



41106SW0006 63.5773 LORNE

010

GEOLOGY AND MINEROLOGY OF
NORTHEASTERN ¼ OF LORNE TWP. - CON. VI - V
LOT 1 & 2

The major fault (Murray Fault) runs through the northern part of Lorne Twp. (Con. VI). The southern side of this fault shows mineralization (sulphides for approx. 1 mile). The Worthington offset runs into the Murray Fault just west of the claims.

There are several minor faults running south-west from the Murray Fault. The major one is the Beaver Lake fault which has a diamond-drilled copper-zinc orebody (Fensom claims). There are a few late intrusive dykes of olivined diabase which divide the claims in a north-west direction.

The main rocks outside of the Murray fault are greywackey-quartzite sand and Sudbury metagabbro. The Murray fault itself is sheared and brecciated and the mineralization is in white, black and green quartz-felsic volcanics.

The major minerals are chalcopyrite, pyrite, some gold, silver nickel, cobalt and platinum family epidote. The structure dips south on the Murray fault.

TAISTO TAMMINEN

GEOLOGICAL REPORTS AND MAPS

GEOLOGICAL REPORT NO. 35 - Nairn-Lorne Twp.

by R. M. Ginn - 1965

GEOLOGICAL MAP 2062 of NAIRN-LORNE TWP.

by R. M. Ginn

MAP 2170 - SUDBURY MINING AREA

J. E. Thompson - Director

Ontario Geological Br.

Revisions by Dr. K. D. Card - 1966-1967

WORK REPORT

See schedule below outlining dates, type of equipment, rates, hours.

<u>DATE</u>	<u>EQUIPMENT TYPE</u>	<u>EQUIPMENT RATE</u>	<u>OPERATOR RATE</u>	<u>HOURS</u>
Aug. 3	Excavator - 1½ c.y.	\$70.00/hr.	\$20.00/hr.	2
	Float	\$45.00/hr.	\$20.00/hr.	2
Aug. 6	Excavator	\$70.00/hr.	\$20.00/hr.	
Sept. 3	Mobile Hydraulic Drill	\$124.50/hr.	\$24.00/hr.	4
	Truck Rental	\$ 0.71/mi.		
Sept. 4	Hydraulic Drill	\$124.50/hr.	\$24.00/hr.	4.5
	Blaster		\$41.80/hr.	8
Sept. 5	Float (for Drill)	\$ 77.00/hr.	\$20.00/hr.	4
	4 Wheel Drive Honda	\$ 15.00/hr.	-	10
	Blaster		\$41.80/hr.	6



ACCURASSAY LABORATORIES LTD.

P.O. BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

Certificate of Analysis

Page: 1

36809

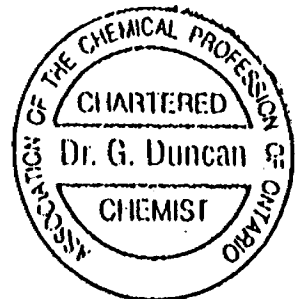
Rintala Construction Ltd.
R.R #1
Lively, Ont.
POB 250

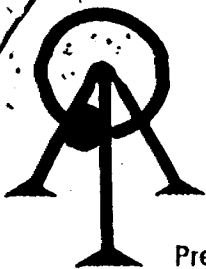
Date: October 19 19 90

Work Order # : 900720A
Project :

Accurassay	SAMPLE NUMBERS Customer	Gold ppb	Gold Oz/T	Platinum ppb	Palladium ppb	
228080	TEST PIT #1	1020	0.030	<15	<10	
228081	TEST PIT #2	988	0.029	<15	<10	
228081	TEST PIT #2	993	0.029	<15	<10	Check

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Page #1

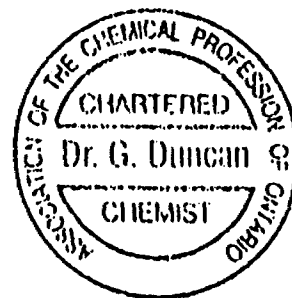
Date: October 30 19 90

37002

Rintala Construction Co. Ltd.
RR #1
Lively, Ontario
POM 2B0

Work Order # 900729
Project:

SAMPLE NUMBER	Cu %	Ni %
Accurassay Customer		
228080 Test Pit #1	1.81	74
228081 Test Pit #2	1.50	117



Per: G Duncan



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Certificate of Analysis

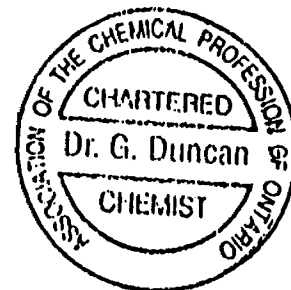
Page: 1

37741 Rintala Construction Ltd.
R.R #1
Lively, Ont.
POM 2E0

Date: December 10 19 90

Work Order # : 900923
Project :

SAMPLE NUMBERS		Gold	Gold	Platinum	Palladium	
Accurassay	Customer	ppb	Oz/T	ppb	ppb	
233085	TEST PIT #3	20	0.001	<15	<10	
233086	TEST PIT #4	<5	<0.001	<15	<10	
233087	TEST PIT #5	<5	<0.001	<15	<10	
233087	TEST PIT #5	<5	<0.001	<15	<10	Check



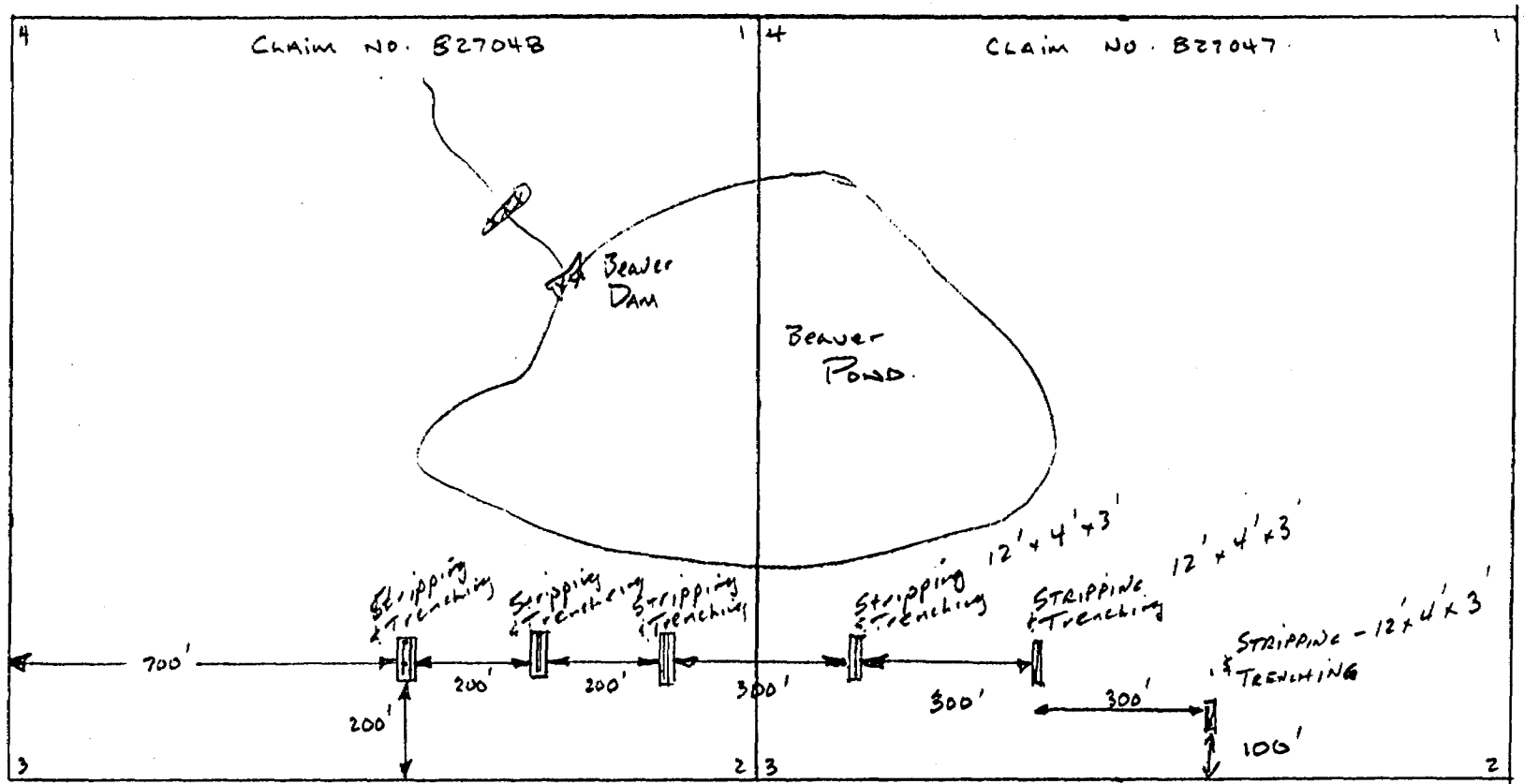
Per: G. Duncan

LORNE TOWNSHIP

Trench Locations



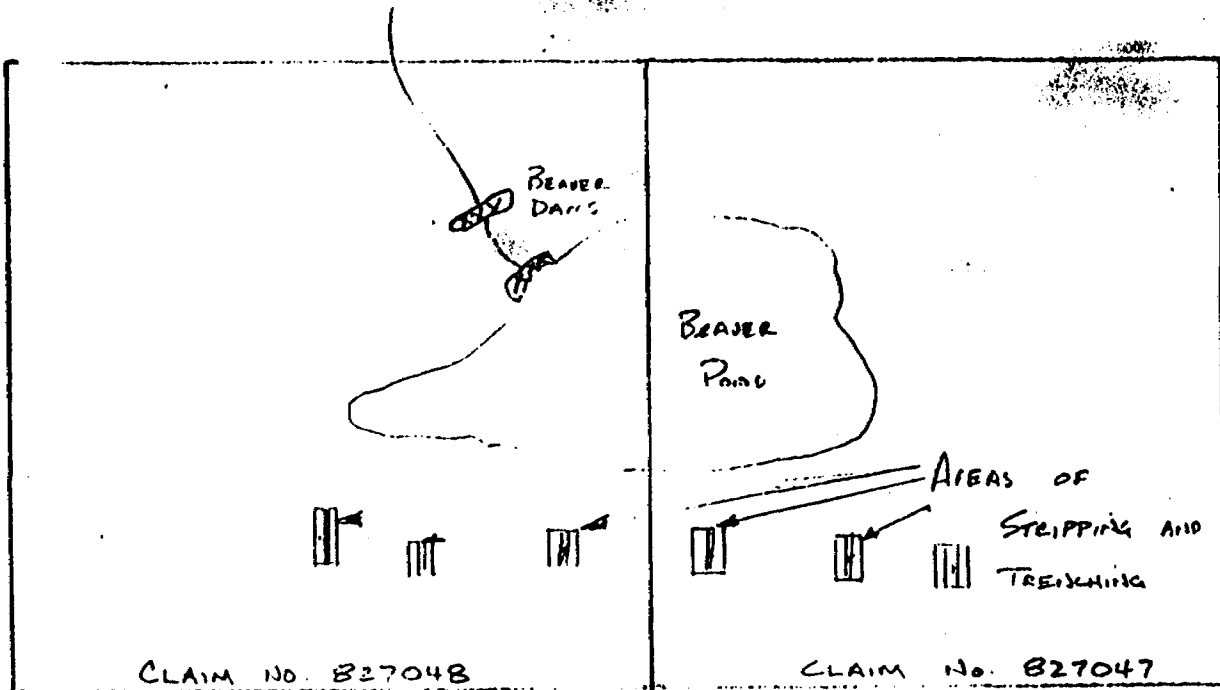
"ASTRONOMIC"



NOTE: STRIPPING - All areas approx. 12' x 4' x 3'
Trenching - " 10' x 4' x 3'

SCALE 1:125

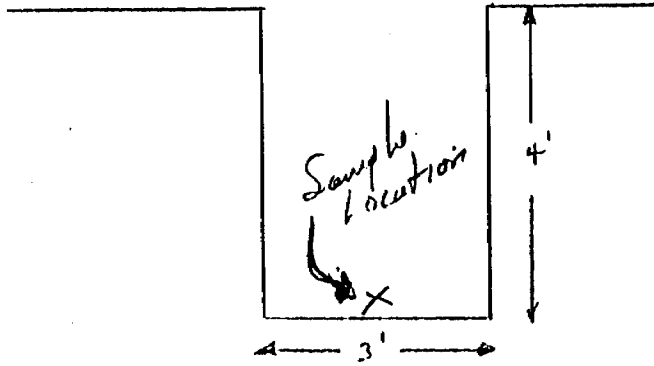
TRENCHING AND SAMPLING SKETCH.



LORNE TOWNSHIP

SAMPLING SKETCH.

1:10



SAMPLE LOCATIONS 1-5

I. WORK PERFORMED BY APPLICANT (Continued)

2. Project area/name _____		No. Days Worked By Applicant
Traditional Prospecting	no. of samples _____	_____
Geological surveys	scale _____	_____
Geophysical surveys	type _____ miles/km _____	_____
Geochemical surveys	type _____ no. of samples _____	_____
Drilling	type _____ ft/m _____	_____
Stripping/Trenching	method _____	_____
Other	type _____	_____
	TOTAL	_____
TOTAL DAYS (ALL PROJECTS)	A.	_____

(Attach additional sheets for additional project areas as required)

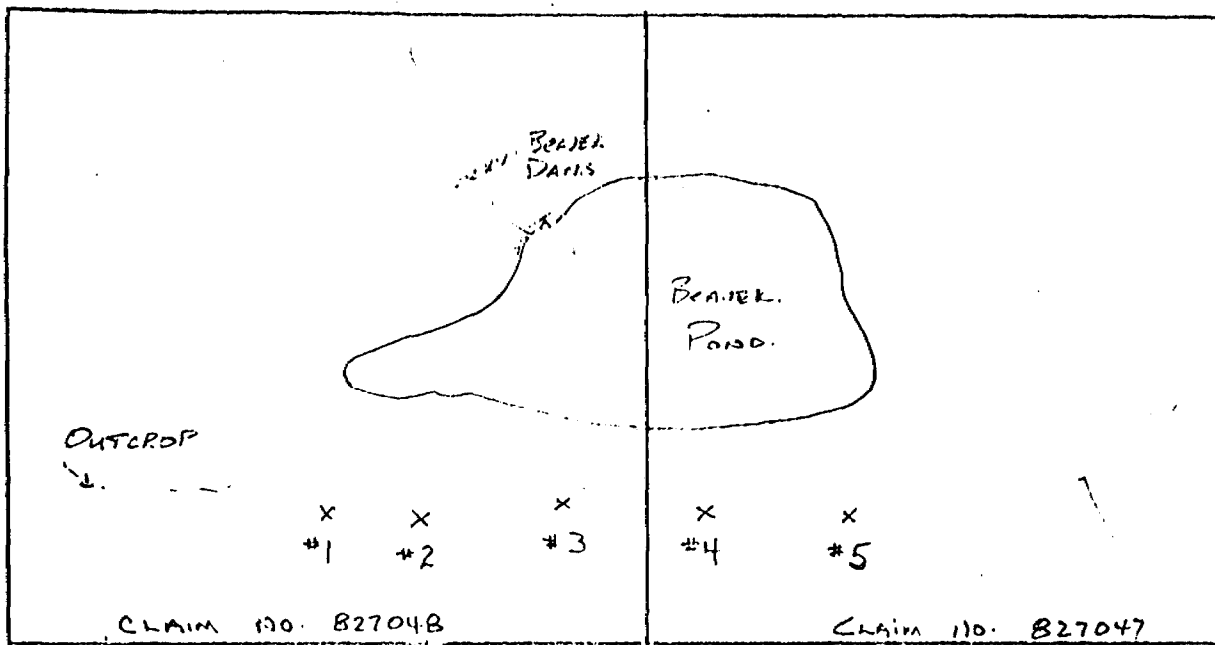
II. DETAILED LIST OF EXPENDITURES (Summarize in Section III)

Date	Recipient of Payment	Explanation	Amount
<u>Aug 8 190</u>	<u>Rentala Const.</u>	<u>Stripping</u>	<u>\$ 820.00</u>
<u>Sept. 12 190</u>	<u>Rimwell Crushing</u>	<u>Drill and Blast</u>	<u>4378.55</u>
<u>Sept. 18 190</u>	<u>Rentala Const.</u>	<u>Sample collection</u>	<u>490.00</u>
_____	_____	_____	_____
_____	_____	_____	_____
Milence rate claimed <u>1000 Km</u>	_____ km at 30¢/km.		<u>300.00</u>
(Attach additional sheets as required)			
	TOTAL		<u>5988.55</u>

III. EXPENDITURES (total of all projects) - Summary of I and II

1. Number of Working Days (A) x \$100/day	\$ <u>1200.00</u>
2. Analyses/Assay Costs	\$ <u>154.58</u>
3. Equipment Rentals/Supplies	\$ <u>475.00</u>
4. Contract Services (State Type) <u>Stripping, Drill, Blast, Sn</u>	\$ <u>5198.55</u>
5. Travel (state method: road, air, etc.)	\$ <u>300.00</u>
6. Food and Accommodation	\$ <u>—</u>
7. Other Expenses (Specify) <u>Sample collection</u>	\$ <u>490.00</u>
TOTAL EXPENDITURES	\$ <u>7818.13</u>

LOCATIONS MAP of Prospecting
- SAMPLE LOCATIONS -



1 : 5000



Report of Work Conducted After Recording Claim

Mining Act

Transaction Number

W9170.50012

Assmt

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, N Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for the Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.



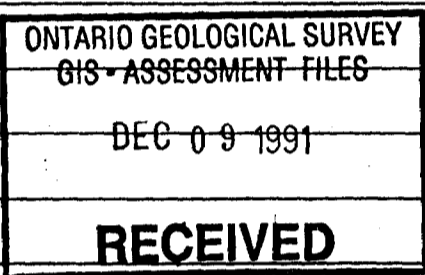
411065W0006 63.5773 LORNE

900

Recorded Holder(s) Taisto Tamminen		Client No. 199887
Address R.R.#1, Worthington, Ontario.		Telephone No. 866-2341
Mining Division Sudbury	Township/Area LORNE TWP.	M or G Plan No. G-4074
Date Work Performed From: Aug. 8/90		To: SEPT. 18/90

Work Performed (Check One Work Group Only)

Work Group	Type
<input type="checkbox"/> Geotechnical Survey	
<input checked="" type="checkbox"/> Physical Work, including Drilling	Trenching, Assays
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	



Total Assessment Work Claimed on the Attached Statement of Costs \$ **7,818.13**

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Rintala Constr.	R.R.#1, Copper Cliff, Ontario
Rimwell Crushing	Black Lake Road, Warden, Ontario

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date Nov. 7/91	Recorded Holder or Agent (Signature) <i>[Signature]</i>
--	--------------------------	--

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying Taisto Tamminen, R.R.#1, Worthington, Ontario. P.O.M 3H0		
Telephone No. (705) 866-2341	Date Nov. 7/91	Certified By (Signature) <i>[Signature]</i>

For Office Use Only

Total Value Cr. Recorded 7,818.13	Date Recorded November 07, 1991	ACTING Mining Recorder <i>[Signature]</i>	
	Deemed Approval Date February 5, 1992	Date Approved <i>[Signature]</i>	
	Date Notice for Amendments Sent November 7, 1991		

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
	S. 827047	1
	S. 827048	1
	S. 1101733	
	S. 1101734	
	S. 1101735	
	S. 1101736	
	S. 1101737	
	S. 1101738	
	S. 1101739	
	S. 1101740	
	S. 1117419	
	S. 827049	

Total Number of Claims

Value of Assessment Work Done on this Claim	Value Applied to this Claim
\$3909.06	\$651.51
\$3909.07	\$651.51
Ø	\$651.51
Ø	\$651.51
Ø	\$651.51
Ø	\$651.51
Ø	\$651.51
Ø	\$651.51
Ø	\$651.51
Ø	\$651.51
Ø	\$651.51
Ø	\$651.51
\$7818.13	\$7818.12

Total Value Work Done

Total Value Work Applied

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
\$3,257.55	
\$3,257.55	
6515.10	

Total Assigned From

Total Reserve

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

1. Credits are to be cut back starting with the claim listed last, working backwards.
 2. Credits are to be cut back equally over all claims contained in this report of work.
 3. Credits are to be cut back as prioritized on the attached appendix.
- In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

_____ Signature _____ Date _____



Statement of Costs
for Assessment Credit

État des coûts aux fins
du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction

J4170.50012

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule ont été recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	1200.00	
	Field Supervision Supervision sur le terrain		1200.00
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type	5198.55	
			5198.55
Supplies and Materials Matériaux	Type		
ASSAYS		154.58	
SAMPLE COLLECTION		490.00	
			644.58
Equipment Rental Location de matériel	Type		
	Back-Hoe	475.00	
			475.55
Total Direct Costs Total des coûts directs			7518.13

2. Indirect Costs/Coûts indirects

** Note: When claiming Rehabilitation work indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type	300.00	
			300.00
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			300.00
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			300.00
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)			7818.13
Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			7818.13

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Evaluation totale demandée
	x 0,50 =

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as [Signature] I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de [Signature] je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature [Signature] Date
November 7, 1991