

DIAMOND DRILLING



42C08SW0054 35 JACOBSON

010

Township: Jacobson

Report No: 35

WORK PERFORMED FOR: Esso Resources Canada Ltd.

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER []

<u>CLAIM NO.</u>	<u>HOLE NO.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
SSM 647064	86-27	87.5m	Sept/86	(1)
SSM 647065	86-28	84.1m	Sept/86	(1)(2)
	86-29	87.2m	Sept/86	(1)
		<u>258.8m</u>		

NOTES: (1) #145-86 (filed in May/87)

(2) DDH 86-28 lengthened to 130.50 m, renamed DDH 87-28;
see TORONTO file #63.5089, OM87-7-C-39, Aug. 1989

DRILL CORE SAMPLE RECORD

HOLE NO 86-27

PROSPECT: MARKES (CLINE OPTION 16-82)

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SAMPLE NO	LENGTH	FROM	TO	REC.	RESULTS						
					Au						
	m	m	m	m	ppm						
348	.31	56.69	57.00	.31	tr						
349	.73	57.00	57.73	.73	tr						
350	.74	57.73	58.47	.74	tr						

ONTARIO GEOLOGICAL SURVEY
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DRILL CORE DESCRIPTION

HOLE NO

86-27

PROSPECT: MARKES (CLINE OPTION 16-82)		page 1/1
INTERVAL	DESCRIPTION	
metres		
0.0 to 5.94	Overburden and Setup	
to 9.58	Diorite	
	few blue quartz eyes	
to 15.95	Mafic Dyke	
	massive with chilled margins	
to 18.77	Diorite	
to 42.67	Quartz Feldspar Porphyry	
to 57.00	Mafic Volcanics	
	massive to 48.75 pillowed below	
	pillow breccia at 56.69 - 57.00	
	shear with quartz veinlets at 42.88 - 43.13	
to 70.10	Quartz Porphyry	
	weak shearing with tourmaline and	
	quartz veinlets at 57.00 - 58.47	
to 78.33	Felsite	
	contains some small quartz eyes which	
	are shattered with calcite fill	
to 79.55	Quartz Feldspar Porphyry	
to 79.86	Lamprophyre	
	contains biotite phenocrysts	
to 87.48	Diabase	
	top contact is brecciated	
87.48	end of hole	

AMOND DRILL HOLE SUMMARY

HOLE NO 86-27

PROSPECT: MARKIES (CLINE OPTION 16-82)

NTS 42C/B

COLLAR INFORMATION: Coordinates; D+04.7 N O+80.0 E metres
Azimuth; 190° Dip; -70° Elevation; -4.0 m Claim No; 647064

DRILLING RECORD; Contractor; Heath and Sherwood Drilling
Machine Type; HS-10A Core Size BQ
Starting Date; 07/09/86 Incidents;

Finishing Date; 08/09/86

Depth; 87.5 m Material Left in Hole; 17 ft BW Casing and Shoe

DEVIATION TEST READINGS: Sperry-Sun Single Shot

at 86.0, 2.5° SW, 20° ; at 64.6, 2.5° SW, 20° ; at 43.3, 2.0° SW, 19° ;at 22.0, 2.0° SW, 19°

GEOLOGICAL SUMMARY:

5.94 - 18.77 Diorite with early mafic dyke

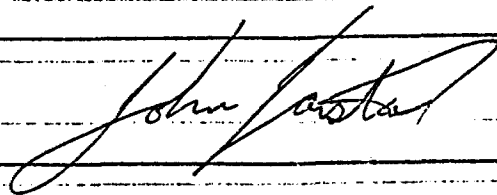
18.77 - 42.67 Quartz Feldspar Porphyry

42.67 - 57.00 Mafic Volcanics

57.00 - 79.55 Quartz Feldspar Porphyry and Felsite

79.55 - 87.48 Diabase and Amphophyre

LOGGED BY: John Farstad



REMARKS:

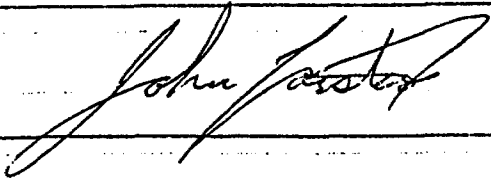
PROSPECT: MARKES (CLINE OPTION 16-82)

page 1/1

SAMPLE NO	LENGTH	FROM	TO	REC.	RESULTS						
					Au						
	m	m	m	m	ppm						
351	.87	18.03	18.90	.87	tr						
353	.31	36.88	37.19	.31	tr						
354	.40	37.19	37.49	.40	tr						
355	.61	59.59	60.20	.61	tr						
356	.76	60.20	60.96	.76	.34						
357	.76	60.96	61.72	.76	tr						
358	.76	61.72	62.48	.76	.34						
359	.46	62.48	62.94	.46	tr						
360	.46	62.94	63.40	.46	tr						
361	.48	63.40	63.88	.48	.34						
362	.23	63.88	64.11	.23	6.17						
363	1.04	64.11	65.15	.74	tr						
364	.69	65.15	65.84	.69	tr						
365	.76	65.84	66.60	.76	tr						
366	.76	66.60	67.36	.76	tr						
367	.76	67.36	68.12	.76	tr						
368	.76	68.12	68.88	.76	.34						
369	.77	68.88	69.65	.77	tr						
370	.76	69.65	70.41	.76	tr						

PROSPECT: MARKES (CLINE OPTION 16-82)		page 1/2
INTERVAL	DESCRIPTION	
metres		
0.0 to 6.40	Overburden and Setup	
to 18.03	Mafic Volcanics pillow margins evident and calcite amygdules present	
	white quartz vein at 17.93 - 18.03	
to 18.90	Chert brecciated sugary textured quartz bands with pyrrhotite alternating with chlorite bands trace pyrite	
to 26.24	Mafic Volcanics amygdules of calcite and pillow margins some pyrrhotite at pillow margins	
to 27.00	Feldspar Porphyry	
to 34.49	Mafic Volcanics	
to 37.18	as above	
to 37.18	Quartz Porphyry bottom contact sheared with tourmaline	
to 60.20	Mafic Volcanics as above	
to 70.41	Mafic Volcanics locally intense carbonate with pyrite sheared with tourmaline and quartz veinlets at 63.88 - 64.14, 70.27 intense carbonate with magnetite at 65.19 - 65.84	

DIAMOND DRILL HOLE SUMMARY HOLE NO 86-28

PROSPECT: MARKES (CLINE OPTION 1682)	NTS 42C/B
COLLAR INFORMATION: Coordinates 0+28.1 N 2+80.0 E metres Azimuth; 190° Dip; -60° Elevation; ~ -5 m Claim No; 647065	
DRILLING RECORD; Contractor; Heath and Sherwood Drilling Machine Type; H.S.-10A Core Size; BQ Starting Date; 09/09/86 Incidents; Finishing Date; 10/09/86 Depth; 84.1 Material Left in Hole; 21 ft BW Casing and Shoe	
DEVIATION TEST READINGS: Sperry-Sun Single Shot at 82.6, 2.0° SW, 33°; at 61.3, 3.0° SW, 32°; at 39.9, 2.5° SW, 32° at 18.6, 1.0° SW, 31°	
GEOLOGICAL SUMMARY: 6.40 - 60.20 Mafic Volcanics with Quartz Feldspar Porphyry Dykes 60.20 - 70.41 Carbonatized Mafic Volcanics 70.41 - 84.12 Mafic Volcanics with Quartz Feldspar Porphyry Dykes	
LOGGED BY: John Farstad 	
REMARKS:	

DRILL CORE SAMPLE RECORD

HOLE NO 86-29

PROSPECT: MARKIES (CLINE OPTION 16-82)

page 1/1

SAMPLE NO	LENGTH	FROM	TO	REC	RESULTS						
					Au						
	m	m	m	m	ppm						
371	.46	14.48	14.94	.46	.34						
372	.40	30.84	31.24	.40	tr						
373	.46	58.57	59.03	.46	tr						
374	.36	59.03	59.39	.36	.34						
375	.35	59.39	59.74	.35	.34						
376	.36	65.38	65.74	.36	tr						
377	.40	65.74	66.14	.40	tr						
378	.76	66.14	66.90	.76	tr						
379	.77	66.90	67.67	.77	tr						
380	.76	67.67	68.43	.76	tr						
381	.76	68.43	69.19	.76	tr						
382	.76	69.19	69.95	.76	.34						
383	.79	69.95	70.74	.79	tr						
384	.25	70.74	70.99	.25	tr						
385	.49	70.99	71.48	.49	tr						

DRILL CORE DESCRIPTION

HOLE NO 86-29

PROSPECT: MARKES (CLINE OPTION 16-82)		page 2/2
INTERVAL	DESCRIPTION	
metres to 66.14	continued	
	white quartz vein at 64.93 - 65.38	
to 87.14	Mafic Volcanics	
	pillow margins and calcite amygdules	
	slight carbonate with trace pyrite	
	and thin shears with tourmaline	
	to 70.99	
	locally magnetite with carbonate	
87.14	end of hole	

DRILL CORE DESCRIPTION

HOLE NO 86 - 29

PROSPECT: MARKES (CLINE OPTION 16-82)

page 1/2

INTERVAL	DESCRIPTION
metres	
D.D to 2.13	Overburden and Setup
to 12.70	Quartz Porphyry
to 14.48	Mafic Volcanics
	calcite amygdules
to 14.94	Chert
	brecciated bands of sugary textured quartz with pyrrhotite alternating with chlorite bands
to 24.56	Mafic Volcanics
	pillow margins evident
to 30.23	Quartz Porphyry
to 30.94	Mafic Volcanics
to 31.14	Quartz Porphyry
	top contact sheared with tourmaline and quartz veinlets
to 63.50	Mafic Volcanics
	brecciated with shearing containing tourmaline and quartz veinlets at 59.03 - 59.39.
	weak carbonate at 59.39 - 59.74
	white quartz vein at 62.79 - 63.50
to 66.14	Quartz Porphyry
	some sections with feldspar phenocrysts sheared with quartz veinlets and some tourmaline and pyrite at 65.74 - 66.14

DIAMOND DRILL HOLE SUMMARY

HOLE NO 86-29

PROSPECT: MARKES (CLINE OPTION 16-82)

NTS 42C/8

COLLAR INFORMATION: Coordinates; Q+40.0 N 3+78.0 E metres
Azimuth; 190° Dip; -60° Elevation; ~ -5.5 m Claim No; 647065

DRILLING RECORD: Contractor; Heath and Sherwood Drilling

Machine Type; HS-10A Core Size; BQ

Starting Date; 10/09/86 Incidents;

Finishing Date; 11/09/86

Depth; 87.2 m Material Left in Hole; 5 ft BW Casing and Shoe

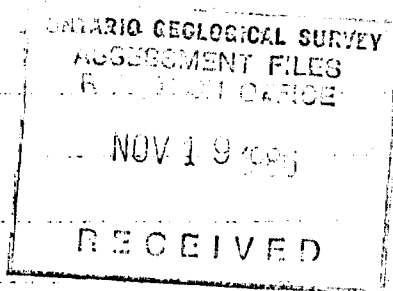
DEVIATION TEST READINGS: Sperry-Sun Single Shot
at 85.7, 3.0° SW, 34°; at 64.3, 3.0° SW, 32°; at 43.0, 3.0° SW, 31°
at 21.6, 2.0° SW, 30°

GEOLOGICAL SUMMARY:

2.13 - 66.14 Mafic Volcanics with Quartz Feldspar
Porphyry Dykes

66.14 - 70.99 Carbonatized Mafic Volcanics

70.99 - 87.14 Mafic Volcanics



LOGGED BY: John Farstad

REMARKS:



Ministry of
Natural Resources

Report
of Work

#145-86.



42C88SW0054 35 JACOBSON

The Mining

900

Name and Postal Address of Recorded Holder

ESSO RESOURCES CANADA LIMITED

Inspector's License No.

T. 872

120 Adelaide St. W., P.O. Box 4029 Ste A TORONTO ONT M5W 1K3

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
849 ✓	SSM	647 055	60	SSM	647 063	60	SSM	885 027	20
For Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey		647 056	60		647 064	52 3/4			
		647 057	60		647 065	52 3/4			
		647 058	60		647 066	60			
		647 059	60		827 515	41 3/4			
		647 060	60		827 517	41 3/4			
		647 061	60		885 025	20			
		647 062	60		885 026	20			

All the work was performed on Mining Claim(s):

SSM 647064 (287), 647065 (506 3/4), 827517 (55 3/4)

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

JACOBSON TWP.

Diamond Drilling done by Heath and Sherwood Drilling
 34 Duncan Ave. N., P.O. Box 998
 Kirkland Lake, Ont. P2N 3L3
 during period September 7th, 1986 to September 11th, 1986

ONTARIO GEOLOGICAL SURVEY
RESEARCH OFFICE

NOV 19 1986

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SAULT STE. MARIE
MINING DIV.
RECEIVED
OCT 27 1986
A.M. P.M.
7 8 9 10 11 12 1 2 3 4 5 6

Date of Report

14/10/1986

Recorded Holder or Agent Signature

John Farstad

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying

John Farstad 21 Annprior Road Scarborough Ontario

Date Certified

14/10/1986

Certified by (Signature)

John Farstad

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific Information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		



50 metres

claim SSM 647065

DDH 86-29

DDH 86-28

228.5 m @ 086°

base line 0+00 @ 100°

DDH 86-27

128.5 m @ 315°

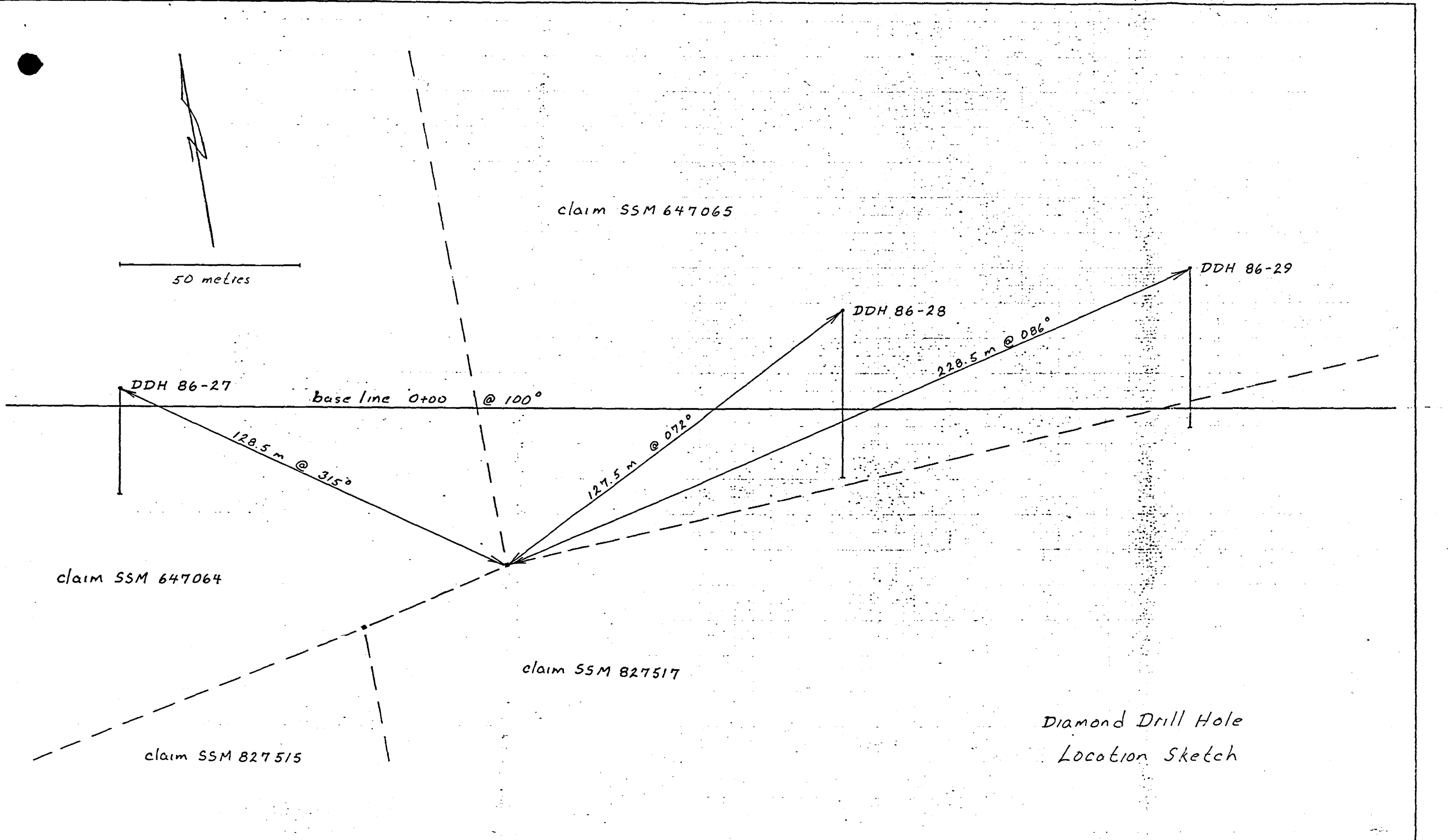
127.5 m @ 072°

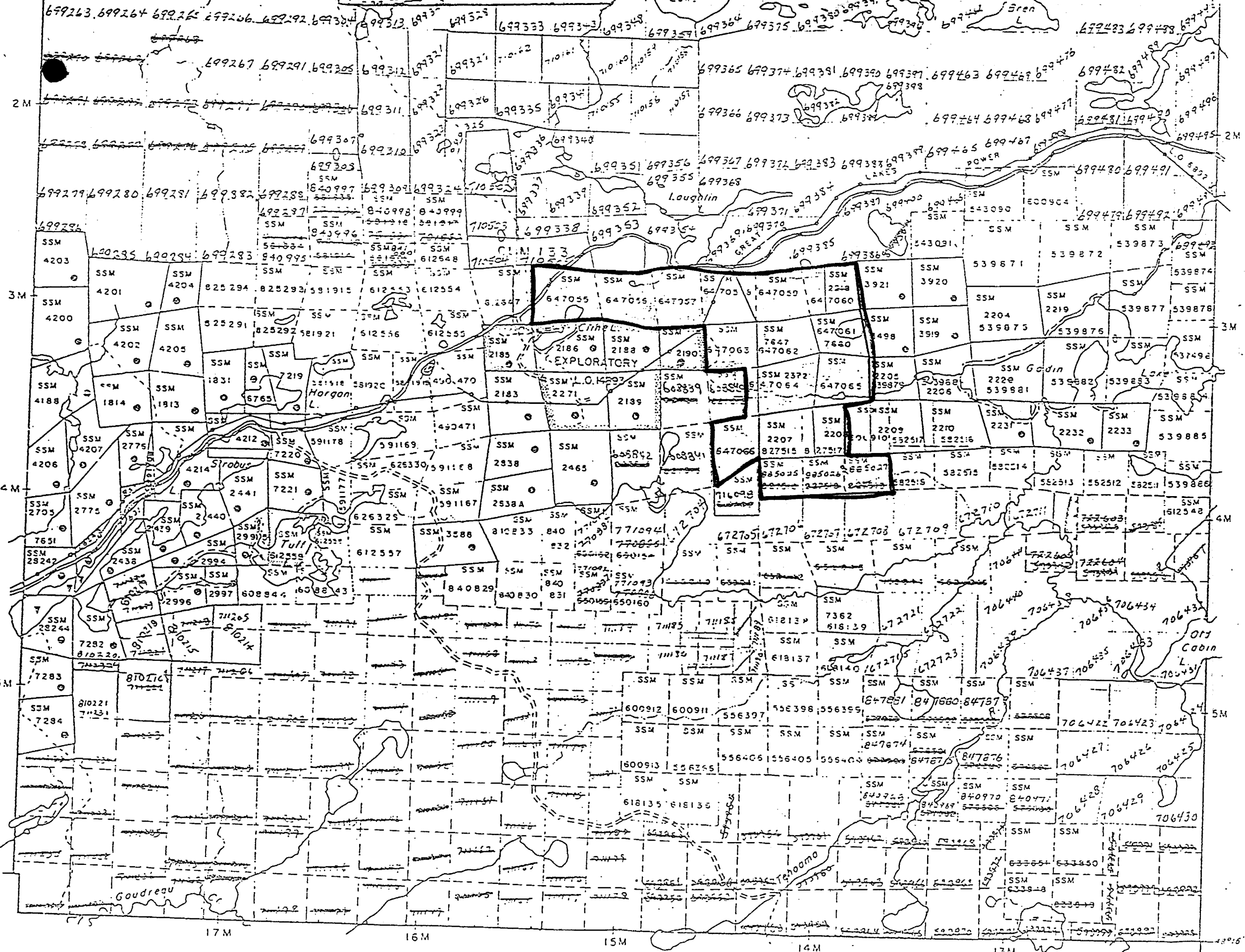
claim SSM 647064

claim SSM 827517

claim SSM 827515

Diamond Drill Hole
Location Sketch





RIGGS TP. M 1582

Figure No 1
 Part of
 CLAIM MAP
 M. 1583
 Jacobson Twp.
 1:15840