



# TSL LABORATORIES LTD.

P. O. BOX 14642 — S. 16 UNION RD.  
OPPORTUNITY, WA 99214

(509) 926-0000

ANALYSTS  
CHEMISTS  
GEOCHEMISTS

ORDER NO. \_\_\_\_\_

## ANALYSIS REQUEST FORM

Company: \_\_\_\_\_

Bill To: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Authorized By: \_\_\_\_\_

Date: \_\_\_\_\_ Phone: \_\_\_\_\_

Purchase order: \_\_\_\_\_

No. of Samples \_\_\_\_\_ For: ASSAY GEOCHEM EXPLOR. ASSAY (Circle One)

Instructions for Pulps: Discard \_\_\_\_\_ Return \_\_\_\_\_ Store 90 Days \_\_\_\_\_

Rejects: Discard \_\_\_\_\_ Return \_\_\_\_\_ Est. Finish Date: \_\_\_\_\_

Sample No.	Type	Analysis	Sample No.	Type	Analysis
<div data-bbox="56 1081 1015 1963" data-label="Text"> <p>1-26-85 Sail samples 14 of them Free-Low Lab Freder Lab. 3345 E Front 535-5501 John E. Frechter</p> </div>					

SPECIAL INSTRUCTIONS \_\_\_\_\_

1974 Eqpt. List for Trip to the Buckhorn

Take a set of Orders

1. Amateur Radio Eqpt.
2. Guns and Ammo.
3. Engineer Boots
4. Engr. & Draftsman Scales
5. Brunton Compass
6. Protractor
7. Magnifying Glasses and penlight battery
8. Flashlight
9. Geo. Chem. Results for 1972 and 1970
10. Graph Paper
11. Waterproof marking pens
11. Engrs. Flagging Tape
12. Binoculars
13. Telescope
15. Motorcycle Parts
16. Radio Cassette and Tapes
17. Sewing Kit
18. Stapler, Pencils, Pens, Triangle
19. Sunglasses
20. Gun Permits
21. Cigarette Lighter
22. Pipe Tobacco
23. Radio Tubes
24. Still Cameras and Film
25. Movie Camera and Film
26. Amateur Radio License and Manuals
27. Box of small items in dresser
28. Warm Cap
29. Sweater
30. Topographic Maps
31. Engraving Tool
32. Stereo Microscope
33. Dr. Burroughs Foot Book
34. Amateur Radio Map
35. Assessment Work Notebook
36. High Intensity Light
37. 100' of Zip Cord
38. 500, 6 Coin Envelopes
39. Catalytic Heater
40. Gasoline Lamp with large shade
41. Batteries, C and A cells
42. Gasoline Lamp Caddy
43. Generators for Gas stoves and Lamps
44. Amateur Antenna Mast
45. RG-8A/U Coax Cable, 50 and 100 foot rolls

46. New Motorcycle License Plate
47. McCullough 3 KW Generator
48. Dress clothes and shoes
49. Amateur Log Book
50. Battery Soldering Iron
51. Fuses for Amateur Transceiver
52. Buy Lumber and Nails
53. DC Power Supply for Transceiver
54. Barometer
55. Carpenters Square
56. Electric Saw
57. Tape Measures 50' and 8'
58. Two "C" Clamps
59. Drill bits for electric drill
69. Straight handled shovel
70. Writing Paper, envelopes and stamps
71. Amway Massager
72. Books and Magazines
73. Piece of carpet
74. Foot Massager
75. Syphon Hoses for gasoline
76. Toilet Articles
77. Soap Boxes and Soap
78. Camera Tripod 3 leg
79. Camera Tripod 1 leg
80. Electronic Spare parts
81. FCC Sign
82. Tent Brochure
83. Box of Medicines
84. Manila Folder with letters
85. Mine, Party, Townhouse pictures
86. Tweezers



United States  
Department of  
Agriculture

Forest  
Service

Idaho Panhandle National Forests  
Bonners Ferry Ranger District  
Route 1, Box 390, Bonners Ferry, ID 83805

Reply to: 2730 Rights-of-Way Grants

Date: July 27, 1984

Subject: Buckhorn Mine Road - Class D Road Use Permit

To: Robert C. Causton  
493 Opihikao Place  
Honolulu, Hawaii 96825

Thank you for your July 18, 1984 letter.

We would like to get together with you when you are in the Bonners Ferry area to review the Buckhorn Mine Road maintenance situation, including your planned work for this year. Please contact Lee Derksen at this office.

We appreciate your keeping us informed of your plans.

JERRY STERN  
District Ranger



## PANHANDLE HEALTH DISTRICT #1

### CONTAMINATED DRINKING WATER

Laboratory examination of water samples frequently indicates that water was "CONTAMINATED". This means that intestinal types of bacteria, commonly present in surface waters, were found.

Corrective measures can be divided into two categories. The first is aimed at preventing surface water or other contamination material from gaining access to the well, and the second is aimed at disinfecting the well.

**OLD SHALLOW WELLS:** These wells may be contaminated because of poor construction or because the source of water itself is contaminated. If the latter is the case (usually shallow wells) little can be done to improve the situation except to have a well driller seal (case) off this shallow contaminated water and seek safe water at a greater depth. Dug wells commonly show contamination because it is almost impossible to keep out surface or seepage waters.

**NEWLY DRILLED WELLS:** It has been our experience that new drilled wells or recently repaired old wells and water systems commonly show contamination. This is because the materials used to construct or repair the well are ordinarily contaminated. Disinfection, as outlined below, will usually correct this trouble.

**DISINFECTING WELLS:** Wells may be disinfected by adding chlorine solutions (Chlorox, White Magic, Purex, etc.) or chlorine powders (H.T.H., B.K., Chloride of Lime, etc.) directly to the water in the well. About a quart of solution or  $\frac{1}{4}$  lb. of powder should be added to a four-inch well but proportionately more is required for larger wells. Larger quantities may be required where unusual conditions are encountered. Add this material directly to the well itself in the evening and operate the pump until chlorine can be detected at all taps, then allow to set all night. Pump out the well thoroughly the following morning until no smell or taste of chlorine is left, and wait one week before taking a sample for another lab examination. The water should not be run through your septic tank or onto grass. Sample bottles supplied by the Department of Health & Welfare should be used for this purpose. Periodic sampling should be done to be reasonably certain that the difficulty has been corrected.

**CISTERNS:** These require special treatment. Call your nearest health district office for assistance.

**SPRINGS:** These also require special protection and pose peculiar construction problems. We shall be glad to send schematic diagrams on proper spring protection.

When it is suspected that the water is contaminated because of poor design or construction there are a number of conditions to check.

1. Is the well deep enough to get satisfactory water? Water from shallow wells and pitcher pumps is always subject to contamination.
2. Is the well tightly cased? Make certain the casing is not perforated or cracked and that the joints are tight in the contaminated area or upper strata.

3. Is the well or casing tightly sealed at the top? This is important to keep out surface contamination and rodents.
4. Is the top of the well in a pit? This is a bad situation unless special protection is offered.
5. Is the surface drainage toward the well and are irrigation waters close? If so, these conditions should be remedied.
6. Are outdoor toilets, septic tanks, cesspools or sewer lines or livestock close to the well? If so, this is a definite hazard.
7. Is your well in lava formation where crevices may carry contamination great distances?
8. Are there other conditions which could contribute to the contamination of the water?

If you are still in doubt concerning the safety of your well or the quality of your water, write or call your local health district office. We shall be glad to advise you or perhaps an Environmental Health Specialist can call on you. After all, remember that a safe water supply is one of the foundations of good family and community health.

Benewah County	245-4556	Courthouse	St. Maries, ID 83861
Bonner County	263-5159	P. O. Box 734	Sandpoint, ID 83864
Boundary County	267-5558	P. O. Box 893	Bonnars Ferry, ID 83805
Kootenai County	667-3481	2195 Ironwood Court	Coeur d'Alene, ID 83814
Shoshone County	752-1235	P. O. Box 108	Silverton, ID 83867

State of Idaho  
**DEPARTMENT OF HEALTH AND WELFARE**  
Coeur d'Alene Branch Laboratory  
2195 Ironwood Court  
Coeur d'Alene, ID 83814



Laboratories  
Boise  
Caldwell  
Coeur d'Alene  
Idaho Falls  
Lawiston  
Pocatello  
Twin Falls

State of Idaho  
DEPARTMENT OF HEALTH AND WELFARE  
Water Sample For  
**BACTERIOLOGICAL QUALITY TEST**  
(Purity Test)



HW-0261  
Rev. 1976

*paid  
CF#899  
2 tests*

2824

See Back of Form for Collection Instructions

PLEASE PRINT PLAINLY

SOURCE  Type of Well, Spring, Stream, Etc.		MINE TUNNEL					
LOCATION OF SOURCE 		Address if City - Distance and Direction from Town if Farm 20 MILES EAST OF BONNERS FERRY					
REPORT RESULT TO		IF WELL, GIVE DEPTH					
Name ROBERT C. CAUSTON		Feet					
Street Address % ESTELLA THOMAS ROUTE 1 450 D		SAMPLE COLLECTED					
City, State, Zip Code BONNERS FERRY, IDAHO 83805		Hour 1:30 PM	Date 13 AUG '84				
RESULT OF WATER TEST							
Intestinal Bacteria <input checked="" type="checkbox"/> were <input type="checkbox"/> were not found in the water sample.							
Membrane Filter <u>150</u> Coliforms/100 ml. <i>confirmed</i>							
Date Received 8/14/84		Microbiologist M Brodwater DHW CDA Lab AUG 17 1984					
<p><b>EXPLANATION:</b> Intestinal bacteria should not be present in your water supply. The presence of these organisms indicates that your water is contaminated. This may be due either to poor quality of water at its source or improper construction and maintenance of the system. Because the quality of water may vary from time to time, it is recommended that repeat samples be submitted. For Department of Health &amp; Welfare recommendations or approval of your water supply, please contact your environmentalist or public health engineer.</p>							
PRESUMPTIVE TEST					CONFIRMATORY TEST		
Date	10cc	10cc	10cc	10cc	10cc	Date	Result

DO NOT FILL BOTTLE MORE THAN TWO-THIRDS (2/3) FULL  
Allow an Air Space at the Top



Laboratories  
Boise  
Caldwell  
Cosur d'Alena  
Idaho Falls  
Lewiston  
Pocatello  
Twin Falls

State of Idaho  
DEPARTMENT OF HEALTH AND WELFARE  
Water Sample For  
**BACTERIOLOGICAL QUALITY TEST**  
(Purity Test)



HW-0261  
Rev. 1976

*Handwritten:*  
1-20  
F-CK# 899  
2/2/85

*Handwritten:*  
2987

See Back of Form for Collection Instructions

PLEASE PRINT PLAINLY

SOURCE 		Type of Well, Spring, Stream, Etc. <b>SPRINGS</b>					
LOCATION OF SOURCE 		Address if City - Distance and Direction from Town if Farm <b>20 MILES EAST OF BONNERS FERRY</b>					
REPORT RESULT TO			IF WELL, GIVE DEPTH				
Name <b>ROBERT C. CAUSTON</b>			Feet				
Street Address <i>1/2</i> <b>ESTELLA THOMAS</b> <b>ROUTE 1 450 D</b>			SAMPLE COLLECTED				
City, State, Zip Code <b>BONNERS FERRY, IDAHO 83805</b>			Hour <b>1:50</b>	Date <b>13 AUG '84</b>			
RESULT OF WATER TEST							
<i>confluent growth with coliforms</i>							
Intestinal Bacteria <input type="checkbox"/> were <input type="checkbox"/> were not found in the water sample.							
Membrane Filter _____ Coliforms/100 ml.							
Date Received <b>8/14/84</b>			Microbiologist <b>cl 8/15</b>				
<p><b>EXPLANATION:</b> Intestinal bacteria <del>should not be present</del> <i>in Bonners</i> in your water supply. The presence of these organisms indicates that your water is <b>contaminated</b>. This may be due either to poor quality of water at its source or improper construction and maintenance of the system. Because the quality of water may vary from time to time, it is recommended that repeat samples be submitted. For Department of Health &amp; Welfare recommendations or approval of your water supply, please contact your environmentalist or public health engineer.</p> <p style="text-align: right;"><b>DHW</b> <b>AUG 16 1984</b> <b>CDA Lab</b></p>							
PRESUMPTIVE TEST					CONFIRMATORY TEST		
Date	10cc	10cc	10cc	10cc	10cc	Date	Result

DO NOT FILL BOTTLE MORE THAN TWO-THIRDS (2/3) FULL  
Allow an Air Space at the Top

**SALLY MOGENSEN  
GEOCHEMICAL  
LABORATORY**

**Church Road RR 2 Havelock Ont.KOL 1Z0**

**Telephone 705 778 3120**

GEO-CHEMICALS and SUPPLIES  
1985 PRICE LIST

1 THM Kit complete with chemicals for 200 tests.

Contains

1 Bag with shoulder strap. 2 Geochemical  
shaking tubes. 1 Aluminium Pelletizer. 1  
Dithizone scoop. 1 Poly funnel. 2 Jet bott-  
les. 2 Sets of chemicals ea. for 100 tests.  
200 sample envelopes.

Total price \$ 95.00

1 THM Camp Laboratory complete for 2000 tests.

Contains

everything you need to set up a camp  
laboratory with a capacity for 1-200  
tests a day. Chemicals for 2000 tests  
and sample envelopes are included.

Total price 1000.00

1 Set of chemicals for 100 tests( works on Kit  
or camp lab.

25.00

1 Geochemical Shaking Tube, standard graduation  
special graduation is available on orders of  
100 or more tubes.

3.00

1 Aluminium pelletizer, delivers approx. 200 mg. soil  
other graduations available at request.

15.00

1 Aluminium scoop for Dithizone granules.

5.00

1 " sieve 3" size with nylon screen 80 mesh.  
available in poly material as well.

7.00

1 50 ml. poly Jet-bottle.

1.00

1 small poly funnel.

1.00

1 pack of 100 soil sample envelopes.

8.00

1 Steel soil sample auger 60 cm long, 25 cm handle.

30.00

Chemicals such as THM Buffer, Copper Buffer, and Dithizone granules  
are available in bulk quantities to labs or Universities who use  
large amounts, please inquire stating your needs.

All items are in stock for instant delivery.

Prices for delivery to the United States are as quoted but in US Dollars  
to compensate for extra shipping, packing and handling costs.

*Jens Mogensen*  
*Geochemist*

*R.R. Havelock*  
*Ontario Canada.*  
*KOL 120*

November 1st. 1984

Dear Customers,

Since 1953 I have supplied the exploration industry with Geochemical Kits and Supplies. The THM Kit has become the industry standard, it is still working on the same principle, but over the years I have improved the technical aspects of it, resulting in today's troublefree easy to use and very economical model.

The price of a THM Kit today is actually lower than it was in the early fifties, in spite of the inflation that has pushed the cost of materials and labor sky high.

For years I have tinkered with an idea, that would increase the exploration value of the THM test, but I have had little time free to do the research and development on it. Now that I am actually retired, although I do not feel that old, and most certainly do not intend to sit out my life in a rocking chair, I would like to use my time to develop the field chromatograph.

Therefore as of today, I have turned the laboratory over to my wife, Sally, she has been actively working with me since 1968, so she is well familiar with the manufacturing and use of the THM Kit.

Ours is a May-December marriage, so Sally is much younger (and better looking) than I am, and I will always be there to help her with special problems or requests that any of you may have.

The Geochemical Laboratory here in Havelock, is specially made to handle only geochemical samples, and produce Kits for field use. Sally will keep it that way, she knows how easy geochemical samples can be contaminated by the presence of mineral dust particles, so she will continue my strict rule of geochemical samples only.

I hope to be able to have the first field models of the THM Chromatograph ready for the Prospectors and Developers Convention in March 1985.

As with the THM Kit, which I always kept simple to keep its versatility and cost down to earth, no pun intended, The THM Chromatograph will be kept simple and dependable, so everyone can use it, and gain valuable info at very low cost.

Geochemical prospecting is a most powerful exploration tool, do not overlook it, when you plan your exploration program. It can give you some very vital information, at a very competitive cost, and I hope to increase the value of the THM Kit tenfold with the addition of The Chromatograph.

Sally is mailing you the 1985 Price list for Geochemical Kits and Supplies, and as you will note, again this year, there are no increases, due to the steadily increasing production runs.

There is a special Bonus, as usual, for those who send their cheque or money order with the order, Sally will prepay the shipping charges.

Thank you for the many years you have given me your business,

Yours truly

*Jens Mogensen*  
*J. Mogensen*

PS: In March 1985 an updated reprint of my 1969 Geochemical Handbook, will be available. The pre-publication price is \$ 5.00 if you mail your cheque before Dec.15th 84. Regular price will be \$ 7.50 postage and handling. incl.

# TRENT LABORATORIES

3345 E. TRENT  
SPOKANE, WA 99202  
(509) 535-5501

## ANALYTICAL REPORT

Client: Robert Causton  
493 Opihikao Place  
Honolulu, Hawaii 96825

Report Number: 247

Type of Sample and Reason for Test: Geochem Soil Samples

---

Date: Oct 29, 1984

Signed

John E. Trent

Robert C. Causton  
493 Opihikao Place  
Honolulu, Hawaii 96825

November 8, 1984

Mr. John E. Trechter  
TrecLen Laboratories  
3345 E. Trent  
Spokane, Washington 99202

Dear John:

Thanks so much for your service. Please find enclosed a check for \$499.90 to cover the 118 soil samples I turned in as a result of my assessment work on my property at the Buckhorn Mine.

I'm sure not very happy with the results. I thought that I'd have some better indications than what showed up in your atomic absorption equipment. But there are several places which may warrant resampling in 1986.

If you haven't already, I would appreciate it if you would call Paul McRae and ask him to pick up the samples. I have already told him you'd contact him. If by chance he doesn't get to it, please call him again, otherwise keep the samples there for me and I will pick them up from you in 1986.

When it gets too cold for you there this winter, you can come over and use my guest bedroom here in Honolulu. In the meantime I'll put an Hawaiian 1985 calendar in the mail for you as I've done for about fifty others. Going to a luau late this afternoon, better come along.

Paul McRae's phone No.  
624 6246

Aloha,  
*Robert C. Causton*  
Robert C. Causton

Robert C. Causton  
493 Opihikao Place  
Honolulu, Hawaii 96825

June 30, 1984

District Ranger  
Bonners Ferry Ranger Station  
Bonners Ferry, Idaho 83805

Dear Sir:

As I have in the past years, I will be returning to Bonners Ferry to do the annual assessment work on my mining property at the Buckhorn Mine. Because I camp at the mine during this period of time it is usually necessary that I have the road cleared out above Davis Creek where quite often it has slid in to the point of being impassable. For this work I hire a bulldozer and open the road up not only for myself but for the huckleberry pickers, bear hunters and those who wish to adventure off the main road on Deer Creek.

Normally I will have no other reason to move any dirt during my stay there which will commence about the first week in August and end about the middle of September, depending on the weather.

I expect also to be prospecting in a general area from Keno Creek north to Spruce Lake.

Unless instructed otherwise by you or your staff I will consider this letter as my notice to you of my intentions in that area. If you wish to contact me later, please call Harold Buroker who will have Amateur Radio schedules with me during my stay.

Sincerely,

*Robert C. Causton*  
Robert C. Causton

# Beware of giardia on hikes

If you're taking a hike in the Selkirks this summer, you're far more likely to have problems with giardia lamblia than you are with the grizzly bear.

That's the word from county health nurse Maryjean Leach, who this week warned backcountry ramblers to be aware of potential intestinal troubles that can arise from a microorganism in those clear mountain streams that look so inviting on a hot day.

The water, she said, can host the giardia cyst, transmitted from animals to humans and often contained

in waste matter.

Drinking contaminated water lodges the cyst in the system, where it causes diarrhea, gas, loss of appetite, cramps, bloating, and nausea.

If a backcountry hiker discovers those symptoms after a day in the woods he or she should contact a physician, who can prescribe the necessary medication.

Giardia can also be transmitted by unhygienic practices in changing a diaper, Mrs. Leach said.

Untreated water, she said, should be boiled at least one minute before drinking. Chemical treatment doesn't bother the giardia bug, she said. On short hikes, a canteen full of water from home will go a long way to solve the problem.

**OLINE**



**QUART**

**50**

**BATE**

89¢ per qt.

30¢ per qt.

**59¢** per qt.

cost

in Giant on the South Hill

seals and store receipt to receive  
base. Limit one \$1.50 rebate per  
coupon in store.



RECENTLY RECEIVING -- the Arrow of Light Award in scouting was Jamie Fluid of Pack 188. The group is sponsored by the Church of Jesus Christ of Latter-day Saints. (Herald staff photo)

round

Beds in Rooms  
— Electric Heat  
Beds —  
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Hallmark  
PRIZE

shooting Sunday.  
Firing at the Farragut  
course at the south end of  
Lake Pend Oreille, Redford

classes.  
He will compete in another  
match in two weeks in  
Spokane.

season dispersed hunters  
and is a good management  
to reduce opening day  
crowding for all the

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noted, one

# Be careful with woods water when hunting

The Panhandle Health District is warning all hunters about the hazards of drinking untreated surface water from rivers, creeks, and lakes.

One disease that can be transmitted to individuals is the intestinal disorder called Giardiasis. Although Giardiasis can be incapacitating, it is usually not life threatening. Disease symptoms usually include diarrhea, increased gas, loss of appetite, abdominal cramps and bloating. The discomfort may first appear a few days to a few weeks after ingestion of Giardia, and may last up to six weeks.

Most people are unaware that they have been infected and have often returned home from vacations before onset of symptoms. If not treated, the symptoms may disappear on their own, only to reoccur intermittently over a period of many months.

Cases can have similar symptoms, but if you have drunk untreated surface water you should suspect

Giardiasis and inform your doctor or the Panhandle Health District office in your area. With proper diagnosis the disease is curable with medication prescribed by a physician.

There are several ways for you to treat raw water to make it safe to drink. The most certain treatment to destroy Giardia is to boil water for at least one minute.

Boiling will also destroy other organisms causing water borne disease. At high altitudes, you should maintain the boil for three to five minutes for an added margin of safety.

Chemical disinfectants such as iodine or chlorine tablets or drops are not yet considered as reliable as heat in killing giardia, although these products work well against most waterborne bacteria and viruses that cause disease. The amount of iodine or chlorine necessary to kill giardia depends on water temperature, pH, turbidity, and contact time between the chemical and

the parasite. Until current research determines the right amount of chemical and duration of contact time that will work against giardia under a variety of water conditions, chemicals cannot be recommended for routine disinfection of water for giardia. In an emergency where chemical disinfection is necessary, use an iodine-based product, since iodine is often more effective than chlorine. If possible, filter or strain the water first, and then allow the iodine to work at least 30 minutes before you drink the water. If the water is cold or cloudy, wait at least an hour, or use more iodine.

For short trips, take a supply of water from home or other domestic source.

Giardia can be readily transmitted between human and animals. Human or animal waste can contain the organism. Waste should be buried eight inches deep and at least 100 feet away from natural waters.

## F&G takes national honor

The 1982 Ernest Thompson Seton Award, for best exemplifying "standards, professionalism, imagination and communicative skills," has been presented to the Department of Fish and Game, director Jerry M. Conley announced.

Conley said the International Association of Fish and Wildlife Agencies, in announcing the award at its recent annual meeting, based its selection on an assessment that included:

--The department's five-year species management plans for fish and wildlife.

--Success in gaining legislative approval for license fee increases effective in 1981 and 1982.

--The Wildlife Ambassador program.

--"Pioneering work" on a physical fitness program for department employees.

--Support in organizing and assistance in developing a means for providing voluntary contributions of the Citizens Against Poaching program.

The award, sponsored by the Woodstream Corporation, is presented annually to

a state fish and game agency.

Conley also announced that the International Association and the American Fisheries Society have selected the department as host for their annual meeting in Sun Valley in 1985, "the first time Idaho has been selected as host state for a national fish and wildlife conference of this magnitude."

He said about 1,200 members can be expected to attend the week-long meeting.

"These honors can only mean that our professional counterparts throughout the nation recognize that our department is composed of dedicated, professional career employees who are doing their jobs exceedingly well for the people of Idaho."

**We'll Fix It!**

SPECIALIZING IN AUDIO EQUIPMENT REPAIR

We Repair Audio Equipment,



Vo



Wh  
24-o  
Reg. C



In 1989 go to first switchback above double Culvert on Mill Creek and cross over to north side of Buckhorn Ridge and sample on Davis Creek side & try to pick up vein showing anomalies on # 13 Buckhorn Crtn. & Ridge Traverse showing between # 135 & # 140 samples.

might also sample above Mill Creek double culverts on north side of Scout Ridge to try to pick up that which is showing between samples 5 & 7 of South Mill Creek Traverse # 85. might also sample on north side of Mill Creek along here and see if it can be picked up.

also sample on ~~south~~ north side of Davis Creek across from Buckhorn Ridge samples 135-140 to try to pick it up there.

Sample down Mill Creek from double Culvert past Cyanide Mill & try to pick up what is causing anomalies on Scout Ridge side of Cyanide Mill.

(over)

all of this may tie into high anomalies  
on north side of Damon Ridge at  
about the same extension.

If time permits sample both sides  
of Dawn Davis Creek.

Py (705) 778 3120

Jens Mogensen  
Geochemist

RR 2 Havelock  
Ontario Canada.  
K0L 1Z0

Newsletter no.1-1983

### *Geochemical Kits and Supplies.*

The 1st of May 1983 my new Soil laboratory in Havelock Ontario will be in full production. The THM Geochemical Field Kit and all supplies will be available from stock.

Soil samples in small or large numbers will be accepted for THM, Zn or Cu analysis by the Dithizone method.

If you want to contact me before May 1st, please call (McLean-Hunter Radio Service) 416-245-5544 and give your name and phone number to Pager 8879, I will receive your message within a few minutes, and will call you back from the next phone, this number is good up till April 1st, I will be on a trip to the States in April and back in Havelock by May 1st.

#### THE THM GEOCHEMICAL FIELD KIT

-----

The natural choice for detecting traces of base metals in the soil. It is fast, it is economical, it gives you instant results, it gives you full value for your exploration Dollar.

The THM Kit is easy to use - don't leave camp without it.

In 1932 I took my first soil sample, in 1955 I sold the first Field Kit in Canada, since then I have tested soils from many corners of the world, and shipped Kits and supplies to just as many corners. My Field Kits work, because they are kept simple, but made with the utmost care. They will not promise you a big mineral find, but they will certainly increase your chances, where there is a deposit to be found.

This spring a new guide for geochemical sampling and testing will be in print, if you want a copy, please write me at above address.

Good luck in your 1983  
prospecting season.

*J. Mogensen*  
Jens Ancher Mogensen.

*1983 Pricelist and shipping information on the back of letter*

1983 Prices for Geochemical

Kits and Supplies.

---

THE THM STANDARD GEO-CHEMICAL KIT.

complete with chemicals for doing 100  
soil tests for total heavy metals..... 95.00 \$

Federal Sales Tax incl. Provincial Tax add 7% for Ontario del.  
Shipped Freight prepaid, if your check is included with order

---

SUPPLIES FOR GEO-CHEMICAL KITS.

1 set of chemicals for 100 soil tests..... 35.00 \$  
  
1 bottle (500 ml.) THM buffer, ph 8.65..... 12.50 "  
1 " (100 ml.) GEOSOL solvent, dist..... 3.00 "  
1 pck. (100 mg.) Dithizone/citrate mix..... 5.00 "

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SPARES FOR GEO-CHEMICAL KITS.

1 Aluminium Pelletizer..... 20.00 \$  
1 Geo-chemical shaking tube with poly cap..... 4.00 "  
1 Poly cap for above tube..... .25 "  
1 Poly bottle(50 ml.) with Jet-cap..... 1.00 "

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SPECIAL EQUIPMENT FOR GEO-CHEMICAL SOIL SAMPLING & TESTING.

1 Aluminium sieve ( 10 cm diam) with 80 mesh screen 10.00 \$  
1 Plastic " ( 7 " " ) " # " " 7.00 "  
extra screens for above. 1.00  
1 Steel soil auger 1" bit,60 cm long with T-handle. 30.00 "  
  
1 Steel measuring spatula for 200 mg. dry sieved  
soil of average density..... 20.00 "

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LABORATORY SERVICES.

From 1st of May 1983 I can analyse your soil samples fast  
for either cold THM ( equal to the field test, but under lab  
controlled conditions) or for hot nitric acid extration THM.

100 soil samples, or more, per sample for cold THM... 1.00  
100 " " " " " hot ".... 2.00

This screen type analysis will eliminate your negative samples  
and allow you to spend more on detailed analysis on the positive  
samples.

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PS. Every Wednesday I will be in Toronto, to pick up samples