



Swastika Laboratories

A Division of TSL/Assayers Inc.

Established 1928

Assaying - Consulting - Representation

Assay Certificate

7W-1295-RA1

Company: GOLDBROOK EXPLORATION
 Project: Pipeline
 Attn: C. Bowdidge/P. Lassila

Date: APR-16-97

We hereby certify the following Assay of 13 Core samples submitted MAR-31-97 by .

Sample Number	Au g/tonne	Au oz/ton	Au Check g/tonne	Au Check oz/ton	As PPM
PL SP-4 9129	Nil	-	-	-	-
PL SP-4 9130	0.04	.001	0.04	.001	821
PL SP-4 9131	0.01	.001	-	-	-
PL SP-4 9132	0.01	.001	-	-	-
PL SP-4 9133	0.01	.001	-	-	-
PL SP-4 9134	Nil	-	-	-	-
PL SP-4 9135	0.01	.001	-	-	-
PL SP-4 9136	0.01	.001	-	-	-
PL SP-4 9137	0.01	.001	-	-	-
PL SP-4 9138	0.02	.001	0.01	.001	-
PL SP-4 9139	0.01	.001	-	-	-
PL SP-4 9141	0.02	.001	-	-	-
PL SP-4 9140	0.01	.001	-	-	-

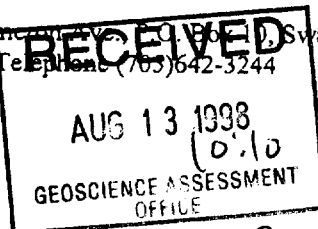
DDH PL-4 PIPELINE PROPERTY
 Split Core BQW Size
 (Same Collar Location as PL-3)

One assay ton portion used.

2. 18719

Certified by

1 Cameron Ave. Q. Box 10 Swastika, Ontario P0K 1T0
 Telephone (705)642-3244 Fax (705)642-3300



42E12SW2003

2.18719

SUMMERS

010



Swastika Laboratories

A Division of TSL/Assayers Inc.

Established 1928

Assaying - Consulting - Representation

Assay Certificate

7W-1294-RA1

Company: **GOLDBROOK EXPLORATION**
 Project: Pipeline
 Attn: C. Bowdidge/P. Lassila

Date: APR-16-97

We hereby certify the following Assay of 18 Core samples submitted MAR-31-97 by .

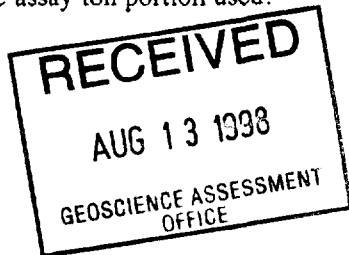
Sample Number	Au g/tonne	Au oz/ton	Au Check g/tonne	Au Check oz/ton
PL-2 9151	0.01	.001	-	-
PL-2 9152	0.02	.001	-	-
PL-2 9153	0.03	.001	0.04	.001
PL-2 9154	Nil	-	-	-
PL-2 9155	Nil	-	-	-
PL-2 9156	Nil	-	-	-
PL-2 9157	Nil	-	-	-
PL-2 9158	Nil	-	-	-
PL-2 9159	0.01	.001	-	-
PL-2 9160	0.01	.001	-	-
PL-2 9161	0.03	.001	0.03	.001
PL-2 9162	0.01	.001	-	-
PL-2 9163	0.01	.001	-	-
PL-5 9164	0.03	.001	-	-
PL-5 9165	0.01	.001	-	-
PL-5 9166	0.01	.001	0.02	.001
PL-5 9167	0.02	.001	-	-
PL-5 9168	0.01	.001	-	-

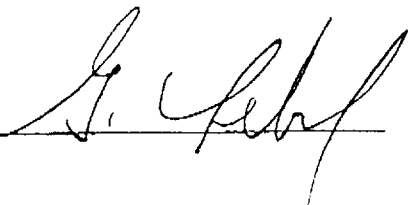
DDH PL-2

DDH PL-5

DDH PL-2 , and DDH PL-5 (same Collar Location)
 Split BQW Core

One assay ton portion used.



Certified by 

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
 Telephone (705)642-3244 Fax (705)642-3300



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Assaying - Consulting - Representation

Assay Certificate

7W-1292-RA1

Company: GOLDBROOK EXPLORATION

Date: APR-14-97

Project: Pipeline

Attn: C. Bowdidge/P. Lassila

We hereby certify the following Assay of 17 Core samples submitted MAR-29-97 by .

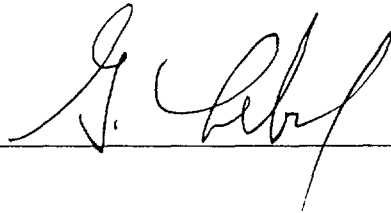
Sample Number	Au g/tonne	Au oz/ton	Au Check g/tonne	Au Check oz/ton	As PPM
PL SP-3 9112	Nil	-	-	-	-
PL SP-3 9113	Nil	-	-	-	-
PL SP-3 9114	0.01	.001	0.02	.001	-
PL SP-3 9115	0.01	.001	-	-	-
PL SP-3 9116	Nil	-	-	-	-
PL SP-3 9117	Nil	-	-	-	-
PL SP-3 9118	Nil	-	-	-	-
PL SP-3 9119	Nil	-	-	-	-
PL SP-3 9120	Nil	-	-	-	-
PL SP-3 9121	0.01	.001	Nil	-	<5
PL SP-3 9122	0.01	.001	-	-	-
PL SP-3 9123	Nil	-	-	-	-
PL SP-3 9124	0.01	.001	-	-	-
PL SP-3 9125	Nil	-	-	-	-
PL SP-3 9126	Nil	-	-	-	-
PL SP-3 9127	Nil	-	-	-	-
PL SP-3 9128	0.01	.001	Nil	-	-

DDH PL-3 PIPELINE PROPERTY

Split Core, BQW size

(same collar location as PL-4)

One assay ton portion used.

Certified by 

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705)642-3244 Fax (705)642-3300



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Assaying - Consulting - Representation

Assay Certificate

7W-1355-RA1

Company: **GOLDBROOK EXPLORATION**
 Project: Pipeline
 Attn: C. Bowdidge / P. Lassila

Date: APR-21-97

We hereby certify the following Assay of 20 Core samples
 submitted APR-02-97 by .

Sample Number	Au g/tonne	Au oz/ton	Au Check g/tonne	Au Check oz/ton	As PPM	Ni PPM	Zn PPM
PL-1 9169	0.12	.004	-	-	-	-	-
PL-1 9170	0.02	.001	-	-	-	-	-
PL-1 9171	0.02	.001	-	-	5	-	-
PL-1 9172	0.01	.001	-	-	-	-	-
PL-1 9173	0.02	.001	-	-	5	-	-
PL-1 9174	0.12	.004	-	-	-	-	-
PL-1 9175	0.02	.001	-	-	-	-	-
PL-1 9176	1.34	.039	1.75	.051	-	-	-
PL-1 9177	0.46	.013	0.56	.016	1730	-	-
PL-1 9178	0.02	.001	-	-	318	-	-
PL-1 9179	0.01	.001	-	-	-	-	-
PL-1 9180	0.01	.001	-	-	-	-	-
PL-1 9181	0.03	.001	-	-	-	-	-
PL-1 9182	0.02	.001	-	-	5	-	-
PL-1 9183	0.01	.001	-	-	5	-	-
PL-1 9184	0.02	.001	-	-	219	-	100
PL-1 9185	0.38	.011	-	-	44	-	-
PL-1 9186	3.70	.108	3.43	.100	15800	39	121
PL-1 9187	0.11	.003	-	-	676	-	92
PL-1 9188	0.01	.001	-	-	-	-	-

One assay ton portion used. A 2nd Pulp was prepared and assayed for sample #PL-1-9186. Results are 4.15 and 3.60 g/tonne.

Certified by

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
 Telephone (705)642-3244 Fax (705)642-3300



Swastika Laboratories

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Assaying - Consulting - Representation

Established 1928

Page 1 of 2

Assay Certificate

7W-1415-RA1

Company: **GOLDBROOK EXPLORATION**
 Project: Pipeline
 Attn: P. Lassila/C. Bowdidge

Date: APR-24-97

We hereby certify the following Assay of 37 Split Core samples submitted APR-08-97 by .

Sample Number	Au g/tonne	Au Check g/tonne	As PPM
9142	0.15	-	-
9143	0.20	-	-
9144	0.31	-	<5
9145	0.01	-	-
9146	0.02	-	-
9147	0.11	-	-
9148	0.05	-	-
9149	0.18	0.18	-
9150	0.03	-	-
9189	0.13	-	292
9190	0.08	-	16
9191	Nil	-	-
9192	1.21	1.27	-
9193	0.06	-	<5
9194	0.02	-	-
9195	Nil	-	-
9196	0.05	-	-
9197	0.09	-	-
9198	0.09	-	<5
9199	0.07	-	-
9201	0.28	0.23	-
9202	0.02	-	-
9203	0.12	-	-
9204	0.01	-	-
9205	Nil	-	-
9206	Nil	-	-
9207	Nil	-	-
9208	Nil	-	-
9209	Nil	-	-
9210	Nil	-	-

One assay ton portion used.

Certified by

RECEIVED

AUG 13 1998

GEOSCIENCE ASSESSMENT
 Swastika, Ontario POK 170

1 Cameron Ave., P.O. Box 10, Telephone (705)642-3244 Fax (705)642-3300



Swastika Laboratories

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Assaying - Consulting - Representation

Established 1928

Page 2 of 2

Assay Certificate

7W-1415-RA1

Company: **GOLDBROOK EXPLORATION**
 Project: Pipeline
 Attn: P. Lassila/C. Bowdidge

Date: APR-24-97

We hereby certify the following Assay of 37 Split Core samples submitted APR-08-97 by .

Sample Number	Au g/tonne	Au Check g/tonne	As PPM
9211	Nil	-	-
9212	0.04	-	-
9213	0.18	-	<5
9214	0.04	-	10
9215	3.67	3.74	112
9216	0.01	-	-
9217	0.02	-	<5

One assay ton portion used.

Certified by

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
 Telephone (705)642-3244 Fax (705)642-3300



Ministry of
Northern Development
and Mines

Declaration of Assessment Work Performed on Mining Land

Sections 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)

W9840.00562
Assessment Files Research Imaging



42E12SW2003 2.18719 SUMMERS

900

Sections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, this work and correspond with the mining land holder. Questions about this collection should be directed to the Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

- Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.
- Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

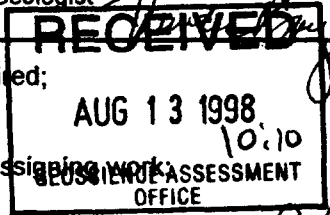
Name NOLAN COX	Client Number 121947
Address PO Box 207 BEARDMORE, ONT POT 160	Telephone Number 807 875 2647
	Fax Number 807 875 2527
Name LYLE HOLT	Client Number 145589
Address BEARDMORE, ONT POT 160	Telephone Number 807 875 2434
	Fax Number 807 875 2582

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

- Geotechnical: prospecting, surveys, assays and work under section 18 (regs) Physical: drilling stripping, trenching and associated assays Rehabilitation

Work Type DIAMOND DRILLING	Office Use
	Commodity
Dates Work Performed From 17 02 97 To 31 03 97 <small>Day Month Year Day Month Year</small>	Total \$ Value of Work Claimed 31,611
Global Positioning System Data (if available)	NTS Reference
Township/Area SUMMERS	Mining Division T. Bay
M or G-Plan Number G-165	Resident Geologist District

- Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assessment;
- include two copies of your technical report.



3. Person or companies who prepared the technical report (Attach a list if necessary)

Name PENTTI LASSILA	Telephone Number 807-875-2888
Address BEARDMORE, ONT POT 160	Fax Number
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

4. Certification by Recorded Holder or Agent

I, COLIN BOWDIDGE (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent <i>CB</i>	Date Aug 12/98
Agent's Address 118 AMELIA ST, TORONTO ON M4X 1E4	Telephone Number 416 363 6028
	Fax Number 416 363 5994

0241 (03/97)

2.18719

Deemed Nov 11/98

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

Ameidment

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank Value of work to be distributed at a future date
eg TB 7827	10 ha	\$28,826	N/A	\$24,000	\$2,826
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$ 8,882	\$ 4,000	0	\$4,882
1 TB 1208213	2	31,611	4,800		26,811
2			4,000		27,611
3			CPR		CPR
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15			CPR		
Column Totals	2	31,611	4,800 4,000		26,811 27,611

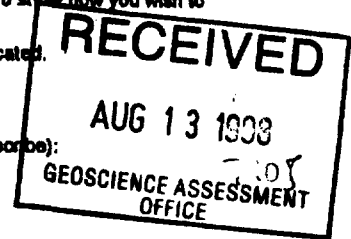
I, COLIN BOWDIDGE, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/98 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorder/Miner or Agent Authorized in Writing: [Signature] Date: Aug 12/98

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):



Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

*** TOTAL PAGE.01 ***

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	



Statement of Costs for Assessment Credit

Transaction Number (office use) W9840.00562

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Table with 4 columns: Work Type, Units of work, Cost Per Unit of work, Total Cost. Includes entries for DIAMOND DRILLING (310.9 metres, \$101.68) and sections for Associated Costs, Transportation Costs, and Food and Lodging Costs.

Total Value of Assessment Work 31,611

RECEIVED AUG 13 1998 10:10 GEOSCIENCE ASSESSMENT OFFICE

Calculations of Filing Discounts:

- 1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work.

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of worked claimed.

Note: - Work older than 5 years is not eligible for credit. - A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification.

Certification verifying costs:

I, COLIN BOWDIDEE, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

Declaration of Work form as Agent I am authorized to make this certification. (recorded holder, agent, or state company position with signing authority)

Signature [Signature] Date August 12/98

2,187.19

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9846
Fax: (877) 670-1555

September 9, 1998

NOLAN MERRITT THOMAS COX
P.O. BOX 207
412 ROSS STREET
Beardmore, Ontario
P0T-1G0

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.18719

Status

Subject: Transaction Number(s): W9840.00562 Deemed Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at benetest@epo.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,



ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.18719

Date Correspondence Sent: September 09, 1998

Assessor: Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9840.00562	1208213	SUMMERS	Deemed Approval	September 08, 1998

Section:
16 Drilling PDRILL

Correspondence to:

Resident Geologist
Thunder Bay, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

Colin Bowdidge
TORONTO, ONTARIO, CANADA

NOLAN MERRITT THOMAS COX
Beardmore, Ontario

LYLE HENRY ARTHUR HOLT
BEARDMORE, Ontario

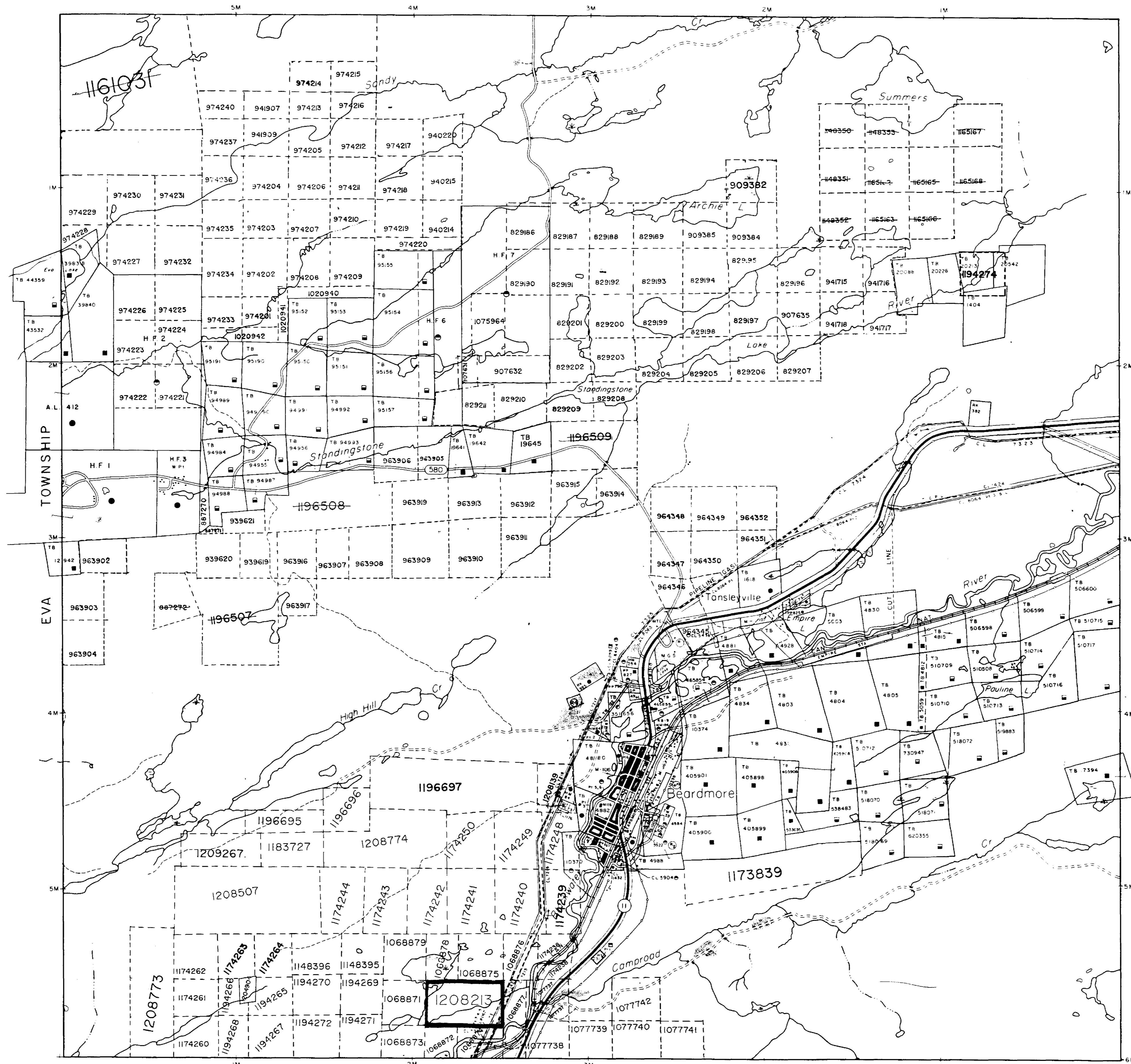
AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY
 S.R.O. - SURFACE RIGHTS ONLY
 M + S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
Withdrawn from Mining				59262
Withdrawn from Mining and Surface Rights	42 P.S.O. 601			59409
Withdrawn from Mining				

Surface Rights only withdrawn from staking order Y-TB-36/93 (M/R 93/05/27) to accommodate a 600 tonne storage facility for MRCM.

SANDRA TOWNSHIP



BEARDMORE AREA

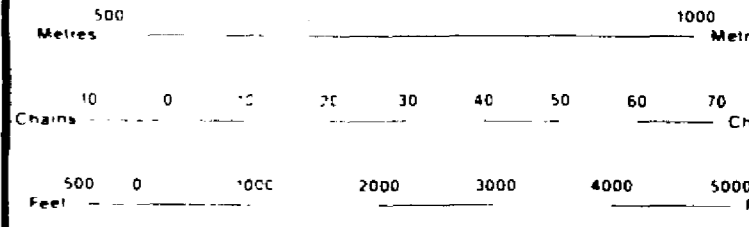
LEGEND

Symbol	Description
[Symbol]	Highway
[Symbol]	Tramway
[Symbol]	Water
[Symbol]	Marsh
[Symbol]	Unimproved Land
[Symbol]	Improved Land
[Symbol]	Right of Way
[Symbol]	Reserve
[Symbol]	Cancelled
[Symbol]	Sand & Gravel
[Symbol]	Commercial Tourism, Outpost Camps

DISPOSITION OF CROWN LANDS

Type of Document	Symbol
Patent Surface Mining Rights	[Symbol]
Surface Rights Only	[Symbol]
Lease Surface Mining Rights	[Symbol]
Surface Rights Only	[Symbol]
Licence of Occupation	[Symbol]
Order in Council	[Symbol]
Reservation	[Symbol]
Cancelled	[Symbol]
Sand & Gravel	[Symbol]
Land Use Permits for Commercial Tourism, Outpost Camps	[Symbol]

NOTE: MINERAL RIGHTS ARE RESERVED BY THE PUBLIC LANDS ACT AND THE CANADA PATENT ACT.



SCALE 1:20 000

THE SURFACE RIGHTS LYING WITHIN 40.25 M. OF THE CENTRE-LINE OF THE TRANS-CANADA PIPELINE RIGHT-OF-WAY ARE WITHDRAWN FROM STAKING OUT, PROSPECTING, SALE OR LEASE BY ORDER OF THE MINISTER OF NORTHERN DEVELOPMENT AND MINES, DATED SEPT. 20, 1994, SECTION 82 OF THE NATIONAL ENERGY ACT APPLIES TO THIS AREA.

THUNDER BAY MINING DIVISION RECEIVED

JAN 10 1995
 AM 7,8,9,10,11,12,13,14,15,16 PJ

LOCATION SKETCH

TOWNSHIP
SUMMERS
 M.N.R. ADMINISTRATIVE DISTRICT
NIPIGON
 MINING DIVISION
THUNDER BAY
 LAND TITLES / REGISTRY DIVISION
THUNDER BAY

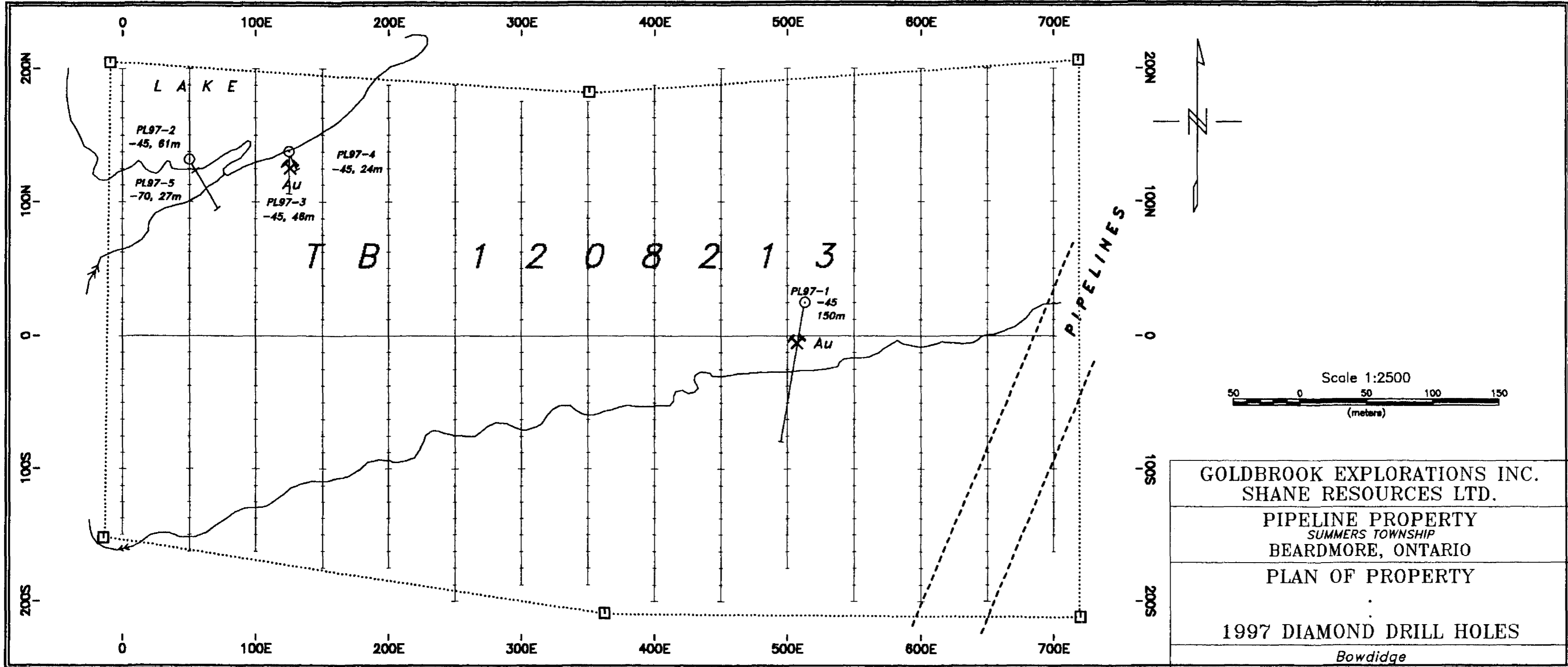
RECEIVED
 AUG 13 1993
 GEOLOGICAL ASSESSMENT OFFICE

Ministry of Natural Resources Ontario
 Ministry of Northern Development and Mines

SEPTEMBER 1995
 G-165
 in Service Dec. 22, 1995

NOTICE: The information that appears on this map has been compiled from various sources and accuracy is not guaranteed. Those wishing to stake MINING CLAIMS should consult with the MINING RECORDER, Ministry of Northern Development and Mines, for additional information on the status of the lands shown hereon.





RECEIVED
AUG 13 1998
12:16
GEOSCIENCE ASSESSMENT
OFFICE



GOLDBROOK AND SHANE

Az. 190°

D+25 N, S+13 E

At: -45° at collar

Contractor: Cartwright Drilling

Start: March 26, 1997

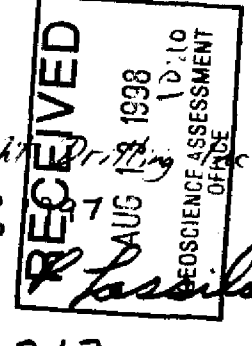
Finish March 28,

Logged by: P. Lassila

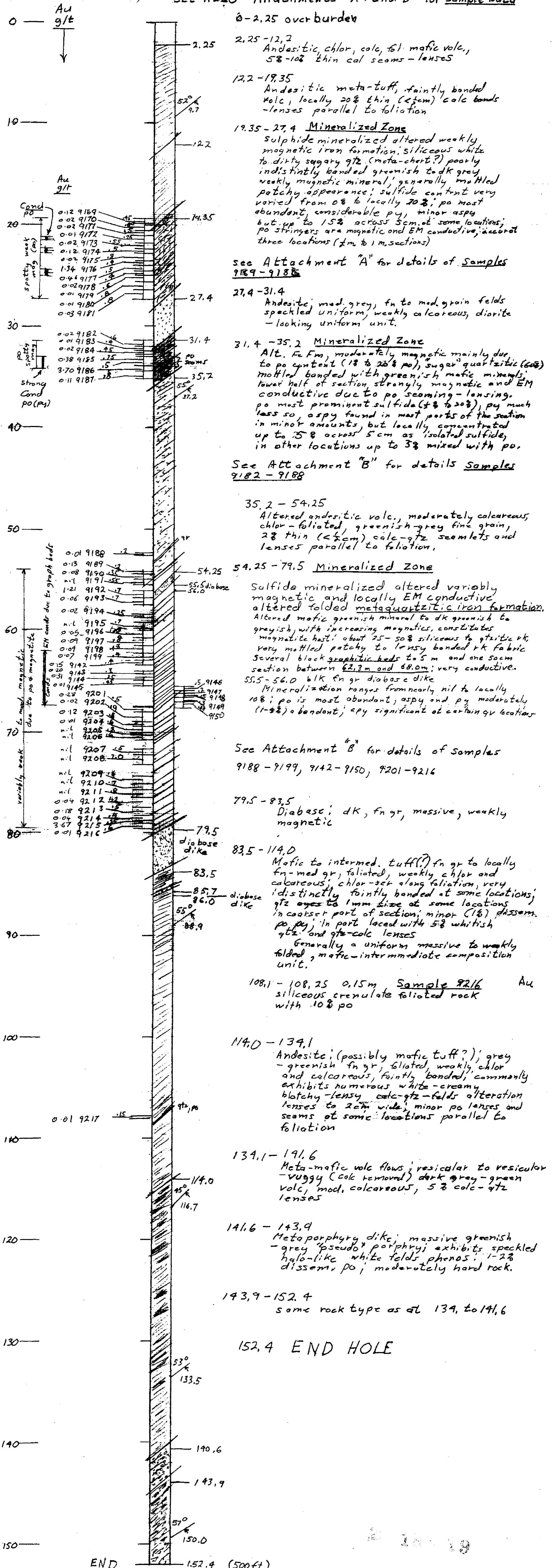
April 04, 1997

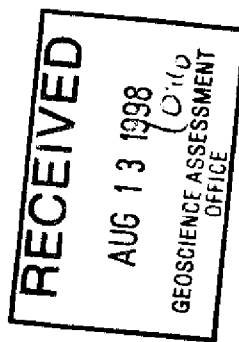
Core: QW

Claim No. 1208213



Core stored: MNMH Boardman yard. SEE ALSO Attachments 'A' and 'B' for Sample Data





ATTACHMENT A
PIPELINE PROPERTY

Apr. 06, 1997
P. Sasseila

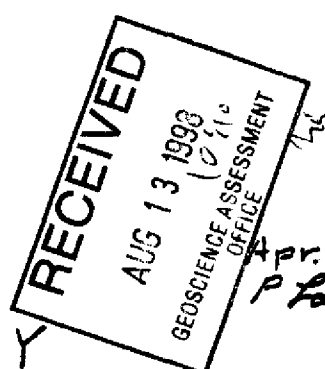
SAMPLE DETAILS DDH PL-1

Au
g/t
↓

					Au g/t	As ppm
<u>Sample 9169</u>	0.45 m	19.35 - 19.8 m	Au	5-8% po, magnetic, mainly whitish quartzite, about 1/2% fn dissem aspy	0.12	
<u>Sample 9170</u>	0.8 m	19.8 - 20.6 m	Au	2-5% po, magnetic, mainly qtzite, few po seams to 1/2 cm thk.	0.02	
<u>Sample 9171</u>	0.5 m	20.6 - 21.1 m	Au AS	2-3% po, mainly light grey qtzite	0.02	< 5
<u>Sample 9172</u>	0.75 m	21.1 - 21.85 m	Au	1% po, light grey "sugar" qtz (qtzite)	0.01	
<u>Sample 9173</u>	0.55 m	21.85 - 22.4 m	Au AS	dark greyish mag bands 15% of rk, whitish qtz 80%, aspy at a few spots	0.02	< 5
<u>Sample 9174</u>	0.5 m	22.4 - 22.9 m	Au	matic fol rk 50%, qtzite 40%, very magnetic mass po bands 10% of rk,	0.12	
<u>Sample 9175</u>	0.8 m	22.9 - 23.7 m	Au	70% greenish chloritic mafic rk, weak mag, 1% po	0.02	
<u>Sample 9176</u>	0.4 m	23.7 - 24.1 m	Au AS	1% grey qtzite, minor (1%) aspy, 5-10% dissem and patches po	1.34	
<u>Sample 9177</u>	0.5 m	24.1 - 24.6 m	Au AS	60% qtzite, 2-3% lousy patches py, 3-5% po, minor aspy, stringlet cpy	0.46	1730
<u>Sample 9178</u>	0.4 m	24.6 - 25.0 m	Au AS	70% qtzite, 25% marcasite as coarse leached dodecahedral crystals to 6mm across 5cm. of section	0.02	318
<u>Sample 9179</u>	0.6 m	25.0 - 25.6 m	Au	dirty-grey qtzite, bands to 1cm thk of dk grey magnetite (10% of rk), 1% po	0.01	
<u>Sample 9180</u>	0.8 m	25.6 m - 26.4 m	Au	light green qtzitic rk, rare aspy and cpy, one cpy blob to 1cm thk.	0.01	
<u>Sample 9181</u>	0.8 m	26.4 - 27.2 m	Au	mainly greyish qtzite, few spec aspy, locally 5-8% po across 5cm in dk grey sil rk, generally 1% po	0.03	
<u>Sample 9182</u>	0.6 m	31.4 - 32.0 m	Au AS	whitish to 1% grey qtzitic rk, 15% dk grey bands to 2cm thk, 1% po, rare cpy and aspy	0.02	< 5
<u>Sample 9183</u>	0.4 m	32.0 - 32.4 m	Au AS	80% wht qtzite with seam-like aggregates of fn to cr gr very bright po (3% of rk), spec cpy	0.01	< 5
<u>Sample 9184</u>	0.45 m	32.4 - 32.85 m	Au AS	qtzitic rk with dense, seam-like aggregates of po; magnetic, strong EM conductor	0.02	219
<u>Sample 9185</u>	0.75 m	33.15 - 33.9 m	Au AS	mainly dirty greyish qtzite with 2% to 8% dissem. po, aspy?	0.38	44
<u>Sample 9186</u>	0.5	33.9 - 34.4 m	Au AS	heavy po seamed zone, magnetic, conductive, 20% po lenses-patches-stringers; in part mixed with 3-5% aspy, possibly some sphal Zn	3.70	15800
<u>Sample 9187</u>	0.8 m	34.4 - 35.2 m	Au AS Zn Ni	similar to 9186 but less aspy	0.11	676
<u>Sample 9188</u>	0.2 m	52.5 - 52.7	Au	white qtz-calc vein	0.01	



ATTACHMENT "B"
PIPELINE PROPERTY



Apr. 06, 1997
P. Lucilla

SAMPLE DETAILS DDH PL-1

As ppm	Au g/t	Sample	Interval	Description
292	0.13	Sample 9189	0.3 m 54.25-54.5	70% wht qtzite, 10% po (cone patch 1cm x 3cm) 20% greenish alt mafic quasi-banded rk
16	0.08	Sample 9190	0.35m 54.45-54.8	mottled fractured qtzite with local concent of po, few blebs cpy, few specs aspy
	n.l	Sample 9191	0.55m 54.8-55.45m	similar to 9190, but 7% po as fract filler
	1.27	Sample 9192	0.7 m 56.1-56.8 m	mottled wht-creamy fract qtzitic rk with 2-5% fract. fillings
<5	0.06	Sample 9193	0.7m 56.8-57.5 m	similar rk as 9192, but only 1-2% po
	0.02	Sample 9194	0.25m 58.4-58.65 m	90% qtz, very minor sulfide
	n.l	Sample 9195	0.7 m 59.2-59.9 m	siliceous chloritic (greenish alt.) foliated rk no sulfides
	0.05	Sample 9196	1.0m 59.9-60.9	fol siliceous-chlor rk (mottled foliate appearance) 2% rk thin lensey po seams
	0.09	Sample 9197	0.7m 60.9-61.6	Conductive zone; thin magnetic conductive po seams parallel to foliation of dark mafic alt rk (15%) in fragmented qtz (90% of rk).
	0.09	Sample 9198	0.7 m 61.6-62.3 m	foliated mottled textured rk; greenish altered rhyolite segregations in qtzitic material; 3% very fn po as well as blebs to lam size
NOTE: 62.3 m to 68.0 m				
Sample 9199 and samples 9142 to 9150, and sample 9201 (section 62.3 m to 68.0 m) contain EM conductive graphitic argillitic interbeds within the qtzitic rk. This section exhibits intense folding and foliation, as well as meta-crustic alteration.				
	0.07	Sample 9199	0.4 m 62.3-62.7 m	greenish mottled foliated folded qtzitic rk with pancake-like block graphitic patches (folded foliated domes) 2-3% po, <u>Conductive graph</u>
	0.15	Sample 9142	0.4 m 63.0-63.4 m	well folded foliated section with 30% dk graphitic arg.; 5% po seams <u>strong conductor</u>
	0.20	Sample 9143	0.3m 64.0-64.3m	qtzite and folded graphitic arg; 6-8% po <u>strong conductor</u>
<5	0.31	Sample 9144	0.25 m 64.65-64.9 m	same as at 9143, 10% po, <u>graph, strong conductor</u>
	0.01	Sample 9145	0.55 m 64.9-65.45m	Very mottled "blended" texture of silc and mafic altered mineralization, 1-2% po, minor <u>graph</u> <u>Conductive</u>
	0.02	Sample 9146	0.45 m 65.45-65.9m	greyish rk; erector dome-like rings, banded-folded -foliated, qtzitic with arg interlayers, 1-3% po
	0.11	Sample 9147	0.2 m 65.9-66.1 m	25% banded blk arg; 70% whitish qtzite, 5% po seams <u>graph, strong conductor</u>
	0.05	Sample 9148	0.6 m 66.1-66.7 m	foliation and bedding follows core axis, 70% grey silc fract. silc. rk; one po seam to 1/2 cm thk along core axis.
	0.18	Sample 9149	0.3 m 66.7-67.0 m	blk arg and grey silc rk interlayers, 5% po <u>graph, strong cond</u>
	0.03	Sample 9150	0.5 m 67.0-67.5 m	folded qtzite and dk green-grey bands, some thin blackish magnetic seams to 1/2 cm thk
292	0.18 0.28	Sample 9201	0.5 m 67.5-68.0 m	80% dark (blackish) graphitic argillite, 2-3% po (py) <u>strong conductor</u> End graphitic zone
NOTE: 68.0 m to 77.7 m				
Samples 9202 to 9212 (68.0 m to 77.7 m) are from very similar lithology composed of meta-quartzitic ("sugar qtz") interlayers with weakly to moderately magnetic greenish altered mafic metased. in places both are intricately integrated into mottled "mixtures". Sulfide mineralization is mainly very fine dissem po with varying concentrations (locally to 10%) as lenses small splashes and blebs. Generally about 1/2 to 1% po; minor py locally, aspy observed at a few locations.				
	0.02	Sample 9202	0.9 m 68.0-68.9 m	banded whitish qtzite (60%) and greenish grey alt mafic rk 3% py seams and lenses parallel to foliation
	0.12	Sample 9203	0.5 m 68.9-69.4 m	85% qtzite, 15% greenish bands; 1-2% po (few lenses and blebs)
	0.01	Sample 9204	0.6 m 69.4-70.0 m	75% qtzite; similar to 9203
	n.l	Sample 9205	0.2 m 70.0-70.2 m	mafic section
	n.l	Sample 9206	0.6 m 70.2-70.8 m	80% qtzite similar to 9203
	n.l	Sample 9207	0.5 m 71.7-72.2 m	70% greenish mafic rk; no sulfides
	n.l	Sample 9208	1.0 m 72.2-73.2 m	60% qtzitic rk, mottled texture, tr sulfides
	n.l	Sample 9209	0.7 m 74.4-75.1 m	same as 9208
	n.l	Sample 9210	0.7 m 75.1-75.8 m	same as 9208
	n.l	Sample 9211	0.8 m 75.8-76.6 m	same as 9210
	0.04	Sample 9212	1.2 m 76.6-77.8 m	similar to 9211
<5	0.18	Sample 9213	0.4 m 77.8-78.2 m	Quartz vein, fractured with greenish fracture filling products and 5-7% po, few blebs cpy, aspy?
10	0.04	Sample 9214	0.5 m 78.2-78.7 m	Some qtz rk as 9213 but only 20% white qtz material, po blebs on margins of wht qtz, rest light grey qtzitic rock.
112	3.67	Sample 9215	0.2 m 78.7-78.9 m	somewhat qtz as at 9213, large po blocks (5% of rk)
	0.01	Sample 9216	0.6 m 78.9-79.5 m	qtzite (50%) and greenish banded mafic material similar to 9212, 1% po 79.5 m: Fe Fm mineralized zone ENDS. Diabase dike starts



GOLDBROOK AND SHANE

Az: 150°

At: -45°

Start March 21, 1997

Logged by: P. Lassila

Core: QW

1+32N, 0+50E

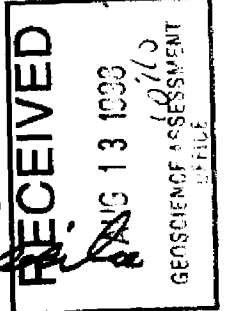
Contractor: Cartwright Drilling Inc.

Core stored: MNDM Beardmore yard

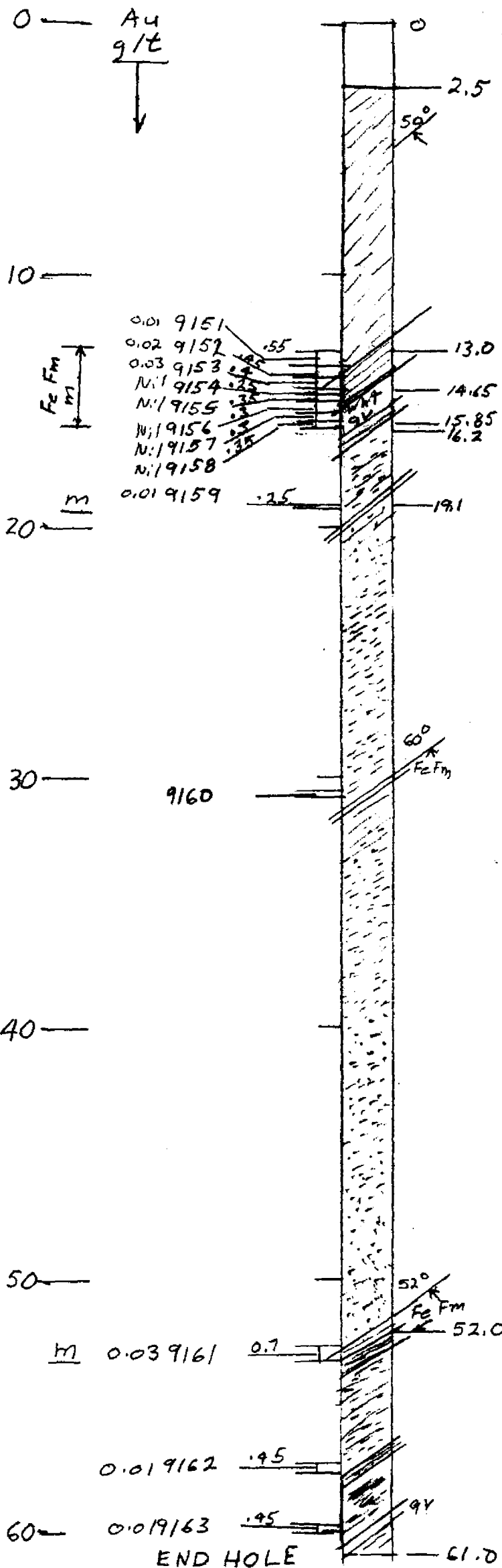
Finish: March 25, 1997

March 26, 1997

Claim No. 1208213



P. Lassila



0 - 2.5 Overburden

2.5 - 13.0 Chlor, fol, andesitic volc.; mod calcareous many small (<1cm) calc seams parallel to foliation

13.0 - 14.65 Well banded Qtzite and magnetite Fe Fm Alk, greenish to light grey to dk grey magnetic bands to 1cm thk, interbedded with Qtzite (meta-chert?), about 60% of tk, only very minor sulfides (po)

13.0 - 13.55	0.55m	Sample 9151	5-8 po seams, few specs aspy
13.55 - 14.0	0.45m	Sample 9152	
14.0 - 14.4	0.4m	Sample 9153	
14.4 - 14.65	0.25m	Sample 9154	5-7% po seams in blk mag bands

14.65 - 15.85 Massive wht Qtz vein (tr? py)

14.65 - 15.2	0.35m	Sample 9155	} wht Qtz tr. py
15.2 - 15.5	0.3m	Sample 9156	
15.5 - 15.85	0.35m	Sample 9157	

15.85 - 16.2 Fe Fm as at 13.0 to 14.65
0.35m Sample 9158

16.2 - 19.1 0.25m Sample 9159 magnetic greenish bands and wht Qtzite; tr po; magnetite crystals

19.1 - 52.0 massive andesitic volc.; fn to fn-med gr dioritic-looking tk, grey to grey-green chloritic, mass to fol, in part lonsy, speckled with felds-calc, metacrysts

52.0 - 61.0 Mafic volc. very variably altered
52.0 - 52.6 brick-red stripes (hem alt.)
52.6 - 53.3 magnetic Fe Fm, banded Qtzite, minor po, magnetite crystals dissem in Qtzite, Sample 9161 0.45m

53.3 - 57.2 fairly uniform fn-med grain andesite

57.2 - 57.7 weak Fe Fm sample 9162 0.45m

57.7 - 59.8 mottled texture mafic volc, few thin 1/2cm brick-red hem bands

59.8 - 60.1 White and dirty greyish Qtz veining with green chlor fracture filling. Sample 9163 0.45m

60.1 - 61.0 Andsitic volc.

P. Lassila



DDH 1997 PL-3

PIPELINE PROPERTY

GOLDBROOK AND SHANE

Az: 180°

At: -45°

Start: March 22, 1997

Logged By: P Lassila

Core: QW

1+38N, 1+25E

Contractor: Cartwright Drilling Inc.

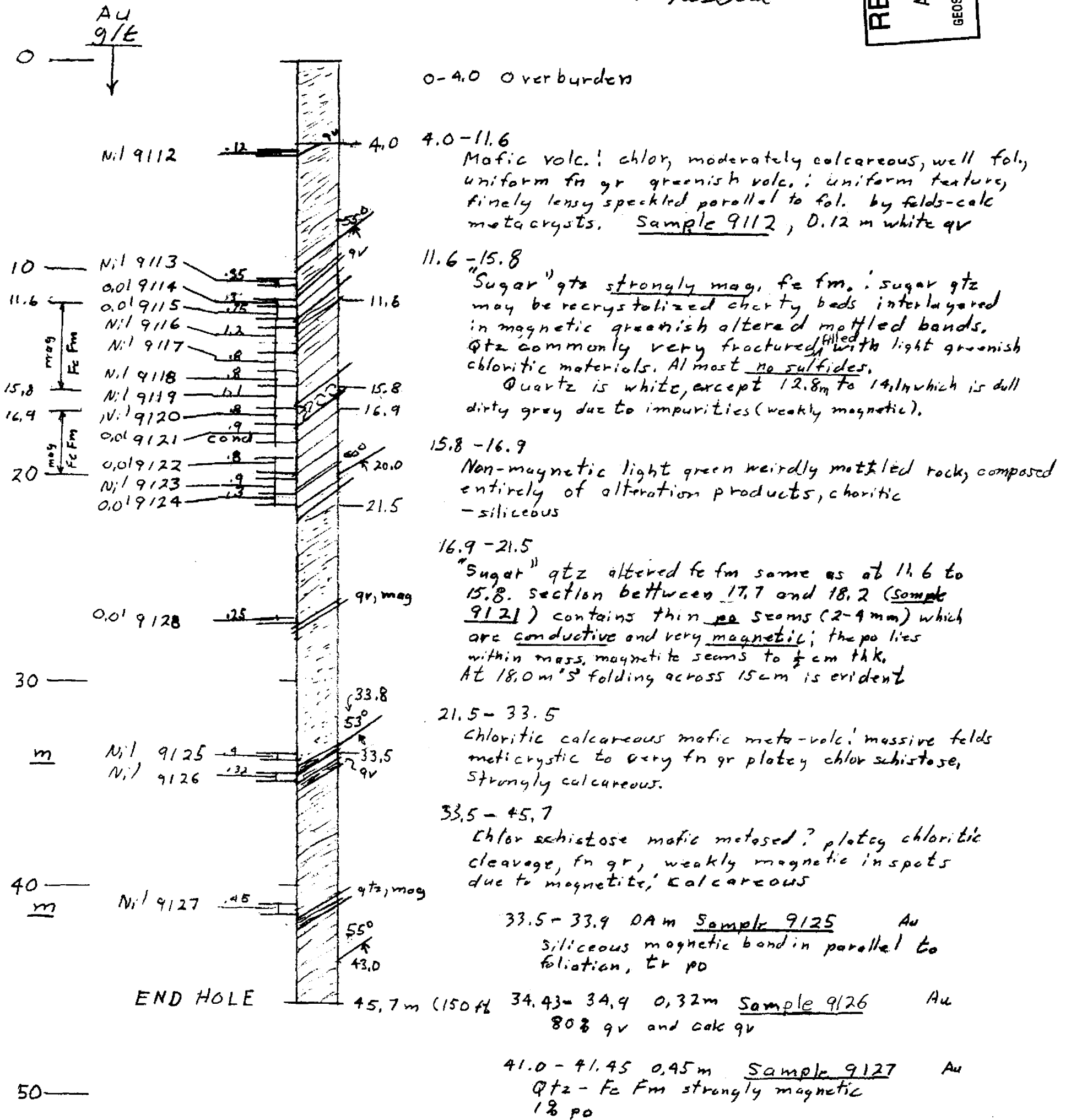
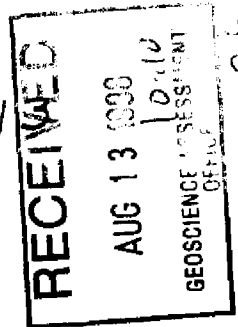
Core stored: MNDM Beadmore yard.

Finish March 23, 1997

March 25, 1997

Claim No. 120821

P Lassila



SAMPLES' MAGNETIC ZONE (10.95 m to 27.25 m)

Au g/t	Sample	Interval (m)	Length (m)	Description
nil	9113	10.45-10.8	0.35m	90% wht qtz veins
0.01	9114	11.6-11.9	0.3m	75% fractured sugar qtz, weak mag green fract fill.
0.01	9115	11.9-12.65	0.75m	same as 9114
nil	9116	12.9-14.1	1.2m	dull grey banded quartzite (70%), weakly magnetic
nil	9117	14.1-15.0	0.9m	80% white sugar qtz, some thin (2-4mm) magnetite bands, magnetic
nil	9118	15.0-15.8	0.8m	same as 9117
nil	9119	15.8-16.9	1.1m	non-magnetic marble-like mottled light green alt rock
nil	9120	16.9-17.7	0.8m	strong mag greenish fracture filling (40%) fractured sugar qtz
0.01	9121	17.7-18.6	0.9m	Pure magnetite seams (3% of rk) to 1/2 cm thick with inner po stringers (cond.) in alt banded fe fm.
0.01	9122	19.2-20.0	0.8m	Fract sugar qtz with 50% greenish alt mag mineral
nil	9123	20.3-21.2	0.9m	Magnetic rock like 9122
0.01	9124	21.2-21.5	0.3m	Magnetic rock like 9122 (50% white sugar qtz)

P Lassila



DDH 1997 PL-4

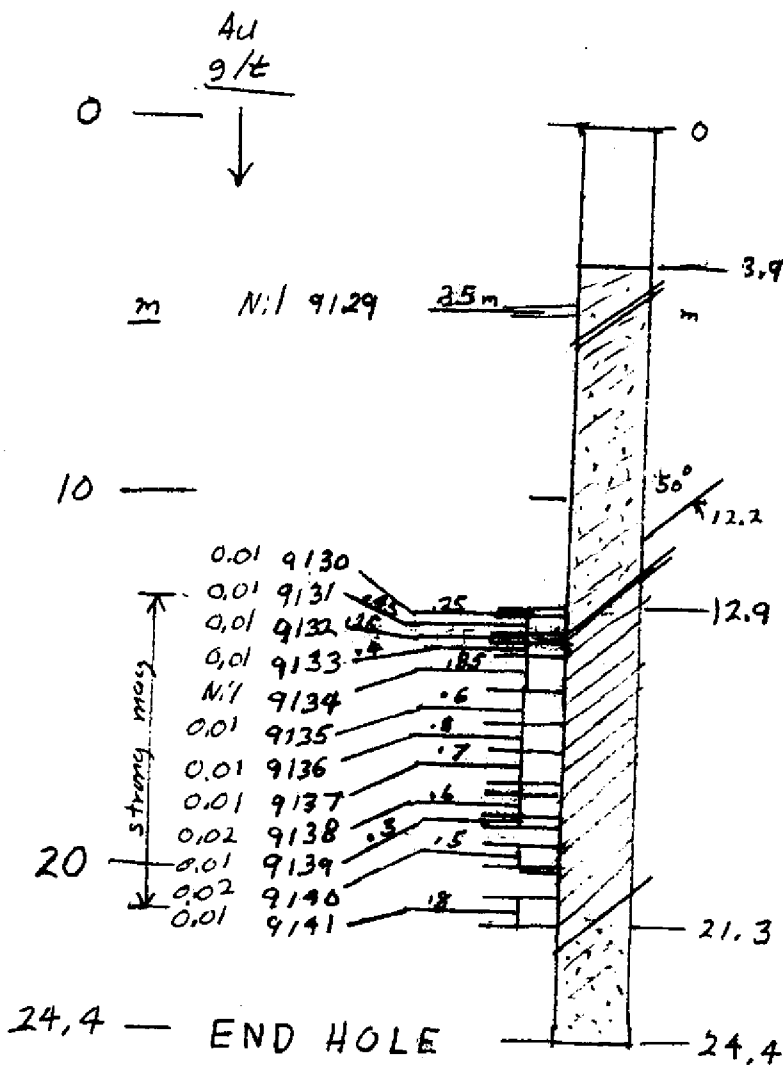
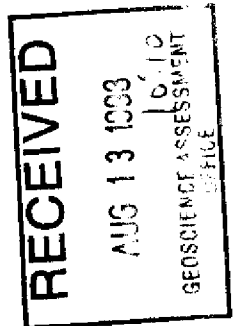
PIPELINE PROPERTY
GOLDBROOK AND SHANE

Az: 160°
At: -45°
Start: March 23, 1997
Logged by: P Lassila
Core QW

1+38N, 1+25E

Contractor: Cartwright Drilling Inc.
Core stored: MNDM Beardmore yard.
Finish March 24 1997

March 25, 1997
Claim No 1208213



0.0-3.9 overburden

3.9-12.9

Chlor, fol, fn gr mafic volc, calcareous, elongate white speckled parallel to fol. by felds-calc metacrysts; andesitic composition

3.85-4.2 0.35m Sample 9129 Au
"sugar" qtz (meta-chert) and thin magnetic mafic seams, 1/2 po

12.9-21.3

Altered iron fm., strongly magnetic, 20 to 90% whitish banded "sugar" qtz (meta chert). Mafic greenish magnetic chlor-silic magneti rich fuzzy bands and alteration zones about 40% of rk; very minor sulfides except at 12.9 m to 13.15m, with massive patches po to 1cm thk. (5% of qtz rock)

Samples 9130 to 9141 (see below)

21.3-24.4

Fn gr mass chlor mafic volc, calcareous

SAMPLES FROM MAGNETIC QUARTZITIC ZONE

Aug/t	Sample	Interval	Length	Description
0.01	9130	12.9-13.15	0.25m	80% wht "sugar" qtz, 5% po as large splay
0.01	9131	13.15-13.6	0.45m	80% wht "sugar" qtz
0.01	9132	13.7-13.95	0.25m	80% wht "sugar" qtz, few thin (2mm-3mm) po seams
0.01	9133	13.95-14.35	0.4m	greenish-grey magnetic very siliceous rk
u.l	9134	14.35-15.2	0.85m	mottled banded mag. greenish and light grey qtz, few thin blk mag seams
0.01	9135	15.5-16.1	0.6m	50% white "sugar" qtz and silc. green alt mag rk
0.01	9136	16.1-16.9	0.8m	70% white "sugar" qtz, well fractured, few strong mag (grey-blk) mag bands to 1/2 cm.
0.01	9137	16.7-17.6	0.7m	well banded greenish mag and wht qtz rk, several blk mag bands to 1cm thk.
0.02	9138	17.85-18.45	0.6	mottled banded greenish mag and 70% wht qtz rk.
0.01	9139	18.45-18.75	0.4	mainly whitish meta-chert qtzite, 2 cm. dk grey mag bands
0.02	9140	19.3-19.8	0.5	Some as 9136, qtzite fractured
0.01	9141	20.5-21.3	0.8	50% "sugar" qtz, 50% greenish mottled banded silc alt magnetic rk. one dk grey 1cm magnetite band.

Note: The meta-iron formation originally probably consisted of banded magnetite and chert formation.



DDH 1997 PL-5

PIPELINE PROPERTY

GOLDBROOK AND SHANE

Az: 150°

At: -70°

Start March 25, 1997

Logged by: P. Lassila

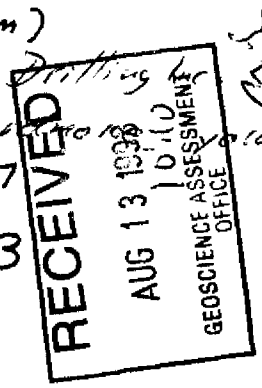
Core: QW

1+32N, 0+50 E (m)

Contractor: Cartwright Drilling
Core stored: MNDM Beaumont

Finish March 25, 1997

Claim No. 1208213



0-2.05 overburden

2.05-18.2

Andesitic volc., chlor-calcareous with many small calc lenses parallel to foliation.

18.2-19.4

chloritic schistose section

19.4-22.7

Alt. Fe Fm: Well banded quartzitic (meta-chert?) and greenish to grey magnetic bands with section at 20.0m - to 20.06 composed of fract qtz with po fract. filling

19.4 - 20.0 0.4m Sample 9164 Au

chlor schistose, mag. banded greenish alt silc rk, 5cm qtz-calc v. ang. fract greenish host rk, 2-5% po as thin (1-3mm) seams (sand); boudinoge type qtz-calc veinlets; mod. calcareous; weak sand

20.0 - 20.6 0.6m Sample 9165 Au AS

well foliated siliceous (80% qtz) rock, weakly calc., at 20.45-20.6 white qv with minor py; 5% po seamlets parallel to fol., strong cond, some (<1%) aspy

20.6 - 21.3 0.7m Sample 9166 Au AS

chlor, schistose, bdd, greenish alt mag + "sugar" qtz 20.6-20.8 15% po seams and splay; conductive across section; From 20.8-21.3 very minor sulfides

21.3 - 22.0 0.7m Sample 9167 Au

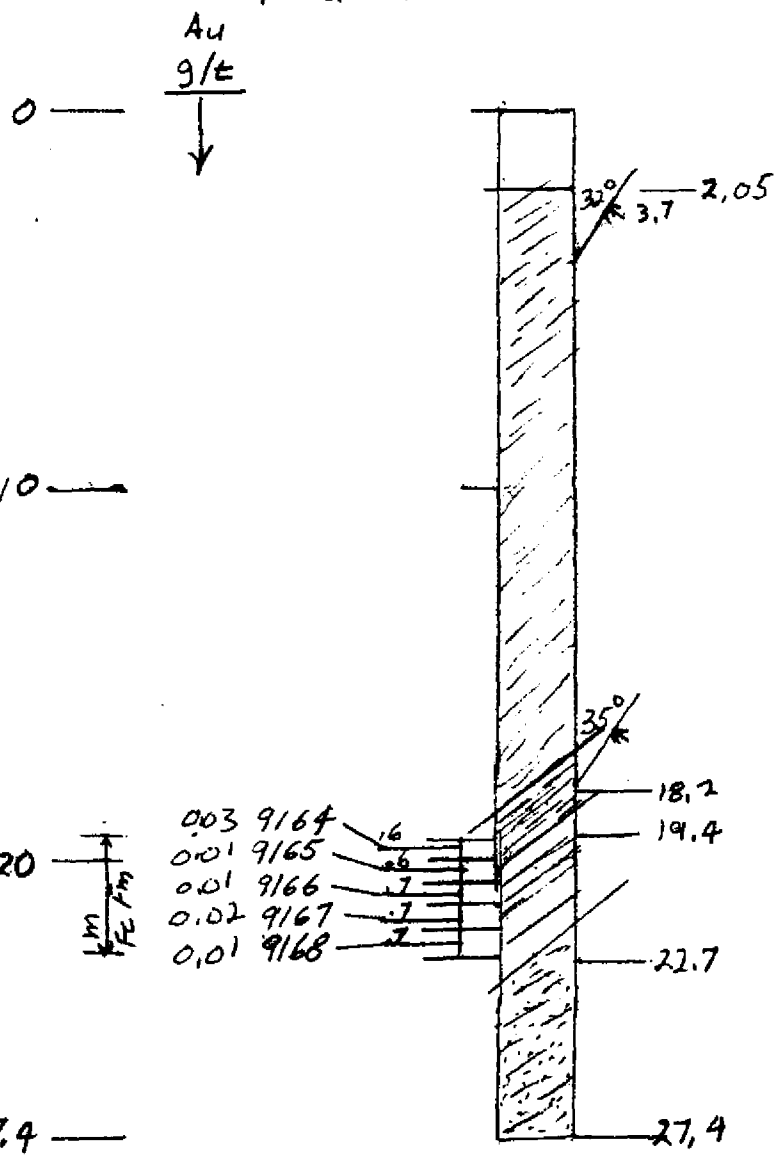
magnetic alt silc rk; mottled silc and mafic alt, strong mag; magnetite to 5cm thk, very minor po blobs

22.0 - 22.7 0.7m Sample 9168 Au

similar rock to # 9167

22.7-27.4

Grey fn gr mafic volc, moderately calcareous uniform unit; meta-andesite?



P Lassila

