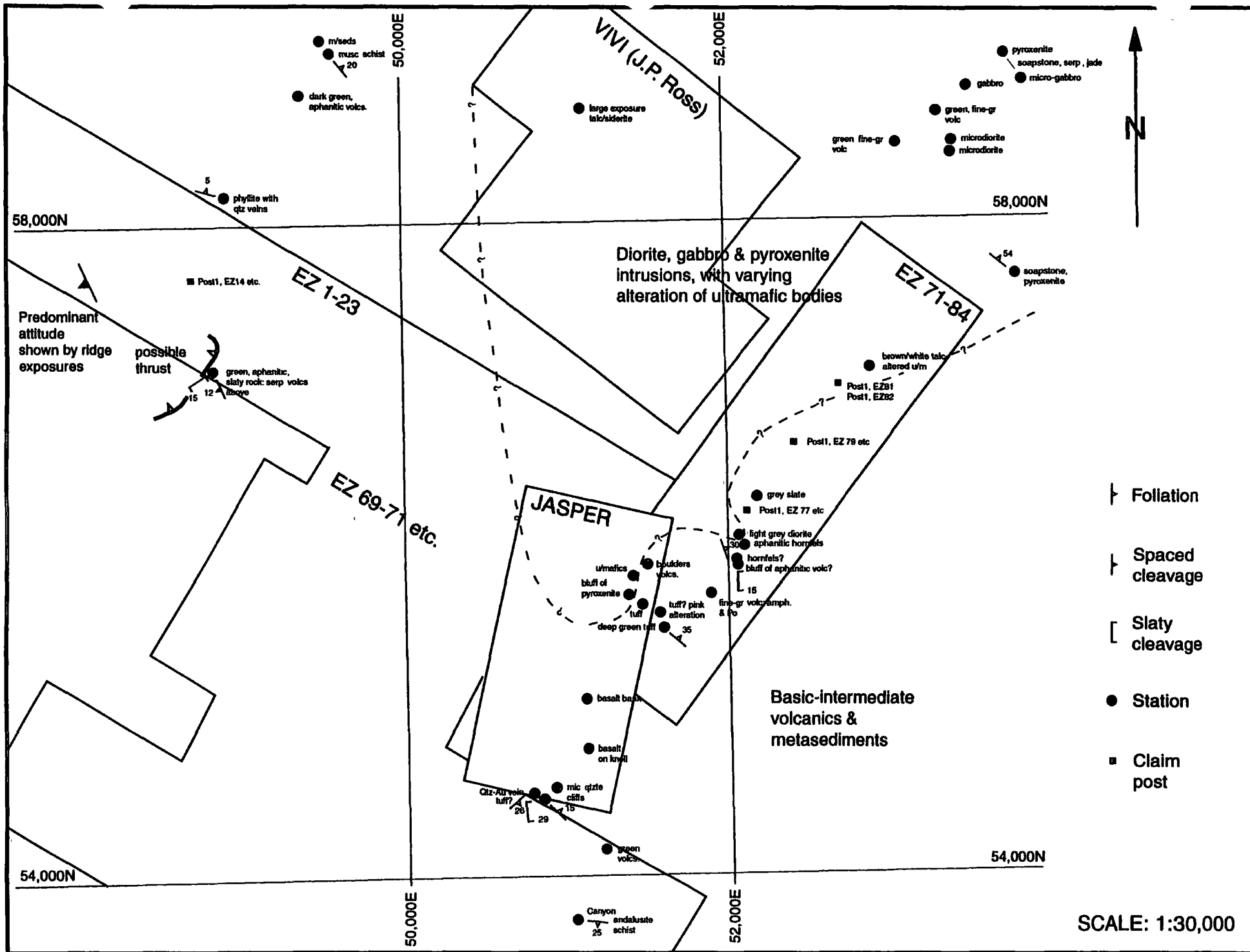
- 1) Location map: 1:250,000 scale, portion of sheet 105A.
- 2) Geology: portion of Watson Lake 1"= 4 miles sheet showing area of interest.
- 3) Topography, claim boundaries (adjusted to fit GPS coordinates located during 2000 season), with very brief geological notes from that reconnaissance. Scale 1:30,000.
- 4) As above, with topography removed for clarity.
- 5) As above, showing areas of interest for both grassroots prospecting and target evaluation.

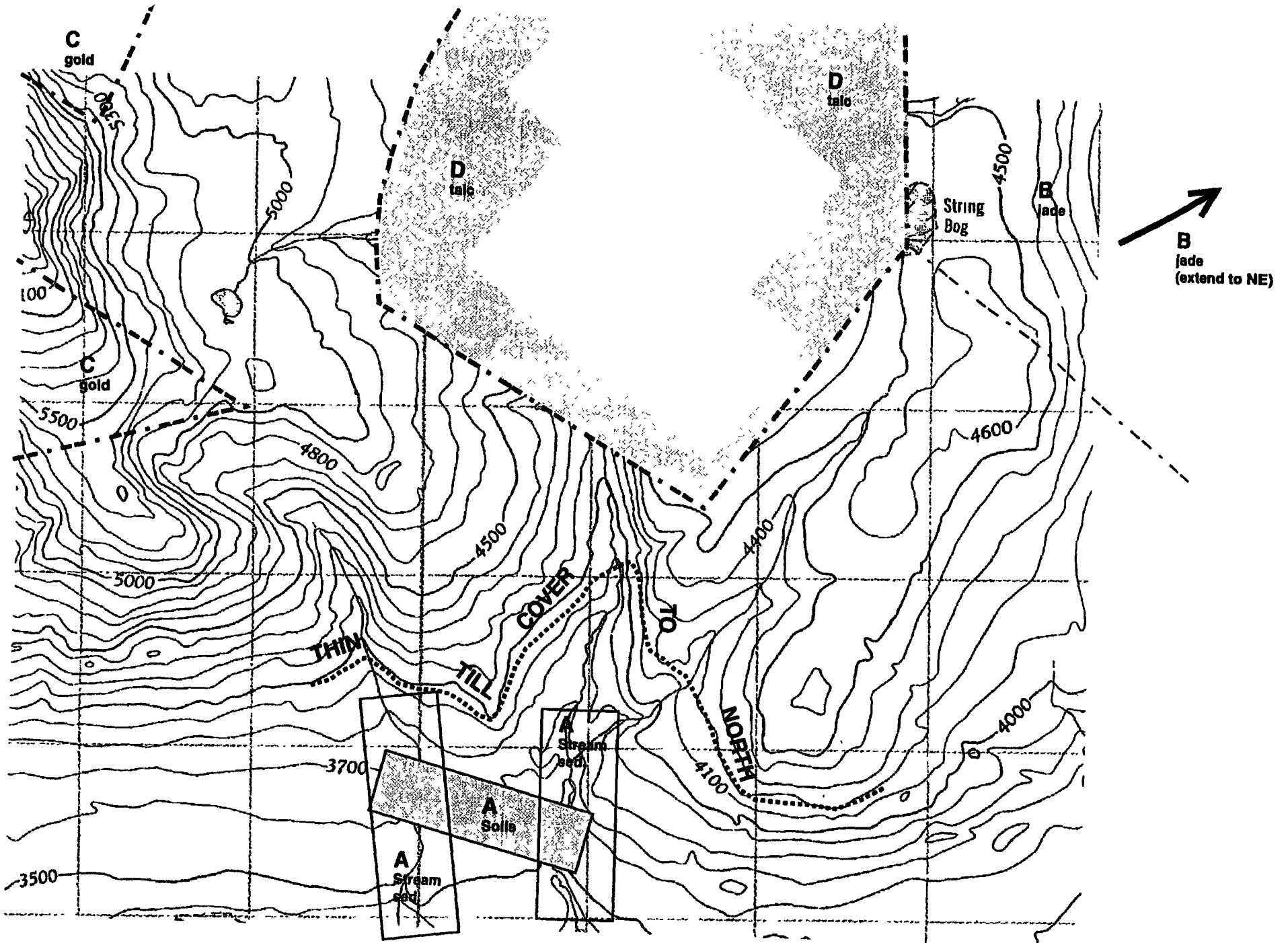


LOCATION MAP: 105A (1:250,000)



REGIONAL GEOLOGY: WATSON LAKE SHEET
(ENLARGED TO 1:250,000 SCALE)





PROPOSED PROSPECTING

RECOMMENDED PROGRAMME

PROSPECTING

AREA "B"

Work by prospectors

20 days prospecting

AREA "C"

Work by prospectors
Rock geochemistry

10 days prospecting
assume 50 samples

AREA "D"

Work by prospectors

5 days prospecting

ESTIMATED COSTS:

Subsistence: 35 man-days @ \$35.00/day x 3	3675.00
Transport to field 314km return x 2	265.76
Transport in field by Argo with operator	3500.00
Analysis @ \$27.00ea for Bondar-Clegg 'Au+8')	1350.00
Sub-total:	\$8788.76
Waste removal/hand trenching filled in	
Prospector's assistant (12days @ 250.00/day)	3000.00
Fuel supplies	165.00
Report preparation (2 days @ \$400.00/day)	800.00
Sub-total	\$ 3965.00

TOTAL EXPENDITURES:

\$12,753.76

COPY

OF

ACCOUNTS

EXPENSE SUBMISSION FOR PROSPECTING YEAR 2001

I) SUBSISTANCE PER DIEM	\$4,025.00
II) TRAVEL COSNTS 4 X 4 RENTAL/MILEAGE	\$2,620.00
III) TRAVEL IN FIELD ARGO RENTAL	\$3,800.00
IV) FUEL	\$ 519.38
V) PROSPECTOR'S HELPER	\$4,750.00
VI) LABOURER	\$2,100.00
VII) FLOAT PLANE RENTAL	\$ 724.00
VIII) MAPS	\$ 4.28
IX) PROSPECTING SUPPLIES	\$ 91.51
X) POSTAGE/FREIGHT	\$ 127.00
XI) ASSAYS	\$1,310.75
XII) ARGO REPAIRS	\$ 438.41
TOTAL EXPENDITURES: YEAR TO DATE: 2001	\$20,510.33

PROSPECTING GRANT 2001

01-049

page 1 of 2

JUN 2001

Grant Approved		SUBSIS-TAKE	TRANS-PORT	ANALYSIS PROJECT ASSISTANT	FUEL SUPPLIES	Miscell-ANEOUS	D.R.	CR	Labourer	GOUT GRANT
\$ 10000 ⁰⁰										
July 2	TRUCK	105 ⁰⁰	390 ⁻			(MHP) 428				9500 72
20	TRUCK	105 ⁰⁰	400 ⁻		250 ⁻ (T) - 258					8722 14
21		105 ⁰⁰			250 ⁻					8367 14
24		105 ⁰⁰			250 ⁻					8012 14
26		105 ⁰⁰								7907 14
29		105 ⁰⁰				60 ⁻ (P) 58 ⁰⁰		150 ⁻		7534 14
Aug 2	TRUCK	105 ⁰⁰	1450 ⁻		250 ⁻					5729 14
3	TRUCK	105 ⁰⁰	2100 ⁰⁰		250 ⁻					3274 14
4		105 ⁰⁰			250 ⁻					2919 14
11		105 ⁰⁰				400 ⁰⁰ 69 ⁰⁰		150 ⁻		2544 22
12		105 ⁰⁰						150 ⁻		2289 52
13		105 ⁰⁰				T. 95 ⁰⁰ (B) 22 08		150 ⁻		1917 14
14		105 ⁰⁰						150 ⁻		1662 14
15		105 ⁰⁰			250 ⁻					1307 14
16		105 ⁰⁰			250 ⁻					952 14
17		105 ⁰⁰			250 ⁻					597 14
18		105 ⁰⁰			250 ⁻					242 14
19		105 ⁰⁰			250 ⁻					<11286>
22		105 ⁰⁰						150 ⁻		<36786>
23		105 ⁰⁰						150 ⁻		<62286>
24		105 ⁰⁰			250 ⁻					<97786>
25		105 ⁰⁰			250 ⁻					<133786>
26		105 ⁰⁰			250 ⁻					<168786>
27		105 ⁰⁰						150 ⁻		<194286>
28		105 ⁰⁰						150 ⁻		<219786>
Sub-TOTAL		2625 ⁰⁰	4340 ⁻	0	3500 ⁻	228 57	15429	150 ⁻		<219786>

LOG REPORT

OF

DAILY ACTIVITIES

LOG REPORT OF DAILY ACTIVITIES

DAY	DATE	DESCRIPTION	Page 1 of 2
1	02Jul.01	prospect canyon section of Hearty Creek	
2	20Jul.01	prospect southern portion of Kettle Creek	
3	21Jul.01	prospect northern portion of Kettle Creek	
4	24Jul.01	prospect headwater kastrukoff Creek	
5	26Jul.01	paperwork and prepare samples	
6	29Jul.01	Re-check northern outcrops	
7	02Aug.01	Prospect headwaters of Hearty Creek	
8	03Aug.01	re-prospect mouth of Kettle Creek	
9	04Aug.01	trip to Watson Lake/supplies etc.	
10	06Aug.01	prepare samples/paperwork/numbering	
11	11Aug.01	trip Watson Lake back to Camp	
12	12Aug.01	prospect Labine Creek	
13	13Aug.01	prospect and sample Labine Creek	
14	14Aug.01	prospect "Swampland" take samples	
15	15Aug.01	Float plane - check out Porcupine river Area	
16	16Aug.01	prospect Packsack Mountain ravine divide	
17	17Aug.01	prospect centre section Kastrukoff Creek	
18	18Aug.01	prospect southern portion Kastrukoff Creek	
19	19Aug.01	prepare notes and samples/number	
20	20Aug.01	number all sample bags and recheck	
21	21Aug.01	prospect ridge - mouth of Bourget Creek	
22	22Aug.01	trip to Watson Lake supplies/samples	
23	23Aug.01	return from Watson Lake to camp	
24	24Aug.01	prospect headwaters Hearty Creek/area	
25	25Aug.01	prospect ridge north Hearty Creek	

DAY	DATE	DESCRIPTION
25	26Aug.01	prospect further nw ridge Hearty Creek
26	27Aug.01	prospect further w. Ridge Hearty Creek
27	28Aug.01	prospect final section of ridge Hearty Creek
28	29Aug.01	prospect partial southern section Hearty Cr.
29	31Aug.01	prospect last section to mouth Hearty Creek
30	01Sep.01	paperwork/number bags/samples
31	03Sep.01	trip to Watson Lake supplies/send samples
32	05Sep.01	return from Watson Lake to camp
33	09Sep.01	prospect north shore area Hasselberg Lake
34	10Sep.01	notes a.m. Prospect east shore Hasselberg L.
35	14Sep.01	prepare equipment and supplies for trip
36	15Sep.01	prospect Echo Creek and area
37	16Sep.01	prospect Kitkat Creek area
38	17Sep.01	trip Campbell hwy. pick up helper/supplies
39	18Sep.01	prepare and drill for samples
40	21Sep.01	continue drilling for samples
41	22Sep.01	continue drilling for samples
42	23Sep.01	trip to Watson Lake replace fuel/propane
43	25Sep.01	return from Watson Lake to Camp pack up Supplies, samples, equipment and personal belongings. Shut down camp for this year.

Copies of daily journal attached

②
Stopped at trail
crossing where Ron
waited with the
Argo. We collected
5 ss. and 3 H.m
samples. No outcrops
of any interest.

July 21/01
8 AM "STELLA" Kevin
Kettle Creek
Travelled via Argo
to trail crossing.
Continued northward
on creek to headwater.
Outcrop - quartzite,
shale - serpentine
rock / quartz / granite
& some soapstone
rocks mainly in
Creek - did SS & H.m
Sampling on return
trip - 10 ss. 4 H.m.
and 4 rock samples.
Walked back to Camp -
8 PM

①
Prospecting Notes
July 2/01
Hearty Creek
STELLA/JON
Water level dropping
fairly well. Took one
rock sample - Magnetite
"magnetic". Continued
to check area out
for any further
indications - None
showing in bedrock.
Magnetite - comes
from further upstream
a possibility. Spent
8 hours x 2 persons

July 20/01
Kettle Creek
9 AM STELLA/JON/JI
Travel via Boat to mouth
of Kettle Creek - Commence
S.S & H.m. Samples for
approximately 2 Km.
upstream.

July 24/01

(3)

9:30 Am

Stella / Row

Travel North east
around peak of mtn.
to the headwaters of
Pastrukoff Creek - Rough
going - buckbrush!
Stunted spruce!!
Took samples of S.S.
and 4 Km. also took
4 samples of bedrock.
fine drizzle starting
We are 4 miles from
Camp - start back
arrive back @
Camp 6:30 P.M. Supper -
Rain / Wind!! that
evening. COLD on
mountain top!!

July 26/01

(4)

Mining Inspector
stopped by on his
way to Ulavine.
Everything OK.

Remained in camp
did up wood supply
dried equipment
prepared for another
trip. Did up
paperwork and
samples.

July 29/01 R/S

Kettle Creek Argo.
Tim + I went to
check out an
area on creek.
did geophysical &
out crops GPS,
Types etc. Return
to Camp. Via Argo.

⑤

Aug 2/01

8 AM - STELLA/ Jon/Ron
"Hearty Creek"

North end - headwater
Travelling VIA Argo
to area - possible
Siderite? Serpentinite,
Talc and soapstone
Took samples -
numbered and brought
back for testing.
Returned VIA Argo
to main camp. 9 PM.
Long day!

Aug. 3/01 - RSS

Kettle Creek - East
side -
9 AM - Raining
but decided to go
ahead anyway.
Found some thing
interesting near mouth
of creek - Cuil Test.

⑥

Decided to put in
6 claims.
Returned to camp
6:30 P.M. Raining
quite heavily now!
Had supper - did
up papers - bed
11 P.M.

12 P.M. Van Kirchbaum
and Son arrive @
camp - Van hurt -
head trauma -
son O.K. They rolled
their Argo. We
called for a medi
Vac - Kevin & I
took turns checking
every 15 minutes
on skin for the rest
of the night - Plane
arrived 8:30 AM
to pick Van up.
No room for his
son - We stayed with us

⑦

Aug 4/01-

Travelled to Watson Lake. Brought in Van's son so he could be with his dad. Hospital medi-vac Van to Whse. for further observation - Son Chris remained w me.

Aug 6/01

Chris' Mom came in on the bus. I have to work all this week!

Did up samples for Assay and paperwork.

Circuit Court 6-10/01

⑧

Aug 11/01

Ron/Stella/Jon
Take supplies back to camp w/a truck and Argo. Prepare for trip next day.

Aug. 12/01. R.S. + J
Leave main camp 8:15 Am going west to mouth of Kootenai Creek. Prospect Creek flowing from south into Bourget Creek and Labine Creek.
Collected ss + Am plus rock samples.
GARNETS in place in boulder 5' x 6' x 5' and in small 1' x 1' x 2'. Colour range - pinkish red -
Odd clear one.
No real angles showing.
return 9 pm.

Aug. 13/01

(9)

A.M.
Service and clean
Arqs for next day.
Do up notes / secure
samples.

12:30 P.M. Travel
West along Bourx
to ~~Kastrukoff~~ pick one
more sample S.S. + H.M.
Return to Camp. 8:30pm

Aug. 14/01 R.S.J.

"Swampland"

"mosquito heaven"

Prospect westward
toward Kastrukoff
Creek. Took one

S.S. and checked
out side stream
No luck - return to
Camp. 8 hrs.

1

Aug 15/01

(10)

Raining this
morning - supposed
to clear P.M.

Ordered float plane
for afternoon trip.
to Kocupsine Run
and Lake.

Checked out area
from plane - decided
on where to prospect
next season -

\$ 724.00 for plane
rental.

Returned to Camp.

Aug 16/01. 10AM S+J

Rucksack mtn:

Walked to divide
Took 3 outcrops
Samples - limestone -
quartz + unknown
Return Camp 7PM.

(11)
Aug 17/01 R S S

Kastrukoff Creek
Took Argo to Creek -
Prospect for Jade
Gold.

Found some Jade
boulders - small
ones - even found
soapstone boulders.
Prospected 2 miles
of creek plus first
& entry side
Creek poor - mostly
granite / quartz boulders
Outcrops along
creek - shows some
pyrite / copper? require
Assay - Return
to camp 10 p.m.

(12)
Aug 18/01.

Kastrukoff Creek
South end. One
mile took S.S. Hm.
Rock samples to
where it flows
into Alexander
Lake. 1-1½ mi long.
Swamp north end -
got stuck! Took
ridge trail - mostly
gravel - along the
Lake. Kastrukoff Creek
flows out of Lake into
Porcupine River. We
changed direction
to eastward along
Apache mtn. basin
serpentine boulders
granite boulders
Quartz Rock - 7 P.M.
Starts raining - decid
to head home. arrive
at Camp Midnight 1

Aug. 19/01. R + S + J ⁽¹³⁾

hry out rain gear
Clean out cargo
mud / sticks etc.
repair tires.

Ho up notes and
number samples.

Friends drop by
in the afternoon.
Had coffee and gave
us fresh meat for
supper.

We gave them
some fresh home made
bread and home made
jam.

Aug. 20/01

Raining too
much today!!

RECT Sample Number

Aug 22/01 ⁽¹⁴⁾
RSS

Prospect mouth
ridge of Bourquet
Creek. East area.
some Jade / serpentine
soak samples from
outcroppings.

Return to camp -
number & prepare
for assay.

Aug 23/01

Trip to Watson
Lake for gas,
propane and
groceries.
Did up 5 boxes
of samples and
sent out to Chemf.
FREIGHT - \$127.00

Aug 24/01

Return to Camp

Aug. 23/01

Mileage - $140 \text{ km} \times 2 = 280 \text{ km}$

Gas: \$137.00

Groceries 12

August 24 - 01

Return to main Camp.
prepare equip. to
continue prospecting

Prospect
Aug 25/01 R50

Travel up Marty
Creek to Bog -
and NE to head-
water of Marty Creek -
Collected samples of rock
and sediment / heavy
metals - but decided
to continue Northwest
along - clear ridges
for the next 20
miles approximately.
Collected 4 rock samples.
Return to Valley + set
up camp! Major traps ^{for}
~~me~~ ^{me} ~~out~~ ^{out} chopping
Chopper flew over us
in the 2nd valley
Northwest - Afternoon - mid-
heading toward Wolverine
or Fish Lake Area.

Prospect
August 26/01 R+S

Returned to ridge to
continue prospecting
areas of interest.
collected three further
samples.

Saw three bull Caribou
and 2 cows. Right! they
are not afraid but very
curious - came over to
us!!

Called it a day and
returned to Camp - 7pm

Prospect. R+S
Aug. 27/01 Rain gear

Continue Northwesterly
trek -
Found large outcrop
of magnetic bedrock.
took samples - 3 Total
followed outcrop
along side of ridge
for 1/4 mile - boulders
began pieces magnetic
from boulders as well.

R+S
Aug 28/01 Prospect
Rain gear again

Mild final trek
along ridge - samples
from outcrops and
floats -
Strat "Top ridge"
showed largely float
on the surface -
largely serpentine mat.
took samples returned to

Aug. 29/01 R+S
Hearty Creek
Commenced @ 8:30 AM
to prospect said creek
traveled up approx
1/2 the length of the creek
Took 6 rock samples
8 Am + SS (4 each)
Rok outcrops - shale
(grey) with quartz veins
1/4" to 2" in size.

Sunny today - to cloud
and light wind. Good
day today -

Chain came off sprocket
on Cargo - were able to
put it back on but
chain tightener broken!

Return main camp
2: PM

Target.
Aug 30/ Eugene Casper
camps for PGE
TEST. RS+S

Aug 31/01 Prospect
Hearty Creek - south
end to complete lower
section. Jack soils
to Beaver dams. Last
part heavily damaged -
No proper samples
can be taken!

Sept 1/01 - Rain -
do paper work - Samples
check - Cook/kake.

Sept 2/01
Still quite wet
day of rest!

* Sept 3-4-5 go
to W.L. for wash
supplies - Jim to return
with plane to camp 6th

Sept 8/01 TARGET
8 AM RST
Deci today Cloudy but
no rain - return to Canyon
Continue mapping - samples -
map out crops - return
samples to Orgo - Lunch - continue
mapping - return to Orgo
6:20 pm - return to Camp
7:40 pm - Supper - day's
done.

Sept 9/01 Prospect
S + J
Rained most of the night -
still raining in the morning
Do up paperwork this A.M.

P.M: Checked North Shore
west 3000' boulders
Consist - peridotite,
jade, quartz, soapstone
granite - fine grade
Conglomerate similar to
109-816

Sept 10/01 Sept.

Raining again this
Am - do more paperwork

S+J
P.M. Sun peaking thru
Checked 3000' shoreline
North on east side -
Boulders - small -
mostly granite
one conglomerate some
or similar to mt. Phurbi
some small jade &
serpentine - mostly
gravel & sand with
smaller rock bottom -
Shoreline overgrown
not as shallow as
west side *

* still wish it
was August!!!

Have to phone
Cherry for more soil

TARGET

bags - another

250 ? Pentagon-bombad

~~Sept 10/01 - Trade Centre
Bombed!~~

Sept. 11/01 8:30 - 2:30 P.M. ^{Am} R. 3:30
Return to Eugene

Creek - complete mapping
Canyon - collect more
samples from bedrock.

Lunch 2:30 - 3: P.M.

Walk grid - take
compass readings
& Athi measure each
sample hole distance
for mapping of grid
line.

Return to main
Camp @ 7:30 P.M.

All plans grounded
Canada & U.S.A.

Sept 12/01

Raining once more
All planes still
grounded -

He's up paperwork
Tim - working on
Mapping Canyon.

Today (SEPT 11/01)

*Visitors came in
Today from the USA
Roger, Mark & Ray.
Roger from Boulder
Colorado, Mark (lawyer)
and Ray (Rancher,
Black Angus) from
Wyoming = In to
do some site seeing
& fishing!
Staying w/ us in
the cabin!

Sept 12/01

Planes still
grounded. Continue
w/ paperwork. Tim
continues w/ mapping
Other guys out
fishing in the rain!

Fish for supper!
[I don't eat fish - (a
sandwich is mine)]

Sept 13/01

Planes can fly
Tim took off this
afternoon just
before the rain.
Started once more!
Gump out at other
lake fishing - SKUNKED
NO FISH!!
Yeah! Ham for
Supper!!

Sept 14/01
Group left just
before lunch - headed
out to highway - going
up mountain @ 8 miles
Jade Mountain!

We got our equipment
ready to go out and
do some more prospecting

Project

Sept 15/01 R+S

Travelled out to
Creek west of camp
Checked for jade
boulders - may
have found some
smaller ones! Have
to drill them or
cut a piece off!
(NEXT Project)

Sept 16/01. R+S

Entered Bourget
Creek @ KAT 7+8 -
post #2 claims.
Prospected for jade
boulders. Found 2
and some smaller
ones. Have to take
samples from them
yet.

Sept 17/01

Weather changing.
Cloudy but clearing
Hope the nice
weather holds until
the weekend is over!
Service Argo this A.M.
Pick up Jon this
afternoon.

Sept 18/01 R55

Go back to Kat 748
area - dull boulders
serpentine - darn!!
Rained all day!! got
soaked -

Creeks rose 1 foot -
2 feet from all the

*Rain

Thunder storm later
3 AM - lightening too!

Rained so hard filled
Canoe (20') $\frac{1}{2}$ full
before morning - light
drained & got about
another 5 gal in it
during the day!!

Sept 19/01

Fog right down to
shoreline - raining -
noon rain slowed to
drizzle then mist from
fog. supposed to
clear for tomorrow!!

Have Migrane - took pills
hope it goes away within
a couple days! Unshlo's
work

Sept. 20/01

Migrane still
active - staying
very quiet today.

Sept 21/01 R55
10 AM
Migrane gone - gone
to drill some more
boulders - NO good ones

RSJ

Sept 22/01

Went to ~~Fastrop~~
Creek - drilled better
BINGO!!

Time to take a
break. Return to
Camp.

Sept 23/01 RSJ

Travel to Watson
Lake -

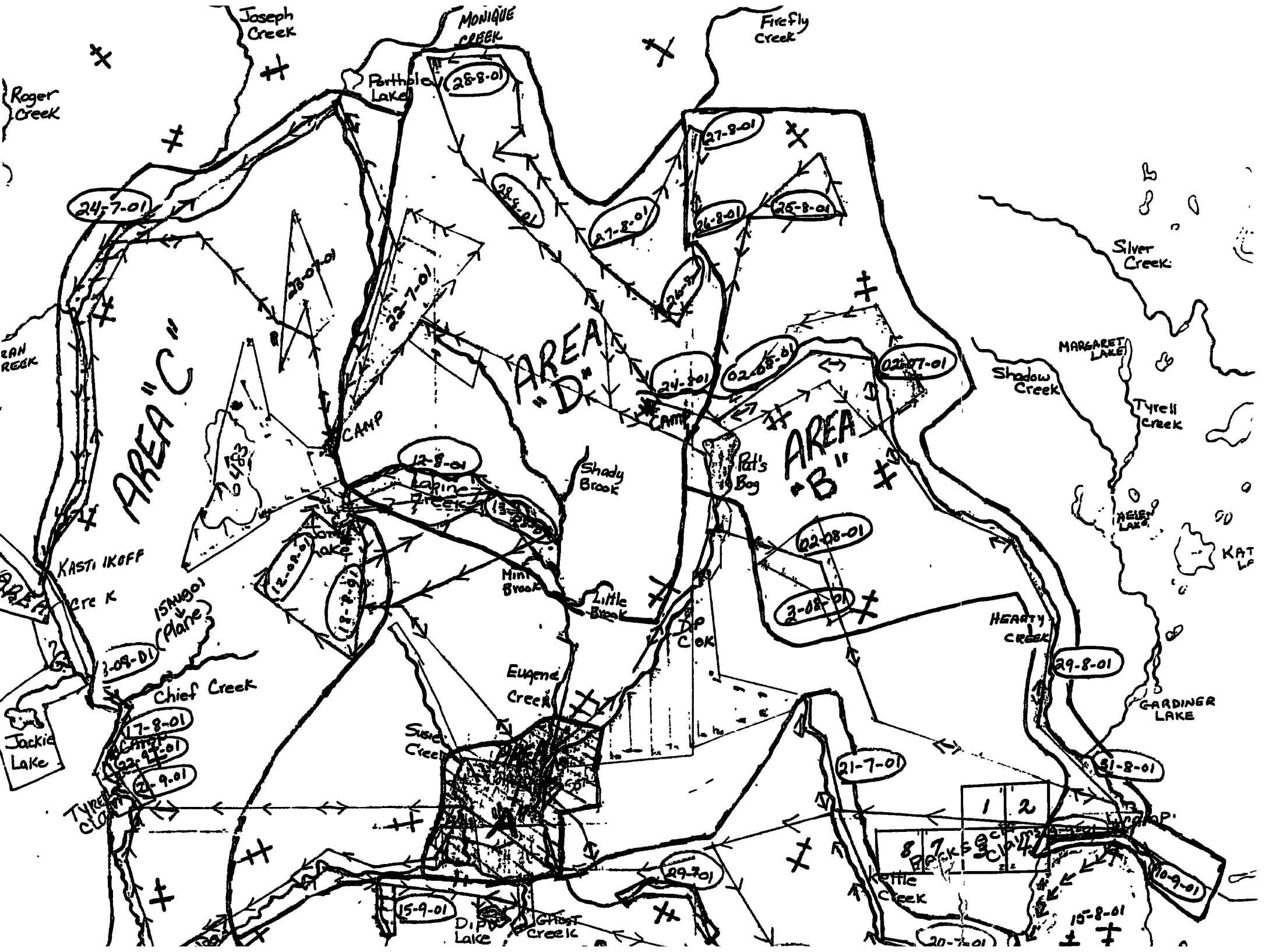
groceries, gas
propane -
(Judge hard on
propane tanks).

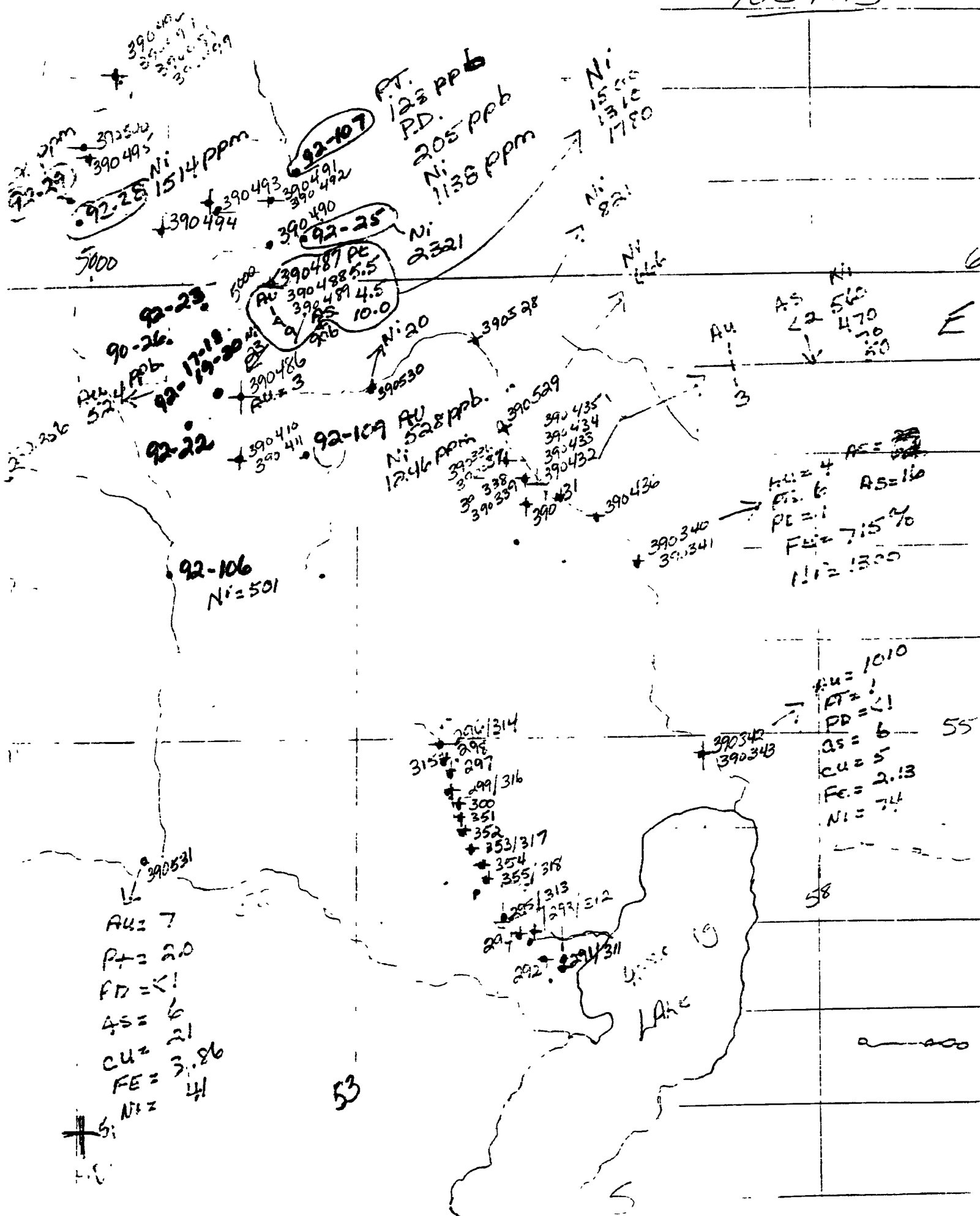
25 Sept 01

Return to Camp sample
pack up samples / supplies
equipment and shut
down camp for this
year!

MAPS

SEASON Prospective ground	NEXT E, F, G	TARGET	LEGEND
(7) NEW claims	DATES	15 AUG 01	Plane Flight
	Routes		





Au = 4
 PE = 1
 FE = 7.15%
 Ni = 1300

Au = 1010
 PE = 1
 PD = 1
 AS = 6
 CU = 5
 FE = 2.13
 Ni = 74

Au = 7
 PE = 20
 PD = 1
 AS = 6
 CU = 21
 FE = 3.86
 Ni = 41

53

58

55

Lake

1000

105A13
105A13

1/50,000

1/1

Prospectors 1. ap
Sampling

Jade
390401
390402
390403
390404
390405
390412
390406/390407
390408
390409

Jade
474
473
472
471
430
429
428
470
469
468
390532

390414
390413
(Sak)

Jade
S. ...

TRACES
316

390335

Serpentine

51

→1

→1

ASSAY RESULTS

FROM

ALS CHEMEX LABS

VANCOUVER, B.C.





ALS Chemex

Aurora Laboratory Services Ltd
 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave, North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

INVOICE NUMBER

I 0 1 2 3 5 2 6

BILLING INFORMATION

Date: 05-SEP-2001
 Project:
 P.O. No.:
 Account: MPR

Comments:

Billing: For analysis performed on
 Certificate A0123526

Terms: Payment due on receipt of invoice
 1.25% per month (15% per annum)
 charged on overdue accounts

Please Remit Payments to:

ALS CHEMEX
 212 Brooksbank Ave.,
 North Vancouver, B.C.
 Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
3	- ME-ICP41	8.00		
	- PREP-41	2.50		
	WEI-21 - Weight of received sample	0.00		
	Au-AA23 - Au-AA23 : Au ppb: Fuse 30 grams	12.00	22.50	67.50
2	- ME-ICP41	8.00		
	- PREP-41	2.50		
	WEI-21 - Weight of received sample	0.00	10.50	21.00
Additional charges:				
1	BAT-01 - Batch processing fee	30.00		30.00
3	SCR-41/kg - -180 micron screen per kg charge	0.75		2.25
				Total Cost \$ 120.75
(Reg# R100938885)				GST \$ 8.45
TOTAL PAYABLE (CDN) \$				129.20



ALS Chemex

Aurora Laboratory Services Ltd
 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

INVOICE NUMBER

I 0 1 2 3 4 6 0

BILLING INFORMATION

Date: 05-SEP-2001
 Project:
 P.O. No.:
 Account: MPR

Comments:

Billing: For analysis performed on
 Certificate A0123460

Terms: Payment due on receipt of invoice
 1.25% per month (15% per annum)
 charged on overdue accounts

Please Remit Payments to:

ALS CHEMEX
 212 Brooksbank Ave.,
 North Vancouver, B.C.
 Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
75	- ME-ICP41	8.00		
	- PREP-31	6.00		
	WEI-21 - Weight of received sample	0.00	14.00	1050.00
Additional charges:				
1	BAT-01 - Batch processing fee	30.00		30.00
69	CRU-31 - Crush to 70% -2mm per kg charge	0.20		13.80
69	SPL-21 - Riffle splitting charge per kg	0.05		3.45
				Total Cost \$ 1097.25
(Reg# R100938885)				GST \$ 76.81
TOTAL PAYABLE (CDN) \$				1174.06



ALS Chemex

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 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

INVOICE NUMBER

I 0 1 2 4 0 2 6

BILLING INFORMATION

Date: 06-SEP-2001
 Project:
 P.O. No.:
 Account: MPR

Comments:

Billing: For analysis performed on
 Certificate A0124026

Terms: Payment due on receipt of invoice
 1.25% per month (15% per annum)
 charged on overdue accounts

Please Remit Payments to:

ALS CHEMEX
 212 Brooksbank Ave.,
 North Vancouver, B.C.
 Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
1	212 - Overlimit pulp, to be found Ag-AA46 - Ag g/t: Conc. Nitric HCl dig'n	0.00 7.00	7.00	7.00
Total Cost \$				7.00
(Reg# R100938885) GST \$				0.49
TOTAL PAYABLE (CDN) \$				7.49



ALS
 Aurora Laboratory Services Ltd
 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

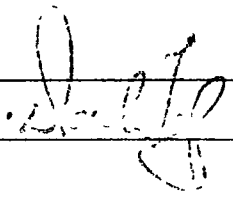
BOX 81
 WATSON LAKE, YT
 Y0A 1C0

Total Pages 1
 Certificate Date: 'JL-2001
 Invoice # 9609
 P.O. #
 Account # MPR

Project :
 Comments: ATTN: STELLA HEARTY

CERTIFICATE OF ANALYSIS A0119609

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm
HCR1940-01	299 --	0.01	0.17	10.7	< 10	6.8	< 0.05	0.06	0.09	0.01	0.12	43.9	517	0.25	10.6	2.57	0.50	0.15	< 0.02	0.01
HCR1940-02	299 --	< 0.01	0.11	51.3	< 10	4.0	< 0.05	0.04	0.10	0.03	0.06	36.4	356	0.05	6.6	1.98	0.20	0.10	< 0.02	0.02

CERTIFICATION: 



ALS CHEMEX

Aurora Laboratory Services Ltd
 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

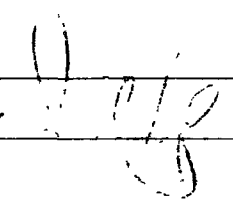
BOX 81
 WATSON LAKE, YT
 Y0A 1C0

Total Pages 1
 Certificate Date JL-2001
 Invoiced 9609
 P.O. ber
 Accol. MPR

Project
 Comments: ATTN: STELLA HEARTY

CERTIFICATE OF ANALYSIS A0119609

SAMPLE	PREP CODE	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm
HCR1940-01	299 --	< 0.005	< 0.01	< 0.2	1.0	>15.00	2180	0.25	< 0.01	< 0.05	564.0	10	1.4	0.2	< 0.001	< 0.01	0.70	4.7	1.0	< 0.2
HCR1940-02	299 --	< 0.005	< 0.01	< 0.2	0.2	7.59	370	0.25	< 0.01	< 0.05	621.0	< 10	0.2	< 0.1	< 0.001	0.02	0.90	3.4	0.2	0.4

CERTIFICATION: 



ALS Chemex

Aurora Laboratory Services Ltd
 Analytical Chemists * Geochemists * Registered Assayers
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HEARTY, STELLA

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 Y0A 1C0

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CERTIFICATE OF ANALYSIS

A0119609

SAMPLE	PREP CODE	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
HCR1940-01	299 --	0.8	< 0.01	< 0.01	< 0.2	< 0.01	< 0.02	< 0.05	10	0.90	0.15	10	< 0.5
HCR1940-02	299 --	0.2	< 0.01	< 0.01	< 0.2	< 0.01	< 0.02	< 0.05	9	0.35	0.15	8	< 0.5

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HEARTY, STELLA

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Project
 Comments: ATTN: STELLA HEARTY

CERTIFICATE OF ANALYSIS

A0123460

SAMPLE	PREP CODE	Weight Kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
390315	94139402	0.34	< 0.2	6.13	204	< 10	390	2.0	< 2	2.21	0.5	7	118	32	2.68	10	< 1	0.52	< 10	0.89
390319	94139402	1.66	< 0.2	0.43	< 2	< 10	220	< 0.5	< 2	0.34	0.5	10	34	< 1	1.39	< 10	< 1	0.04	< 10	0.29
390322	94139402	0.30	< 0.2	1.07	10	< 10	100	< 0.5	< 2	0.75	0.5	7	147	2	2.46	< 10	< 1	0.62	< 10	0.63
390327	94139402	0.74	< 0.2	3.25	< 2	< 10	20	< 0.5	< 2	4.72	< 0.5	6	89	< 1	0.84	< 10	< 1	0.01	< 10	2.53
390330	94139402	0.46	< 0.2	0.56	24	< 10	90	0.5	< 2	0.16	0.5	8	98	15	2.07	< 10	< 1	0.23	< 10	0.24
390331	94139402	1.18	1.2	0.18	12	< 10	20	< 0.5	< 2	0.01	< 0.5	< 1	79	1	3.53	< 10	3	0.11	< 10	0.01
390351	94139402	2.70	0.2	0.14	8	< 10	80	< 0.5	< 2	< 0.01	< 0.5	< 1	128	15	1.08	< 10	2	0.09	< 10	< 0.01
390401	94139402	0.14	< 0.2	0.01	58	< 10	< 10	< 0.5	< 2	0.18	0.5	62	84	5	2.26	< 10	< 1	< 0.01	< 10	8.51
390402	94139402	0.74	< 0.2	4.80	< 2	< 10	30	< 0.5	< 2	2.64	< 0.5	1	40	121	0.43	< 10	< 1	0.01	< 10	0.31
390405 (1)	94139402	2.12	< 0.2	0.83	< 2	< 10	70	< 0.5	< 2	0.08	< 0.5	< 1	136	8	1.33	< 10	< 1	0.34	< 10	0.29
390405 (2)	94139402	2.20	< 0.2	0.30	< 2	< 10	10	< 0.5	< 2	0.05	< 0.5	< 1	128	6	0.85	< 10	< 1	0.07	< 10	0.09
390407	94139402	0.28	< 0.2	1.20	2	< 10	70	< 0.5	< 2	0.55	0.5	15	273	17	2.50	< 10	< 1	0.10	< 10	1.29
390408	94139402	0.86	< 0.2	5.02	< 2	< 10	550	< 0.5	< 2	1.95	0.5	18	372	31	2.54	< 10	< 1	1.53	< 10	2.21
390409	94139402	1.62	< 0.2	3.43	< 2	< 10	620	< 0.5	< 2	2.26	< 0.5	8	100	332	1.08	< 10	< 1	0.16	< 10	0.51
390410	94139402	1.42	< 0.2	3.18	< 2	< 10	20	< 0.5	< 2	0.93	< 0.5	9	298	121	1.36	< 10	< 1	0.01	< 10	1.31
390411	94139402	1.02	< 0.2	1.00	< 2	< 10	20	< 0.5	< 2	0.19	< 0.5	8	108	6	1.08	< 10	< 1	0.01	< 10	0.81
390413	94139402	3.14	0.6	0.29	8	< 10	40	< 0.5	< 2	0.01	< 0.5	5	88	5	1.83	< 10	4	0.03	< 10	0.01
390414	94139402	0.38	0.2	0.04	6	< 10	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	127	< 1	2.70	< 10	< 1	0.01	< 10	< 0.01
390415	94139402	0.78	7.2	0.05	40	< 10	20	< 0.5	< 2	< 0.01	< 0.5	< 1	141	86	1.57	< 10	3	0.01	< 10	< 0.01
390416	94139402	0.64	< 0.2	0.50	4	< 10	100	1.5	10	1.54	2.5	56	87	197	6.76	< 10	< 1	0.02	< 10	1.56
390417	94139402	1.08	1.0	0.40	6	< 10	50	< 0.5	< 2	0.01	< 0.5	8	104	7	2.09	< 10	4	0.03	< 10	< 0.01
390418 (1)	94139402	3.74	2.0	0.07	10	< 10	30	< 0.5	< 2	0.01	< 0.5	< 1	109	50	1.06	< 10	3	0.02	< 10	< 0.01
390418 (2)	94139402	2.84	2.4	0.09	10	< 10	10	< 0.5	< 2	< 0.01	< 0.5	1	146	59	1.26	< 10	2	0.03	< 10	< 0.01
390419	94139402	0.54	< 0.2	0.45	< 2	< 10	190	0.5	< 2	0.05	0.5	15	96	59	2.61	< 10	< 1	0.13	< 10	0.18
390420	94139402	0.56	0.2	0.19	2	< 10	140	< 0.5	< 2	< 0.01	< 0.5	< 1	91	1	0.56	< 10	1	0.06	< 10	0.01
390421	94139402	0.38	< 0.2	0.60	< 2	< 10	300	< 0.5	< 2	0.45	0.5	8	94	50	2.16	< 10	< 1	0.25	< 10	0.40
390451	94139402	1.88	< 0.2	0.62	< 2	< 10	160	2.5	22	0.50	5.5	35	144	106	11.60	10	< 1	0.05	< 10	2.13
390452	94139402	0.92	< 0.2	1.14	< 2	< 10	100	< 0.5	< 2	1.16	0.5	20	52	162	2.04	< 10	< 1	0.08	< 10	0.65
390453	94139402	2.14	5.6	0.25	< 2	< 10	760	< 0.5	< 2	0.05	< 0.5	< 1	90	12	0.56	< 10	< 1	0.03	< 10	0.05
390453 TOP	94139402	0.68	0.2	0.56	< 2	< 10	160	< 0.5	< 2	0.01	< 0.5	< 1	34	12	0.51	< 10	< 1	0.04	< 10	0.03
390453 MIDDLE	94139402	0.78	< 0.2	0.57	< 2	< 10	270	1.0	6	0.17	2.5	34	127	42	6.27	< 10	1	0.03	< 10	1.13
390453 BOTTOM	94139402	1.00	0.2	0.12	4	< 10	10	< 0.5	< 2	< 0.01	< 0.5	< 1	112	< 1	1.14	< 10	< 1	0.03	< 10	0.02
390454	94139402	0.68	< 0.2	0.56	< 2	< 10	210	2.5	< 2	0.53	< 0.5	33	129	82	11.45	< 10	< 1	0.05	< 10	1.58
390454 A	94139402	0.54	< 0.2	0.57	< 2	< 10	40	2.0	< 2	0.48	< 0.5	45	181	39	11.10	< 10	1	0.03	< 10	2.00
390454 B	94139402	0.94	0.4	0.43	10	< 10	1720	< 0.5	2	0.06	< 0.5	8	81	12	2.58	< 10	7	0.03	< 10	0.16
390454 C	94139402	0.88	0.2	0.46	2	< 10	180	< 0.5	< 2	0.02	< 0.5	3	61	2	0.34	< 10	1	0.03	< 10	0.04
390454 D	94139402	0.44	0.4	0.40	2	< 10	180	< 0.5	< 2	0.01	< 0.5	2	53	2	0.30	< 10	11	0.04	< 10	0.01
390454 E	94139402	0.66	4.2	0.18	4	< 10	60	< 0.5	< 2	< 0.01	< 0.5	1	84	3	0.27	< 10	< 1	0.04	< 10	0.01
390454 F	94139402	0.24	< 0.2	0.04	< 2	< 10	30	< 0.5	< 2	0.01	< 0.5	< 1	153	2	0.31	< 10	1	< 0.01	< 10	< 0.01
390454 G	94139402	0.98	6.2	0.21	6	< 10	190	< 0.5	6	0.01	< 0.5	3	104	15	0.40	< 10	4	0.03	< 10	0.02

CERTIFICATION: _____



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HEARTY, STELLA

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Project:
 Comments: ATTN: STELLA HEARTY

CERTIFICATE OF ANALYSIS A0123460

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
390315	94139402	145	4	0.28	20	370	< 2	0.18	2	7	141	0.05	< 10	< 10	56	< 10	72
390319	94139402	220	< 1	0.06	6	440	< 2	0.39	< 2	3	35	0.07	< 10	< 10	22	< 10	26
390322	94139402	680	1	0.05	23	710	< 2	0.02	< 2	7	12	0.11	< 10	< 10	76	< 10	72
390327	94139402	365	1	0.13	38	110	< 2	< 0.01	< 2	2	76	< 0.01	< 10	< 10	10	< 10	< 2
390330	94139402	320	1	< 0.01	23	650	6	0.03	< 2	3	2	0.01	< 10	< 10	32	< 10	74
390331	94139402	< 5	1	< 0.01	7	220	< 2	3.60	18	< 1	18	< 0.01	< 10	< 10	4	< 10	< 2
390351	94139402	< 5	1	< 0.01	6	130	< 2	0.88	2	< 1	7	< 0.01	< 10	< 10	12	< 10	< 2
390401	94139402	330	< 1	< 0.01	1355	160	< 2	0.10	< 2	4	8	< 0.01	< 10	< 10	3	< 10	6
390402	94139402	65	3	0.44	24	570	< 2	< 0.01	< 2	2	130	0.08	< 10	< 10	18	< 10	< 2
390405 (1)	94139402	90	< 1	0.03	12	250	12	< 0.01	< 2	3	4	0.06	< 10	< 10	24	< 10	18
390405 (2)	94139402	85	< 1	< 0.01	6	260	< 2	0.01	< 2	< 1	1	< 0.01	< 10	< 10	6	< 10	6
390407	94139402	415	1	0.07	141	680	< 2	< 0.01	< 2	5	17	0.11	< 10	< 10	58	< 10	22
390408	94139402	315	3	0.27	112	880	< 2	< 0.01	< 2	8	137	0.26	< 10	< 10	108	< 10	26
390409	94139402	180	2	0.34	15	460	< 2	0.03	< 2	6	61	0.15	< 10	< 10	44	< 10	10
390410	94139402	115	1	0.21	82	180	< 2	< 0.01	2	1	34	0.01	< 10	< 10	29	< 10	10
390411	94139402	240	< 1	0.05	37	160	< 2	< 0.01	< 2	3	3	0.02	< 10	< 10	31	< 10	10
390413	94139402	< 5	< 1	< 0.01	12	130	< 2	1.95	10	< 1	7	< 0.01	< 10	< 10	9	< 10	< 2
390414	94139402	< 5	< 1	< 0.01	< 1	110	< 2	2.77	2	< 1	1	< 0.01	< 10	< 10	3	< 10	< 2
390415	94139402	< 5	< 1	< 0.01	1	110	< 2	1.34	30	< 1	1	< 0.01	< 10	< 10	4	< 10	< 2
390416	94139402	1525	< 1	< 0.01	60	300	< 2	0.58	8	34	27	< 0.01	< 10	< 10	166	< 10	80
390417	94139402	< 5	< 1	< 0.01	17	140	< 2	2.08	8	< 1	10	< 0.01	< 10	< 10	12	< 10	< 2
390418 (1)	94139402	5	1	< 0.01	1	110	< 2	0.45	28	< 1	2	< 0.01	< 10	< 10	6	< 10	< 2
390418 (2)	94139402	5	< 1	< 0.01	4	110	< 2	1.09	28	< 1	1	< 0.01	< 10	< 10	4	< 10	10
390419	94139402	620	1	< 0.01	45	220	< 2	0.48	< 2	10	5	0.01	< 10	< 10	57	< 10	52
390420	94139402	25	1	< 0.01	2	130	2	0.01	4	< 1	12	< 0.01	< 10	< 10	15	< 10	< 2
390421	94139402	560	1	< 0.01	38	430	< 2	0.06	< 2	5	7	0.03	< 10	< 10	43	< 10	50
390451	94139402	2660	< 1	< 0.01	50	320	< 2	0.15	< 2	58	26	< 0.01	< 10	< 10	220	< 10	70
390452	94139402	265	< 1	0.17	33	620	< 2	0.22	< 2	10	57	0.14	< 10	< 10	61	< 10	16
390453	94139402	45	< 1	< 0.01	4	130	< 2	0.04	< 2	1	10	< 0.01	< 10	< 10	14	< 10	< 2
390453 TOP	94139402	< 5	< 1	< 0.01	1	140	2	0.01	4	4	33	< 0.01	< 10	< 10	32	< 10	< 2
390453 MIDDLE	94139402	1380	< 1	< 0.01	55	180	< 2	0.08	< 2	31	34	< 0.01	< 10	< 10	133	< 10	92
390453 BOTTOM	94139402	20	< 1	< 0.01	1	110	< 2	0.84	6	< 1	4	< 0.01	< 10	< 10	6	< 10	< 2
390454	94139402	3340	< 1	< 0.01	49	220	< 2	0.45	2	42	16	< 0.01	< 10	< 10	170	< 10	90
390454 A	94139402	2090	< 1	< 0.01	118	120	8	1.88	12	52	21	< 0.01	< 10	< 10	220	< 10	96
390454 B	94139402	455	< 1	< 0.01	21	140	2	0.08	20	8	46	< 0.01	< 10	< 10	53	< 10	42
390454 C	94139402	40	< 1	< 0.01	6	< 10	< 2	0.03	8	1	6	< 0.01	< 10	< 10	16	< 10	8
390454 D	94139402	25	< 1	< 0.01	7	20	< 2	0.01	8	< 1	9	< 0.01	< 10	< 10	13	< 10	8
390454 E	94139402	20	< 1	< 0.01	4	< 10	< 2	< 0.01	< 2	< 1	2	< 0.01	< 10	< 10	7	< 10	2
390454 F	94139402	15	< 1	< 0.01	4	100	< 2	< 0.01	6	< 1	1	< 0.01	< 10	< 10	2	< 10	2
390454 G	94139402	20	1	< 0.01	7	< 10	6	0.08	6	< 1	5	< 0.01	< 10	< 10	9	< 10	8

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SAMPLE	PREP CODE	Weight Kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
390455	94139402	0.56	2.2	0.03	2	< 10	10	< 0.5	2	< 0.01	< 0.5	< 1	141	84	0.41	< 10	< 1	0.01	< 10	0.03
390456	94139402	0.76	0.2	0.04	< 2	< 10	< 10	< 0.5	< 2	0.03	< 0.5	1	141	6	0.50	< 10	< 1	0.01	< 10	< 0.01
390457	94139402	0.30	0.4	0.38	8	< 10	130	< 0.5	2	0.02	< 0.5	2	53	5	0.50	< 10	12	0.05	< 10	0.03
390458	94139402	0.38	< 0.2	3.68	< 2	< 10	50	< 0.5	2	1.32	< 0.5	11	166	3	2.11	< 10	< 1	< 0.01	< 10	0.74
390459	94139402	0.78	0.2	0.05	< 2	< 10	< 10	< 0.5	< 2	0.01	< 0.5	< 1	131	1	0.24	< 10	< 1	< 0.01	< 10	0.05
390460	94139402	0.64	< 0.2	2.10	< 2	< 10	410	1.0	< 2	0.16	< 0.5	8	117	4	2.65	< 10	< 1	1.17	10	0.78
390461	94139402	0.08	< 0.2	6.60	< 2	< 10	20	< 0.5	< 2	1.87	< 0.5	19	12	< 1	3.36	< 10	< 1	< 0.01	< 10	3.47
390462	94139402	0.12	< 0.2	2.29	< 2	< 10	30	< 0.5	10	1.96	< 0.5	11	42	< 1	0.73	< 10	< 1	< 0.01	< 10	1.09
390463	94139402	0.24	0.4	0.16	< 2	< 10	250	< 0.5	< 2	>15.00	< 0.5	1	20	< 1	0.29	< 10	1	< 0.01	< 10	0.40
390464	94139402	0.14	< 0.2	0.05	50	< 10	< 10	< 0.5	2	0.33	< 0.5	11	70	1	0.20	< 10	< 1	< 0.01	< 10	0.34
390465	94139402	1.42	0.2	0.70	< 2	< 10	50	< 0.5	< 2	13.90	< 0.5	4	21	< 1	1.06	< 10	< 1	0.09	< 10	0.48
390466	94139402	0.70	< 0.2	1.53	< 2	< 10	50	< 0.5	4	1.11	< 0.5	9	32	< 1	2.41	< 10	< 1	0.10	10	0.92
390467	94139402	1.00	0.2	0.01	< 2	< 10	10	< 0.5	< 2	>15.00	< 0.5	< 1	3	< 1	0.03	< 10	3	< 0.01	< 10	0.42
390468	94139402	0.82	< 0.2	0.09	8	< 10	30	< 0.5	< 2	0.44	< 0.5	1	83	10	0.67	< 10	1	0.06	< 10	< 0.01
390469	94139402	0.12	< 0.2	0.05	6	< 10	50	< 0.5	8	2.57	< 0.5	7	6	< 1	0.46	< 10	1	< 0.01	< 10	0.32
390470	94139402	0.62	< 0.2	0.34	6	< 10	20	< 0.5	4	0.04	< 0.5	< 1	72	4	0.65	< 10	< 1	0.14	10	0.08
390471	94139402	0.42	0.6	0.06	48	< 10	30	< 0.5	< 2	11.65	< 0.5	42	263	23	2.57	< 10	1	0.02	< 10	6.27
390472	94139402	0.90	0.4	5.34	< 2	< 10	30	1.0	< 2	4.33	< 0.5	29	14	141	4.64	10	< 1	0.14	< 10	1.35
390473	94139402	0.70	1.4	0.23	414	< 10	120	0.5	8	3.83	< 0.5	26	232	122	4.65	< 10	1	0.04	< 10	1.73
390474	94139402	0.88	0.2	0.51	14	< 10	30	0.5	< 2	11.75	< 0.5	56	446	< 1	3.94	< 10	< 1	0.05	< 10	7.55
390475	94139402	1.04	< 0.2	0.85	4	< 10	30	0.5	6	0.99	< 0.5	11	35	22	0.83	< 10	< 1	0.02	< 10	0.36
390476	94139402	0.50	< 0.2	1.83	< 2	< 10	280	1.0	< 2	0.26	< 0.5	11	84	26	3.25	< 10	< 1	1.21	10	0.69
390477	94139402	1.70	< 0.2	1.42	14	< 10	40	< 0.5	< 2	0.48	< 0.5	7	80	12	1.83	< 10	< 1	0.09	10	0.56
390478	94139402	0.50	< 0.2	0.07	< 2	< 10	80	1.0	< 2	0.67	< 0.5	59	556	< 1	3.39	< 10	< 1	< 0.01	< 10	>15.00
390479	94139402	0.42	< 0.2	0.12	< 2	< 10	10	< 0.5	< 2	0.05	< 0.5	1	144	< 1	0.30	< 10	< 1	0.01	< 10	0.14
390480	94139402	0.20	0.2	0.04	6	< 10	260	1.0	< 2	9.11	< 0.5	21	184	< 1	1.24	< 10	< 1	< 0.01	< 10	11.95
390481 (2) LMK	94139402	0.60	< 0.2	3.42	< 2	< 10	70	1.0	< 2	2.33	< 0.5	32	189	6	7.13	< 10	< 1	0.04	< 10	3.47
390481 (3)	94139402	0.80	< 0.2	0.72	< 2	< 10	50	0.5	< 2	0.86	< 0.5	8	71	12	1.23	< 10	< 1	0.08	< 10	0.67
390481 (4)	94139402	0.56	0.6	0.25	2	< 10	70	< 0.5	4	0.02	< 0.5	2	89	10	0.27	< 10	< 1	0.06	< 10	0.04
390481 (5)	94139402	0.76	0.6	0.18	6	< 10	80	< 0.5	2	0.01	< 0.5	< 1	95	1	0.34	< 10	2	0.02	< 10	0.01
390481 NO.8	94139402	1.52	1.4	0.15	12	< 10	90	< 0.5	< 2	< 0.01	< 0.5	2	93	9	1.50	< 10	1	0.08	< 10	< 0.01
390482	94139402	0.68	< 0.2	0.90	2	< 10	60	0.5	< 2	0.99	< 0.5	12	41	115	1.41	< 10	< 1	0.07	< 10	0.64
390483	94139402	0.20	6.8	0.05	128	< 10	< 10	< 0.5	< 2	< 0.01	< 0.5	7	80	34	11.60	< 10	4	0.05	< 10	0.01
390484	94139402	0.26	>100.0	0.04	6	< 10	10	< 0.5	< 2	< 0.01	< 0.5	< 1	91	1	0.32	< 10	1	< 0.01	< 10	< 0.01
390485	94139402	2.48	1.4	0.11	8	< 10	< 10	< 0.5	< 2	0.12	< 0.5	44	774	9	2.62	< 10	< 1	< 0.01	< 10	6.87

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ALS Chemex

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HEARTY, STELLA

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CERTIFICATE OF ANALYSIS

A0123460

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
390455	94139402	30	1 < 0.01		3	20	48	0.03	< 2	< 1	1 < 0.01	< 10	< 10	2	< 10		8
390456	94139402	50	< 1 < 0.01		5	160	< 2 < 0.01		< 2	< 1	< 1 < 0.01	< 10	< 10	5	< 10		12
390457	94139402	50	< 1 < 0.01		7	40	< 2 < 0.01		8	1	10 < 0.01	< 10	< 10	19	< 10		6
390458	94139402	115	1 < 0.06		21	190	< 2 < 0.01		< 2	3	9 < 0.01	< 10	< 10	135	< 10		6
390459	94139402	15	< 1 < 0.01		5	< 10	< 2 < 0.01		< 2	< 1	< 1 < 0.01	< 10	< 10	3	< 10		< 2
390460	94139402	250	< 1 < 0.05		26	370	< 2 < 0.01		< 2	8	12	0.15	< 10	< 10	58	< 10	28
390461	94139402	635	3 < 0.18		37	120	< 2 < 0.01		< 2	12	329 < 0.01	< 10	< 10	173	< 10		24
390462	94139402	160	< 1 < 0.01		67	60	< 2 < 0.01		< 2	3	1 < 0.01	< 10	< 10	18	< 10		8
390463	94139402	1535	4 < 0.01		5	1560	8 < 0.09		< 2	1	1480 < 0.01	< 10	< 10	7	< 10		< 2
390464	94139402	35	< 1 < 0.01		390	20	< 2 < 0.01		2	< 1	7 < 0.01	< 10	< 10	2	< 10		6
390465	94139402	375	1 < 0.01		3	650	10 < 0.03		< 2	1	173 < 0.01	< 10	< 10	9	< 10		6
390466	94139402	680	2 < 0.03		4	400	< 2 < 0.01		< 2	3	49 < 0.04	< 10	< 10	25	< 10		42
390467	94139402	40	4 < 0.01		1	1030	< 2 < 0.08		6	< 1	148 < 0.01	< 10	< 10	< 1	< 10		< 2
390468	94139402	70	< 1 < 0.01		6	110	12 < 0.01		< 2	< 1	1 < 0.01	< 10	< 10	5	< 10		52
390469	94139402	80	< 1 < 0.01		225	110	< 2 < 0.14		8	< 1	14 < 0.01	< 10	< 10	1	< 10		6
390470	94139402	100	< 1 < 0.03		3	10	12 < 0.01		< 2	< 1	< 1 < 0.01	< 10	< 10	1	< 10		10
390471	94139402	755	1 < 0.01		799	450	< 2 < 0.07		4	7	302 < 0.01	< 10	< 10	10	17	< 10	30
390472	94139402	585	1 < 0.22		6	1110	< 2 < 0.10		< 2	15	157 < 0.08	< 10	< 10	156	< 10		40
390473	94139402	1025	2 < 0.01		380	660	38 < 0.56		6	5	80 < 0.01	< 10	< 10	35	< 10		110
390474	94139402	770	2 < 0.01		1040	570	< 2 < 0.02		< 2	10	328 < 0.01	< 10	< 10	42	< 10		84
390475	94139402	195	< 1 < 0.12		21	550	< 2 < 0.01		6	4	16 < 0.14	< 10	< 10	31	< 10		10
390476	94139402	685	< 1 < 0.02		37	530	2 < 0.01		< 2	8	6 < 0.14	< 10	< 10	83	< 10		94
390477	94139402	415	< 1 < 0.01		14	330	2 < 0.01		< 2	1	14 < 0.01	< 10	< 10	13	< 10		36
390478	94139402	645	1 < 0.01		1135	70	2 < 0.01		2	6	38 < 0.01	< 10	< 10	14	< 10		14
390479	94139402	30	< 1 < 0.01		8	10	< 2 < 0.01		< 2	< 1	7 < 0.01	< 10	< 10	1	< 10		2
390480	94139402	710	1 < 0.01		449	360	4 < 0.01		< 2	3	952 < 0.01	< 10	< 10	6	< 10		< 2
390481 (2) LMK	94139402	1445	1 < 0.01		53	390	< 2 < 0.11		< 2	33	22 < 0.01	< 10	< 10	231	< 10		72
390481 (3)	94139402	245	< 1 < 0.08		18	430	< 2 < 0.01		2	9	12 < 0.20	< 10	< 10	51	< 10		12
390481 (4)	94139402	30	< 1 < 0.01		5	40	2 < 0.03		6	< 1	7 < 0.01	< 10	< 10	6	< 10		6
390481 (5)	94139402	20	< 1 < 0.01		3	20	4 < 0.01		4	< 1	5 < 0.01	< 10	< 10	6	< 10		2
390481 NO. 8	94139402	35	< 1 < 0.01		5	60	6 < 1.36		8	< 1	12 < 0.01	< 10	< 10	6	< 10		6
390482	94139402	235	< 1 < 0.14		23	530	< 2 < 0.07		< 2	9	19 < 0.15	< 10	< 10	51	< 10		14
390483	94139402	5	< 1 < 0.01		19	100	30 > 10.00		70	< 1	11 < 0.01	< 10	< 10	6	30		4
390484	94139402	5	< 1 < 0.01		3	< 10	2 < 0.05		182	< 1	2 < 0.01	< 10	< 10	< 1	< 10		< 2
390485	94139402	300	< 1 < 0.01		942	30	< 2 < 0.03		< 2	3	1 < 0.01	< 10	< 10	17	< 10		14

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HEARTY, STELLA

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Project
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CERTIFICATE OF ANALYSIS A0123526

SAMPLE	PREP CODE	Weight Au ppb		Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La
		Kg	FA+AA	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
390426	94069407	0.62	< 5	< 0.2	1.84	8	< 10	200	0.5	< 2	0.44	< 0.5	26	161	40	3.51	< 10	< 1	0.20	< 10
390427	94069407	0.44	not/ss	< 0.2	1.56	4	< 10	170	< 0.5	< 2	0.46	< 0.5	22	179	24	3.13	< 10	< 1	0.20	< 10
390428	94069407	0.48	< 10	< 0.2	1.37	2	< 10	150	< 0.5	< 2	0.46	< 0.5	18	222	21	3.08	< 10	< 1	0.17	< 10
390429	94069407	0.40	< 10	< 0.2	1.52	2	< 10	150	< 0.5	< 2	0.41	< 0.5	21	160	21	2.96	< 10	< 1	0.18	< 10
390430	94069407	0.36	not/ss	< 0.2	3.06	2	< 10	540	0.5	< 2	0.76	< 0.5	13	94	46	3.29	10	< 1	0.48	< 10

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HEARTY, STELLA

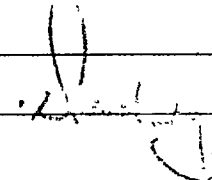
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SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
390426	94069407	2.75	600	1	0.01	336	580	4	0.02	< 2	6	25	0.08	< 10	< 10	69	< 10	76
390427	94069407	2.66	475	2	0.02	302	620	2	0.03	< 2	6	25	0.07	< 10	< 10	65	< 10	62
390428	94069407	2.33	380	1	0.01	266	580	< 2	0.03	< 2	5	23	0.07	< 10	< 10	70	< 10	52
390429	94069407	2.59	460	1	0.01	301	570	< 2	0.03	2	5	19	0.08	< 10	< 10	61	< 10	56
390430	94069407	1.54	580	5	0.02	70	720	< 2	0.03	2	7	48	0.12	< 10	< 10	110	< 10	86

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HEARTY, STELLA

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SAMPLE	PREP CODE	Weight Au ppb fusion		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	
		Kg	FA+AA wt. gm	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)
390288	94139400	0.10	< 5	27.47	< 0.5	5.16	20	1000	1.5	< 2	2.1	0.5	43	5460	24	8.02	1.11	2.35	2010	1
390290	94139400	0.10	< 5	29.87	< 0.5	6.96	15	1710	1.5	< 2	1.75	0.5	32	537	45	4.92	1.72	2.61	980	4
390311	94139400	0.06	3560	15.02	< 0.5	5.63	20	720	0.5	< 2	0.84	1.0	22	2420	15	5.03	1.65	1.27	720	3
390312	94139400	0.04	< 10	5.02	< 0.5	6.54	35	820	1.5	< 2	0.86	1.5	28	2300	17	5.24	1.62	2.01	660	3
390313	94139400	0.04	140	5.02	< 0.5	6.92	20	830	1.5	< 2	0.83	1.0	21	1400	14	4.70	1.68	1.78	585	4
390314	94139400	0.04	70	10.03	< 0.5	4.11	55	420	1.5	< 2	0.81	2.0	102	>10000	51	19.03	0.73	2.82	1960	7
390316	94139400	0.04	35	5.01	< 0.5	4.12	35	470	1.5	< 2	0.86	2.0	123	>10000	37	18.53	0.86	2.56	2000	6
390317	94139400	0.06	< 5	15.04	< 0.5	4.79	20	650	1.0	< 2	1.15	1.5	57	9060	15	8.25	1.20	2.54	1025	5
390318	94139400	0.06	290	15.88	< 0.5	6.49	30	680	1.5	< 2	0.73	1.5	19	986	17	4.40	1.59	1.70	590	4
390320	94139400	0.04	80	5.04	< 0.5	6.54	15	750	1.5	< 2	1.10	0.5	24	1370	40	5.89	1.84	1.44	995	1
390321	94139400	0.04	< 5	5.02	< 0.5	5.54	15	780	1.5	< 2	1.10	< 0.5	22	970	34	5.22	1.33	1.28	2390	< 1
390323	94139400	0.02	< 10	5.03	< 0.5	5.02	20	710	1.0	< 2	1.30	< 0.5	19	1080	29	5.33	1.17	1.15	2980	1
390324	94139400	0.04	< 5	10.05	< 0.5	5.97	30	810	1.5	< 2	1.95	0.5	23	808	32	6.10	1.28	1.63	3690	2
390325	94139400	0.04	< 10	5.01	< 0.5	5.73	30	840	1.5	< 2	1.60	< 0.5	22	649	30	4.92	1.38	1.51	1660	2
390326	94139400	0.04	760	5.02	< 0.5	3.20	35	490	1.5	< 2	1.45	0.5	61	3810	21	6.65	0.79	8.07	1200	< 1
390328	94139400	0.02	< 10	5.01	< 0.5	6.67	25	890	4.0	< 2	1.30	0.5	21	1220	32	5.52	2.16	1.23	1735	2
390329	94139400	0.04	15	5.04	< 0.5	4.39	25	590	1.5	< 2	1.60	0.5	82	9270	40	11.85	0.93	4.03	2530	< 1
390332	94139400	0.02	< 10	5.02	< 0.5	5.29	30	750	1.5	< 2	1.30	0.5	34	2280	30	6.06	1.42	3.06	1485	2
390333	94139400	0.04	< 10	5.01	< 0.5	5.37	5	690	0.5	< 2	1.50	0.5	26	1960	20	5.14	1.32	2.72	895	1
390334	94139400	0.02	not/ss	not/ss	< 0.5	4.68	15	810	0.5	< 2	2.2	0.5	53	8080	31	13.28	0.70	3.63	2280	1
390335	94139400	0.02	not/ss	not/ss	< 0.5	4.03	15	490	1.0	< 2	1.85	0.5	67	>10000	24	17.30	0.68	2.29	2910	3
390404	94139400	0.16	< 5	31.17	< 0.5	4.93	15	400	0.5	< 2	2.7	< 0.5	35	809	28	6.17	0.76	3.78	1120	2

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HEARTY, STELLA

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 WATSON LAKE, YT
 Y0A 1C0

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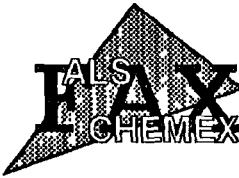
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CERTIFICATE OF ANALYSIS

A0123527

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390288	94139400	0.80	396	520	20	0.01	< 5	112	0.39	206	150	164
390290	94139400	1.12	224	730	22	0.01	5	145	0.45	150	< 10	116
390311	94139400	0.94	209	300	16	0.01	10	108	0.26	124	< 10	126
390312	94139400	0.71	269	400	14	0.01	5	127	0.35	123	< 10	128
390313	94139400	0.77	181	410	26	0.01	10	123	0.39	119	< 10	120
390314	94139400	0.29	1170	460	26	0.07	5	64	0.77	390	190	498
390316	94139400	0.31	1490	480	26	0.08	< 5	80	0.72	335	280	538
390317	94139400	0.53	671	370	12	0.01	5	114	0.33	180	10	250
390318	94139400	0.70	171	400	8	0.01	< 5	116	0.30	110	< 10	130
390320	94139400	0.54	131	560	18	0.06	10	89	0.55	154	10	172
390321	94139400	0.52	107	640	12	0.01	< 5	116	0.46	132	480	108
390323	94139400	0.54	101	620	10	0.01	10	127	0.39	132	1350	100
390324	94139400	0.61	111	770	20	0.01	< 5	135	0.49	162	480	118
390325	94139400	0.64	98	720	14	0.01	5	133	0.46	145	100	108
390326	94139400	0.30	942	330	20	0.01	< 5	61	0.24	130	50	126
390328	94139400	0.47	103	590	90	0.05	5	91	0.46	153	4160	150
390329	94139400	0.44	897	570	18	0.04	5	93	0.43	254	1330	232
390332	94139400	0.49	356	560	16	0.03	5	91	0.43	148	120	122
390333	94139400	0.98	294	430	8	0.01	< 5	84	0.46	139	110	82
390334	94139400	0.61	630	490	28	0.02	5	80	0.84	463	30	196
390335	94139400	0.56	866	490	16	0.02	< 5	62	1.26	505	90	218
390404	94139400	0.89	268	650	8	0.02	5	99	0.93	194	< 10	84

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To HEARTY, STELLA

BOX 81
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Project
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CERTIFICATE OF ANALYSIS A0123526

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
390426	04060407	2.75	600	1	0.01	136	580	4	0.02	< 2	6	25	0.08	< 10	< 10	69	< 10	76
390427	04060407	2.66	475	2	0.02	302	620	2	0.03	< 2	6	25	0.07	< 10	< 10	65	< 10	62
390428	04060407	2.33	380	1	0.01	266	580	< 2	0.03	< 2	5	23	0.07	< 10	< 10	70	< 10	52
390429	04060407	2.59	460	1	0.01	301	570	< 2	0.03	2	5	19	0.08	< 10	< 10	61	< 10	56
390430	04060407	1.54	580	5	0.02	70	720	< 2	0.03	2	7	48	0.12	< 10	< 10	110	< 10	86

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 212 Brooksbank Ave., North Vancouver
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 PHONE: 604-984-0221 FAX: 604-984-0218

HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

Page 1 of 1
 Total Pages
 Certificate No. 10124026
 Invoice No. 10124026
 P.O. Number
 Account MPR

Project
 Comments: ATTN: STELLA HEARTY

CERTIFICATE OF ANALYSIS

A0124026

SAMPLE	PREP CODE		Ag g/t									
390484	212	--	232									

CERTIFICATION: _____



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HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

Page No. ar
 Total Pages
 Certificate No. : 18-JUL-2001
 Invoice No. : 10119608
 P.O. Number :
 Account : MPR

Project :
 Comments: ATTN: STELLA HEARTY

CERTIFICATE OF ANALYSIS	A0119608
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SAMPLE	PREP CODE	Weight Kg	Ag ppm (ICP)	Al % (ICP)	As ppm (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Ce ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cs ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	Ga ppm (ICP)	Ge ppm (ICP)	HF ppm	In ppm	
HCR1940-01	9400 267		0.24	0.36	0.30	11.2	11.0	< 0.05	0.05	0.11	0.06	0.21	72.2	1220	0.25	63.9	3.53	0.85	0.10	< 0.1	0.005
HCR1940-02	9400 267		2.90	0.46	0.38	54.2	6.5	< 0.05	0.05	0.10	0.04	0.13	89.4	1800	0.05	48.6	4.11	0.65	0.05	< 0.1	0.015

CERTIFICATION:



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HEARTY, STELLA

BOX 81
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 Y0A 1C0

Page 1 of 3
 Total Pages: 3
 Certificate No.: 18-JUL-2001
 Invoice No.: 10119608
 P.O. Number:
 Account: MPR

Project:
 Comments: ATTN: STELLA HEARTY

CERTIFICATE OF ANALYSIS	A0119608
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SAMPLE	PREP CODE		K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm
			(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)
HCR1940-01	9400	267	0.01	< 0.5	1.2	>15.00	2120	1.55	< 0.01	0.8	1030	10	2.0	0.5	0.006	0.01	4.45	< 1	< 0.2	2.2	0.15
HCR1940-02	9400	267	< 0.01	< 0.5	0.2	>15.00	385	1.20	< 0.01	< 0.1	1640	< 10	2.0	0.3	0.004	0.02	5.25	< 1	0.8	1.0	< 0.05

CERTIFICATION: *[Signature]*



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HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

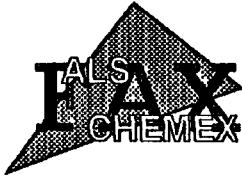
Page N of
 Total Page
 Certificate : 10-JUL-2001
 Invoice No. : 10119608
 P.O. Number :
 Account : MPR

Project :
 Comments: ATTN: STELLA HEARTY

CERTIFICATE OF ANALYSIS	A0119608
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SAMPLE	PREP CODE	Te ppm (ICP)	Th ppm (ICP)	Ti % (ICP)	Tl ppm (ICP)	U ppm (ICP)	V ppm (ICP)	W ppm (ICP)	Y ppm (ICP)	Zn ppm (ICP)	Zr ppm
HCR1940-01	9400 267	< 0.05	0.2	< 0.01	< 0.02	< 0.1	20	2.0	0.2	20	< 0.5
HCR1940-02	9400 267	< 0.05	< 0.2	< 0.01	< 0.02	< 0.1	30	1.1	0.2	32	< 0.5

CERTIFICATION: *[Signature]*



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To: HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

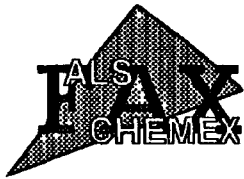
Page Number 1-A
 Total Pages 1
 Certificate Date 18-NOV-01
 Invoice No 10128516
 P O Number
 Account MPR

Project
 Comments ATTN STELLA HEARTY

CERTIFICATE OF ANALYSIS	A0128516
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SAMPLE	PREP CODE	Weight Kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
390337	94069407	0.38	0.2	1.16	64	< 10	80	0.5	< 2	0.30	< 0.5	35	427	30	3.60	< 10	< 1	0.07	< 10	3.45
390338	94069407	0.48	0.2	1.37	58	< 10	100	0.5	< 2	0.41	< 0.5	33	377	35	3.63	< 10	< 1	0.10	10	3.65
390341	94069407	0.60	0.2	1.22	54	< 10	80	0.5	4	0.33	< 0.5	33	480	28	3.67	< 10	1	0.07	< 10	3.22
390343	94069407	0.66	< 0.2	0.65	12	< 10	270	< 0.5	< 2	0.53	< 0.5	7	126	19	1.51	< 10	< 1	0.07	10	0.64

" HEARTY
 CREEK"
 " SAMPLES "



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To: HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

Project:
 Comments ATTN: STELLA HEARTY

Page Number 1-B
 Total Pages 1
 Certificate Date 18-NOV-01
 Invoice No 10128516
 P O Number
 Account MPR

CERTIFICATE OF ANALYSIS A0128516

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
390337	94069407	575	1	0.01	498	520	92	0.03	2	4	15	0.04	< 10	< 10	53	< 10	90
390338	94069407	595	1	0.01	497	690	24	0.05	2	4	24	0.04	< 10	< 10	48	< 10	86
390341	94069407	445	1	0.01	487	510	8	0.03	< 2	4	16	0.03	< 10	< 10	46	< 10	68
390343	94069407	190	< 1	< 0.01	87	700	6	0.07	4	2	27	0.03	< 10	< 10	20	< 10	46

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HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

A0128513

Comments: ATTN: STELLA HEARTY

CERTIFICATE

A0128513

(MPR) - HEARTY, STELLA

Project
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 20-NOV-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
FUL-31	11	Pulv. <250g to >85%/-75 micron
STO-21	11	Reject Storage-First 90 Days
LOG-22	11	Samples received without barcode
CRU-31	11	Crush to 70% minus 2mm
SPL-21	11	Splitting Charge
229	11	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 1 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
WEI-21	11	Weight of received sample	BALANCE	0.01	1000.0
Au-MS23	11	Au ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	1	1000
Pt-MS23	11	Pt ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	0.5	1000
Pd-MS23	11	Pd ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	1	1000
Rh-MS25	11	Rh ppb: 30g Au collection	FA-ICP	1	1000
Ag-ICP41	11	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
Al-ICP41	11	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
As-ICP41	11	As ppm: 32 element, soil & rock	ICP-AES	2	10000
B-ICP41	11	B ppm: 32 element, rock & soil	ICP-AES	10	10000
Ba-ICP41	11	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
Be-ICP41	11	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
Bi-ICP41	11	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
Ca-ICP41	11	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
Cd-ICP41	11	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
Co-ICP41	11	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
Cr-ICP41	11	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
Cu-ICP41	11	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
Fe-ICP41	11	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
Ga-ICP41	11	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
Hg-ICP41	11	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
K-ICP41	11	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
La-ICP41	11	La ppm: 32 element, soil & rock	ICP-AES	10	10000
Mg-ICP41	11	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
Mn-ICP41	11	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
Mo-ICP41	11	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
Na-ICP41	11	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
Ni-ICP41	11	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
P-ICP41	11	P ppm: 32 element, soil & rock	ICP-AES	10	10000
Pb-ICP41	11	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
S-ICP41	11	S %: 32 element, rock & soil	ICP-AES	0.01	10.00
Sb-ICP41	11	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
Sc-ICP41	11	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
Sr-ICP41	11	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
Ti-ICP41	11	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00



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HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

A0128513

Comments: ATTN: STELLA HEARTY

CERTIFICATE **A0128513**

(MPR) - HEARTY, STELLA

Project:
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 20-NOV-2001.

SAMPLE PREPARATION		
METHOD CODE	NUMBER SAMPLES	DESCRIPTION
PUL-31	11	Pulv. <250g to >85/-75 micron
STO-21	11	Reject Storage-First 90 Days
LOG-22	11	Samples received without barcode
CRU-31	11	Crush to 70% minus 2mm
SPL-21	11	Splitting Charge
229	11	ICP - AQ Digestion charge

* NOTE 1.

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Tl, Tl, W.

ANALYTICAL PROCEDURES 2 of 2					
METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Tl-ICP41	11	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
U-ICP41	11	U ppm: 32 element, soil & rock	ICP-AES	10	10000
V-ICP41	11	V ppm: 32 element, soil & rock	ICP-AES	1	10000
W-ICP41	11	W ppm: 32 element, soil & rock	ICP-AES	10	10000
Zn-ICP41	11	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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HEARTY, STELLA

BOX 81
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 Y0A 1C0

INVOICE NUMBER

I 0 1 2 8 5 1 3

BILLING INFORMATION

Date: 20-NOV-2001
 Project:
 P.O. No.:
 Account: MPR

Comments:

Billing: For analysis performed on
 Certificate A0128513

Terms: Payment due on receipt of invoice
 1.25% per month (15% per annum)
 charged on overdue accounts

Please Remit Payments to:

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 Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
11	- PGM-MS23	15.00		
	- ME-ICP41	8.00		
	- PREP-31	6.00		
	WEI-21 - Weight of received sample	0.00		
	Rh-MS25 - Rh ppb: 30g Au collection	14.00	43.00	473.00
Additional charges:				
7	CRU-31 - Crush to 70% -2mm per kg charge	0.20		1.40
7	SPL-21 - Riffle splitting charge per kg	0.05		0.35
Total Cost \$				474.75
(Reg# R100938885) GST \$				33.23
TOTAL PAYABLE (CDN) \$				507.98



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HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

Project :
 Comments ATTN: STELLA HEARTY

Page 1 :
 Total Fee :
 Certificate Date: 19-NOV-2001
 Invoice No. : 10128513
 P.O. Number :
 Account : MPR

CERTIFICATE OF ANALYSIS A0128513

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP-MS	Pt ppb ICP-MS	Pd ppb ICP-MS	Rh ppb	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm
390490	94139402	0.76	1	< 0.5	< 1	< 1	< 0.2	0.60	< 2	< 10	110	< 0.5	< 2	0.40	< 0.5
390491	94139402	0.20	1	< 0.5	< 1	< 1	< 0.2	0.08	< 2	< 10	40	< 0.5	< 2	0.01	< 0.5
390492	94139402	0.96	< 1	4.0	2	< 1	< 0.2	0.06	< 2	< 10	< 10	< 0.5	< 2	0.01	< 0.5
390493	94139402	0.26	1	10.0	4	< 1	< 0.2	0.05	26	< 10	< 10	< 0.5	< 2	0.37	< 0.5
390494	94139402	0.92	4	6.5	6	< 1	0.2	0.06	< 2	20	< 10	< 0.5	< 2	0.01	< 0.5
390495	94139402	1.10	< 1	0.5	< 1	< 1	< 0.2	7.25	< 2	< 10	20	< 0.5	< 2	2.38	< 0.5
390496	94139402	0.32	4	4.0	3	< 1	< 0.2	0.20	8	< 10	< 10	< 0.5	< 2	0.03	< 0.5
390497	94139402	0.40	< 1	< 0.5	< 1	< 1	< 0.2	0.05	< 2	< 10	< 10	< 0.5	< 2	0.01	< 0.5
390498	94139402	0.90	< 1	< 0.5	< 1	< 1	< 0.2	0.03	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 0.5
390499	94139402	0.36	1	5.5	4	< 1	< 0.2	1.59	6	< 10	10	< 0.5	< 2	1.65	< 0.5
390500	94139402	0.08	< 1	0.5	< 1	< 1	< 0.2	7.51	< 2	< 10	10	< 0.5	< 2	2.91	< 0.5

CERTIFICATION: Stella Hearty



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HEARTY, STELLA

BOX 81
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 Y0A 1C0

Project :
 Comments: ATTN: STELLA HEARTY

Page : 1
 Total Pages : 1
 Certificate Date: 19-NOV-2001
 Invoice No. : I0128513
 P.O. Number :
 Account : MPR

CERTIFICATE OF ANALYSIS A0128513

SAMPLE	PREP CODE	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm
390490	94139402	1	58	< 1	0.61	< 10	< 1	0.36	< 10	0.16	155	1	0.03	10	370
390491	94139402	< 1	153	< 1	0.34	< 10	< 1	0.03	< 10	0.01	20	1	< 0.01	6	30
390492	94139402	87	624	< 1	3.91	< 10	< 1	< 0.01	< 10	>15.00	805	< 1	< 0.01	1570	20
390493	94139402	52	1105	2	5.69	10	< 1	< 0.01	< 10	8.49	945	< 1	< 0.01	878	< 10
390494	94139402	70	795	7	3.54	10	< 1	< 0.01	< 10	14.05	735	< 1	< 0.01	1445	10
390495	94139402	37	86	19	5.35	20	< 1	0.01	< 10	3.06	170	2	0.28	38	620
390496	94139402	26	402	< 1	1.62	< 10	< 1	< 0.01	< 10	7.53	175	< 1	< 0.01	534	< 10
390497	94139402	< 1	179	< 1	0.35	< 10	< 1	< 0.01	< 10	0.07	140	1	< 0.01	7	30
390498	94139402	< 1	164	< 1	0.28	< 10	< 1	0.01	< 10	0.08	25	1	< 0.01	8	10
390499	94139402	44	933	5	2.64	10	< 1	< 0.01	< 10	7.48	540	< 1	< 0.01	909	10
390500	94139402	27	92	< 1	4.15	20	< 1	< 0.01	< 10	2.36	110	2	0.40	30	580

CERTIFICATION:

Stella Hearty



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HEARTY, STELLA

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Project :
 Comments: ATTN: STELLA HEARTY

Page :
 Total Pay :
 Certificate Date: 19-NOV-2001
 Invoice No. : I0128513
 P.O. Number :
 Account : MPR

CERTIFICATE OF ANALYSIS A0128513

SAMPLE	PREP CODE	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm			
390490	94139402	6	< 0.01	< 2	1	32	0.07	< 10	< 10	15	< 10	12			
390491	94139402	< 2	0.01	2	< 1	< 1	< 0.01	< 10	< 10	1	< 10	< 2			
390492	94139402	< 2	< 0.01	2	3	< 1	< 0.01	< 10	< 10	6	< 10	12			
390493	94139402	< 2	0.01	2	3	5	< 0.01	< 10	< 10	30	< 10	10			
390494	94139402	< 2	< 0.01	< 2	4	< 1	< 0.01	< 10	< 10	17	< 10	28			
390495	94139402	< 2	< 0.01	16	14	113	0.06	< 10	< 10	187	< 10	10			
390496	94139402	< 2	< 0.01	< 2	3	1	< 0.01	< 10	< 10	12	< 10	6			
390497	94139402	< 2	< 0.01	< 2	< 1	< 1	< 0.01	< 10	< 10	1	< 10	< 2			
390498	94139402	< 2	< 0.01	< 2	< 1	1	< 0.01	< 10	< 10	< 1	< 10	2			
390499	94139402	< 2	< 0.01	2	3	5	< 0.01	< 10	< 10	25	< 10	20			
390500	94139402	< 2	< 0.01	18	6	131	0.07	< 10	< 10	200	< 10	6			

CERTIFICATION:

Stella Hearty



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 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

INVOICE NUMBER	I 0 1 2 8 5 1 7
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BILLING INFORMATION

Date: 19-NOV-2001
 Project:
 P.O. No.:
 Account: MPR

Comments:

Billing: For analysis performed on
 Certificate A0128517

Terms: Payment due on receipt of invoice
 1.25% per month (15% per annum)
 charged on overdue accounts

Please Remit Payments to:

ALS CHEMEX
 212 Brooksbank Ave.,
 North Vancouver, B.C.
 Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
4	235 - Pan con ring to approx 150 mesh LOG-22 - Samples received without barcode - PGM-MS23 - ME-ICP41 WEI-21 - Weight of received sample	7.00 0.75 15.00 8.00 0.00		123.00
Additional charges:				
1	BAT-01 - Batch processing fee	30.00		30.00
				Total Cost \$ 153.00
				(Reg# R100938885) GST \$ 10.71
				TOTAL PAYABLE (CDN) \$ 163.71



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HEARTY, STELLA

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 Y0A 1C0

A0128517

Comments: ATTN: STELLA HEARTY

CERTIFICATE

A0128517

(MPR) - HEARTY, STELLA

Project:
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 19-NOV-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
235	4	Pan con ring to approx 150 mesh
LOG-22	4	Samples received without barcode
229	4	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 1 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
WEI-21	4	Weight of received sample	BALANCE	0.01	1000.0
Au-MS23	4	Au ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	1	1000
Pt-MS23	4	Pt ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	0.5	1000
Pd-MS23	4	Pd ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	1	1000
Ag-ICP41	4	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
Al-ICP41	4	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
As-ICP41	4	As ppm: 32 element, soil & rock	ICP-AES	2	10000
B-ICP41	4	B ppm: 32 element, rock & soil	ICP-AES	10	10000
Ba-ICP41	4	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
Be-ICP41	4	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
Bi-ICP41	4	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
Ca-ICP41	4	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
Cd-ICP41	4	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
Co-ICP41	4	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
Cr-ICP41	4	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
Cu-ICP41	4	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
Fe-ICP41	4	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
Ga-ICP41	4	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
Hg-ICP41	4	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
K-ICP41	4	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
La-ICP41	4	La ppm: 32 element, soil & rock	ICP-AES	10	10000
Mg-ICP41	4	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
Mn-ICP41	4	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
Mo-ICP41	4	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
Na-ICP41	4	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
Ni-ICP41	4	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
P-ICP41	4	P ppm: 32 element, soil & rock	ICP-AES	10	10000
Pb-ICP41	4	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
S-ICP41	4	S %: 32 element, rock & soil	ICP-AES	0.01	10.00
Sb-ICP41	4	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
Sc-ICP41	4	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
Sr-ICP41	4	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
Ti-ICP41	4	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
Tl-ICP41	4	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
U-ICP41	4	U ppm: 32 element, soil & rock	ICP-AES	10	10000
V-ICP41	4	V ppm: 32 element, soil & rock	ICP-AES	1	10000
W-ICP41	4	W ppm: 32 element, soil & rock	ICP-AES	10	10000



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 PHONE: 604-984-0221 FAX: 604-984-0218

HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

A0128517

Comments: ATTN: STELLA HEARTY

CERTIFICATE **A0128517**

(MPR) - HEARTY, STELLA

Project:
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 19-NOV-2001.

SAMPLE PREPARATION		
METHOD CODE	NUMBER SAMPLES	DESCRIPTION
235	4	Pan con ring to approx 150 mesh
LOG-22	4	Samples received without barcode
229	4	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 2 of 2					
METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Zn-ICP41	4	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

Page N or :
 Total P:
 Certificate : 18-NOV-2001
 Invoice No. : I0128517
 P.O. Number :
 Account : MPR

Project :
 Comments: ATTN: STELLA HEARTY

CERTIFICATE OF ANALYSIS A0128517

SAMPLE	PREP CODE	Weight Kg	Au	Pt	Pd	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg
			ppb ICP-MS	ppb ICP-MS	ppb ICP-MS	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm
390336	2359400	0.04	8	6.0	2	< 0.2	0.49	20	< 10	10	0.5	< 2	0.15	< 0.5	67	4380	12	13.30	< 10	< 1
390339	2359400	0.04	7	5.0	2	< 0.2	0.48	26	< 10	20	0.5	6	0.14	< 0.5	66	4510	15	14.45	< 10	< 1
390340	2359400	0.06	4	6.0	1	< 0.2	0.27	16	< 10	10	0.5	< 2	0.10	0.5	72	4670	8	>15.00	< 10	< 1
390342	2359400	0.04	1010	1.0	< 1	< 0.2	0.87	6	< 10	130	0.5	< 2	0.51	< 0.5	7	402	5	2.13	< 10	1

CERTIFICATION: _____ +



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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

HEARTY, STELLA

BOX 81
WATSON LAKE, YT
Y0A 1C0

INVOICE NUMBER

I 0 1 2 8 5 1 5

BILLING INFORMATION

Date: 19-NOV-2001
Project:
P.O. No.:
Account: MPR

Comments:

Billing: For analysis performed on
Certificate A0128515

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

ALS CHEMEX
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
2	- PGM-MS23	15.00		
	- ME-ICP41	8.00		
	- PREP-31	6.00		
	WEI-21 - Weight of received sample	0.00	29.00	58.00
Additional charges:				
3	CRU-31 - Crush to 70% -2mm per kg charge	0.20		0.60
3	SPL-21 - Riffle splitting charge per kg	0.05		0.15
				Total Cost \$ 58.75
(Reg# R100938885)				GST \$ 4.11
TOTAL PAYABLE (CDN) \$				62.86



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HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

A0128515

Comments: ATTN: STELLA HEARTY

CERTIFICATE

A0128515

(MPR) - HEARTY, STELLA

Project:
 P.O #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 19-NOV-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
PUL-31	2	Pulv. <250g to >85%/-75 micron
STO-21	2	Reject Storage-First 90 Days
LOG-22	2	Samples received without barcode
CRU-31	2	Crush to 70% minus 2mm
SPL-21	2	Splitting Charge
229	2	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 1 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
WEI-21	2	Weight of received sample	BALANCE	0.01	1000.0
Au-MS23	2	Au ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	1	1000
Pt-MS23	2	Pt ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	0.5	1000
Pd-MS23	2	Pd ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	1	1000
Ag-ICP41	2	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
Al-ICP41	2	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
As-ICP41	2	As ppm: 32 element, soil & rock	ICP-AES	2	10000
B-ICP41	2	B ppm: 32 element, rock & soil	ICP-AES	10	10000
Ba-ICP41	2	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
Be-ICP41	2	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
Bi-ICP41	2	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
Ca-ICP41	2	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
Cd-ICP41	2	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
Co-ICP41	2	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
Cr-ICP41	2	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
Cu-ICP41	2	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
Fe-ICP41	2	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
Ga-ICP41	2	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
Hg-ICP41	2	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
K-ICP41	2	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
La-ICP41	2	La ppm: 32 element, soil & rock	ICP-AES	10	10000
Mg-ICP41	2	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
Mn-ICP41	2	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
Mo-ICP41	2	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
Na-ICP41	2	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
Ni-ICP41	2	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
P-ICP41	2	P ppm: 32 element, soil & rock	ICP-AES	10	10000
Pb-ICP41	2	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
S-ICP41	2	S %: 32 element, rock & soil	ICP-AES	0.01	10.00
Sb-ICP41	2	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
Sc-ICP41	2	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
Sr-ICP41	2	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
Ti-ICP41	2	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
Tl-ICP41	2	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000



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HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

A0128515

Comments: ATTN: STELLA HEARTY

CERTIFICATE

A0128515

(MPR) - HEARTY, STELLA

Project:
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 19-NOV-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
PUL-31	2	Pulv. <250g to >85%/-75 micron
STO-21	2	Reject Storage-First 90 Days
LOG-22	2	Samples received without barcode
CRU-31	2	Crush to 70% minus 2mm
SPL-21	2	Splitting Charge
229	2	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 2 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
U-ICP41	2	U ppm: 32 element, soil & rock	ICP-AES	10	10000
V-ICP41	2	V ppm: 32 element, soil & rock	ICP-AES	1	10000
W-ICP41	2	W ppm: 32 element, soil & rock	ICP-AES	10	10000
Zn-ICP41	2	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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HEARTY, STELLA

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Page No. [redacted]
 Total Pa. [redacted]
 Certificate Date: 19-NOV-2001
 Invoice No. : I0128515
 P.O. Number :
 Account : MPR

Project :
 Comments: ATTN: STELLA HEARTY

CERTIFICATE OF ANALYSIS A0128515

SAMPLE	PREP CODE	Weight	Au	Pt	Pd	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg
		Rg	ICP-MS	ICP-MS	ICP-MS	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
390531	94139402	1.16	7	2.0	< 1	< 0.2	2.63	6	< 10	900	2.5	< 2	0.20	< 0.5	26	131	21	3.86	< 10	< 1
390532	94139402	0.98	< 1	< 0.5	< 1	< 0.2	0.79	< 2	< 10	30	< 0.5	< 2	3.59	< 0.5	3	73	6	1.41	< 10	2

CERTIFICATION: _____



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HEARTY, STELLA
 BOX 81
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 Y0A 1C0

Page N
 Total P
 Certificate Date: 19-NOV-2001
 Invoice No. : I0128515
 P.O. Number :
 Account : MPR

Project :
 Comments: ATTN: STELLA HEARTY

CERTIFICATE OF ANALYSIS	A0128515
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SAMPLE	PREP CODE	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
390531	94139402	1.43	10	1.18	370	< 1	0.05	41	760	8	0.13	< 2	15	3	0.26	< 10	< 10	89	< 10	16
390532	94139402	0.13	20	0.47	695	< 1	0.03	4	140	< 2	< 0.01	< 2	3	56	< 0.01	< 10	< 10	11	< 10	20

CERTIFICATION: _____



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 PHONE: 604-984-0221

HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0



INVOICE NUMBER	I 0 1 2 8 5 1 4
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BILLING INFORMATION	
Date:	19-NOV-2001
Project:	
P.O. No.:	
Account:	MPR
Comments:	
Billing:	For analysis performed on Certificate A0128514
Terms:	Payment due on receipt of invoice 1.25% per month (15% per annum) charged on overdue accounts
Please Remit Payments to:	
	ALS CHEMEX 212 Brooksbank Ave., North Vancouver, B.C. Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
13	- PGM-MS23	15.00		
	- ME-ICP41	8.00		
	- PREP-31	6.00		
	WEI-21 - Weight of received sample	0.00	29.00	377.00
Additional charges:				
12	CRU-31 - Crush to 70% -2mm per kg charge	0.20		2.40
12	SPL-21 - Riffle splitting charge per kg	0.05		0.60
				Total Cost \$ 380.00
				(Reg# R100938885) GST \$ 26.60
				TOTAL PAYABLE (CDN) \$ 406.60



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 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

A0128514

Comments: ATTN: STELLA HEARTY

CERTIFICATE

A0128514

(MPR) - HEARTY, STELLA

Project:
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 19-NOV-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
FUL-31	13	Pulv. <250g to >85%/-75 micron
STO-21	13	Reject Storage-First 90 Days
LOG-22	13	Samples received without barcode
CRU-31	13	Crush to 70% minus 2mm
SPL-21	13	Splitting Charge
229	13	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 1 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
WEI-21	13	Weight of received sample	BALANCE	0.01	1000.0
Au-MS23	13	Au ppb: Fuse 30g - ICFMS Finish	FA-ICFMS	1	1000
Pt-MS23	13	Pt ppb: Fuse 30g - ICFMS Finish	FA-ICFMS	0.5	1000
Pd-MS23	13	Pd ppb: Fuse 30g - ICFMS Finish	FA-ICFMS	1	1000
Ag-ICP41	13	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
Al-ICP41	13	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
As-ICP41	13	As ppm: 32 element, soil & rock	ICP-AES	2	10000
B-ICP41	13	B ppm: 32 element, rock & soil	ICP-AES	10	10000
Ba-ICP41	13	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
Be-ICP41	13	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
Bi-ICP41	13	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
Ca-ICP41	13	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
Cd-ICP41	13	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
Co-ICP41	13	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
Cr-ICP41	13	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
Cu-ICP41	13	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
Fe-ICP41	13	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
Ga-ICP41	13	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
Hg-ICP41	13	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
K-ICP41	13	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
La-ICP41	13	La ppm: 32 element, soil & rock	ICP-AES	10	10000
Mg-ICP41	13	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
Mn-ICP41	13	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
Mo-ICP41	13	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
Na-ICP41	13	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
Ni-ICP41	13	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
P-ICP41	13	P ppm: 32 element, soil & rock	ICP-AES	10	10000
Pb-ICP41	13	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
S-ICP41	13	S %: 32 element, rock & soil	ICP-AES	0.01	10.00
Sb-ICP41	13	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
Sc-ICP41	13	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
Sr-ICP41	13	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
Ti-ICP41	13	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
Tl-ICP41	13	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000



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 PHONE: 604-984-0221 FAX: 604-984-0218

HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

A0128514

Comments: ATTN: STELLA HEARTY

CERTIFICATE **A0128514**

(MPR) - HEARTY, STELLA

Project.
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 19-NOV-2001.

SAMPLE PREPARATION		
METHOD CODE	NUMBER SAMPLES	DESCRIPTION
PUL-31	13	Pulv. <250g to >85%/-75 micron
STO-21	13	Reject Storage-First 90 Days
LOG-22	13	Samples received without barcode
CRU-31	13	Crush to 70% minus 2mm
SPL-21	13	Splitting Charge
229	13	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 2 of 2					
METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
U-ICP41	13	U ppm: 32 element, soil & rock	ICP-AES	10	10000
V-ICP41	13	V ppm: 32 element, soil & rock	ICP-AES	1	10000
W-ICP41	13	W ppm: 32 element, soil & rock	ICP-AES	10	10000
Zn-ICP41	13	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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HEARTY, STELLA

BOX 81
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Page No: 1
 Total P: 1
 Certificate Date: 19-NOV-2001
 Invoice No.: 10128514
 P.O. Number:
 Account: MPR

Project:
 Comments: ATTN: STELLA HEARTY

CERTIFICATE OF ANALYSIS A0128514

SAMPLE	PREP CODE	Weight Kg	Au ppb ICP-MS	Pt ppb ICP-MS	Pd ppb ICP-MS	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm
390527	94139402	1.74	300	3.0	< 1	5.6	0.12	98	< 10	< 10	< 0.5	< 2	< 0.01	< 0.5	8	122	17	9.74	< 10	4
390528	94139402	0.44	4	8.0	6	1.0	0.11	6	< 10	< 10	< 0.5	< 2	0.13	< 0.5	38	916	13	2.82	< 10	< 1
390529	94139402	0.40	11	3.5	1	< 0.2	0.66	62	< 10	< 10	< 0.5	2	0.18	< 0.5	25	860	5	0.75	< 10	2
390530	94139402	0.74	1	< 0.5	< 1	< 0.2	0.88	2	< 10	40	0.5	2	0.93	< 0.5	8	58	65	1.52	< 10	1
390431	94139402	0.46	1	6.0	8	0.8	0.07	26	10	< 10	< 0.5	< 2	0.03	< 0.5	59	793	3	3.10	< 10	< 1
390432	94139402	0.22	3	< 0.5	< 1	< 0.2	0.15	< 2	< 10	< 10	< 0.5	< 2	0.01	< 0.5	1	207	11	0.59	< 10	< 1
390433	94139402	0.70	1	< 0.5	< 1	< 0.2	0.14	< 2	< 10	< 10	< 0.5	2	0.01	< 0.5	1	187	8	0.58	< 10	< 1
390434	94139402	0.32	1	< 0.5	< 1	< 0.2	2.10	< 2	< 10	< 10	< 0.5	2	0.24	< 0.5	9	132	21	3.33	< 10	< 1
390435	94139402	0.34	1	< 0.5	< 1	0.2	4.51	< 2	< 10	< 10	1.0	8	1.66	< 0.5	10	121	18	3.32	< 10	1
390486	94139402	2.50	3	< 0.5	< 1	< 0.2	6.41	< 2	< 10	20	< 0.5	2	3.26	< 0.5	20	32	116	4.50	< 10	1
390487	94139402	1.90	1	5.5	4	1.0	0.09	4	10	< 10	< 0.5	< 2	0.07	< 0.5	72	848	7	3.29	< 10	< 1
390488	94139402	0.58	4	4.5	3	0.8	0.12	2	< 10	< 10	< 0.5	< 2	0.06	< 0.5	58	592	8	2.23	< 10	2
390489	94139402	1.02	9	10.0	7	1.4	0.08	906	< 10	< 10	< 0.5	< 2	0.20	< 0.5	106	337	22	4.75	< 10	< 1

CERTIFICATION: _____



ALS Chemex

Aurora Laboratory Services Ltd
 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

HEARTY, STELLA

BOX 81
 WATSON LAKE, YT
 Y0A 1C0

Page No
 Total Pa
 Certificate Date : 9-NOV-2001
 Invoice No. : I0128514
 P.O. Number :
 Account : MPR

Project :
 Comments : ATTN: STELLA HEARTY

CERTIFICATE OF ANALYSIS A0128514

SAMPLE	PREP CODE	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
390527	94139402	0.07	< 10	0.07	5	12	< 0.01	36	70	2	9.80	70	< 1	4	< 0.01	< 10	< 10	9	10	2
390528	94139402	< 0.01	< 10	6.95	170	< 1	< 0.01	821	10	32	< 0.01	2	3	2	< 0.01	< 10	< 10	20	< 10	16
390529	94139402	< 0.01	< 10	1.84	150	< 1	< 0.01	666	< 10	< 2	0.01	6	< 1	< 1	< 0.01	< 10	< 10	13	< 10	20
390530	94139402	0.06	< 10	0.73	240	< 1	0.14	20	420	< 2	0.02	< 2	8	12	0.15	< 10	< 10	45	< 10	18
390431	94139402	< 0.01	< 10	9.77	560	< 1	< 0.01	975	< 10	6	0.03	2	4	1	< 0.01	< 10	< 10	15	< 10	14
390432	94139402	< 0.01	< 10	0.06	30	< 1	< 0.01	8	50	< 2	< 0.01	< 2	< 1	4	< 0.01	< 10	< 10	3	< 10	6
390433	94139402	< 0.01	< 10	0.13	40	< 1	< 0.01	13	70	6	< 0.01	6	< 1	4	< 0.01	< 10	< 10	4	< 10	10
390434	94139402	0.02	10	0.95	380	< 1	0.07	19	470	6	0.11	2	5	23	0.03	< 10	< 10	38	< 10	64
390435	94139402	0.01	10	1.03	475	< 1	0.16	31	560	14	0.18	4	6	141	0.04	< 10	< 10	46	< 10	70
390486	94139402	0.02	< 10	1.27	310	< 1	0.62	23	40	< 2	0.01	< 2	11	72	0.04	< 10	< 10	527	< 10	24
390487	94139402	< 0.01	< 10	13.65	535	< 1	< 0.01	1500	< 10	< 2	0.01	< 2	3	1	< 0.01	< 10	< 10	18	< 10	22
390488	94139402	< 0.01	< 10	11.15	505	< 1	< 0.01	1310	< 10	< 2	0.01	2	2	3	< 0.01	< 10	< 10	13	< 10	20
390489	94139402	< 0.01	< 10	>15.00	1065	1	< 0.01	1780	20	< 2	< 0.01	10	8	5	< 0.01	< 10	< 10	8	< 10	52

CERTIFICATION: _____



ANALYSIS

OF

PROSPECTING RESULTS

ANALYSIS OF PROSPECTING RESULTS

Overall there were four main gem and metals that were prospected for. The main gem being nephrite jade. Metals are gold, silver, nickel and copper. Two other minerals were prospected for as well in the region and they were talc and soapstone.

We found that the nephrite jade came from northwesterly direction adjoining our prospecting sector. There were no large deposits of this gem although we did find small boulders of jade but the quality of the jade was on the lower detection of the grade scale. We found an area that contained a large amount of soapstone/soft serpentine. It was in a loose rock slide area. One would have to trench to bedrock to obtain positive results if it is in place. Prospecting further in this area may give more evidence to the location of the main body of the nephrite jade.

Following along these north northwesterly ridges are three quartzite veins that were well exposed to the elements. They were pure milk white - no metals exposed and showing to the eye within the quartz samples checked. Each of these veins sheered off at the edge of the steep ridges, this gave excellent exposure of the depth of one of them. One of these veins which flows in a north southerly direction has a fracture opening approximately twelve feet across and is approximately eight hundred metres long. The depth of the fracture is approximately three metres. These veins are approximately three metres across and range from one metre in depth and more. Large sections of the quartz from all three exposures had fallen down the slopes of the ridges.

A large area of Slate was noted in this general area. It covered an area of approximately one hundred square metres and runs in the same general direction as the fractured quartz vein and seems to be adjoined to the quartz vein in one sector.

The large ridge (north of one of our camps which was located at the source of the waters for Hearty Creek), on the north side of Hearty Creek approximately a quarter of a kilometre, running in a westerly direction proved to be highly magnetic. Outcrops of bedrock along the north side of the slope were easily accessible and samples were taken. In this area we travelled down to the creek we call Firefly Creek and took samples of the exposed bedrock there. Scorodite covered an area of outcrop in this area. Some core samples should be taken to identify the components underneath the scorodite covering. We returned to the top of the ridge and worked our way over the next few days to the west end of the ridge where it fall down to the valley toward Monique Creek. Samples were taken at intervals along these ridges of outcrops and floats. Sample numbers have been listed on the map attached to this report. The magnetic mineralization is quite large in this area and further prospecting and mapping should be done to confirm the actual size and direction in which it may be travelling.

Scorodite mineralization in Area "B" of the prospecting project covers a major area on both sides of Hearty Creek. This mineralization is located at the 4000 foot level and continues up and past the 4500 foot level. It is of emmence interest to me due to the fact that it is known to be a cover for mineral bodies. Samples of the outcrops, heavy mineral samples and soil sediments were taken along this creek. Assays were done on most of the samples taken and they are attached also to this report.

Area "D" proved to be a large area of soapstone/talc. There is only one small area of pure talc and it does not seem to be a feasible project at the moment to continue with. The outside area of talc and soapstone that is not of the purest form should be further prospected and more assay work done to verify whether it may contain any dangerous fibres such as asbestos.

Located just south of Area "C" between the headwaters of Eugene Creek and Deep Creek in an area of approximately three hundred square metres of tuff. It is well exposed to the elements. Granite boulders can be found in great abundance in Eugene Creek along with small jade boulders, quartz and chalcopyrite sections and serpentine boulders.

Just east of this exposure and on the East side of Deep Creek is are exposures of Basalt.

I prospected the area north of locator 6483 Area "C". I travelled around the base of the peak and over Monique Creek, then up Joseph Creek to the headwaters of Kastrukoff Creek. I prospected this area and took soil sediment/heavy mineral samples and outcrop samples. One of the most interesting things that I found in this general area was a small sample of uverivite crystals. This holds my attention and I will be returning to that area to do more prospecting to try to discover the actual location of the source of these crystals.

The southern section of Kastrukoff Creek proved to hold a good sampling of nephrite jade, serpentine, and soapstone boulders. Along with these were some boulders that contained a large quantity of garnets. The boulders range in size from fifty kilograms to five tonnes. The garnets are very close together and range in colour from pale red to deep red. There are very few clear garnets. Most are smaller than the size of a wooden match head. Samples were taken of these garnets.

Kettle Creek which flows into Hasselberg Lake midway down the western shore was sampled for heavy minerals and soil sediments. The gold potential in this area came in with the following assay amounts: close to the lake 3560 ppb, then up the creek in the following amounts: 760ppb, 140 ppb and thereafter under 100ppb. This area will be reprospected to a greater extent next season to see if a larger concentration of the metal can be located. Of interest large concentrations of chromium were showing on the assays done on this creek. There are three assays within two thousand metres of each other that read greater than 10,000 ppm. I feel that this area should be grid tested for future references. The main area in which the gold concentrations were found are areas covered by fine to coarse gravels and small rocks. Glacial deposits??


The areas prospected showed the expected mineralogy overall. The large deposit of talc, soapstone, and magnetite in Area "C" should be further

prospected and drilled to verify the mineralization located beneath the surface. Results of minimal platinum have shown up on the assays received. (10 ppb being the largest). Silver, nickel, copper, arsenic, and gold showed up at various levels on all samples assayed. One of the higher concentrations of silver came from the Hearty Creek location. It was assayed at 232g/t. Future prospecting of this area is highly advised. This area has not been prospected to its full potential. Sedimentary rock, shale, slate, talc, quartzite, serpentine, jade, soapstone, basalt and tuff make an appearance in more than one area in the prospected areas.

The areas that I had chosen for prospecting came up with points of high interest that will have to be prospected in more depth next season. They are listed as follows:

- 1) Gold concentrations - Kettle Creek Area
- 2) Chromium concentrations - Kettle Creek Area
- 3) Silver concentrations - Hearty Creek Area
- 4) Magnetite concentrations - North of headwaters of Hearty Creek Area
- 5) Scorodite concentrations - Northern section of Hearty Creek Area, both sides
- 6) Jade/Garnets/ concentrations - Kastrukoff Creek Area
- 7) Uvarivite crystals - Kastrukoff Creek Area
- 8) Packsack mtn. Outcrops - Quartz, Limestone and Pine Pond Areas

Future prospecting, sampling both rock, soils, sediments and heavy minerals should be done in all of these areas. Mapping should also be started and completed for them as well.



Enclosed with the final submission are copies of the assay work I had completed this season along with a map showing the location of assay numbers. Another map shows the direction and trails that I utilized for the prospecting I did along with the areas clearly marked. The dates are clearly marked on the trails that I travelled over the prospecting season.

Overall I feel that the prospecting season for 2001 has been a success and has given me more knowledge of my area. Also it has exposed those areas of high interest that I will continue to prospect next season.

FINAL

SUBMISSION

FORM

YUKON MINING INCENTIVES PROGRAM

FINAL SUBMISSION FORM

INSTRUCTIONS: Please read the guidebook before completing form.
Please type or print.

Submit completed form and summary or Technical Report by January 31 for the Grassroots prospecting, Grassroots Grubstake and for the Target Evaluation programs to:

Yukon Mining Incentives program
Economic Development
Government of the Yukon
Box 2703, Whitehorse, Yukon, Y1A 2C6

TO BE COMPLETED AFTER PROJECT COMPLETION AND ACCOMPANIED BY THE SUMMARY OR TECHNICAL REPORT

Applicant STELLA HEARTY File Number 049

Proposed project area(s) (NTS map no. and project name) completed? Attach list if space is insufficient.

1. 54⁰⁰' N 50,000 - 51,000 E 105A13 "A" Yes No
2. 56,000 N - 57,000 N - 47,000 E - 48,000 E 105A13 "C" Yes No
59,000 - 60,000 N - 46,000 E - 49,000 E 105A13 "C"
3. 50,600 N - 59,600 N - 50,000 - 53,000 E 105A13 "D" Yes No
4. 58,000 - 59,500 N - 53,000 - 57,000 E 105A13 "B" Yes No

Changes to proposed project(s) (if any).

Sampling only in Area "A" HM / SS Block Small
Soil Sampling grid went to EAST SIDE EUGENE CREEK (CANYON)

List other partners or personnel that worked on the project.

No partners prospector helper Jonathan Hearty -
KEVIN CHAPOT -

WORK PERFORMED BY APPLICANT

		No. of days worked by Applicant
1. Project #1 area/name	<u>"A"</u>	
Traditional prospecting	No. of Samples <u>R-6 samples</u>	<u>3 1/4</u>
Geological surveys	Scale _____	_____
Geophysical surveys	Type _____	_____
Geochemical surveys	Type No. of Samples <u>35 (HM SS+S)</u>	<u>2</u>
Drilling	Type _____ Ft.(m.) _____	_____
Trenching	Method _____	_____
Other	Type _____	_____
TOTAL		<u>5 1/4</u>

2. Project #2 area/name "B" No. of days worked
by Applicant

Traditional prospecting No. of Samples 16 R 8 1/4

Geological surveys Scale _____

Geophysical surveys Type _____

Geochemical surveys Type No. of Samples R-H.M SS) 26 3

Drilling Type _____ Ft.(m.) _____

Trenching Method _____

Other Type _____

TOTAL 11 1/4

3. Project #3 area/name "C" No. of days worked
by Applicant

Traditional prospecting No. of Samples 10 5 1/4

Geological surveys Scale _____

Geophysical surveys Type _____

Geochemical surveys Type No. of Samples 18-H.M SS R 3

Drilling Type _____ Ft.(m.) _____

Trenching Method _____

Other Type _____

TOTAL 8 1/4

4. Project #4 area/name "D" No. of days worked
by Applicant

Traditional prospecting No. of Samples R-16 5 1/4

Geological surveys Scale _____

Geophysical surveys Type _____

Geochemical surveys Type No. of Samples 9 HM SS 4

Drilling Type _____ Ft.(m.) _____

Trenching Method _____

Other Type _____

TOTAL 9 1/4

II. SIGNIFICANT RESULTS (please complete)

Project Area	New Showings and/or Anomalies	Commodity	Best Analyses
<u>A</u>	<u>NEW</u>	<u>Gold</u>	<u>3800</u>
<u>E</u>	<u>NEW</u>	<u>Gold</u>	<u>3560</u>
<u>E</u>	<u>NEW</u>	<u>Chromium</u>	<u>710000. X 3</u>
<u>B</u>	<u>NEW</u>	<u>Gold</u>	<u>1010</u>
<u>B</u>	<u>NEW</u>	<u>SILVER</u>	<u>232g/t</u>

III. CLAIMS STAKED DURING / AFTER ACTIVITY (please complete)

Project Area	Claim Numbers	Number of Claim Units
<u>C</u>	<u>TYRELL</u>	<u>1</u>
<u>B</u>	<u>PACKSACK</u>	<u>6</u>

IV. OPTION AGREEMENTS RESULTING FROM YMIP PROJECT (please complete)

Optionee	Property/Claim	Dollar Value of Work Component
<u>N/A</u>		

V. TYPE OF MINERAL EXPLORATION UNDERTAKEN (please check one)

- Preliminary work on claims
- Initial exploration
- Advanced exploration
- Development

VI. VALUE OF GOODS AND SERVICES PURCHASED (estimate, please complete)

Within the Yukon \$ 19108.07
 Outside the Yukon \$ 1402.26

VII. RESULTS OF MINERAL EXPLORATION (please complete)

- The discovery of a new prospect.
- The identification of a prospect warranting further exploration.
- The identification of an economic mineral deposit.
- The identification of a deposit which cannot support production.

VIII. SUMMARY OF EXPENDITURES

1. Daily Living Expense (claimed only by individuals)
No. of days x YG rate/person, per day _____ \$ 4025.00

2. Travel (state method: road, air, etc.)
Truck - total km x YG rate/km Truck Rental \$ 2620.00
Air _____ \$ 724.00
Other _____ \$ _____

3. Analyses/Assay Costs (specify sample type and price/assay)
HM/SS/Soils - attached prices \$ 1310.75 *SEE ATTACHED ASSAYS*

4. Equipment Rentals/Supplies *prosp Supplies 9151*
ARGO RENTAL \$ 3800.00
Supplies/fuel \$ 957.79

5. Contractors (state name and type of work)

Greyhound \$ 127.00

6. Line Cutting
No. of km x price/km _____ \$ 2100.00

7. Geochemical Survey (specify sample type)
No. of km x price/km HM/SS/Soils/R \$ _____

8. Geophysical Survey (specify type of survey)
No. of km x price/km _____ \$ _____

9. Trenching (specify equipment used and price/hour)
_____ \$ _____

10. Drilling (specify diamond or percussive and rod size)
No. of meters x price/meter _____ \$ _____

11. Reclamation (specify type) _____ \$ _____

12. Report Preparation _____ \$ _____

13. Other Expenses (specify)
Prospector's helper \$ 4750.00
MAP \$ 4.28

TOTAL EXPENDITURES \$ _____

Attach list if space is insufficient.

The Department of Economic Development may verify all statements related to and make herein this application.

1. I am the person, or the representative of the company or partnership, named in the Application for Contribution under the Yukon Mining Incentives Program.
2. I am a person who is nineteen years of age or older, or represent a person, who is ordinarily a resident of Canada.
3. I have complied with all the requirements of the said program.
4. I hereby apply for the final payment of a contribution under the Yukon Mining Incentives Program (YMIP) and declare the information given above to be true and accurate.

Signature of Applicant S. Hearty Date Dec. 1/2001
Name (print) STELLA HEARTY
Position or Title (if applicable) PROSPECTOR



NOTES

TO

FILE