010

KEN SKJONSBY OPAP

Page: 1

Co-ords .0 N -75.0 E

HOLE NO.: 93-B-39

DIAMOND DRILL RECORD

Azimuth: 245.0

Property: SKJONSBY FARM

Purpose: Test VLF-EM Anomaly

Dip: -55.0

Drilled by: K.Skjonsby

Date Started: May 22, 1993

Elevation 1000.0

Date Completed: June 20,

Logged by:

Length: 19.8

Core Size: AQ

Claim Number: L-1168430

Core Stored: Skjonsby Farm
NW2 lot 9 Con I Benoit Twp.

Dip Tests

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Length (m)	AU PPB	Au-2 oz/ton
.00	19.82	CASING						
	19.82	End of Hole.						
		Hole abandoned due to binding of casing with gravel.						

GEOLOGICAL ASSOCIATION OF CANADA
S. J. Carmichael
Jan. 1994
FELLOW

KEN SKJONSBY OPAP

DIAMOND DRILL RECORD

HOLE NO.: 93-B-40

Co-ords .0 N -47.0 E

Azimuth: 245.0

Dip: -44.0

Elevation 1000.0

Length: 97.3

Property: SKJONSBY FARM
Purpose: Test VLF-EM Anomaly
Drilled by: S.Skjonsby
Date Started: June 26, 1993
Date Completed: July 24, 1993
Logged by: S. Carmichael
Core Size: AQ
Claim Number: L-1168430

Dip Tests

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Length (m)	AU PPB	Au-2 oz/ton
.00	7.32	CASING						
7.32	32.32	BASALT Dark green fine-grained basalt. Moderately fractured with 10-15% epidote stringers. 2-4% quartz stringers. Weakly magnetic to 18.29m. 8.20 8.32 Quartz/epidote flooding. Barren. 10.95 11.19 As above. 29.57 Becoming foliated at 38 deg. To C.A.						
32.32	97.26	PILLOWED BASALT Light green fine grained pillowed basalt with chill fractures throughout. Locally with flow top breccia. 32.32 Fault Narrow seam of gouge at 45 deg. To C.A. 53.90 Fault Narrow seam of gouge, dip 65 deg. To C.A. 53.90 54.88 Foliated basalt, trace pyrite. 60.43 60.67 Hyaloclastite. 73.17 74.09 Quartz flooded from 73.54-73.93m. Barren. 83.84 84.76 Weakly foliated flow top breccia, 10% quartz flooding, trace pyrite. 84.77 Moderately silicified with 10% pyrite from 85.06-85.52m. 86.89 1 inch quartz vein, dip 70 deg. To C.A. 87.74 87.96 Quartz flooded, barren. 92.23 2 inch quartz vein, dip 90 deg. To C.A. Barren. 97.10 1 inch quartz vein, dip 38 deg. To C.A. 97.26 End of Hole. Casing Pulled.	673 674 675 676	53.90 73.17 83.84 84.76	54.88 74.09 84.76 85.67	.98 .92 .92 .91	20.0 50.0 20.0 10.0	tr tr tr nil

GEOLOGICAL ASSOCIATION OF CANADA
S. J. Carmichael
Jan 194
FELLOW

KEN SKJONSBY OPAP

Page: 1

Co-ords -300.0 N -73.0 E

HOLE NO.: 93-B-41

DIAMOND DRILL RECORD

Azimuth: 245.0

Property: SKJONSBY FARM

Purpose: Test VLF-EM Anomaly

Dip: -50.0

Drilled by: S.Skjonsby
Date Started: July 25, 1993

Elevation 1000.0

Date Completed: August 26, 1993

Logged by: S. Carmichael

Length: 89.9

Core Size: AQ

Claim Number: L-1168428

Dip Tests

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Length (m)	AU PPB	Au-2 oz/ton
.00	5.18	CASING						
5.18	15.85	FLOW TOP BRECCIA Light green/grey fine-grained silicious flow top breccia. Silicious altered pillow fragments throughout with local hyaloclastite. Weakly carbonated and fractured with secondary quartz +- calcite stringers and flooding. Erratic 2-3% pyrite mineralization throughout as blebs and stringers. Sulfide content increases where alteration of fragments increases (carbonate +- albite).						
		6.10 7.62 Silicious flow top breccia, 2-4% pyrite, trace pyrrhotite +- chalcopyrite.	626	6.10	7.62	1.52	.0	nil
		7.62 9.15 As above, ground core from 8.60-8.78m.	627	7.62	9.15	1.53	10.0	nil
		9.15 10.67 Silicious flow top breccia, 4% pyrite, trace pyrrhotite.	628	9.15	10.67	1.52	10.0	nil
		11.28 12.20 Buff carbonate alteration with 5% disseminated pyrite from 11.43-11.68m.	629	11.28	12.20	.92	10.0	nil
		13.11 14.02 Flow top breccia, 10% pyrite along fragment rims.	630	13.11	14.02	.91	10.0	nil
		14.02 15.24 As above, 20% quartz flooding and stringers.	631	14.02	15.24	1.22	10.0	nil
		15.24 15.85 As above, 4% pyrite.	632	15.24	15.85	.61	10.0	nil
15.85	37.04	CARBONATIZED BASALT Moderately foliated flow top breccia, highly reactive to HCl. Local buff hematite/carbonate alteration. Foliation at 40 deg. To C.A. Trace to 1-2% disseminated pyrite mineralization throughout.						
		15.85 16.59 Foliated with 1% pyrite.	633	15.85	16.89	1.04	20.0	tr
		16.59 17.10 Highly altered and foliated with hematite +- albite quartz vein from 17.07-17.10m, 2-3% fine pyrite throughout.	634	16.89	17.10	.21	10.0	nil
		17.10 18.60 Weakly altered section, 2% quartz +-	635	17.10	18.60	1.50	10.0	nil

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Length (m)	AU PPB	Au-2 oz/ton
		calcite stringers. Trace pyrite.						
	19.66	20.73 Quartz/calcite vein from 19.76-19.91m. Trace-1% pyrite throughout.	636	19.66	20.43	.77	20.0	tr
	20.73	21.22 Highly silicified/carbonated with 8% finely disseminated pyrite.	637	20.73	21.22	.49	10.0	nil
	21.22	22.56 Moderately carbonated, trace pyrite. 1 inch quartz vein at 22.35m, dip 16 deg. To C.A.	638	21.22	22.56	1.34	10.0	nil
	22.56	23.17 Moderately silicified pillow fragments, 2% disseminated pyrite.	639	22.56	23.17	.61	10.0	nil
	23.17	24.70 Increase in epidote alteration and breccia fragments at 23.93m. Trace pyrite throughout.	640	23.17	24.70	1.53	10.0	nil
	24.70	25.91 Strong foliation at 44 deg. To C.A. Local erratic silicification with 1% disseminated.	641	24.70	25.91	1.21	20.0	tr
		Pyrite throughout.						
	27.13	28.66 Strong foliation with highly stretched albitized fragments. 2-4% pyrite throughout.	642	27.13	28.66	1.53	10.0	nil
	28.66	29.12 Quartz vein from 28.81-29.02m. 4% pyrite in volcanics, trace in vein.	643	28.66	29.12	.46	.0	nil
	29.12	30.49 Strong foliation at 24 deg. To C.A. Trace-1% disseminated pyrite.	644	29.12	30.49	1.37	10.0	nil
	30.49	31.71 Decrease in foliation, weak alteration. 1 inch quartz vein at 31.13m. Trace-1% pyrite.	645	30.49	31.71	1.22	10.0	nil
			646	33.54	35.37	1.83	10.0	nil
	33.84	35.37 As above.						
	35.37	36.28 As above.	647	35.37	36.28	.91	10.0	nil
	36.28	37.04 Becoming increasingly carbonated with hematite stringers. Trace pyrite.	648	36.28	37.04	.76	.0	nil
37.04	49.27	MINERALIZED ZONE						
		Highly altered and foliated volcanics, possibly an interflow sediment. Variably silicified and carbonatized throughout, locally with quartz vein/flooding. Weak hematite alteration in strongly foliated sections. Sulfide content variable as described below.						
	37.04	37.68 Quartz vein, 25% albitized pyritized fragments. 5-8% fine pyrite, trace-.5% chalcopyrite.	649	37.04	37.68	.64	10.0	nil
	37.68	38.87 Moderately carbonatized volvanics. 20% quartz +- calcite +- hematite stringers. Trace pyrite.	650	37.68	38.87	1.19	10.0	nil
	38.87	40.30 As above.	651	38.87	40.30	1.43	.0	nil
	40.30	41.16 Strongly foliated with hematite/carbonate alteration. Quartz veins from 40.85-40.91m 41.10-41.16m. 5-6% fine pyrite throughout.	652	40.30	41.16	.86	10.0	nil
	41.16	42.38 Strong foliation with moderate carbonate/hematite alteration. Trace-1% disseminated pyrite.	653	41.16	42.38	1.22	.0	nil
	42.38	43.29 As above	654	42.38	43.29	.91	10.0	nil

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Length (m)	AU PPB	Au-2 oz/ton
	45.12	46.65 As above.	655	45.12	46.65	1.53	10.0	nil
	46.65	47.87 As above, 1-2% pyrite.	656	46.65	47.87	1.22	10.0	nil
	47.87	49.27 Highly carbonated, 1 inch quartz vein at 48.26m, dip 27 deg. To C.A. And from 49.02-49.18m. 4-5% disseminated pyrite around veins.	657	47.87	49.27	1.40	.0	nil
49.27	89.94	PILLOWED BASALT						
		Light green fine-grained pillowed basalt. Weakly to moderately carbonated. Locally veined. 4-5% quartz +- calcite stringers. Trace pyrite throughout, up to 4-5% py at vein contacts.						
	50.91	52.13 As above, 1.5 inch quartz vein at 51.89m, dip 60 deg. To C.A. Trace-1% pyrite.	658	50.91	52.13	1.22	10.0	nil
	53.35	54.88 As above, trace-1% disseminated pyrite.	659	53.35	54.88	1.53	10.0	nil
	54.88	55.98 Becoming increasingly carbonated. 1-2% finely disseminated pyrite.	660	54.88	55.98	1.10	10.0	nil
	55.98	57.23 Quartz vein/flooded section with vein along C.A. Vein contact mineralized with 10% fine pyrite, 1% chalcopyrite, 2% specular hematite.	661	55.98	57.23	1.25	40.0	tr
	57.23	58.45 10% quartz/calcite/hematite stringers. Trace pyrite.	662	57.23	58.45	1.22	10.0	nil
	63.20	Becoming magnetic.						
	66.83	68.29 Moderately foliated, trace pyrite.	663	66.83	68.29	1.46	10.0	nil
	68.29	69.30 As above.	664	68.29	69.30	1.01	10.0	nil
	69.30	70.43 As above, trace pyrite.	665	69.30	70.43	1.13	20.0	tr
	70.43	71.95 As above.	666	70.43	71.95	1.52	80.0	tr
	71.95	73.17 As above, 20% hematite alteration.	667	71.95	73.17	1.22	10.0	nil
	73.17	74.70 Moderately altered, trace-1% pyrite.	668	73.17	74.70	1.53	20.0	tr
	79.09	80.49 As above.	669	79.09	80.49	1.40	10.0	nil
	82.01	83.54 As above.						
	83.54	85.06 Moderately foliated and carbonatized, 2-4% disseminated pyrite.	670	83.54	85.06	1.52	10.0	nil
	88.11	88.41 Highly silicified with 10-15% fine pyrite.	671	88.11	88.41	.30	10.0	nil
	89.94	End of Hole.						
		Casing Pulled.						

ACCURASSAY LABORATORIES

A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
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.I.

47977

Certificate of Analysis

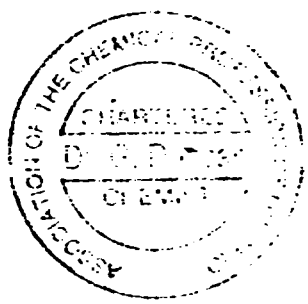
Skjonsby, Mr. Kenneth
P.O. Box 192
SWASTIKA, Ontario
P0K 1T0

December 2 03

Work Order # : 930149
Project :

SAMPLE NUMBERS		Gold	Gold	
Accurassay	Customer	ppb	oz/T	Swastika
931556	229251A	9	0.001	000629-13
931557	229252A	11	0.001	634-B
931558	229253A	18	0.001	637
931559	229254A	26	0.001	649
931560	229255A	9	0.001	652
931561	229256A	9	0.001	666
931562	229257A	48	0.001	674
931563	229258A	26	0.001	661
931564	229259A	4842	0.142	
931564	229259A	4446	0.130	Check

- Sludge



Per: G. Duncan

LF-30

CUSTOMER COPY

Swastika Laboratories

A Division of TSL / ASSAYERS INC.

Established 1928

Assaying - Consulting - Representation

Assay Certificate

3W-2577-RA1

Company: K. E. SKJONSBY

Date: SEP-29-93

Project:

Attn:

We hereby certify the following Assay of 57 rock & core samples submitted SEP-27-93 by .

Sample Number	Au g/tonne	Au oz/ton	Au Ck g/tonne	Au Ck oz/ton
214743-A	0.03	.001		
214744-A	0.02	.001		
214745-A	0.01	.001		
214746-A	NIL			
214747-A	NIL			
214748-A	0.02	.001	0.01	.001
000626-B	NIL			
000627-B	0.01	.001		
000628-B	0.01	.001		
000629-B	0.01	.001	NIL	
000630-B	0.01	.001		
000631-B	0.01	.001		
000632-B	0.01	.001		
000633-B	0.02	.001		
000634-B	0.01	.001		
000635-B	0.01	.001		
000636-B	0.02	.001		
000637-B	0.01	.001	0.01	.001
000638-B	0.01	.001		
000639-B	0.01	.001		
000640-B	0.01	.001		
000641-B	0.02	.001		
000642-B	0.01	.001		
000643-B	NIL			
000644-B	0.01	.001		
000645-B	0.01	.001		
000646-B	0.01	.001		
000647-B	0.01	.001		
000648-B	NIL			
000649-B	0.01	.001		

Certified by Denis Chenier

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244 FAX (705) 642-3300

Swastika Laboratories

A Division of TSL / ASSAYERS INC.

Assaying - Consulting - Representation

Established 1928

3W-2577-RA1

Assay Certificate

Company: **K. E. SKJONSBY**

Project:

Attn:

Date: SEP-29-93

We hereby certify the following Assay of 57 rock & core samples submitted SEP-27-93 by .

Sample Number	Au g/tonne	Au oz/ton	Au Ck g/tonne	Au Ck oz/ton
000650-B	0.01	.001		
000651-B	NIL			
000652-B	0.01	.001		
000653-B	NIL			
000654-B	0.01	.001	0.01	.001
000655-B	0.01	.001		
000656-B	0.01	.001		
000657-B	NIL			
000658-B	0.01	.001		
000659-B	0.01	.001		
000660-B	0.01	.001		
000661-B	0.04	.001	0.03	.001
000662-B	0.01	.001		
000663-B	0.01	.001		
000664-B	0.01	.001		
000665-B	0.02	.001		
000666-B	0.08	.002		
000667-B	0.01	.001		
000668-B	0.02	.001		
000669-B	0.01	.001		
000670-B	0.01	.001		
000671-B	0.01	.001	NIL	
000672-B	0.01	.001		
000673-B	0.02	.001		
000674-B	0.05	.001		
000675-B	0.02	.001		
000576-B	0.01	.001		

Certified by Denis Chartrand

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244 FAX (705) 642-3300

Ministry of Northern Development and Mines

Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number

DOCUMENT No.

W 9480 • 00116

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, Mini 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 req 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.

42A08SE0031 W9480.00116 BENOIT

900

Recorded Holder(s)		Client No.
KEN E. SKJONSBY		194956
Address		Telephone No.
BOX 192 SWASTIKA, ONT. P0K 1T0		236-4487
Mining Division	Township/Area	M or G Plan No.
LARDER LAKE	BENOIT	
Dates Work Performed	From: MAY 22/93	To: DEC. 17/93

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	
	Physical Work, Including Drilling	DIA. DRILLING - TRENCHING AS PER OPAP REPORT
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

ONTARIO GEOLOGICAL SURVEY
GIS - ASSESSMENT FILES
MAY 31 1994
RECEIVED

Total Assessment Work Claimed on the Attached Statement of Costs $ 11,248

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
KEN SKJONSBY	BOX 192 SWASTIKA, ONT P0K 1T0
STEPHEN SKJONSBY	" " " " " "
MARY SKJONSBY	" " " " " "
STEWART J. CARMICHAEL	42 RAND AVE EAST, KIRKLAND LAKE, ONT. P2N 1X1

(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	Recorded Holder or Agent (Signature)
	Mar. 8/94	K. E. Skjonsby Ken E. Skjonsby

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		
KEN SKJONSBY		
Telepone No.	Date	Certified By (Signature)
236-4487	Mar. 8/94	Ken E. Skjonsby K. E. Skjonsby

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
$11248.	March 8/94	Roger	RECEIVED 1994 JUN 8 AM 10 43 LANDS DIVISION KIRKLAND LAKE
	Deemed Approval Date: June 6/94	Date Approved: May 25/94	
	Date Notice for Amendments Sent		

0241 (03/91)

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	L-1168430	1	6,000	800		5200
	L-1168428	1	5,248 ~~FL~~	400	2,000	2848
	L-1168429	1		400		
	L-1168431	1		800		
	L-1137260	1		400		
	L-1137261	1		400		
	6		11,248 ~~FL~~	3,200	2,000	7,048
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

0241 (03/91)

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 priorize 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 priorized 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:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

Signature

Date

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

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

DOCUMENT INDEX

W 9480 • 00116

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 sont recueillis en vertu de la **Loi sur les mines** et serviront à tenir à jour un registre des concessions minières. Adresser toute quesiton sur la collece de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e 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	6,960.00	
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type GEOLOGICAL CONSULT.	500.00	
Supplies Used Fournitures utilisées	Type ASSAYING	80.36	
	FUEL	764.55	
	BITS, CASING	136.89	
	MISC. OPERATING EXPENSE	705.20	
Equipment Rental Location de matériel	Type		
	Total Direct Costs Total des coûts directs		11,102.05

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		
Food and Lodging Nourriture et hébergement	FOOD	146.44	
Mobilization and Demobilization Mobilisation et démobilisation			
	Sub Total of Indirect Costs Total partiel des coûts indirects		146.44
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		
	Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) / **Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)**		11,248.49

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	Évaluation 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 KEN E. SHIGNESKY 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 _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature	Date
Ken E. Shigneshy	Mar. 8/94

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

BENOIT TOWNSHIP

MARGINAL NOTES

Location and Access: Benoit township is 10 miles northwest of Kirkland Lake (21 miles by highway), and 8 miles south of the Ross mine of Hollinger Consolidated Gold Mines, Limited, at Holtyre. Logging roads and roads along concession and lot lines connect with highway No. 11, which crosses the township. A hydroelectric power transmission line and the main line of the Ontario Northland Railway also cross the township.

Mineral Exploration: Most of the mineral exploration in Benoit township was done during the early days of the Kirkland Lake gold camp, and shortly after the price of gold was raised in 1933.

From 1916 to 1920, a shaft was sunk northwest of Bourkes station and underground exploration was carried out. The shaft is 400 feet deep, and 510 feet of lateral development was done at the 80-foot level, 430 feet at the 180-foot level, [illegible] feet at the 280-foot level, and 340 feet at the 380-foot level. The mine was dewatered and resampled by Tellaurum Gold Mines, Limited, in 1933, and explored by Mesabi Gold Mines, Limited, in 1937 and 1938, and by Davidor Mines, Limited, in 1947.

In the northwest quarter of the north half of lot 4, concession [illegible], an inclined shaft was sunk to a depth of [illegible] feet along the dip of a quartz vein cutting volcanic rocks.

In the north half of lots 4 and 5, concession III, an inclined shaft was sunk following a 16-inch quartz vein cutting dacite. From the west side of the outcrop, an adit was driven along the vein for 60 feet, connecting with the shaft 20 feet below the surface. Also, a small two-compartment vertical shaft was sunk near the mouth of the adit.

A limited amount of mapping, diamond drilling, and trenching have been done in Benoit township in recent years.

General Geology: Benoit township lies between the Larder Lake and Porcupine-Destor faults, in the broad belt of predominantly volcanic rocks of northeastern Ontario and northwestern Quebec. The rocks in Benoit township are Precambrian, and are characteristic of the belt. From oldest to youngest they are: mafic and silicic flows, tuffs, and agglomerates (formerly known as "Keewatin" rocks); bosses and stocks of mafic to ultramafic intrusive rocks ("Haileyburian"); stocks and cupolas of silicic intrusive rocks ("Algoman"); mafic intrusive dikes that strike generally north ("Matachewan"); and Huronian sedimentary rocks of the Cobalt Group.

Clay covers most of the eastern and central parts of Benoit township, and a glaciofluvial sand plain covers the western part. The clay was deposited in a glacial lake (Barlow-Ojibway). Outcrops stand out in relief from the gently [illegible] clay beds, and are readily recognizable on air photographs. Glacial striae indicate ice movement from about N10°W.

Barchan sand dunes in the southwestern part of the township indicate that the prevailing wind during early post-glacial times was from ESE.

Structural Geology: The most prominent feature in Benoit township is a syncline, the axis of which plunges approximately southeast from the northwestern part of the township. The shape of the syncline is indicated by [illegible] the aeromagnetic map. Most of the lower strata of the syncline are [illegible], whereas the upper strata are dacite and rhyolite. Shear zones and schistosity are roughly parallel to the beds and flows, which strike southeast in most parts of the township.

Judging from the aeromagnetic map and a change in strike of the syncline, a crossfold exists in the northwestern part of the township. The crossfold is largely obliterated by intrusions of gabbro and granite, so that the strike of its axis cannot be accurately determined.

Small left-hand faults striking approximately north were recognized because beds or quartz stringers are offset by them.

Economic Geology: In Benoit township, no metal has yet been mined at a profit. The total production from the operation northwest of Bourkes station is 277 ounces of gold and 50 ounces of silver from 1,298 tons of ore milled. The gold-bearing rock was found in small lenses in a carbonatized shear zone cut by quartz stringers and veins. The shear zone strikes N35°W, parallel to an adjacent flow top. The mineralization consisted of native gold and gold tellurides in quartz-carbonate gangue that also contained pyrite and chalcopyrite. Auriferous quartz veins elsewhere in the township have similar characteristics.

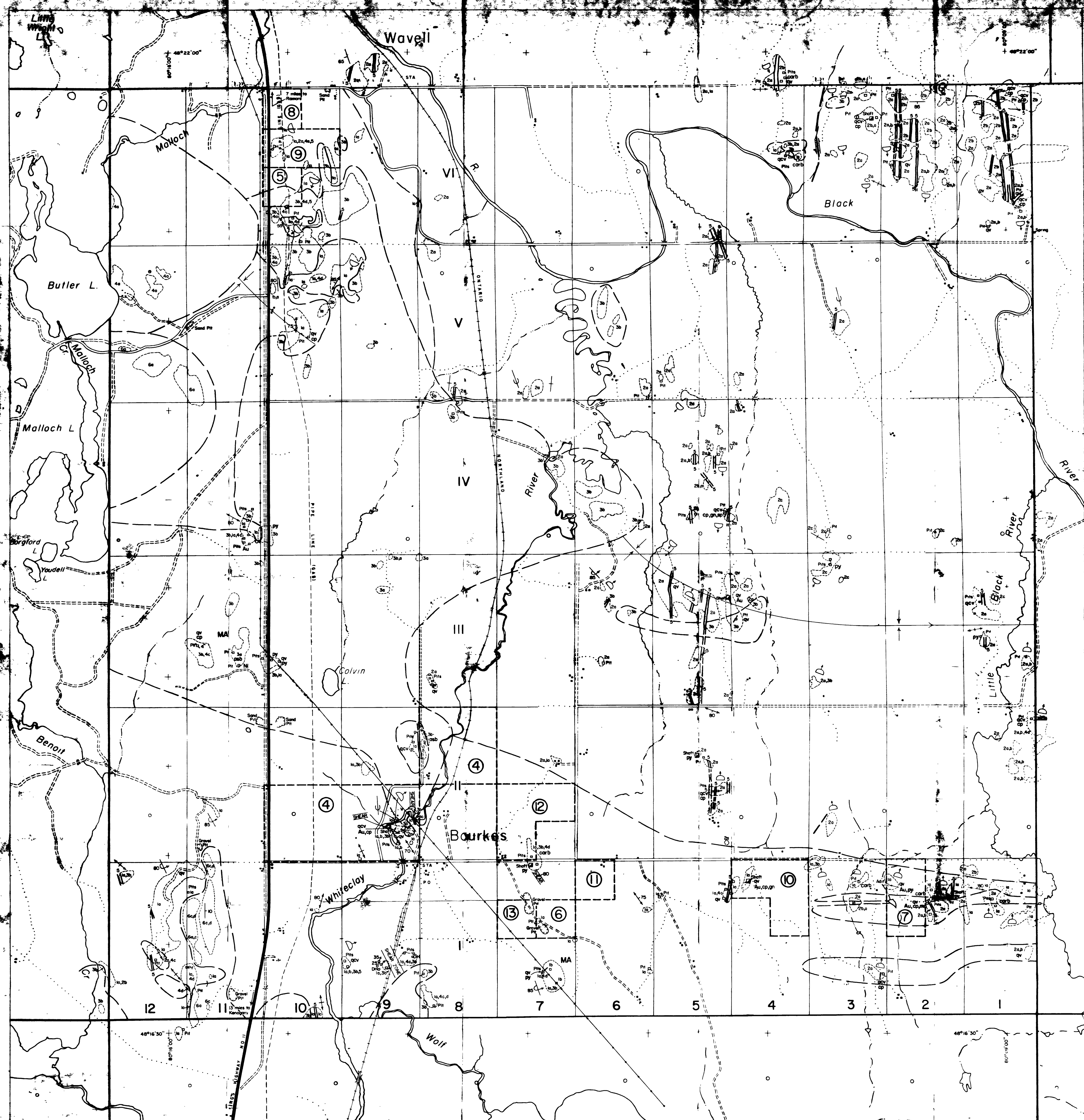
Sand and gravel is abundant in the western part of Benoit township, and zinc, copper, lead, nickel, and asbestos are present in small amounts at several localities. Much of the mineralization seems to be related to intrusions, and most intrusions are near the axial areas of folds. Asbestos is found in serpentinite near the centre of an intrusion ranging in composition from gabbro to peridotite. Copper, lead, and zinc are in quartz-carbonate veins cutting gabbro, mafic volcanic rocks, and diabase dikes.

SELECTED BIBLIOGRAPHY

Burrows, A.G.
1917: Gold-bearing veins in Benoit township; Ontario Bur. Mines, Vol. XXVI, pp. 248-251.

Wright, D.G.H.
1921: Black River area; Ontario Dept. Mines, Vol. XXX, pt. 6, pp. 27-62.

Kindle, E.D.
1936: Gold occurrences of Ontario east of Lake Superior; Geol. Surv. Canada, Mem. 192, pp. 8-13.



ONTARIO DEPARTMENT OF MINES

PRELIMINARY GEOLOGICAL MAP No. P.329

BENOIT TOWNSHIP

DISTRICT OF TIMISKAMING

Scale 1 inch to ¼ mile.

N.T.S. Reference 42A/8 West and East
G.S.C. Aeromagnetic Map 295G

LEGEND

CENOZOIC

PLEISTOCENE and RECENT

Sand, gravel, and clay

UNCONFORMITY

PRECAMBRIAN

PROTEROZOIC

HURONIAN SYSTEM

COBALT GROUP

Gowganda Formation

6
- 6a Conglomerate
- 6c Quartzite and greywacke
- 6d Argillite and slate

UNCONFORMITY

ARCHEAN

MAFIC INTRUSIVE ROCKS (MATACHEWAN)

5
- 5 Diabase

INTRUSIVE CONTACT

SILICIC INTRUSIVE ROCKS (ALGOMAN)

4
- 4a Granite
- 4c Syenite and syenite porphyry
- 4d Mafic syenite and lamprophyre

INTRUSIVE CONTACT

MAFIC AND ULTRAMAFIC INTRUSIVE ROCKS (HAILEYBURIAN and EARLY ALGOMAN)

3
- 3a Serpentinite
- 3b Gabbro, diorite, and coarse-grained basalt

INTRUSIVE CONTACT

SILICIC AND INTERMEDIATE VOLCANIC ROCKS (KEEWATIN)

2
- 2a Rhyolite, dacite and amygdaloidal silicic and intermediate volcanic rocks
- 2b Silicic and intermediate agglomerate and tuff
- 2c Dacite porphyry

MAFIC VOLCANIC ROCKS (KEEWATIN)

1
- 1a Basalt, andesite, and amygdaloidal mafic volcanic rocks
- 1b Mafic agglomerate and tuff
- 1e Andesite porphyry

GEOLOGICAL AND MINING SYMBOLS

- Glacial striae.
- Area of bedrock outcrop.
- Bedding, top unknown; (inclined, vertical).
- Bedding, top indicated by arrow; (inclined, vertical, overturned).
- Lava flow; top (arrow) from pillows shape and packing.
- Schistosity; (horizontal, inclined, vertical).
- Geological boundary, observed.
- Geological boundary, position interpreted.
- Fault; (observed, assumed). Spot indicates down throw side, arrows indicate horizontal movement.
- Anticline, syncline, with plunge.
- Drill hole; (vertical, inclined).
- Vein.
- Shaft
- MA Magnetic attraction.

MINERAL OCCURRENCES REFERENCE

asb	Asbestos	Ni	Nickel
Au	Gold	py	Pyrite
carb	Carbonate	qcv	Quartz-carbonate vein
cp	Chalcopyrite	qv	Quartz vein
gn	Galena	sp	Sphalerite
mo	Molybdenite		

LIST OF PROPERTIES

4.	Davidor Mines, Ltd.	9.	Ernest Victor Peterson
5.	Esther M. Gleason.	10.	R.S. Potter
6.	Ben Johnson Estate.	11.	A. Sjovall
7.	Daniel G. Keefe.	12.	Axel Sword.
8.	Arthur Peterson	13.	Mrs. P.C. Thoms (two locations)

NOTES

Geological mapping was carried out by pace-and-compass traverses tied to lakes, roads, and other landmarks recognizable on air photographs, and, in some places, to surveyed claims. Magnetic declination is approximately 9° 30' W.

SOURCES OF INFORMATION

Geology by Howard Lovell and assistants, 1965.

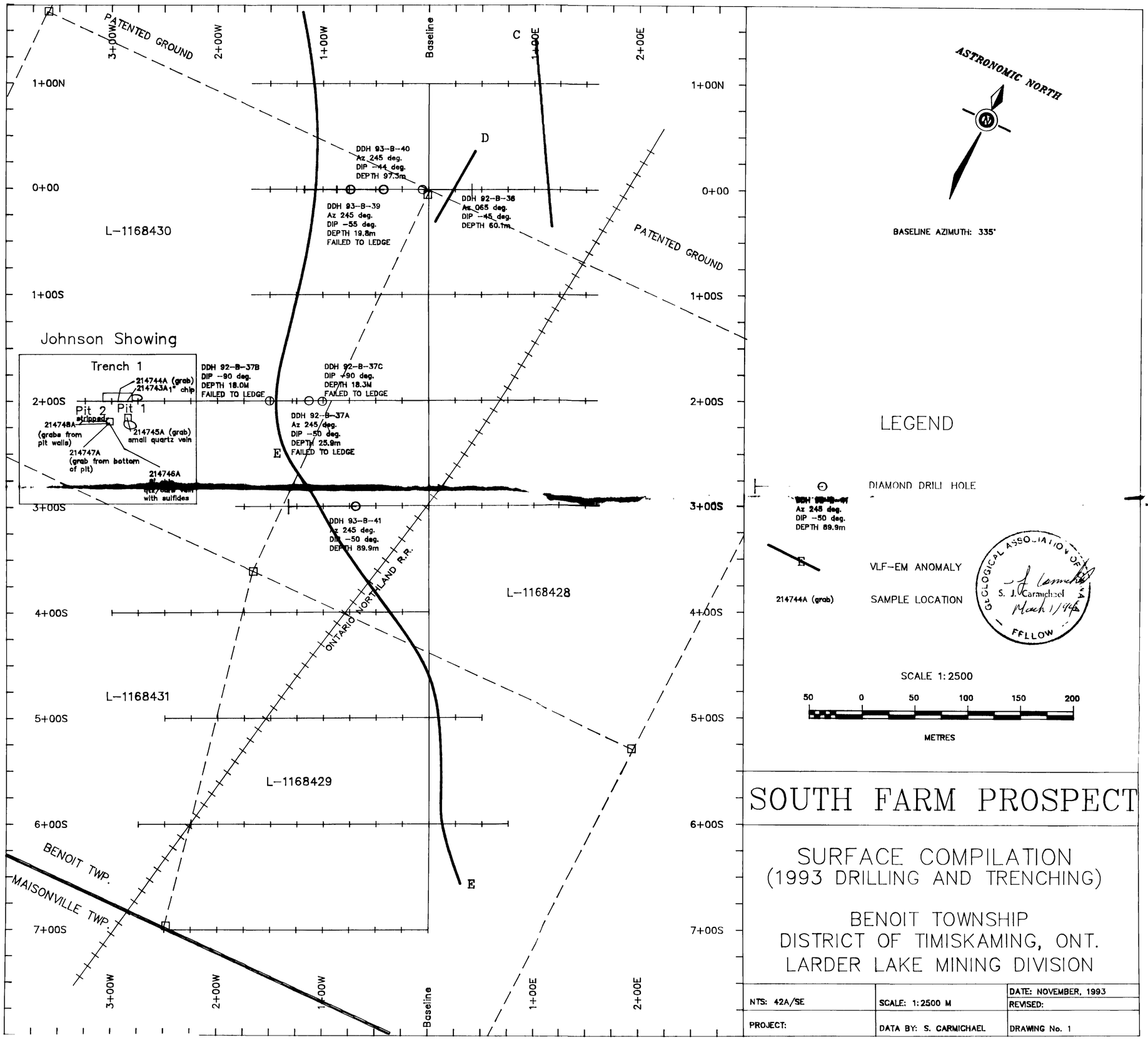
Geological and geophysical maps and reports of mining companies.

Base map derived from maps of the Forest Resources Inventory of the Ontario Dept. Lands and Forests, with revisions by Howard Lovell.

Drafting by John Ramsden, 1965.

Issued 1966.

200



ASTRONOMIC NORTH

BASELINE AZIMUTH: 335°

LEGEND

DIAMOND DRILL HOLE

DDH 93-B-41
Az 245 deg.
DIP -50 deg.
DEPTH 89.9m

E

VLF-EM ANOMALY

214744A (grab)

SAMPLE LOCATION

GEOLOGICAL ASSOCIATION OF CANADA
S. J. Carmichael
March 1/94
FELLOW

SCALE 1: 2500

50 0 50 100 150 200

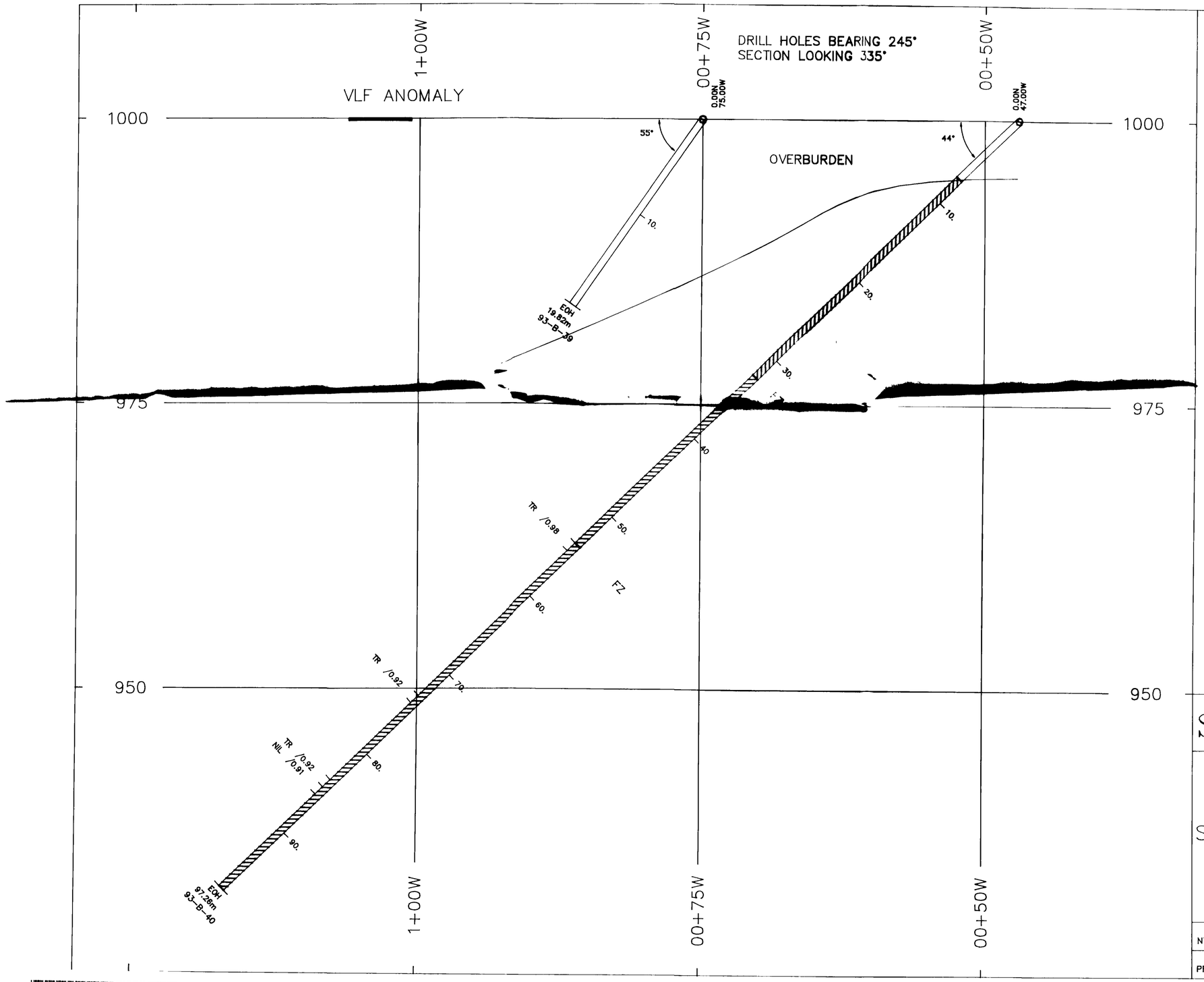
METRES

SOUTH FARM PROSPECT

SURFACE COMPILATION
(1993 DRILLING AND TRENCHING)

BENOIT TOWNSHIP
DISTRICT OF TIMISKAMING, ONT.
LARDER LAKE MINING DIVISION

NTS: 42A/SE	SCALE: 1:2500 M	DATE: NOVEMBER, 1993
		REVISED:
PROJECT:	DATA BY: S. CARMICHAEL	DRAWING No. 1



LEGEND

CASE CASING

ROCK CODES

VOLCANIC UNITS

BASALT

PILLOWED BASALT

FLOW TOP BRECCIA

CARBONATED BASALT

MINERALIZED ZONE

FZ FAULT ZONE

INTRUSIVES

DIABASE DIKE

GEOLOGICAL ASSOCIATION OF CANADA
S. J. Carmichael
March 1/94
FELLOW

SCALE 1:250

5 0 5 10 15 20

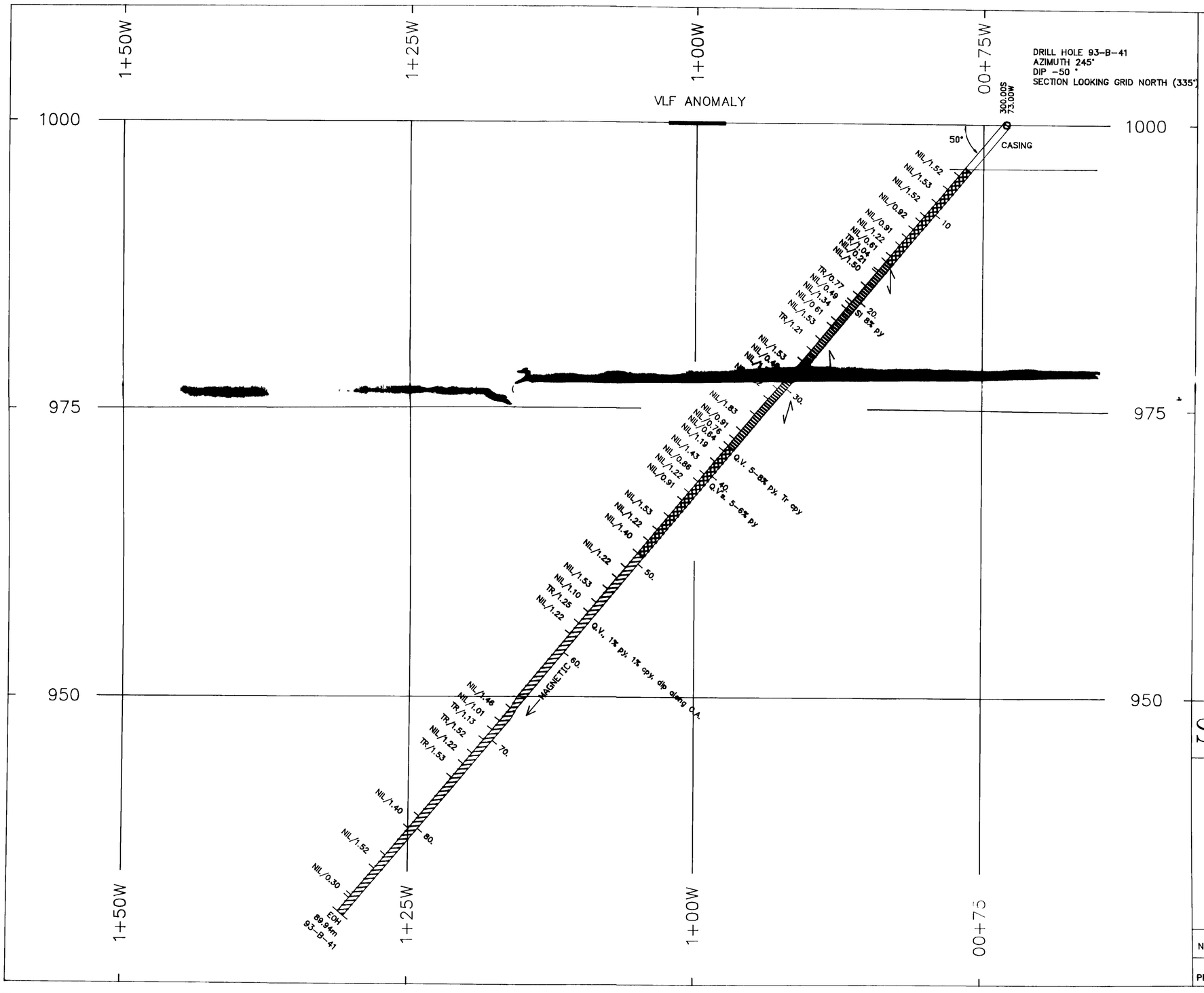
METRES

SOUTH FARM PROSPECT

DRILL HOLE SECTION 0+00(WEST)
DRILL HOLES 93-B-39,40
SECTION LOOKING GRID NORTH (335°)

BENOIT TOWNSHIP
DISTRICT OF COCHRANE, ONT.
LARDER LAKE MINING DIVISION

NTS: 42 A/SW	SCALE: 1:250 METRIC	REVISED: DATE OCT., 1993
PROJECT:	DRAWN BY: S.J.C.	DRAWING No. 3



LEGEND

CASE CASING

ROCK CODES

VOLCANIC UNITS

- BASALT
- PILLOWED BASALT
- FLOW TOP BRECCIA
- CARBONATED BASALT
- MINERALIZED ZONE

FZ FAULT ZONE

INTRUSIVES

- DIABASE DIKE

foliation

Q.V. Quartz Vein

py pyrite

SI silicified

All Assays Are In oz/ton/meters

GEOLOGICAL ASSOCIATION OF CANADA
S. J. Campbell
March 1/94
FELLOW

SCALE 1: 250

5 0 5 10 15 20

METRES

SOUTH FARM PROSPECT

DRILL HOLE SECTION 3+00S
DRILL HOLE 93-B-41
SECTION LOOKING 335°

BENOIT TOWNSHIP
DISTRICT OF COCHRANE, ONT.
LARDER LAKE MINING DIVISION

NTS: 42 A/SW	SCALE: 1:250 METRIC	REVISED: DATE: OCT., 1993
PROJECT:	DRAWN BY: S.J.C.	DRAWING No. 2