MAR 19780001: FALLING SAND POINT

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19780001

URANERZ EXPLORATION AND MINING LTD.

YEARLY REPORT FEBRUARY 1978

QUARTZ MINERAL EXPLORATION PERMITS

#189 and #190 ALBERTA

THIEL/RICH/HARMESON

19780001

URANERZ EXPLORATION AND MINING LTD.

YEARLY REPORT

FEBRUARY 1978

QUARTZ MINERAL EXPLORATION PERMITS

NO. 189 and 190 ALBERTA

DR. K. LEHNERT-THIEL
JOHN RICH
BRUCE HARMESON
LA RONGE, SASKATCHEWAN

UEM La Ronge	Assessment Work File Alberta	Permit: 189 Project: 71-41

Date	Description of Work - Men On Job	Ref. No. Of Record	Credit $
1977			
July 14	prospecting, [redacted] T-9-1		450.
July 14	prospecting, [redacted] T-9-2		450.
July 14	prospecting, [redacted] T-9-2a		300.
July 14	prospecting, [redacted] T-9-3		300.
July 15	prospecting, [redacted] T-9-8		300.
July 15	prospecting, [redacted] T-9-4		300.
July 15	prospecting, [redacted] T-9-5	Refer to Map #1 (A and B) plus prospecting field overlays contained in Appendix	300.
July 15	prospecting, [redacted] T-9-6		450.
July 15	prospecting, [redacted] T-9-7		450.
July 16	prospecting, [redacted] T-9-9		300.
July 16	prospecting, [redacted] T-9-10		450.
July 17	prospecting, [redacted] T-9-11		300.
July 17	prospecting, [redacted] T-9-12		450.
July 19	prospecting, [redacted] T-9-13		450.
July 20	prospecting, [redacted] T-9-14		450.
July 21	prospecting, [redacted] T-9-15		450.
July 24	prospecting, [redacted] T-9-16		450.
July 24	prospecting, [redacted] T-9-17		300.
July 24	prospecting, [redacted] T-9-18		300.
July 27	prospecting, [redacted] T-9-19		300.
July 27	prospecting, [redacted] T-9-20		300.
July 28	prospecting, [redacted] T-9-21		300.
July 28	prospecting, [redacted] T-9-22		450.
July 29	prospecting, [redacted] T-9-23		300.
July 29	prospecting, [redacted] T-9-24		450.
July 30	prospecting, [redacted] T-9-25		450.
July 31	prospecting, [redacted] T-9-26		450.
July 31	prospecting, [redacted] T-9-27		300.
Aug. 1	prospecting, [redacted] T-9-28		300.
Aug. 1	prospecting, [redacted] T-9-29		300.
Aug. 2	prospecting, [redacted] T-9-30		300.
Aug. 2	prospecting, [redacted] T-9-31		300.
Aug. 5	prospecting, [redacted]		
	[redacted] T-9-32		750.
Aug. 9	prospecting, [redacted] T-9-34		450.

UEM La Ronge	Assessment Work File Alberta	Permit: 189 Project: 71-41

Date	Description of Work - Men On Job	Ref. No. Of Record	Credit $
1977			
Aug. 9	prospecting, [redacted] T-9-35		300.
Aug.10	prospecting, [redacted] T-9-36		450.
Aug.10	prospecting, [redacted] T-9-37		300.
Aug.11	prospecting, [redacted] T-9-38		300.
Aug.12	prospecting, [redacted] T-9-40		450.
Aug.12	prospecting, [redacted] T-9-41		300.
Aug.13	prospecting, [redacted] T-9-42		450.
Aug.13	prospecting, [redacted] T-9-43		300.
Aug.19	prospecting, [redacted] T-9-44		300.
May	Lake water and sediment sampling	maps #	
1977	Samples taken from helicopter	2 & 3	
	21 water samples analysed for uranium and nickel		
	15 sediment samples analysed for uranium only		
	15 combined samples		2,250.
	6 water only		600.
	Sub total		18,900.
	+ 10% overheads		1,890.
	Total		20,790.

UEM La Ronge	Assessment Work File 1977 Alberta	Permit: 190 Project: 71-41

Date	Description of Work - Men On Job	Ref. No. Of Record	Credit $
July 14	prospecting, [redacted] T-0-1		300.
July 19	prospecting, [redacted] T-0-2		300.
July 20	prospecting, [redacted] T-0-3		300.
July 20	prospecting, [redacted] T-0-4		450.
July 21	prospecting, [redacted] T-0-5		450.
July 21	prospecting, [redacted] T-0-6		300.
July 23	prospecting, [redacted] T-0-7		300.
July 23	prospecting, [redacted] T-0-8		450.
July 30	prospecting, [redacted] T-0-9		300.
Aug. 9	prospecting, [redacted] T-0-10		300.
Aug. 9	prospecting, [redacted] T-0-11		450.
Aug.10	prospecting, [redacted] T-0-12		300.
Aug.10	prospecting, [redacted] T-0-13		300.
Aug.11	prospecting, [redacted] T-0-14		300.
Aug.11	prospecting, [redacted] T-0-15		300.
Aug.12	prospecting, [redacted] T-0-16		300.
Aug.12	prospecting, [redacted] T-0-17		300.
Aug.13	prospecting, [redacted] T-0-18		300.
Aug.13	prospecting, [redacted] T-0-19		300.
Aug.14	prospecting, [redacted] T-0-20		300.
Aug.14	prospecting, [redacted] T-0-21		300.
Aug.15	prospecting, [redacted] T-0-22		300.
Aug.15	prospecting, [redacted] T-0-23		300.
Aug.16	prospecting, [redacted] T-0-24		300.
Aug.16	prospecting, [redacted] T-0-25		300.
Aug.17	prospecting, [redacted] T-0-26		300.
Aug.18	prospecting, [redacted] T-0-29		300.
Aug.17	prospecting, [redacted] T-0-27		300.
Aug.18	prospecting, [redacted] T-0-28		300.
Aug.19	prospecting, [redacted] T-0-30		300.
May	Lake water sampling - samples taken from helicopter	maps #	
1977	3 water samples analysed for uranium and nickel	2 & 3	300.
	Sub total		9,900.
	+ 10% overheads		990.
	Total		10,890.

LIST OF MAPS

1. INTRODUCTION

1.1 AREA OF INVESTIGATION

Target of investigation was the northwest rim of the Athabasca sandstone basin between Falling Sand Point and the Saskatchewan - Alberta boundary.

1.2 PURPOSE OF INVESTIGATION

To locate uranium deposits of supergene or hypogene origin associated with the Helikian unconformity.

1.3 TIME OF INVESTIGATION

January to April inclusive 1977
May to August inclusive 1977

1.4 PERSONNEL

The following Uranerz personnel were employed in the field during 1977:

Dr. W. Kretschmar	project geologist	February 4 - March 31
Bruce Harmeson	junior geologist	January 11 - March 31
Gordon Chu	junior geologist	January 11 - March 31
Phillip Stenne	linecutting fore.	January 6 - March 31
Norman Charles	camp supervisor	January 19 - February 22 March - March 31
Wayne Holmstead	geophysical opr.	January 11 - February 18
Harald Wolf	geophysical opr.	January 23 - March 31
Mike Fanton	geophysical opr. (on contract)	February 7 - February 20

Ed Rockel	senior geophysicist	January 19 - January 24
		February 14 - February 16
Gordon Bryant	project geophys.	February 14 - February 16
		March 2 - March 9
Frank Murphy	Cook	January 11 - February 2
Randy Kyle	cook	February 2 - March 19
Stan Cook	linecutter	January 17 - January 29
Dennis McLeod	linecutter	January 17 - January 29
Charlie Roberts	linecutter	January 25 - January 29
Horace McLeod	linecutter	January 25 - January 29

<u>May - August</u>

Bruce Harmeson	project geologist	May - August
C. Gregg	cook	
G. Roberts	prospector	July 14 - August 19
W. McLeod	prospector	July 14 - August 19
S. McLeod	prospector	July 14 - August 19
I. Charles	prospector	July 14 - August 19
T. Miterick	prospector	July 14 - August 19
H. McLeod	prospector	July 14 - August 19
O. McLeod	prospector	July 14 - August 19
D. McLeod	prospector	July 14 - August 19
N. Charles	prospector	July 14 - August 19
W. Roberts	prospector	July 14 - August 19
S. Roberts	prospector	July 14 - August 19
P. Charles	prospector	July 14 - August 19

1.5 INSTRUMENTS

1 transit
2 magnetometers (Geometrics G-816)
1 magnetometer (Geometrics G-826)
12 scintillometers (SRAT SPP-2)
1 lake sediment dredge (Ekman standard)

1.6 AIRCRAFT

Fixed wing aircraft from Uranium City were used for mobilization and logistic purposes. A G-4A helicopter chartered from Athabasca Airways, Prince Albert, Saskatchewan, was used to provide crew transport within the survey area.

2. GENERAL INFORMATION

2.1 LOCALITY

The area of investigation comprises 80.29 square kilometres, centred approximately at:

Permit 189: latitude 59° 18' N
longitude 110° 05' W

Permit 190: latitude 59° 14' N
longitude 110° 10' W

2.2 COMMUNICATION AND ACCESS

During the summer months, boats and float equipped aircraft provide ready access. During the winter, ski equipped aircraft and snowmobiles can be used. Heavy freight and supplies can be transported to the area via various barge services which connect Lake Athabasca to the rail head at Fort McMurray, Alberta.

Single side band tranceivers provide radio communication with the operational base in Uranium City.

2.3 TOPOGRAPHY

Lake Athabasca has an elevation of 700 feet above sea level. The country is rugged except for the region along the shoreline which is covered by sand plains, raised beaches and swamps.

2.4 CLIMATE

The climate is extreme continental with temperatures in winter to -60° C and $+30^{\circ}$ C in summer.

2.5 VEGETATION

Jackpine and spruce are abundant.

2.6 POPULATION AND LAND USE

No settlements are located within the area of investigation.

2.7 WATER RESOURCES

Lake Athabasca plus numerous inland lakes are adequate for float plane operations, drinking water and diamond drilling operations.

2.8 MAGNETIC DEVIATION

The magnetic deviation is 26° east.

3. PREVIOUS SURVEYS AND ACTIVITIES

3.1 TOPOGRAPHIC MAPPING

The area is covered by National Topographic System sheet 74 L
Fort Chipewyan
Scale 1:250,000

Airphotos may be obtained from the Alberta Research Council in Edmonton, Alberta. Photos covering permits 189 and 190 include:

A - 15163 - 4
- 5
- 6
A - 15166 - 55
- 56

3.2 GEOLOGICAL MAPPING

Alberta -

G.S.C. Map 12 - 1960, Fort Fitzgerald

J.D. Godfrey 1959, Aerial Photographic Interpretation of Precambrian Structures of Lake Athabasca.
Research Council of Alberta, Geology Division, Bulletin 1.

3.3 GEOPHYSICAL SURVEY

The area is covered by aeromagnetic maps 1:63,360, surveyed by Canadian Aero Service Ltd., in 1961, as part of the Federal Provincial program for aeromagnetic coverage of the Precambrian Shield. The lines were flown at an altitude of 1,000 feet at half mile intervals.

3.4 ASSESSMENT WORK

The area of investigation was subject to repeated exploration work starting in the early fifties. Very little positive information can be gathered from the old files, the only important one being the report on the uranium mineralized float found near Fidler Point, Alberta.

Two assessment submissions covering these permits, dated April 1976 and April 1977, have been submitted to the Alberta government by Uranerz Exploration and Mining Ltd.

4. TENURE POSSIBILITIES

According to the mineral regulations in Alberta quartz, mineral permits and claims can be acquired at the present time.

Permits 189 and 190 were held under joint venture disposition during 1977 with the following participation:

Saskatchewan Mining and Development Corp.	33 1/3%
Inexco	33 1/3%
Uranerz Exploration and Mining Ltd.	33 1/3%

5. GENERAL GEOLOGY

Rocks underlying the area of investigation belong to the Churchill Structural Province which contains a wide variety of Precambrian units. Detailed investigations by the Saskatchewan Geological Survey around the south rim of the Athabasca sandstone have shown the existence of a number of distinct structural domains of Aphebian age. Located on the very west side of Saskatchewan, the Clearwater domain is felt to represent an Hudsonian mobile belt. During the Lower Proterozoic (Aphebian), sediments derived from bordering Archean uplands were deposited and subjected to deformation and metamorphism during the Hudsonian orogenesis. Present evidence indicates that the Clearwater domain may extend north along the Alberta-Saskatchewan boundary covering the area of permits 189 and 190 and north into the Northwest Territories.

Extensive peneplaination of the supracrustal and basement complexes in late Aphebian times preceded the deposition of the Athabasca sandstone. This sequence of sandstones and conglomerates has remained virtually undisturbed for 1350 million years. Both pre-and post-Athabasca faulting have been recognized.

A report on the geology of northeastern Alberta by G. Godfrey is expected shortly. This report should encompass the most recent ideas and information regarding the geology of this area.

6. TARGETS

Unconformity, vein type deposits are our prime exploration goal. In the past decade significant deposits of this type have been located around the edge of the Athabasca basin. Maurice Bay, located 20 kilometres to the northeast is the closest deposit of this type.

7. INVESTIGATIONS

Linecutting - Map #1

Permit 189:	174 kilometres cut and chained
Permit 190:	92 kilometres cut and chained

Base lines were cut 1 kilometre apart and crosslines every 200 metres. All lines are chained at 50 metre intervals.

Ground Magnetics - Map #1

Permit 189: 118.5 kilometres surveyed
Permit 190: 62.8 kilometres surveyed

Station readings were taken every 25 metres. No anomalous magnetic responses were detected.

Prospecting - Map #1

Permit 189: 42 ground traverses completed
Permit 190: 30 ground traverses completed

Acetate overlays on airphotos, copies of which are appended, were used for ground control. Average airphoto scale is 1:37,500. Traverses may be made by anywhere from one to five men who spread themselves out along the traverse line. Scintillometers are swept in an arc in front of the operator allowing detection of radio active boulders buried at depths of up to 0.5 metre.

Prospecting Results

Permit 189: a total of 15 uraniferous sandstone boulders were located ranging from 300 cps to 3700 cps on the scintillometer.

Permit 190: a total of 9 uraniferous sandstone boulders were located ranging from 150 cps to 2500 cps on the scintillometer.

Map #1 is a compilation of all uraniferous boulders found to date 1975-77.

Geochemical Survey - Maps #2 and #3

Permit 189:	21 water	15 sediment
Permit 190:	3 water	no sediments

Water samples were analysed for uranium and nickel, sediments for uranium only.

Samples were collected by helicopter using an Ekman dredge. The Ekman retains virtually all organic ooze in the sample.

No anomalous values were indicated. The geochemical laboratory reports are appended.

8. ASSESSMENT OF POTENTIAL

The potential for locating additional deposits of the Maurice Bay type is excellent. On the basis of prospecting to date, at least two uraniferous boulder sources are postulated near Falling Sand Point and two near Goose Bay.

Drilling at Falling Sand is planned in 1978.

A P P E N D I X

Permit 189 & 190

19780001

APPENDIX

Permit #189 and #190

1. Prospecting Airphoto Field Overlays
   Permit 189, Traverse No. 9-1 to 9-44
   Permit 190, Traverse No. 0-1 to 0-30

2. Bondar-Clegg and Company Ltd.
   Geochemical Laboratory Report
   Lake Water and Sediment Samples

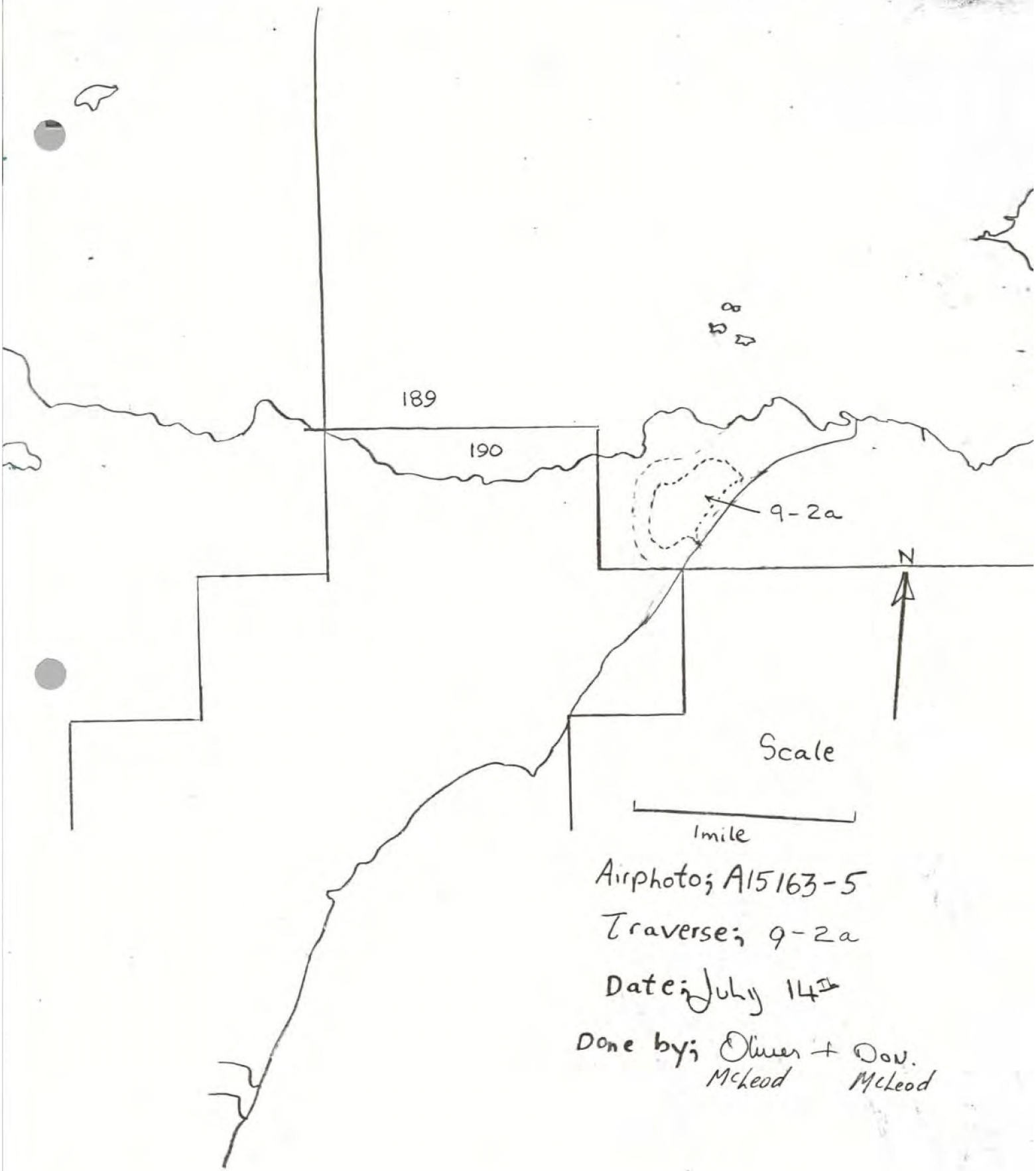
Airphoto A15163-4

Traverse 9-1

Date July 14/77

Done by Gordon Roberts, Wally McLeod & Stanley McLeod

Airphoto A15163-4
Traverse 9-2
Date. July 14 1??
Done by Isaac Charles
25 Tom Milenick - 1 -> 3,100
26 Harry McLeod - 1 -> 5,000

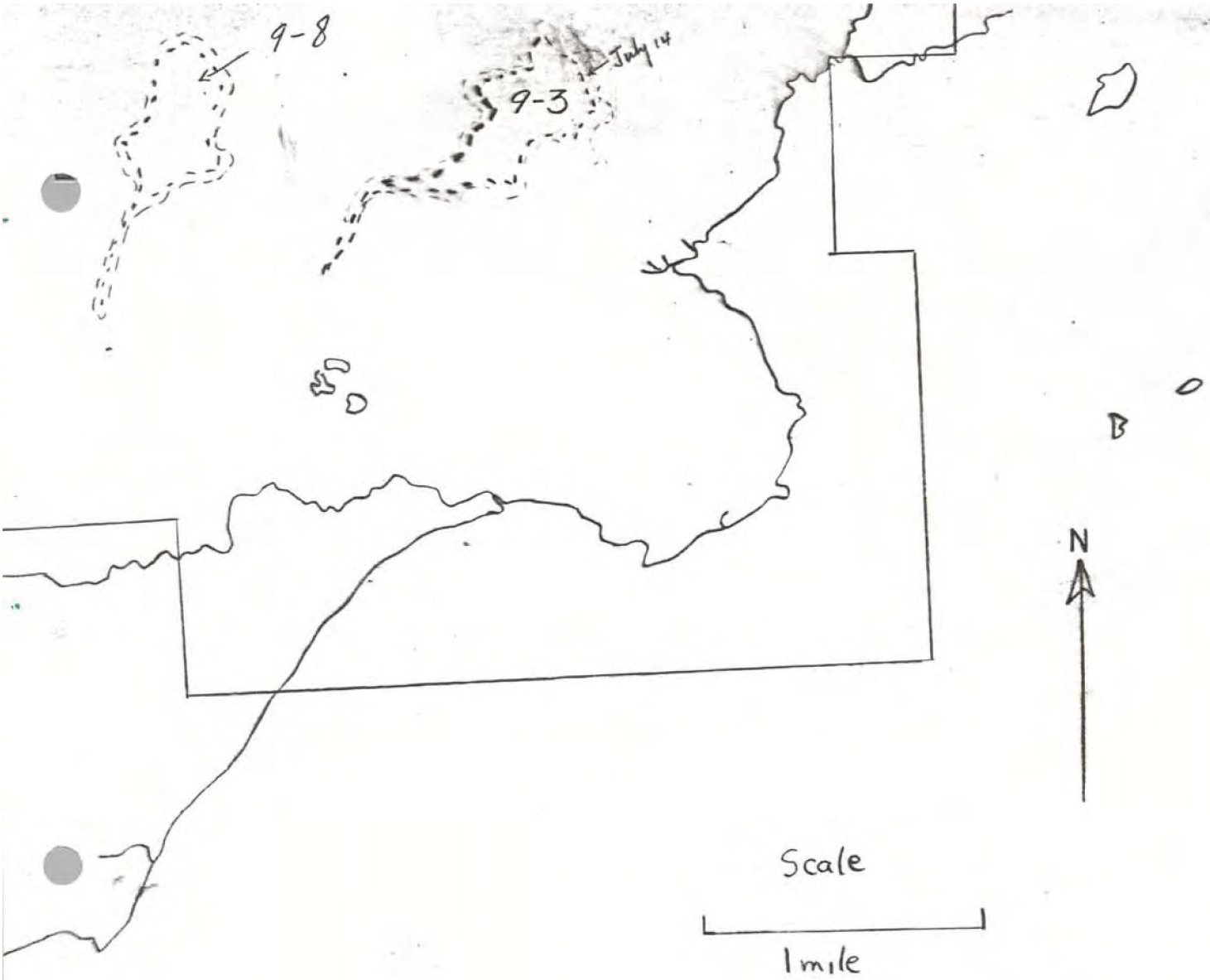


Airphoto; A15163-5

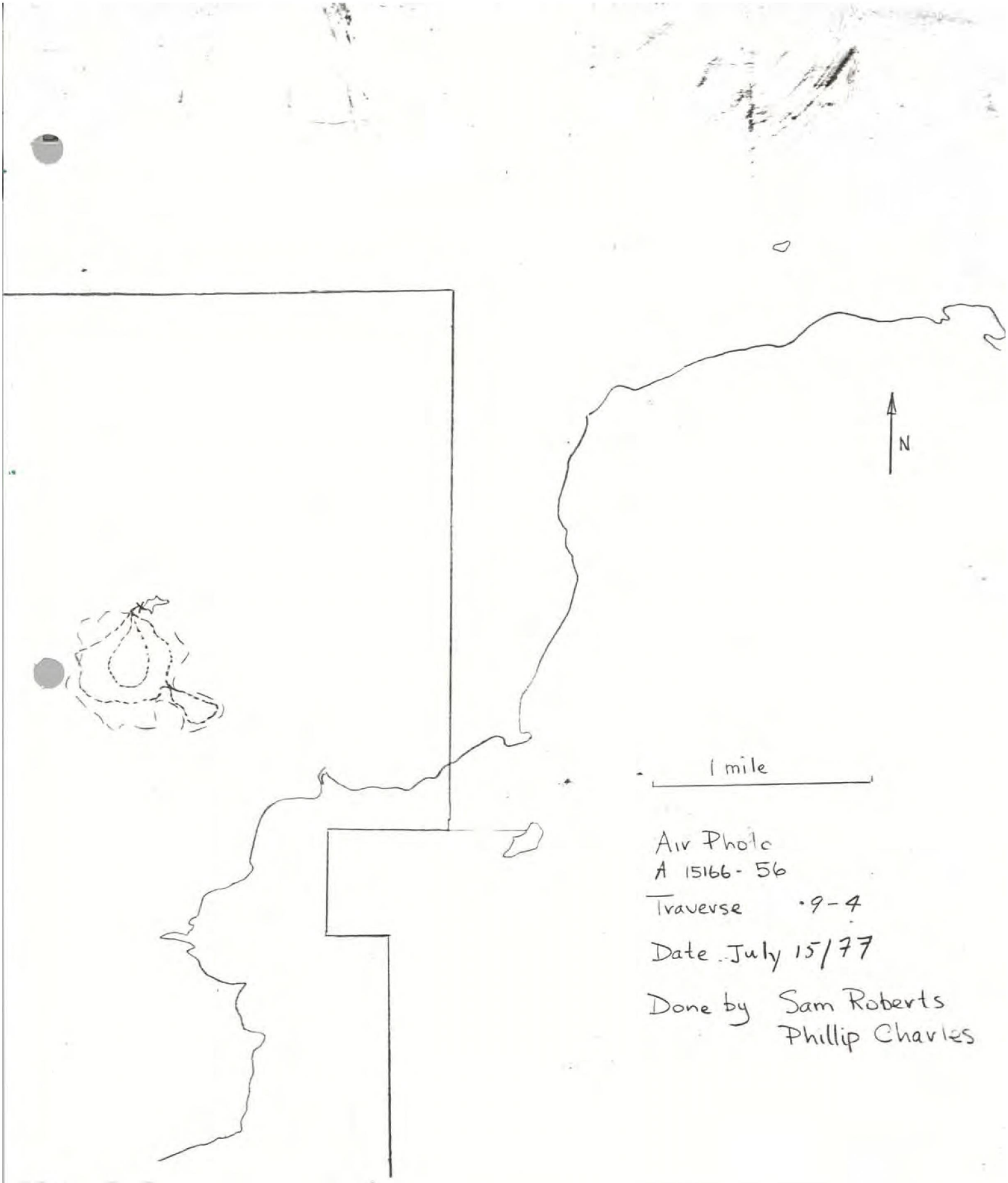
Traverse; 9-2a

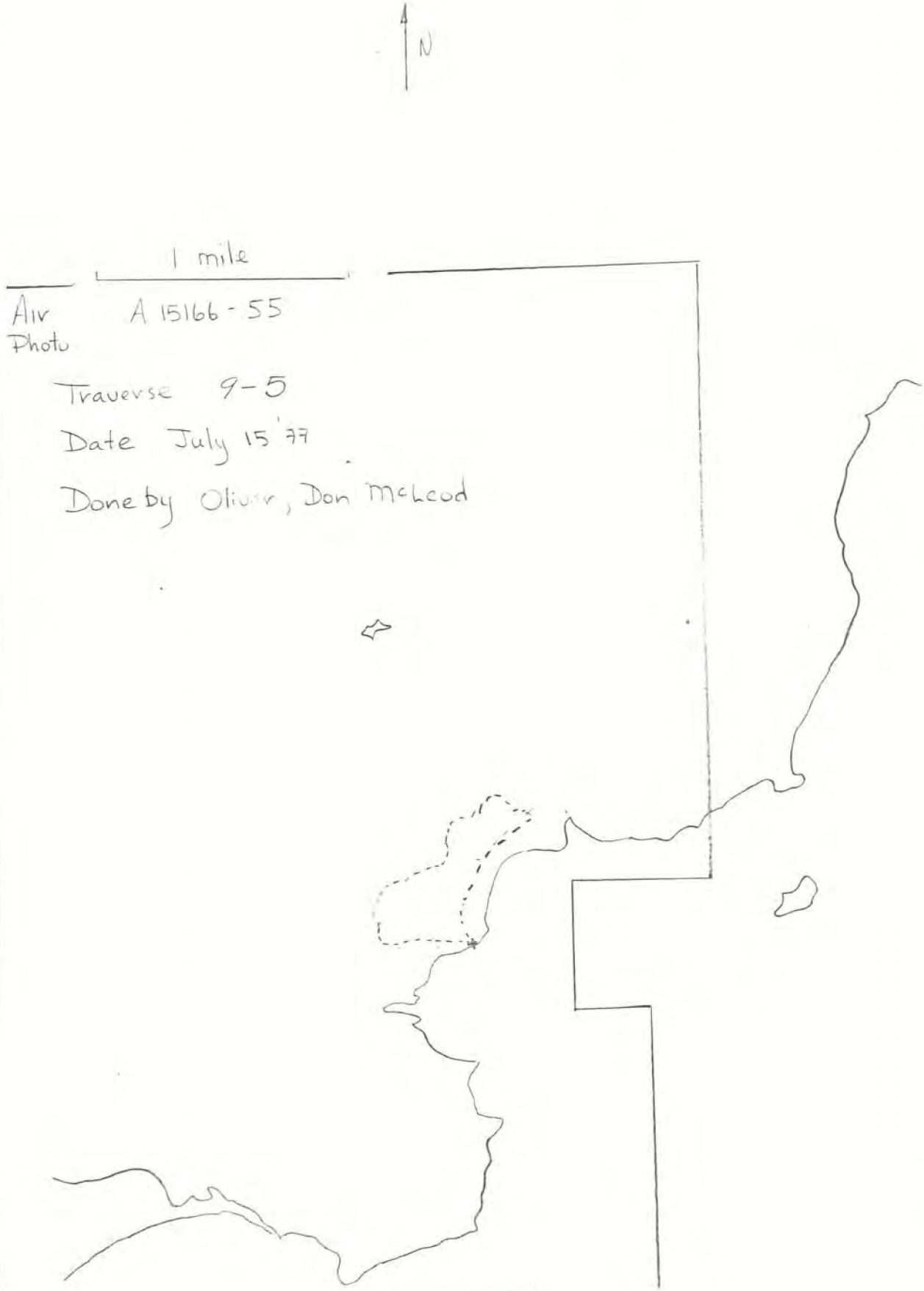
Date; July 14th

Done by; Oliver McLeod + Don. McLeod



Airphoto A15163-4
Traverse - 9-3, 9-8
Date July 14/77, July 15 '77
Done by Norman Charles
WALTER W. ROBERTS


N
1 mile
Air Photo
A 15166 - 56
Traverse 9-4
Date July 15/77
Done by Sam Roberts
Phillip Charles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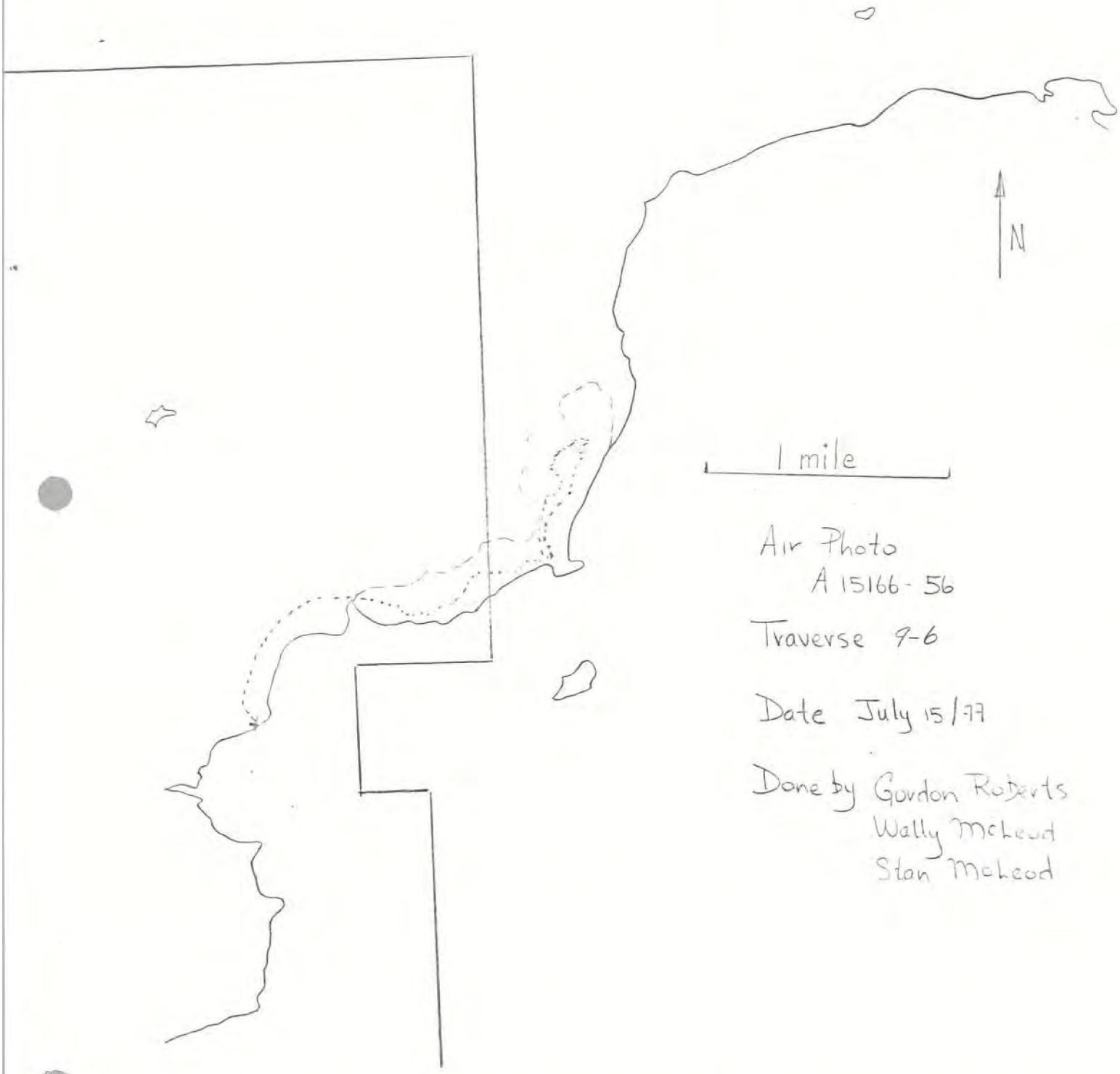
1 mile
Air Photo A 15166 - 55
Traverse 9-5
Date July 15 '77
Done by Oliver, Don McLeod



Air Photo
A 15166 - 56

Traverse 9-6

Date July 15/77

Done by Gordon Roberts
Wally McLeod
Stan McLeod

1 mile

Air Photo 15166 - 55

Traverse 9-7

Date July 15

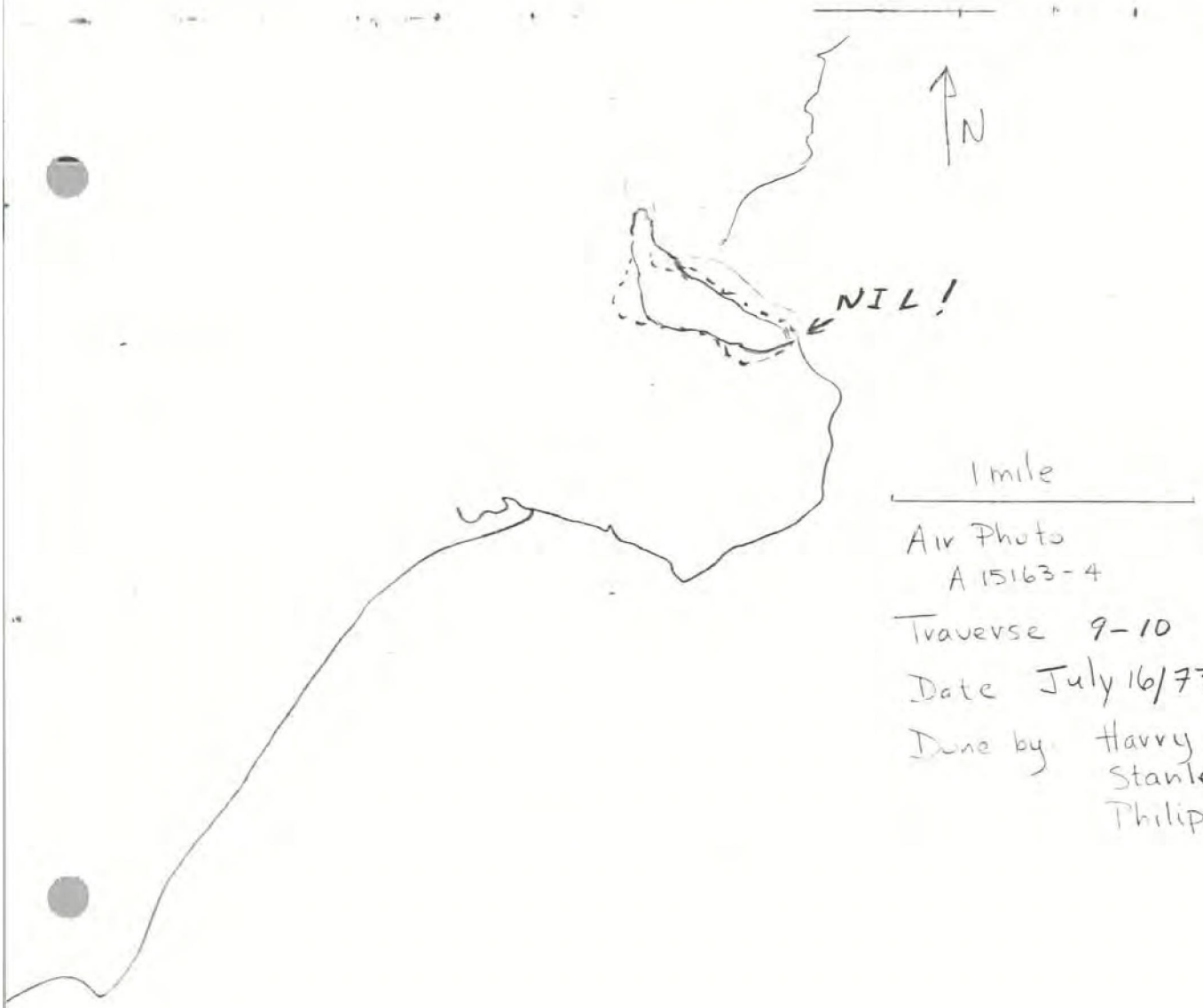
Done by: Isaac Charles
Tom Miterich
Harry McLeod

Air Photo
A 15166-56

Traverse 9-9

Date July 16/77

Done by Walter Roberts
Don McLeod



Air Photo
A 15163-4

Traverse 9-10

Date July 16/77

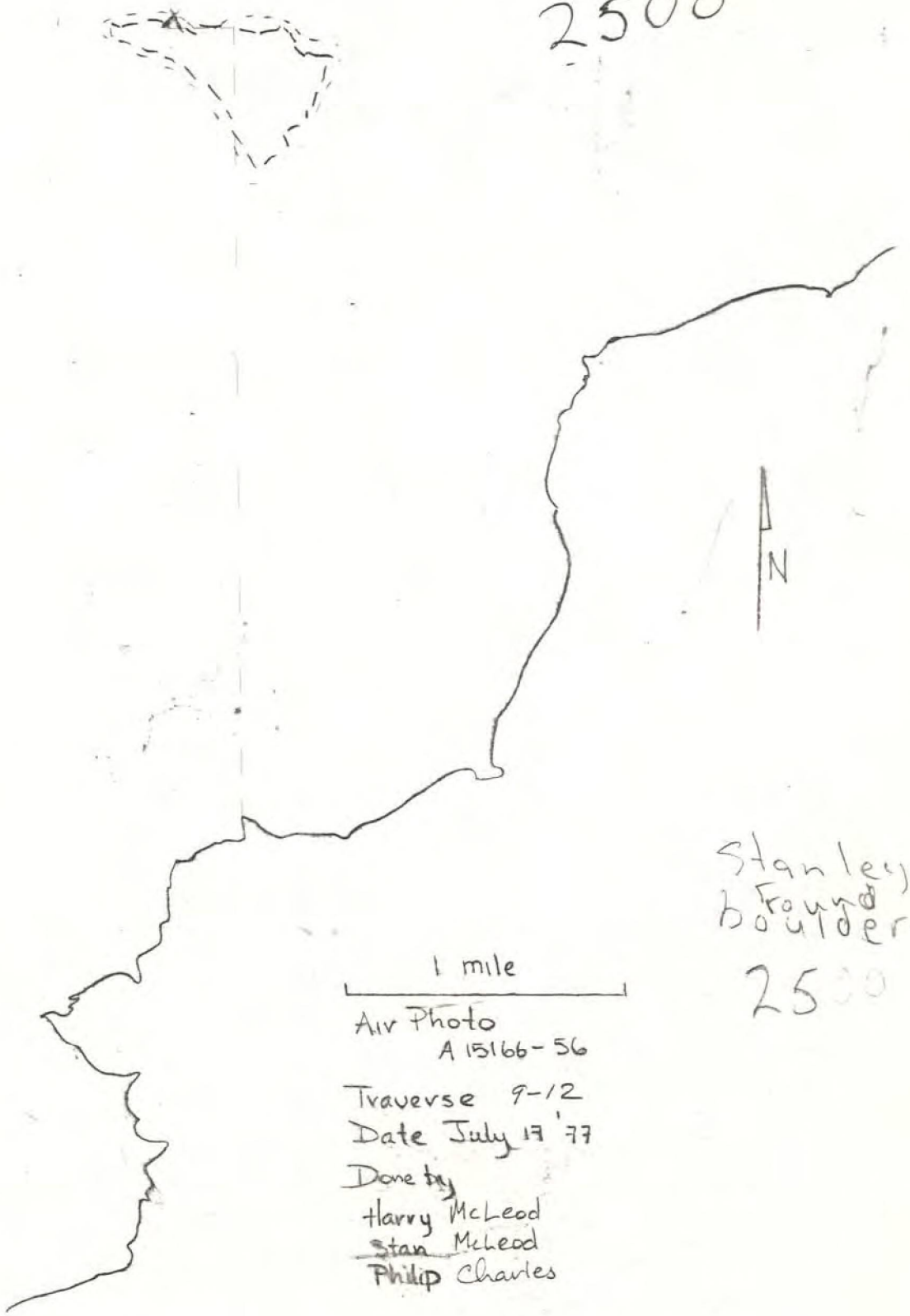
Done by Harry McLeod
Stanley McLeod
Philip Charles

N

1 mile

Air Photo 15166 - 55
Traverse 9-11
Date July 17, '77
Done by: Walter Roberts
Don McLeod

2500



Stanley
Found
boulder
2500

Air Photo
A 15166-56

Traverse 9-12
Date July 17 '77
Done by
Harry McLeod
Stan McLeod
Philip Charles

N

1 mile

Air Photo
A 15163-5

Traverse 9-13

Date July 19 /77

Done by Isaac Charles
Tom Miterick
Wally McLeod

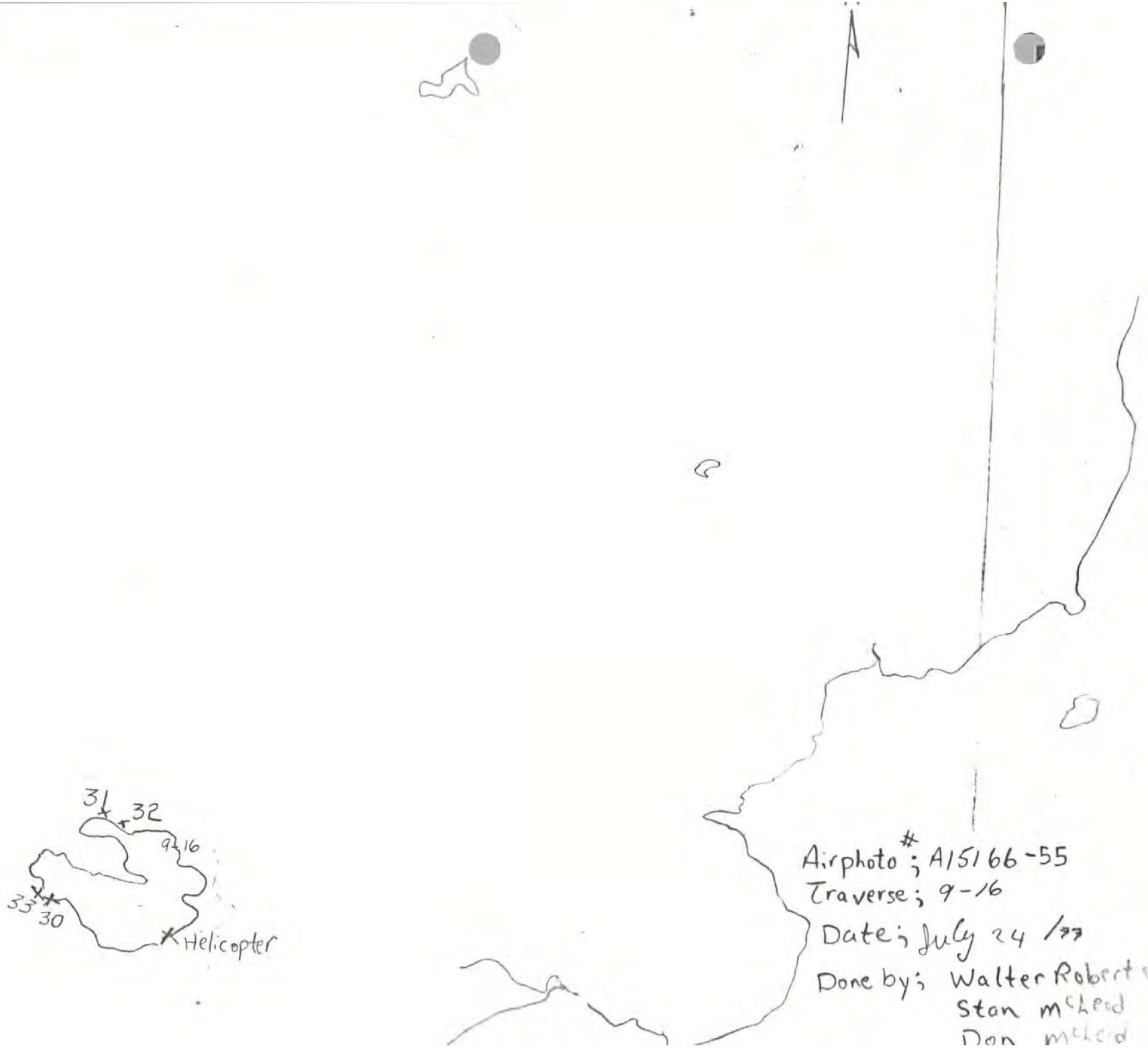
1 mile

Air Photo
A 15166-55

Date July 20 & 21 / 77

Traverse 9-14, 9-15

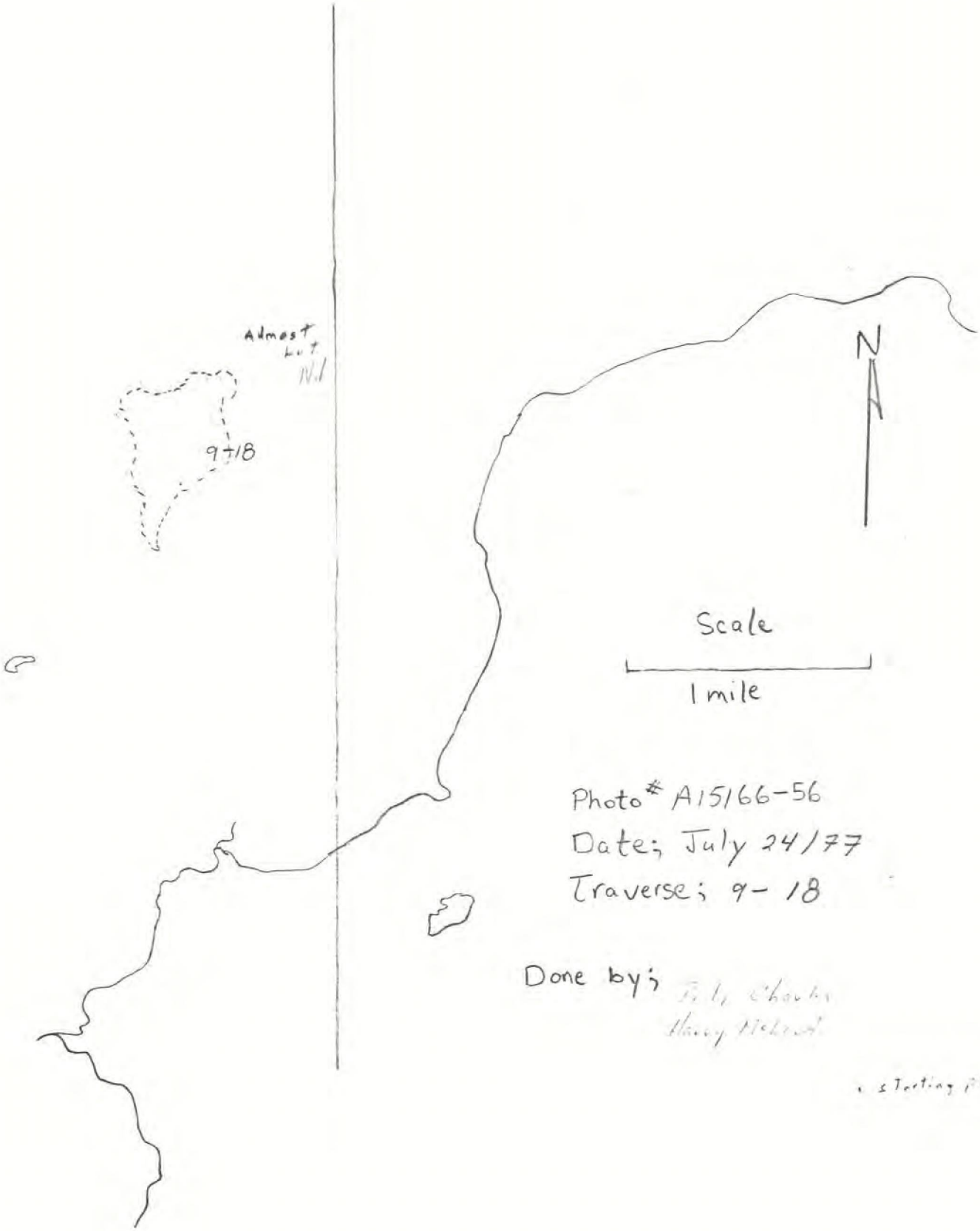
Done by Walter
Stan
Don.


31
32
9-16
33
30
Helicopter
Airphoto #; A15166-55
Traverse; 9-16
Date; July 24 /77
Done by; Walter Roberts
Stan McLeod
Don McLeod

189

1 mile

Air Photo
A 15163-4
Traverse 9-17
Date July 24/77
Done by Sam Norman



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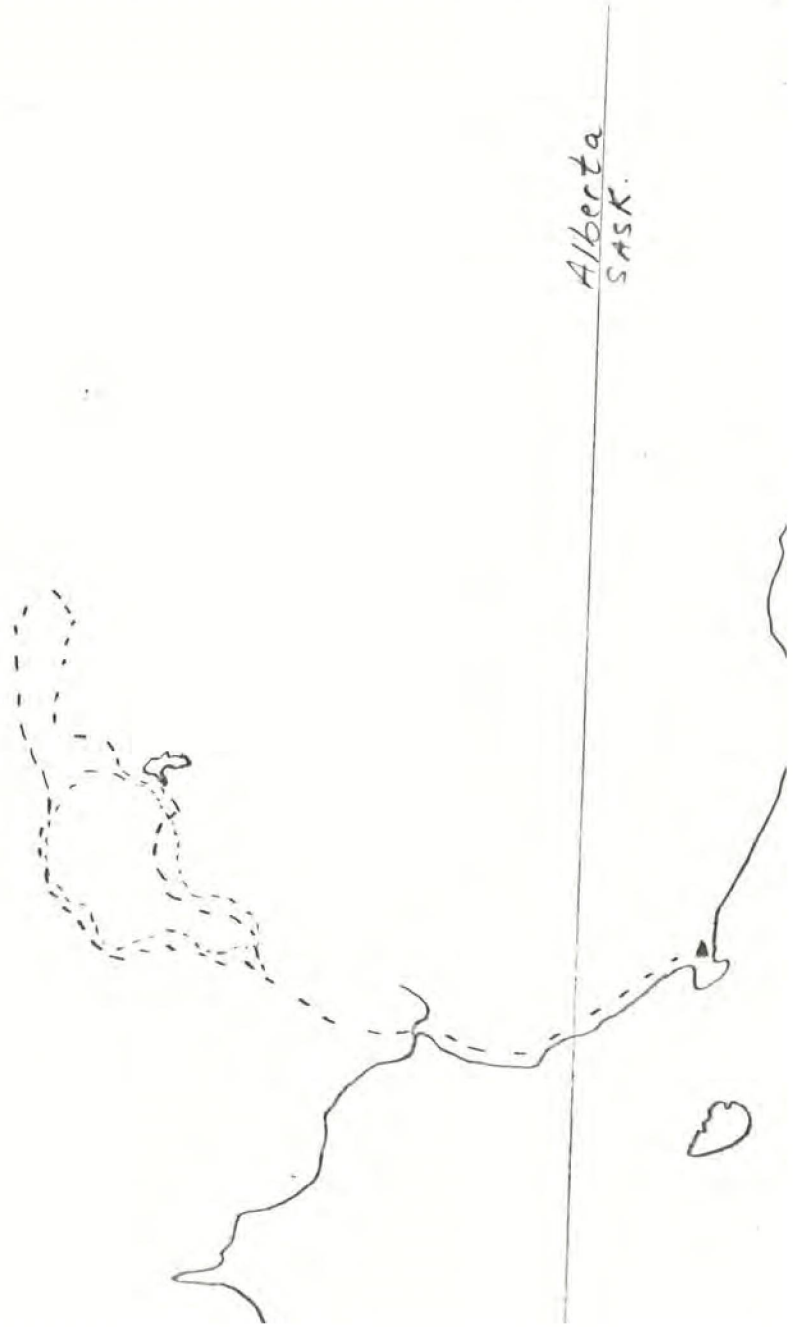
Traverse; 9-18

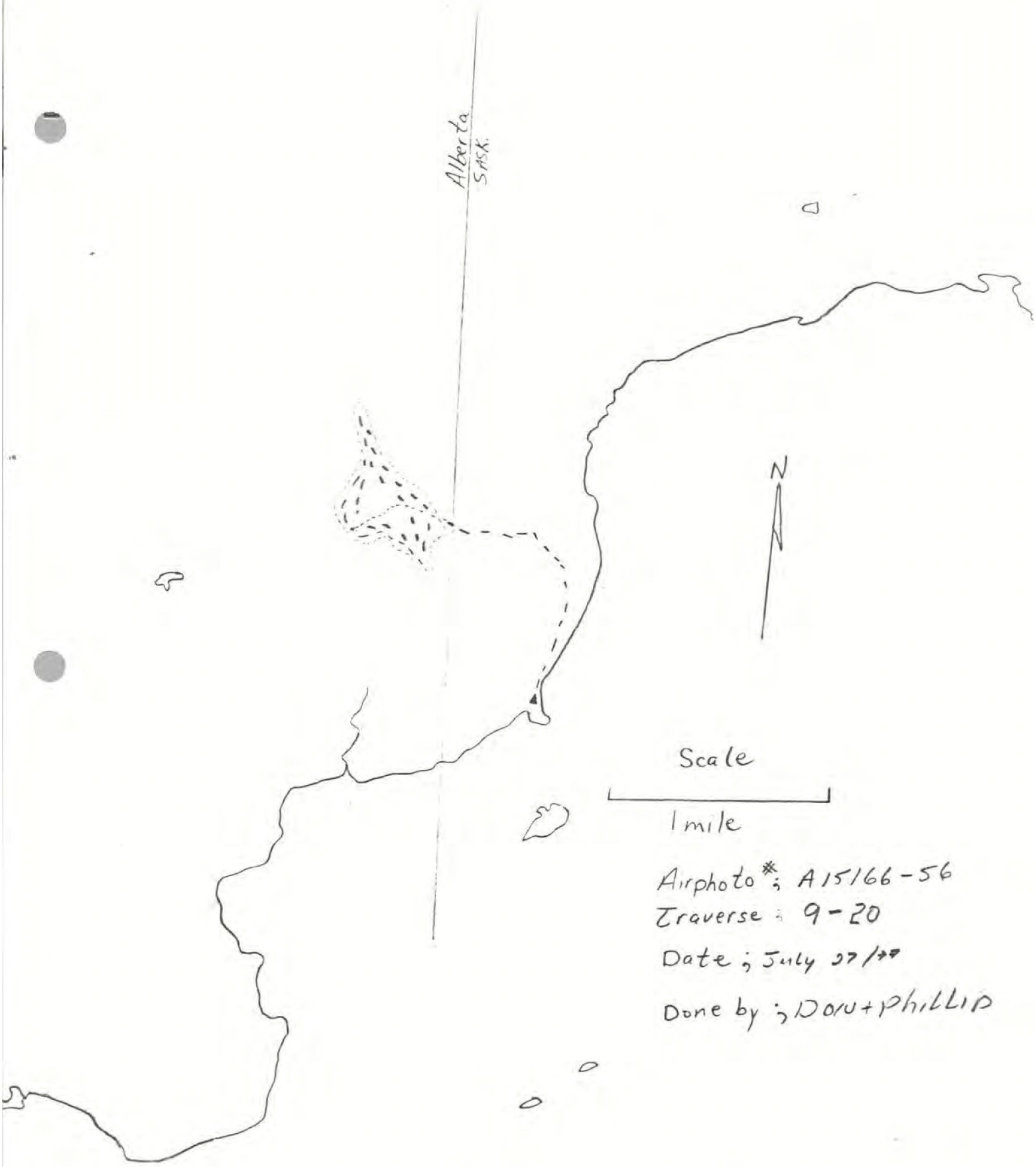
Done by; [illegible]
[illegible]

Photo # A15166-55
Traverse 9-19
Date: July 27/77
Done by Sam + Norman

Scale

1 mile





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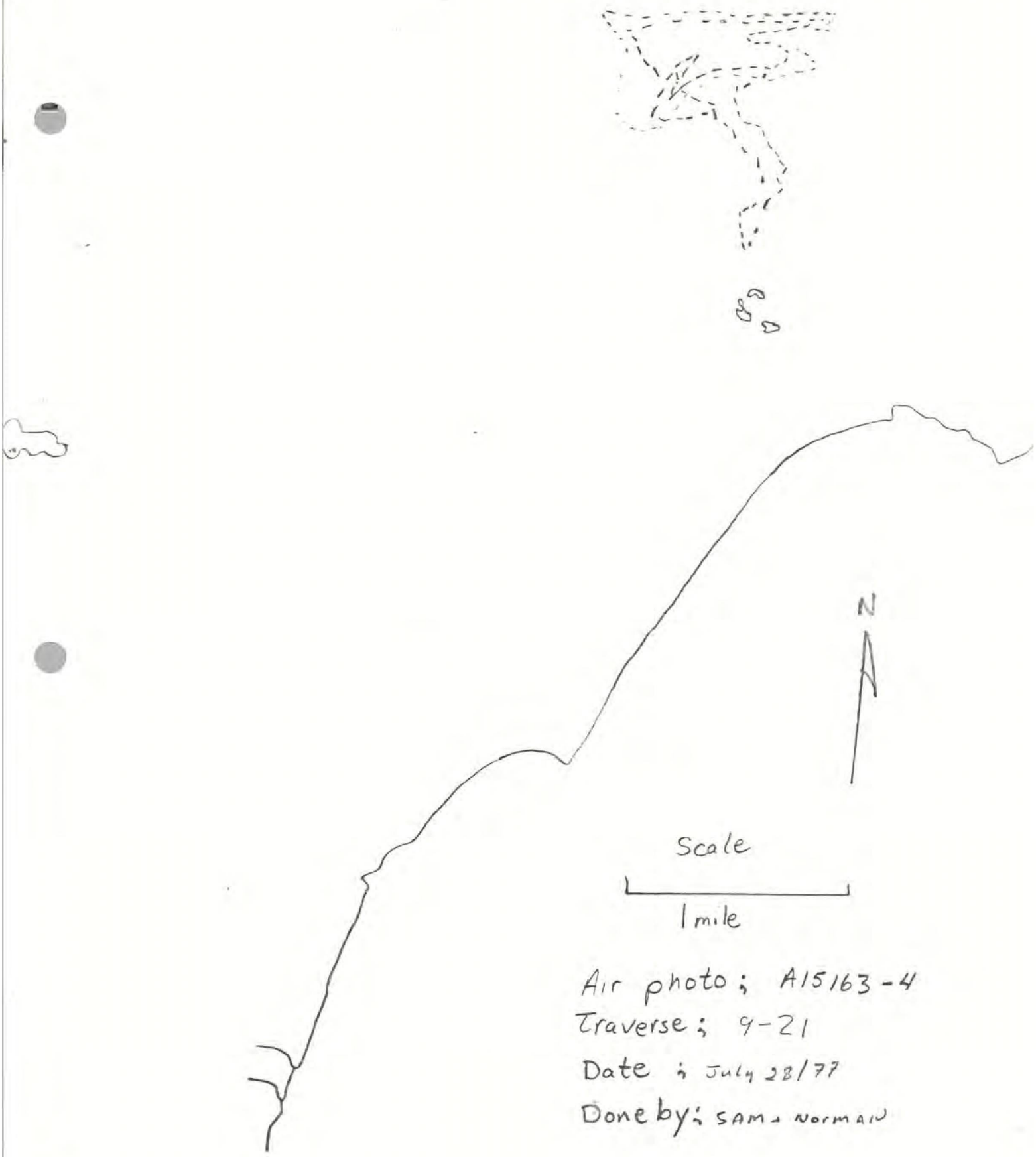
Date: July 27/77
Done by: Don + Phillip



Air photo; A15163-4
Traverse; 9-21
Date; July 28/77
Done by; SAM + NORMAN

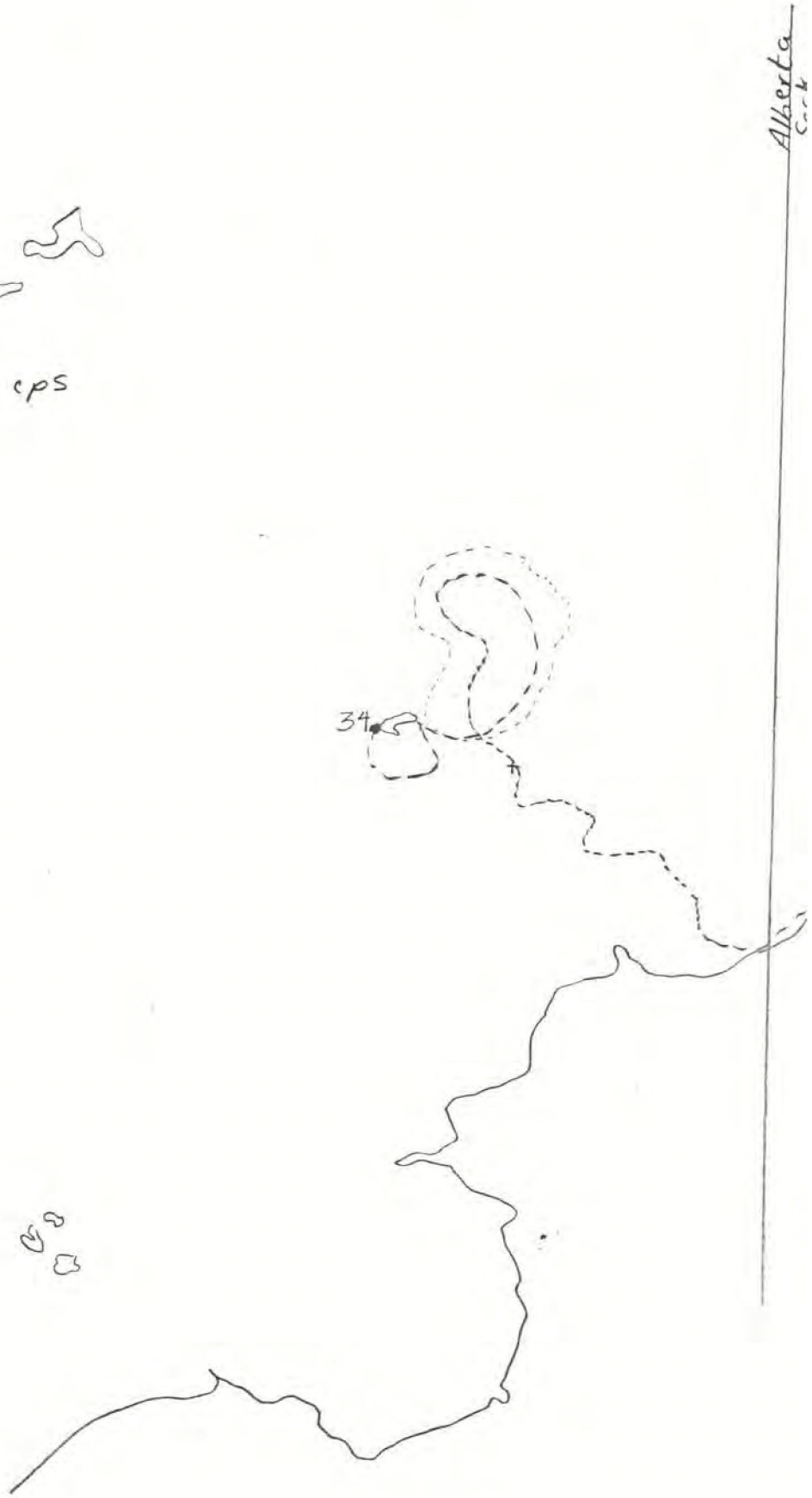
Air Photo A 15163-4
Traverse 9-22
Date July 28/77
Done by Phil.
Don.
Stan.

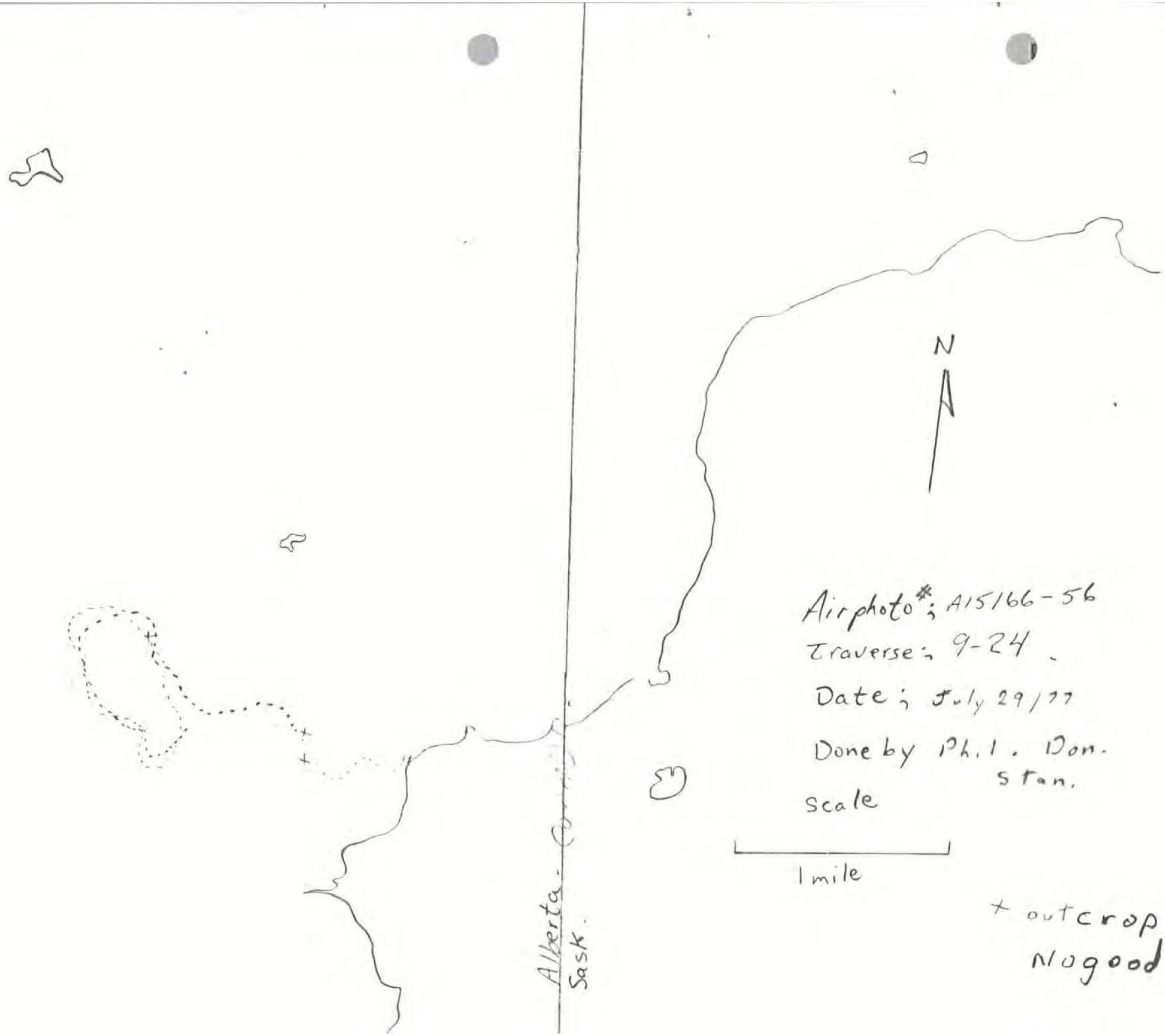
101

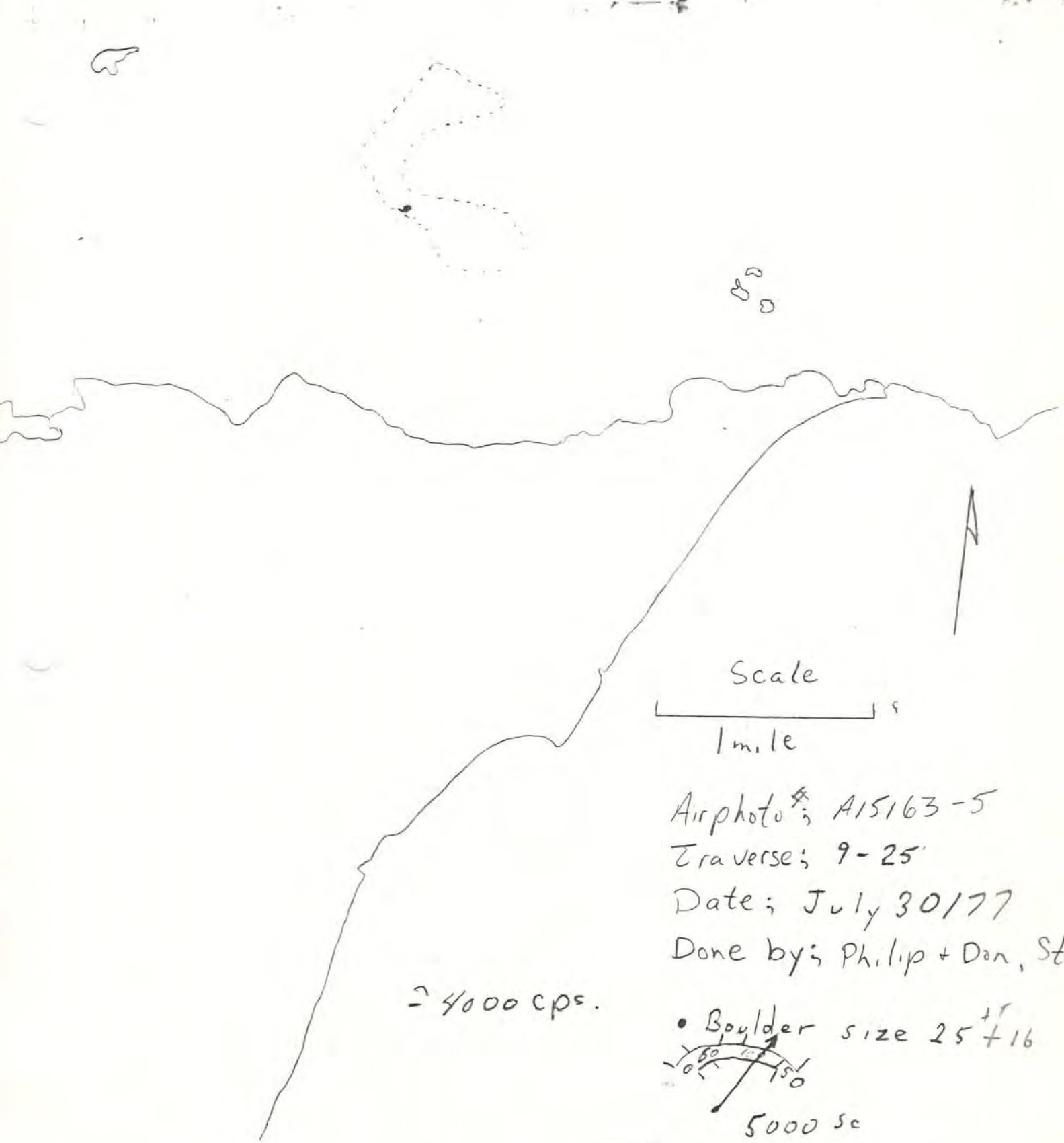
Airphoto: # A15166-55
Traverse: 9-23
Date: 29/77
Done by: SAM + NORMAN → 1,200 cps
Scale

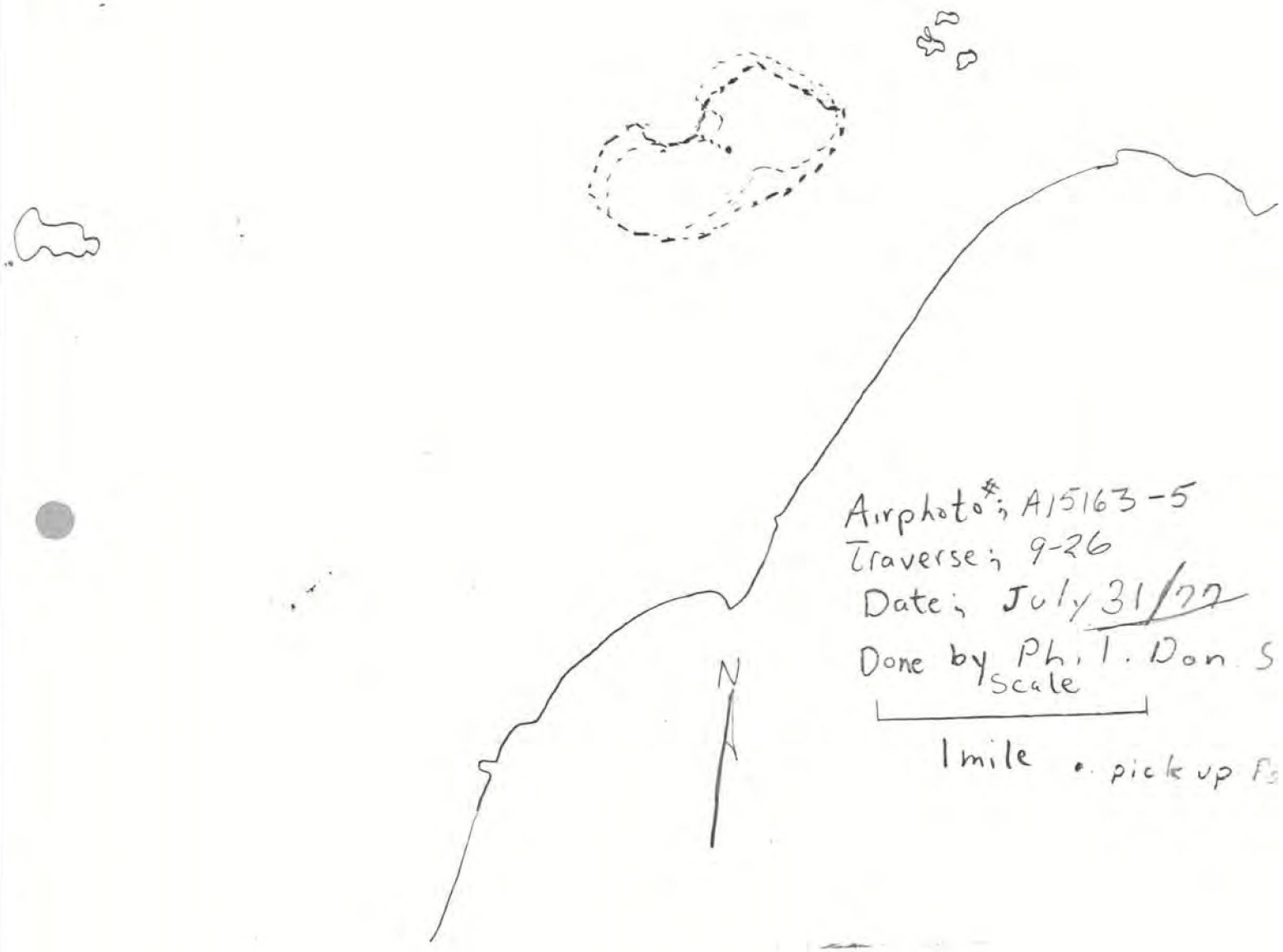
1 mile

N

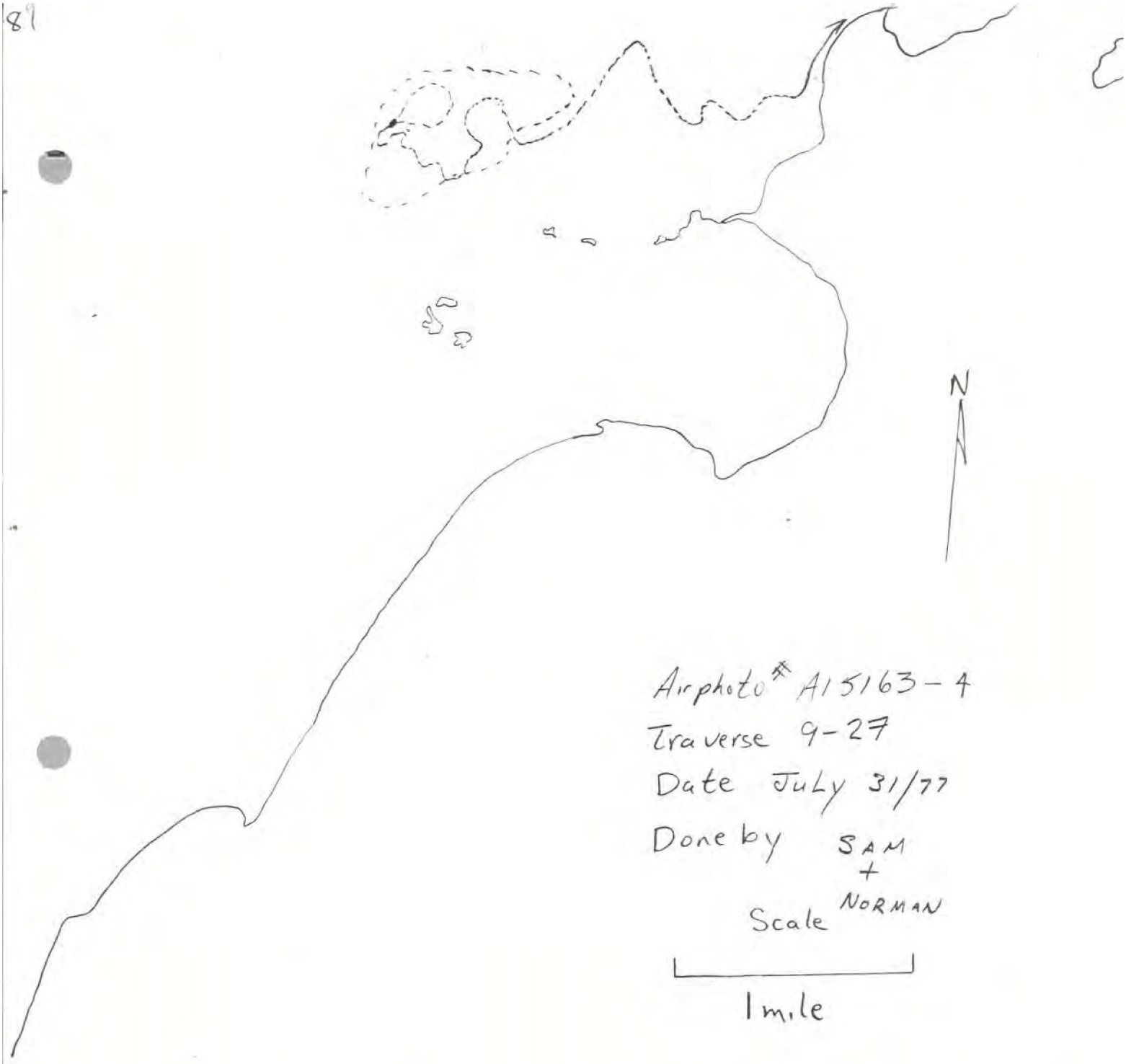



N
Airphoto#: A15166-56
Traverse: 9-24
Date: July 29/77
Done by Ph. I. Donstan.
Scale
1 mile
+ outcrop
No good
Alberta
Sask.

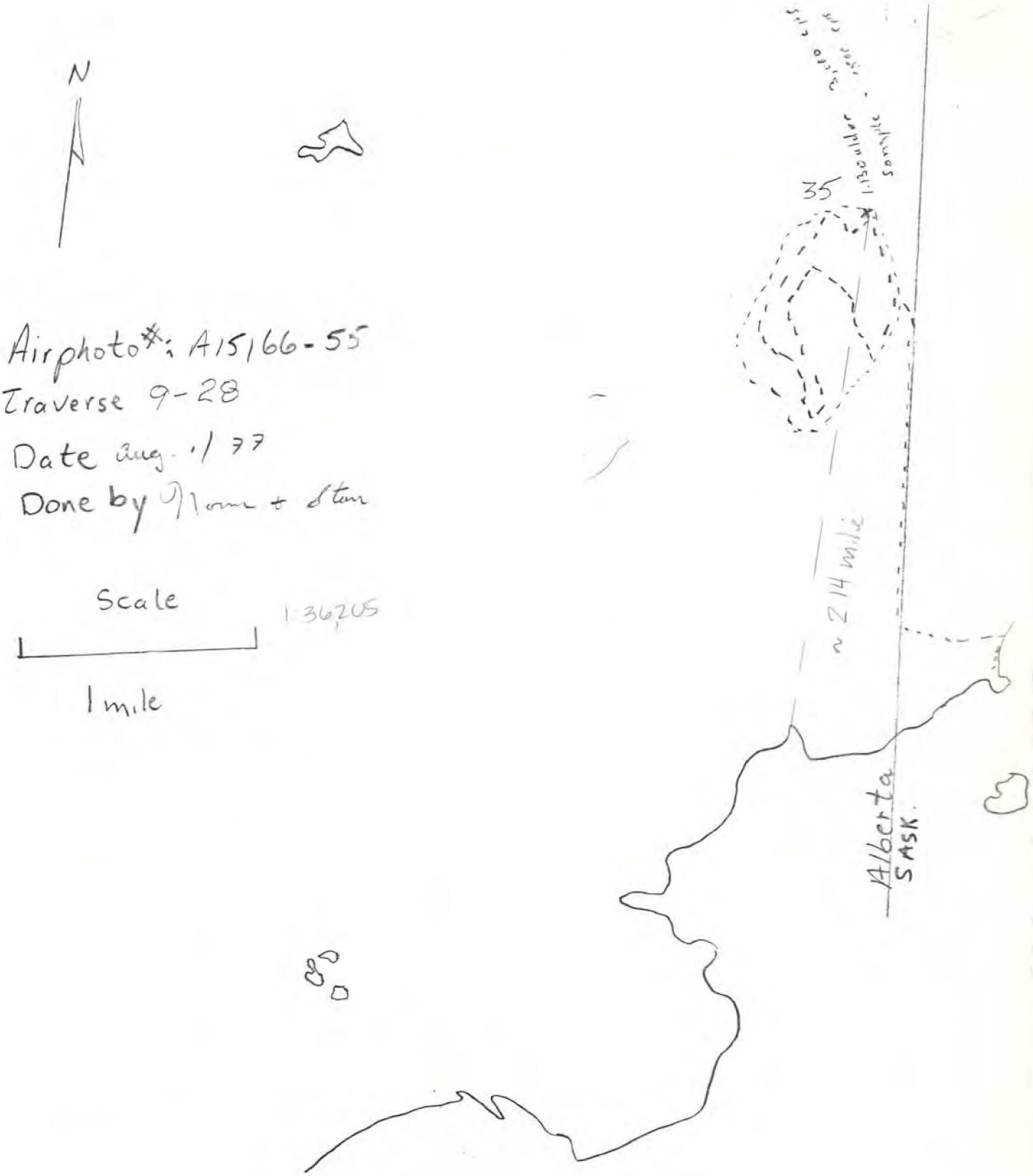

Scale
1 mile
Airphoto #; A15163-5
Traverse; 9-25
Date; July 30/77
Done by; Philip + Don, Stan
≈ 4000 cps.
• Boulder size 25 + 16
0
50
100
150
5000 sc

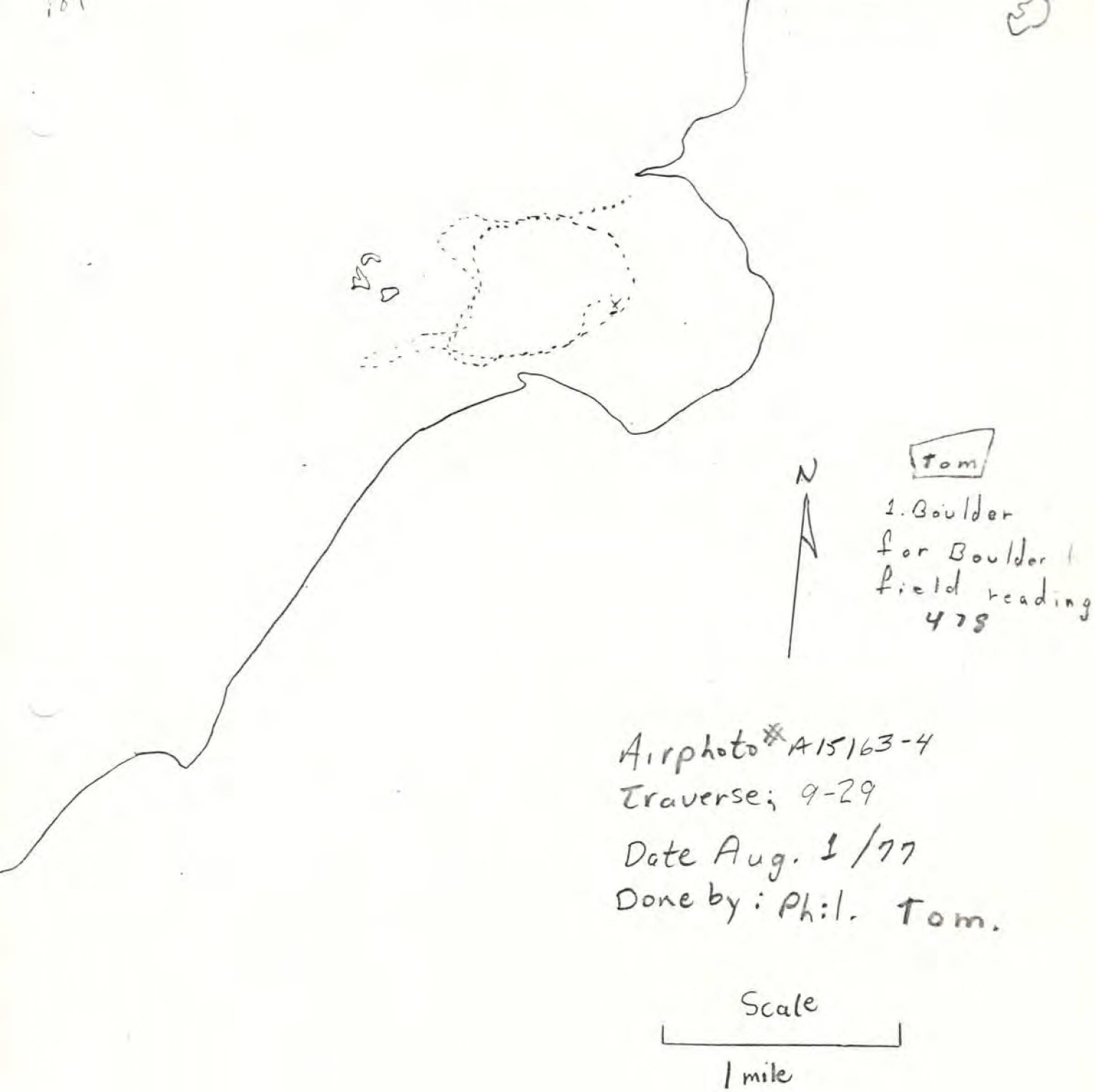

N
Airphoto #: A15163-5
Traverse: 9-26
Date: July 31/77
Done by Phil. Don S
Scale
1 mile
pick up

89


N
Airphoto # A15163-4
Traverse 9-27
Date July 31/77
Done by SAM + NORMAN
Scale
1 mile

2


N
Airphoto#: A15166-55
Traverse 9-28
Date Aug. 1/77
Done by Moore + Stone
Scale
1:36,205
1 mile
35
~2.14 mile
Alberta
SASK.

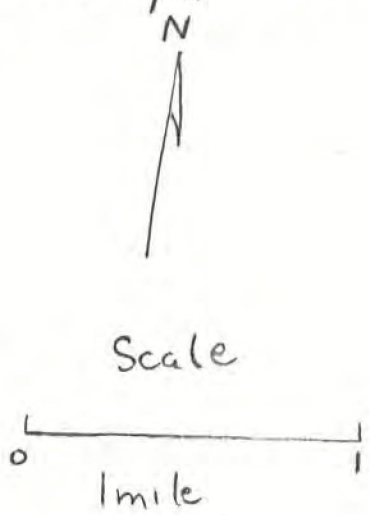

Tom
N
1. Boulder
for Boulder 1
field reading
478
Airphoto # A15163-4
Traverse; 9-29
Date Aug. 1/77
Done by: Phil. Tom.
Scale
1 mile

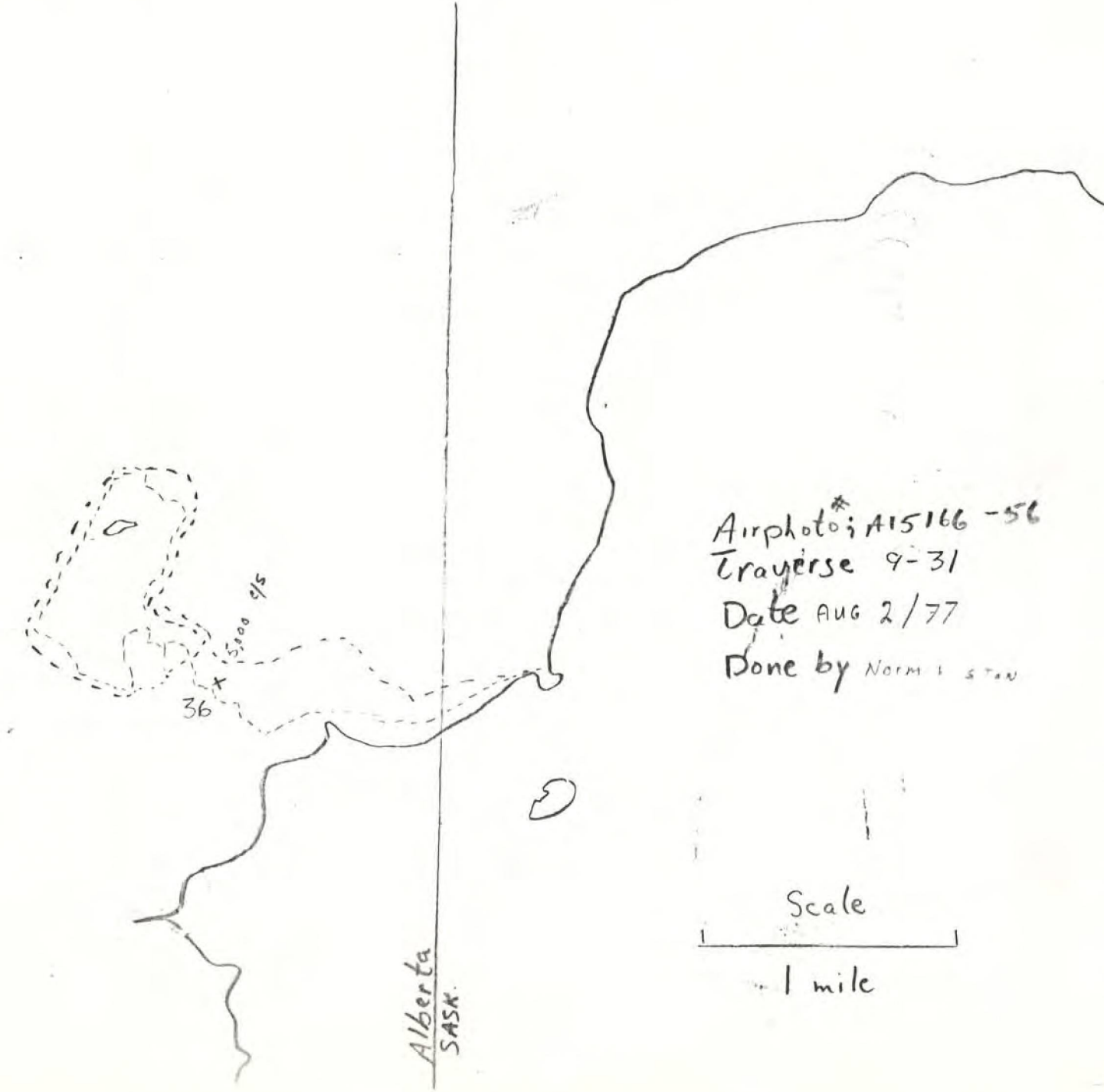
Airphoto#: A15166-55

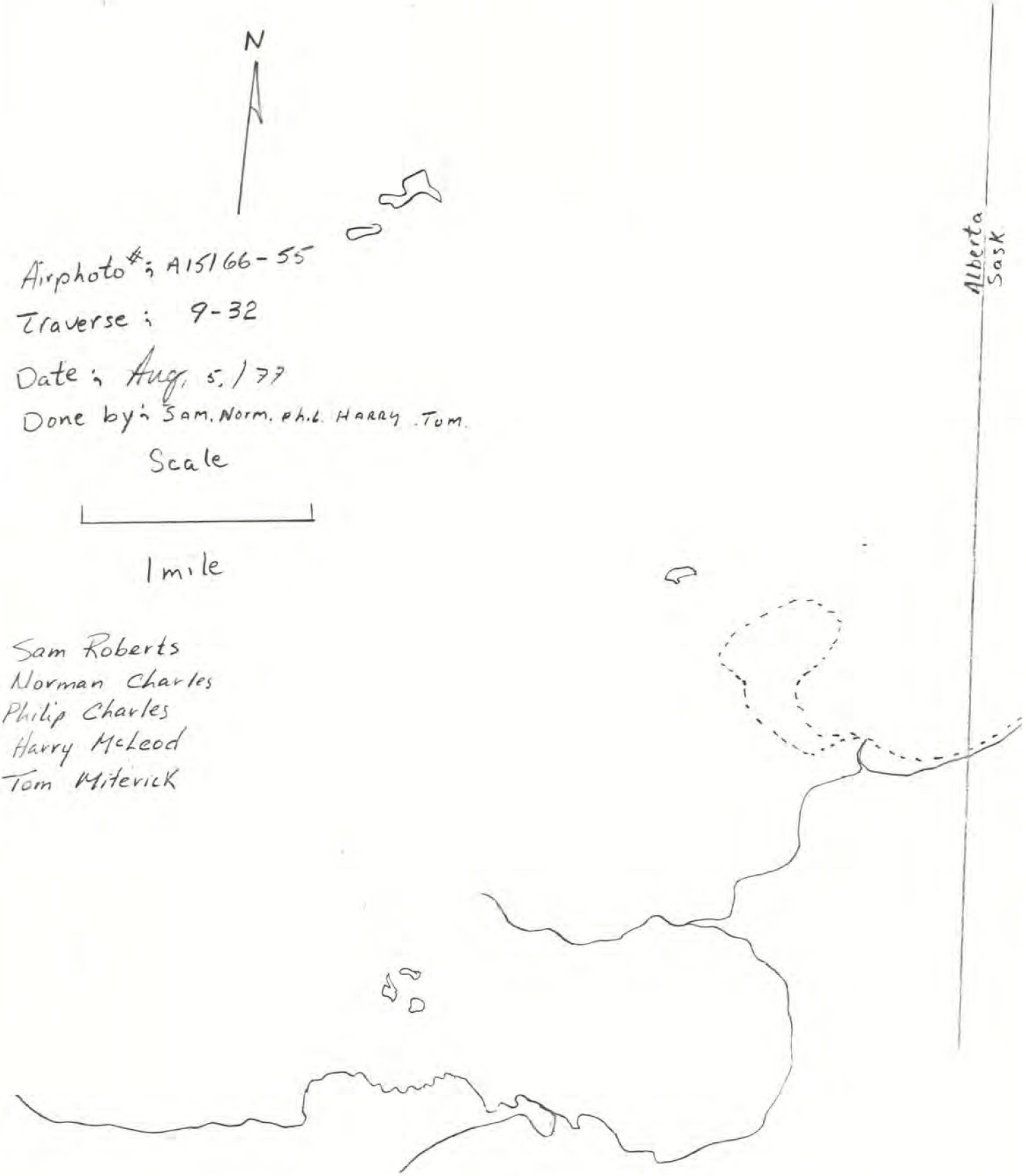
Traverse: 9-30

Date: August 2st/77

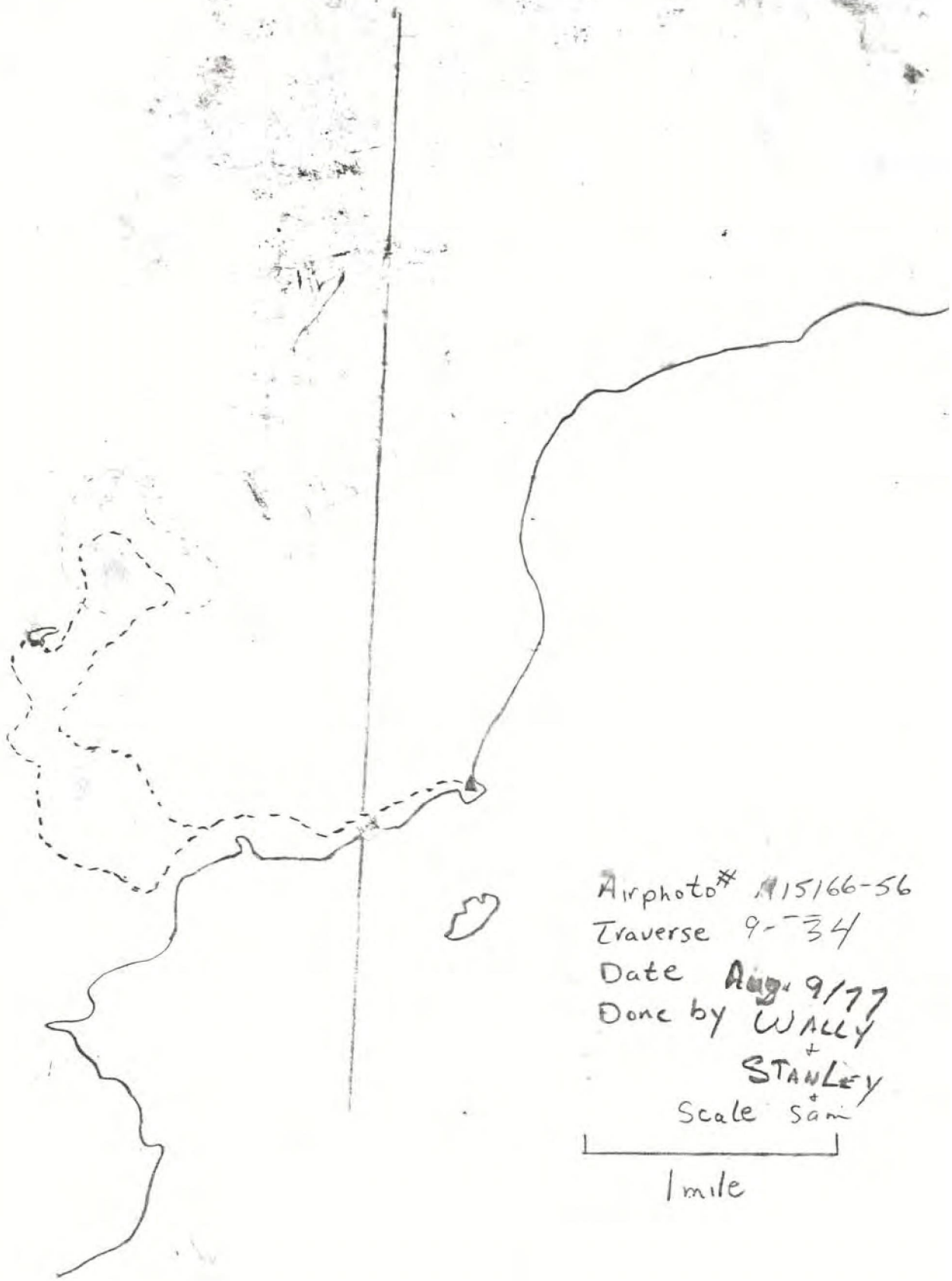
Doneby: Phil. Tom



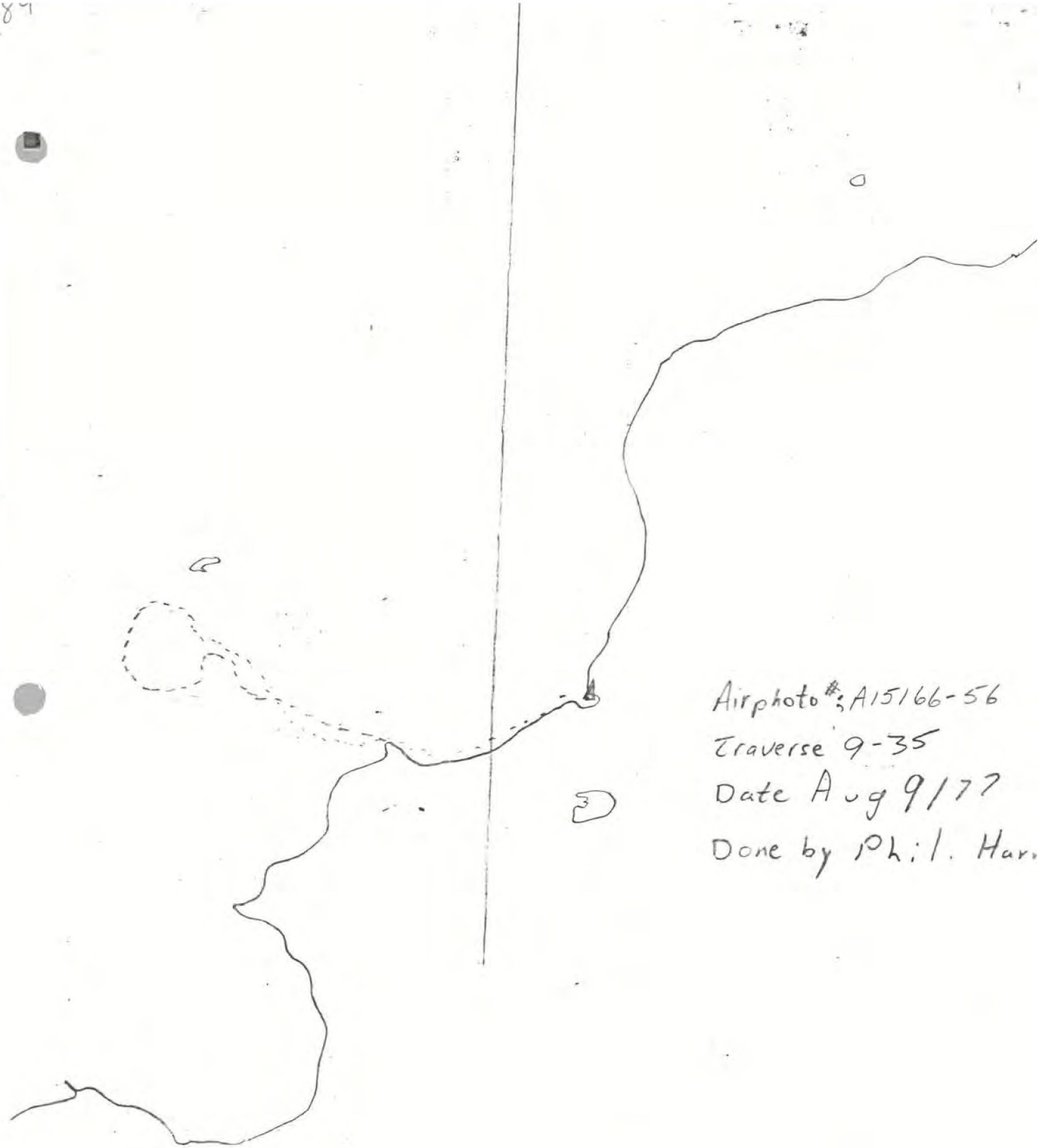

Airphoto: A15166 -56
Traverse 9-31
Date AUG 2/77
Done by NORM STAN
Scale
1 mile
Alberta
SASK.
36
5100 9/5


N
Airphoto # : A15166-55
Traverse : 9-32
Date : Aug. 5. / 77
Done by : Sam. Norm. Phil. Harry. Tom.
Scale
1 mile
Sam Roberts
Norman Charles
Philip Charles
Harry McLeod
Tom Miterick
Alberta
Sask

189

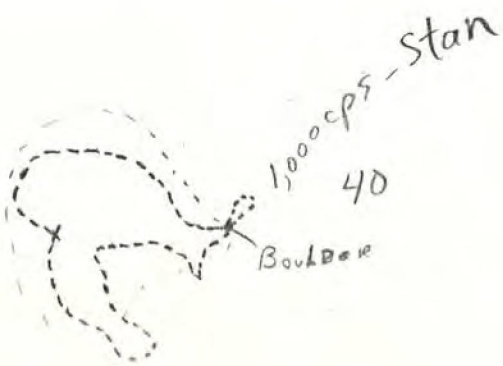

Airphoto# A15166-56
Traverse 9-34
Date Aug. 9/77
Done by WALLY + STANLEY + Sam
Scale
1 mile

189



Airphoto #: A15166-56
Traverse 9-35
Date Aug 9/77
Done by Phil. Har.

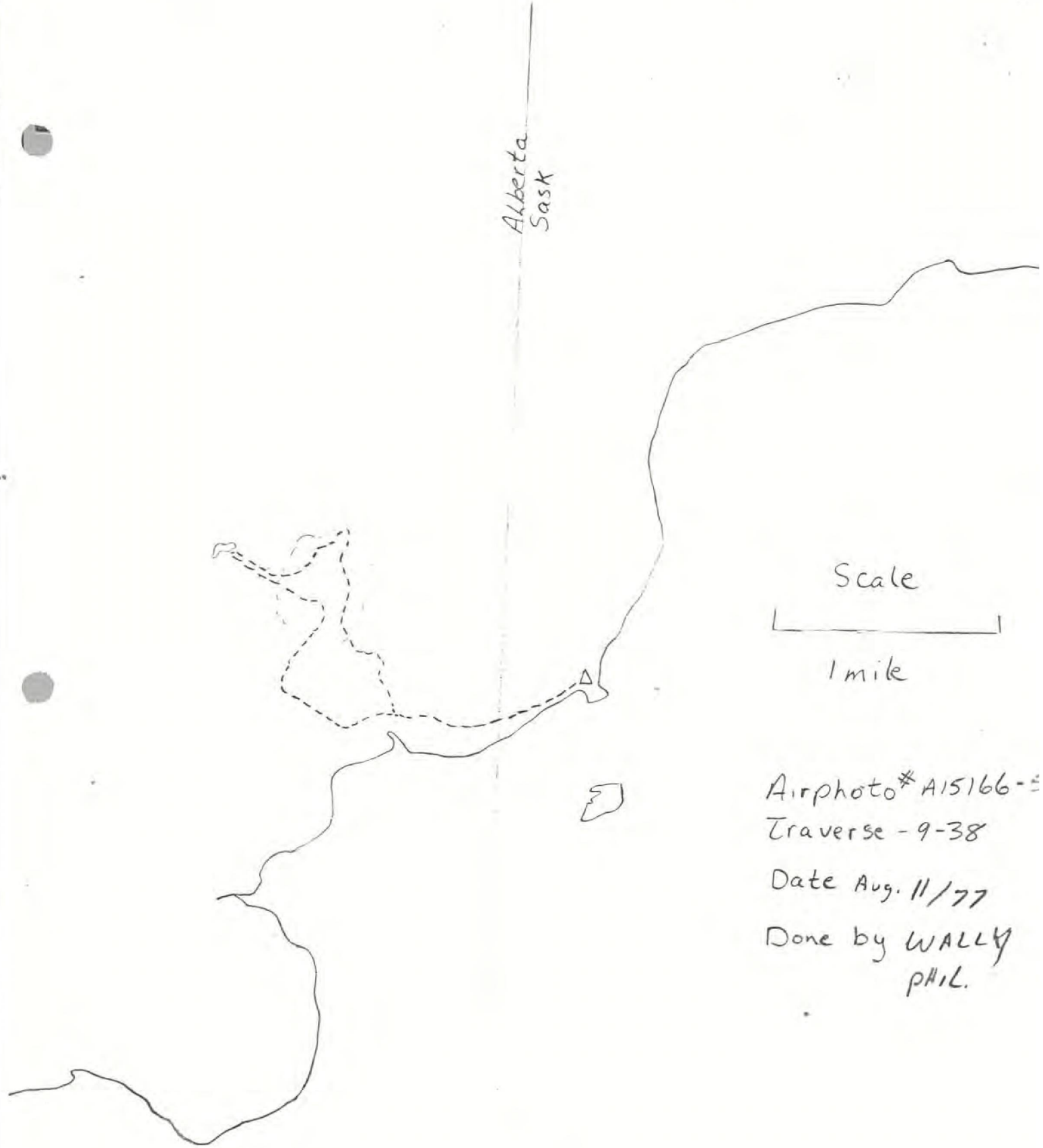
Airphoto: A15166-55
Traverse 9-36
Date Aug. 10th/77
Done by WALLY
+
STANLEY
+
philip.



Airphoto #: A15166-55
Traverse 9-37
Date Aug 10/77
Done by SAM + HARRY

Scale

1 mile



Airphoto # A15166-
Traverse - 9-38

Date Aug. 11/77

Done by WALLY
PHIL.

Scale

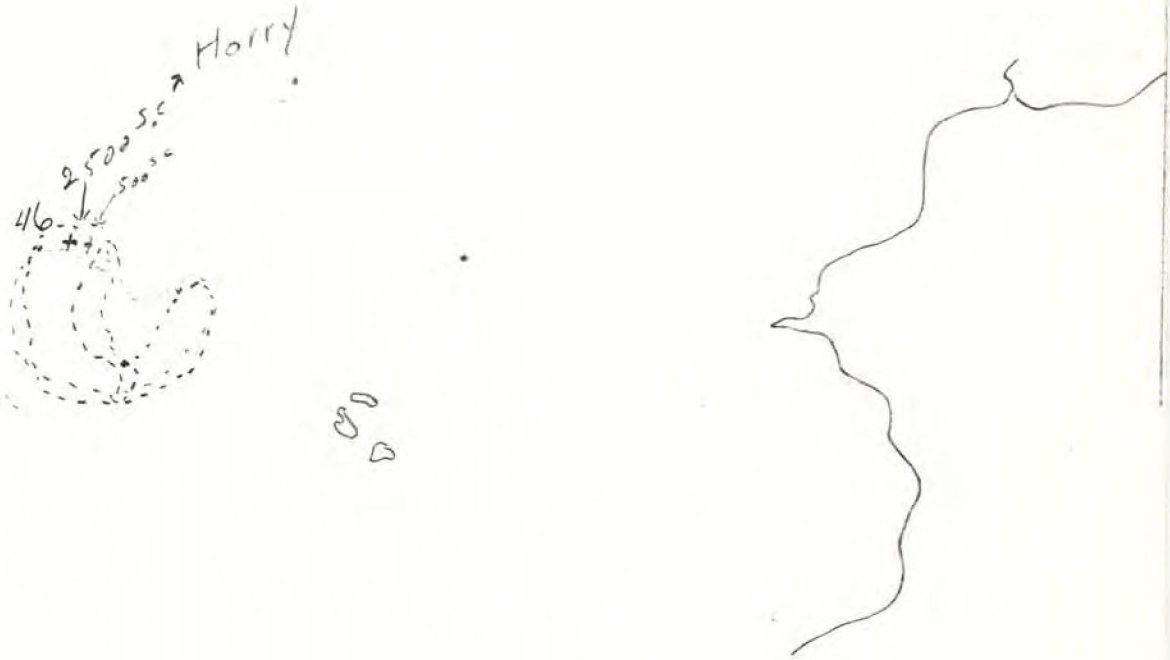
1 mile

Airphoto # A15166-55

Traverse 9-40

Date Aug/12

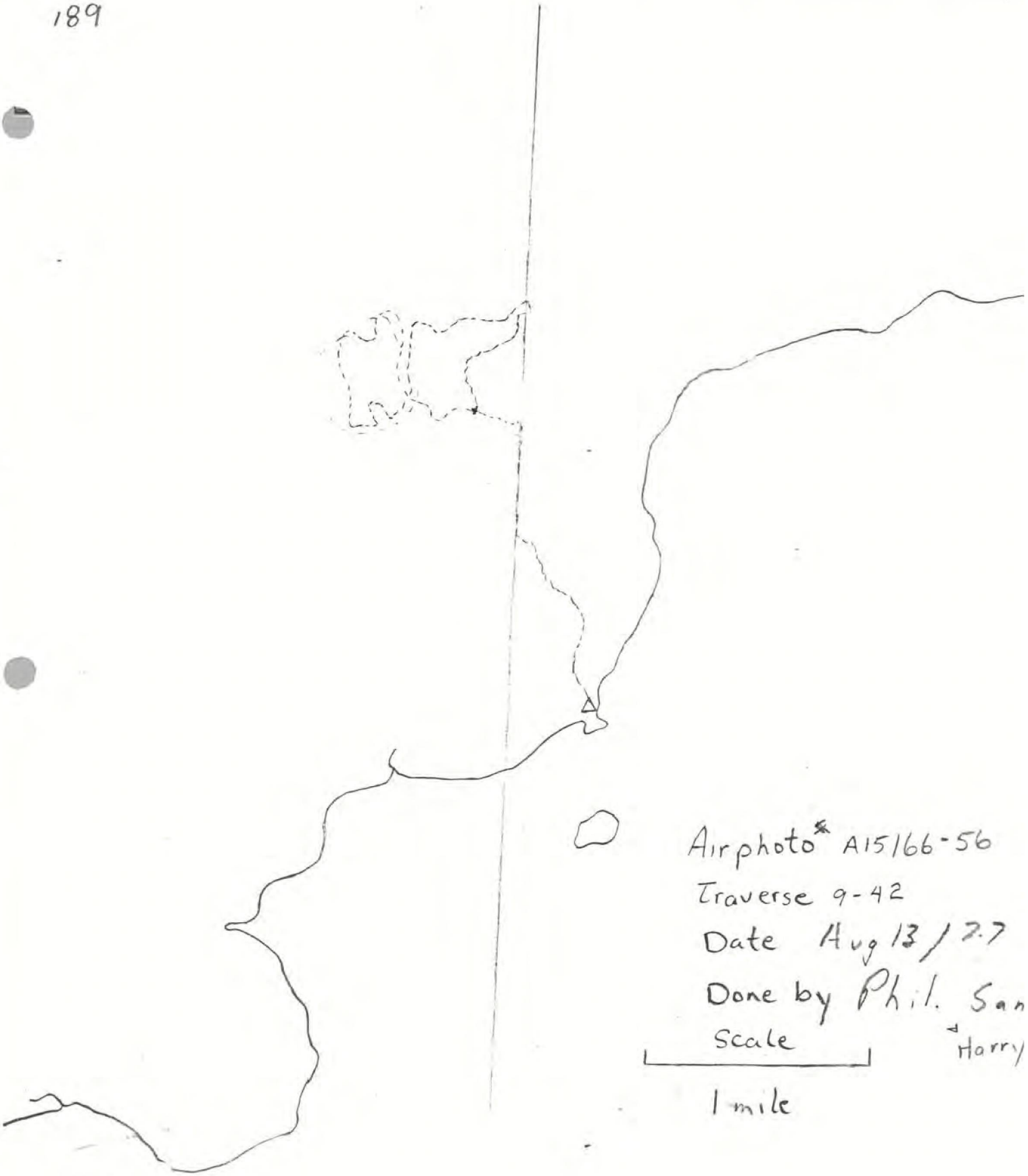
Done by Harry Mc Phil, Wally

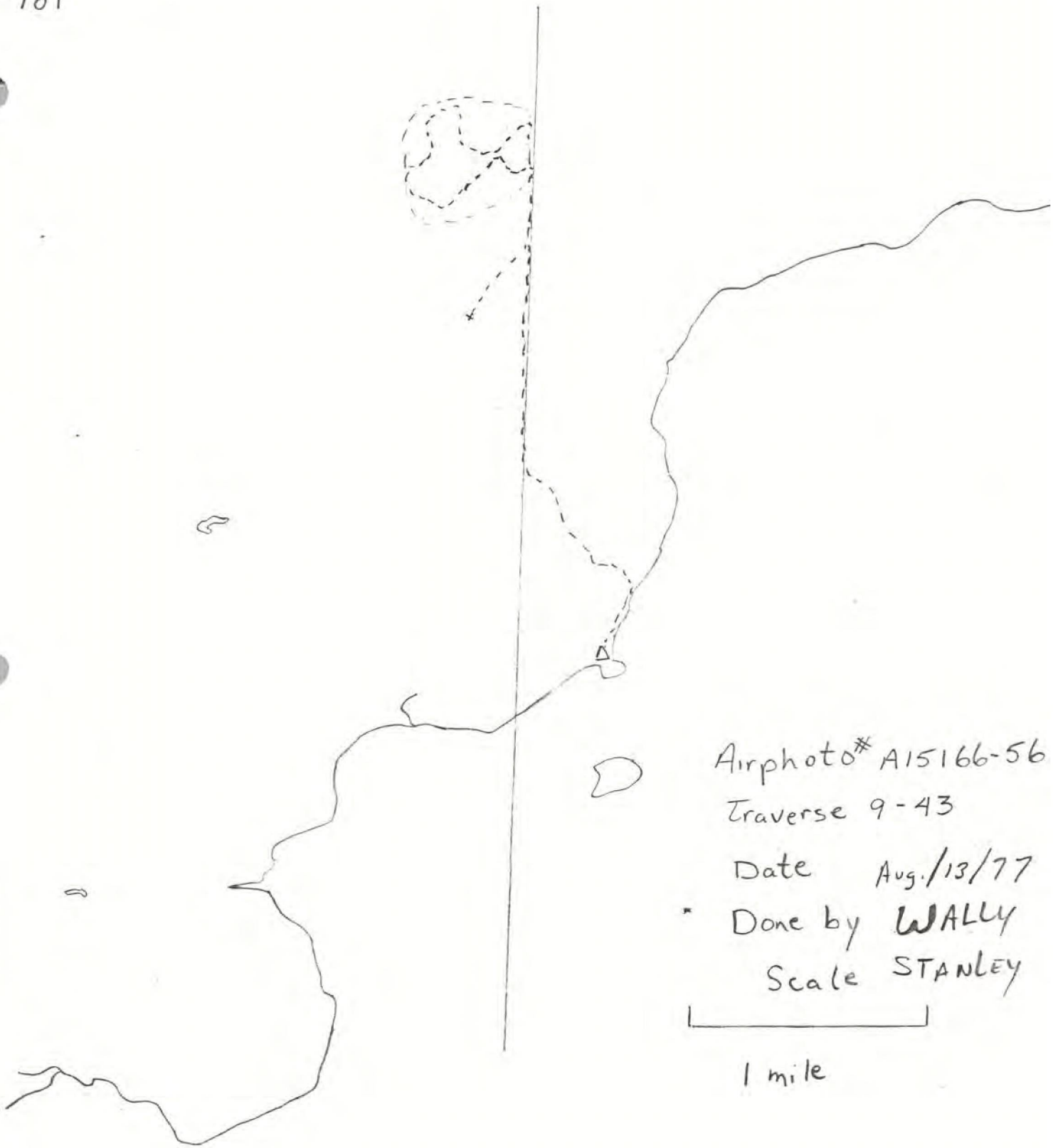


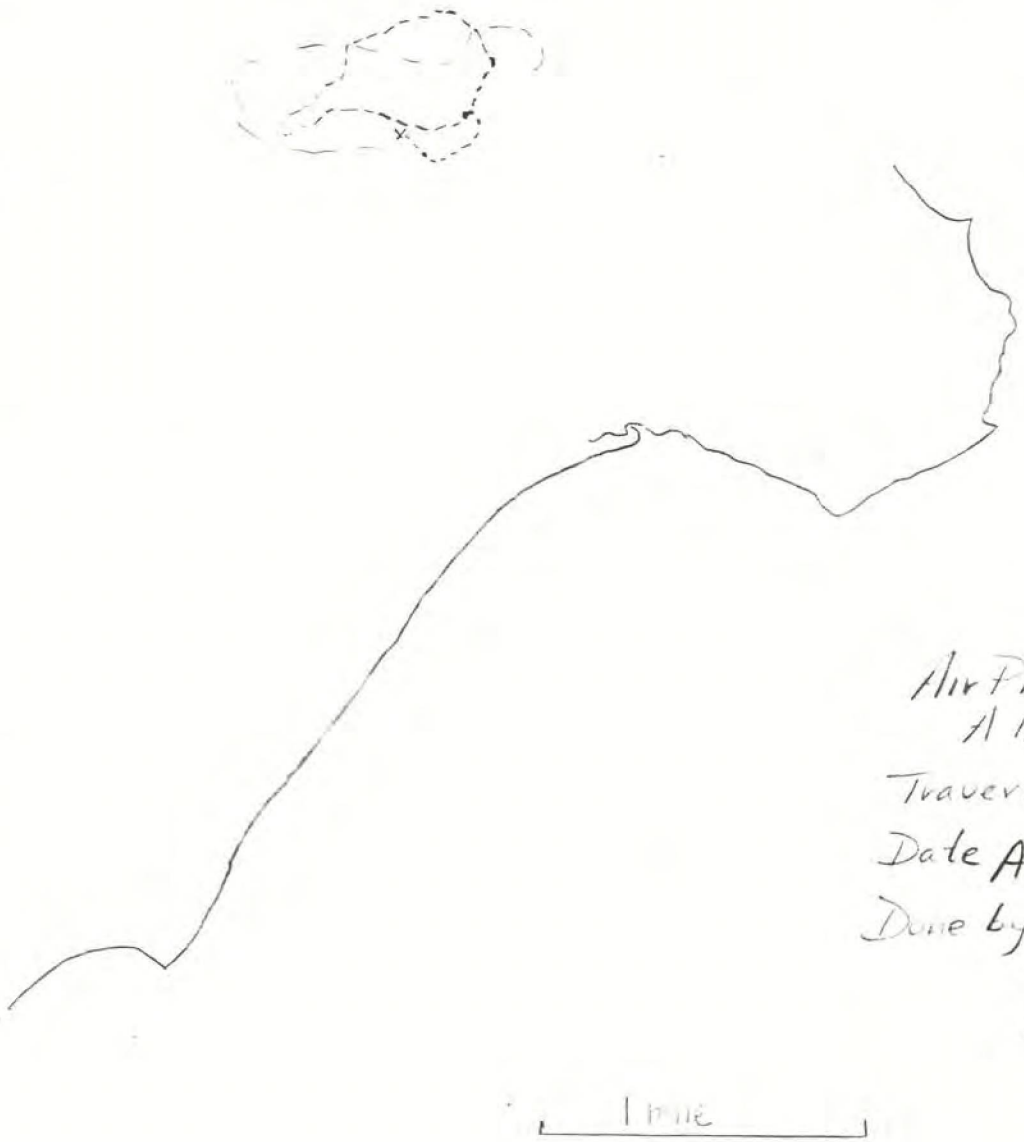
Scale

1 mile

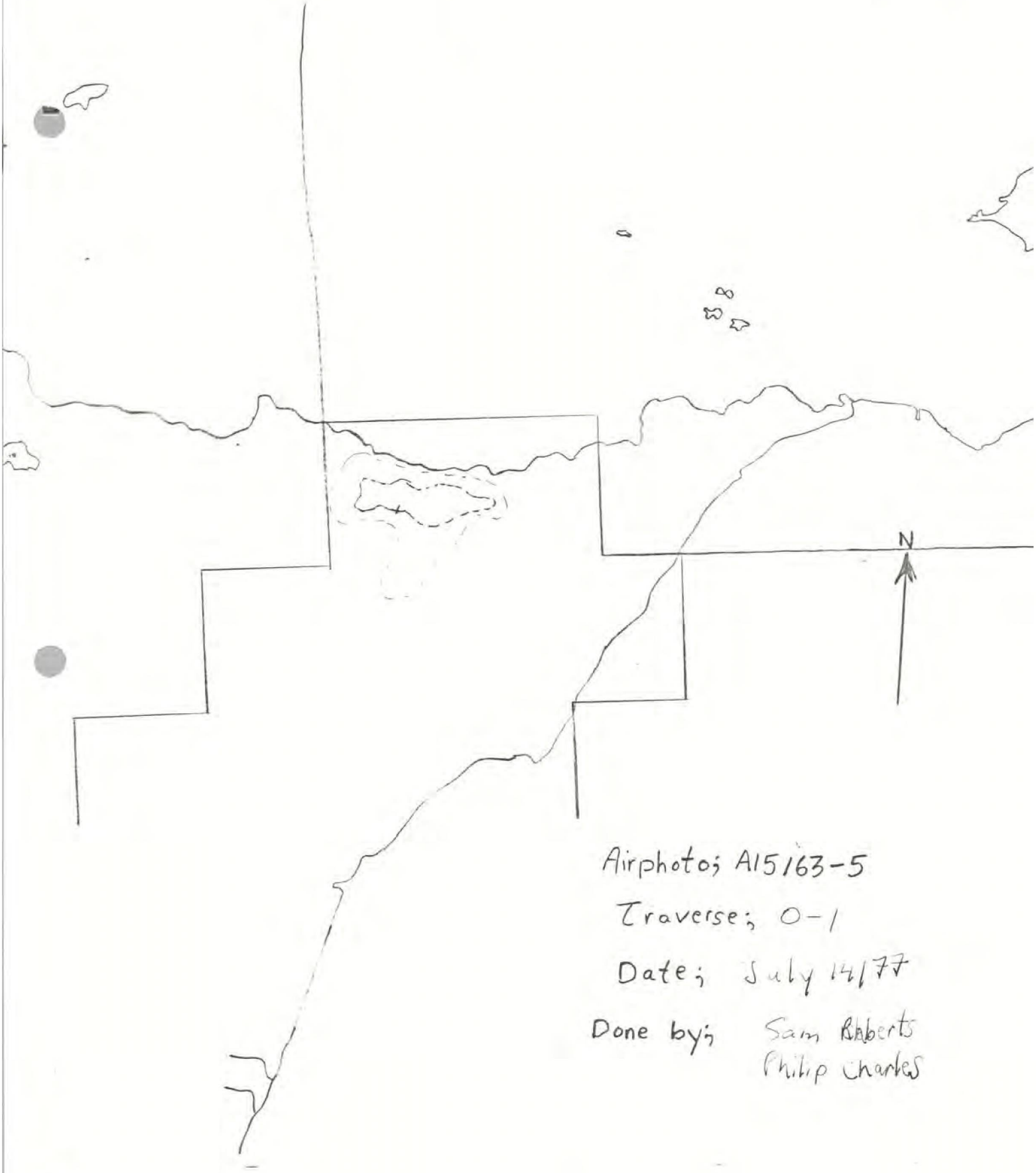
Airphoto# A15166-55
Traverse 9-41
Date Aug 12/77
Done by SAM
+
STANLEY


Airphoto* A15166-56
Traverse 9-42
Date Aug 13/77
Done by Phil. San
Harry
Scale
1 mile


Airphoto# A15166-56
Traverse 9-43
Date Aug./13/77
Done by WALLY
Scale STANLEY
1 mile



Air Photo
A 15163 - 4
Traverse 9-44
Date Aug./19/77
Done by WALLY McLeod
HARRY McLeod.



Airphoto; A15163-5

Traverse; O-1

Date; July 14/77

Done by; Sam Roberts
Philip Charles

Air Photo
A 15163-5

Traverse 0-2

Date July 19 '77

Done by Gordon Roberts
Oliver McLeod

Scale

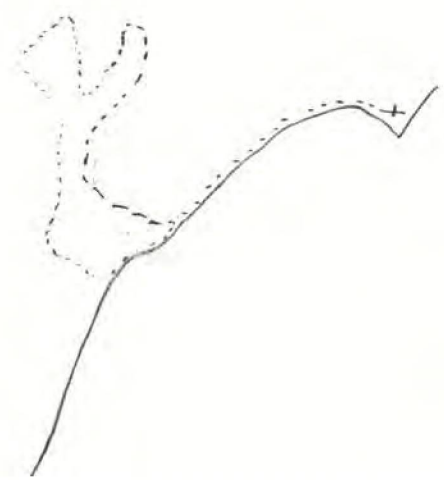
1 mile

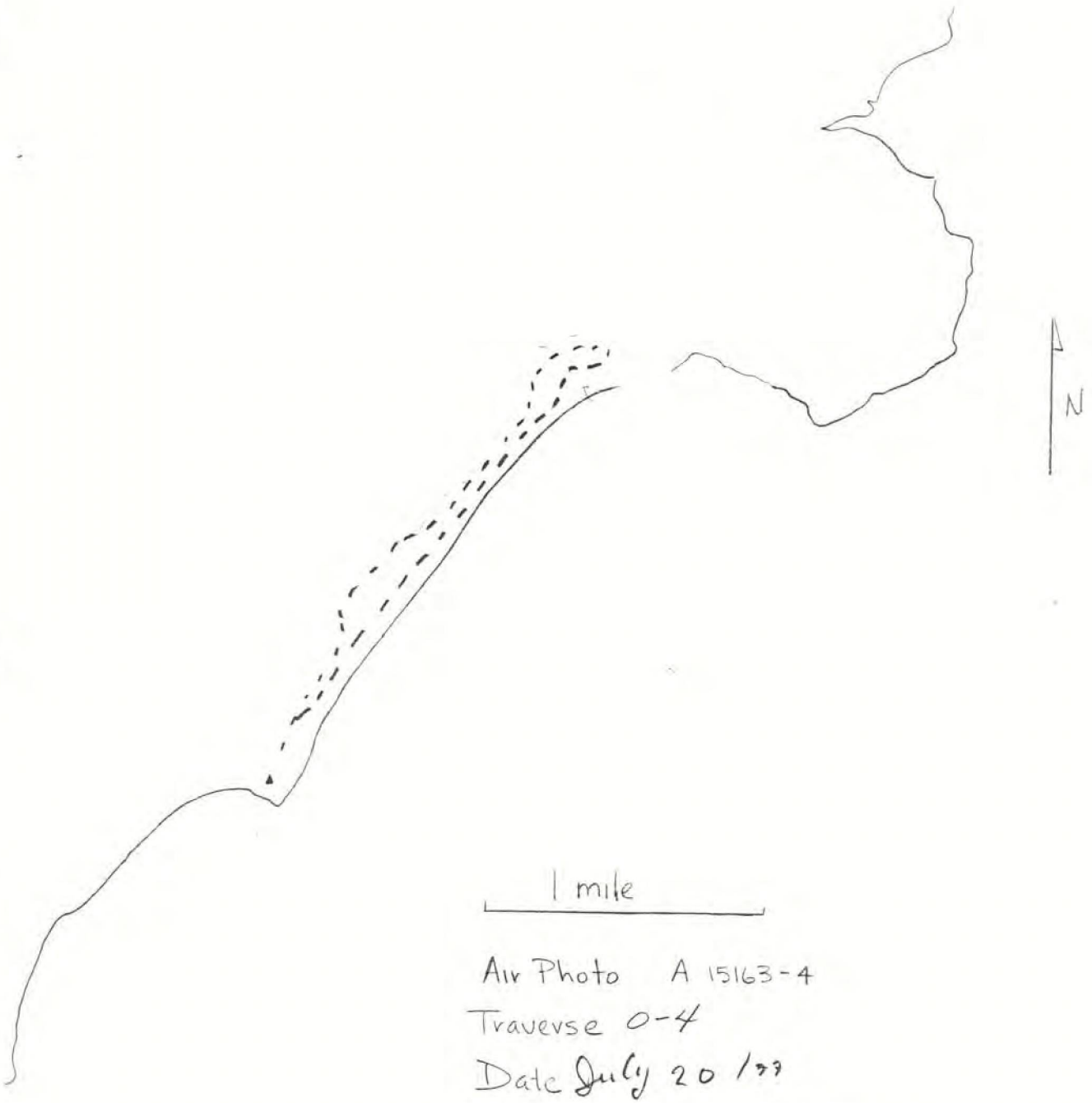
Photo # A15163-6

Date; July 20th

Traverse; 0-3

Done by Oliver McLeod
Gordon Roberts





Air Photo A 15163-4

Traverse 0-4

Date July 20 /77

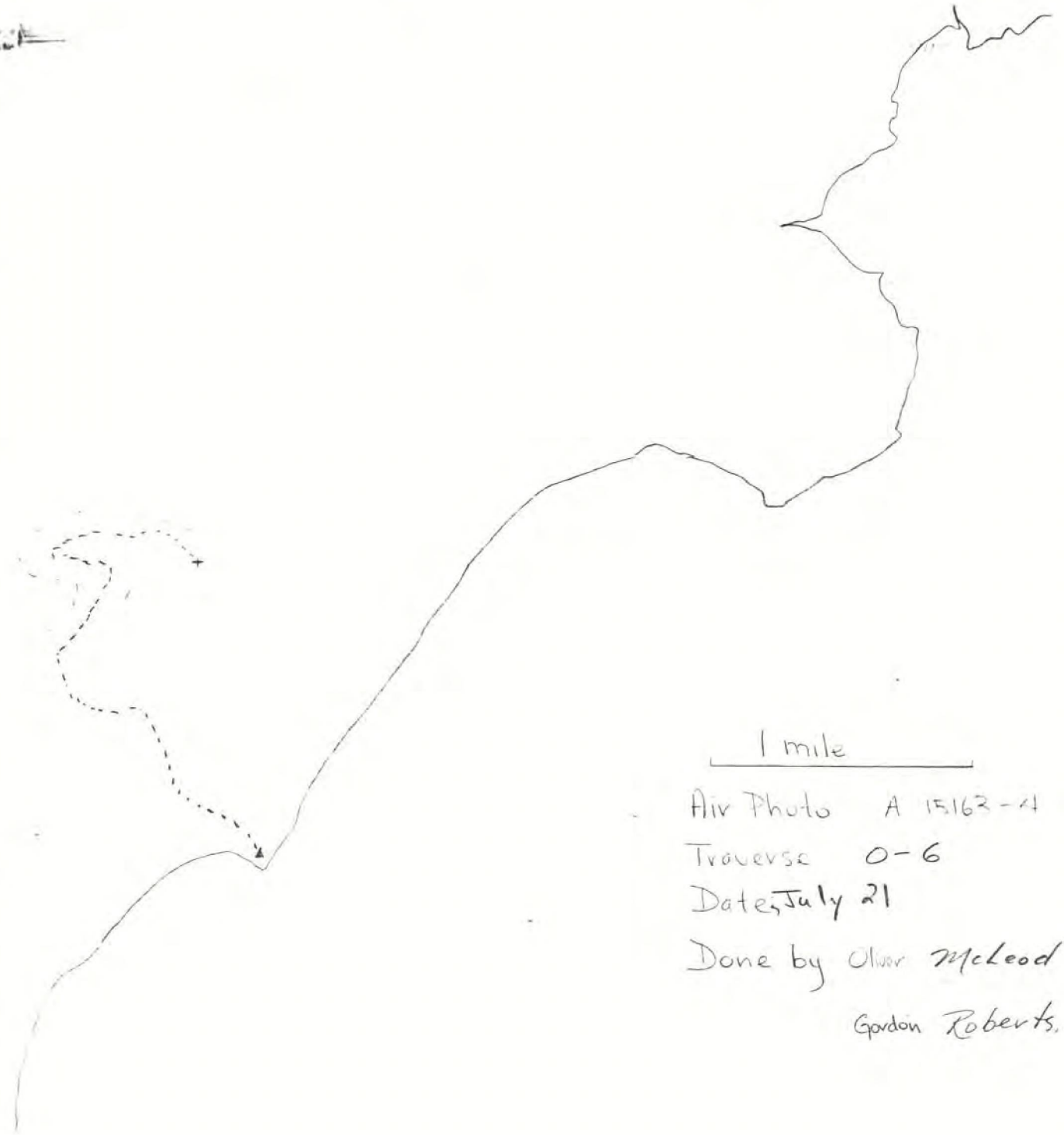
Done by Isaac Charles
Tom Miterick
Wally McLeod

Air photo # A15163-4

Date; July 21 ST /77

Traverse; 0-5

Done by Isaac Charle
Tom Mitevick
Walley McLeod.



1 mile

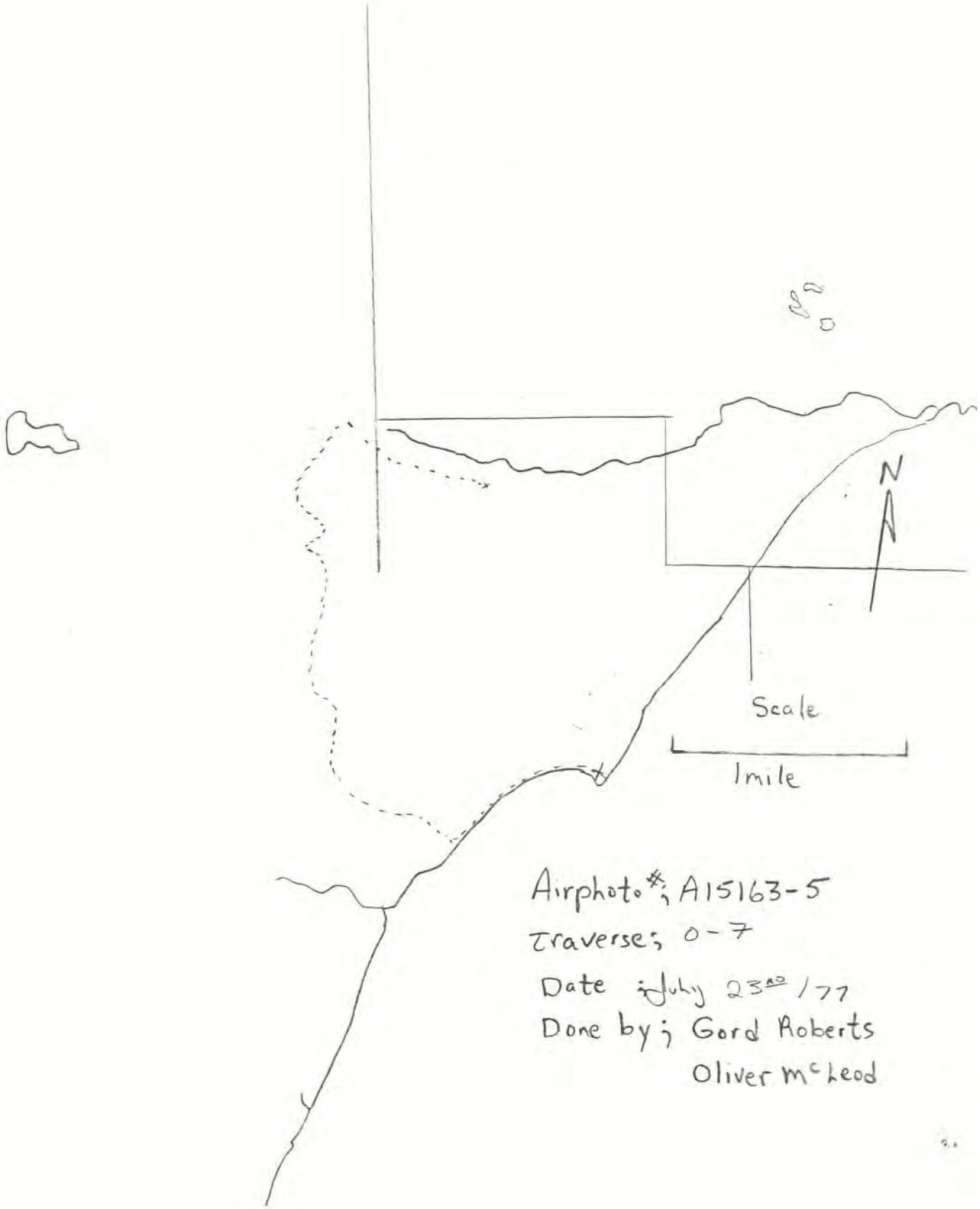
Air Photo A 15162-21

Traverse 0-6

Date July 21

Done by Oliver McLeod

Gordon Roberts.



Airphoto #; A15163-5
Traverse; 0-7
Date ; July 23rd /77
Done by ; Gord Roberts
Oliver McLeod


29
N
Airphoto #; A15163-5
Traverse; 0-8
Date; July 23 /77
Scale
1 mile
Done by Isaac Charles. → 1
Tom Miterick
Wally McLeod

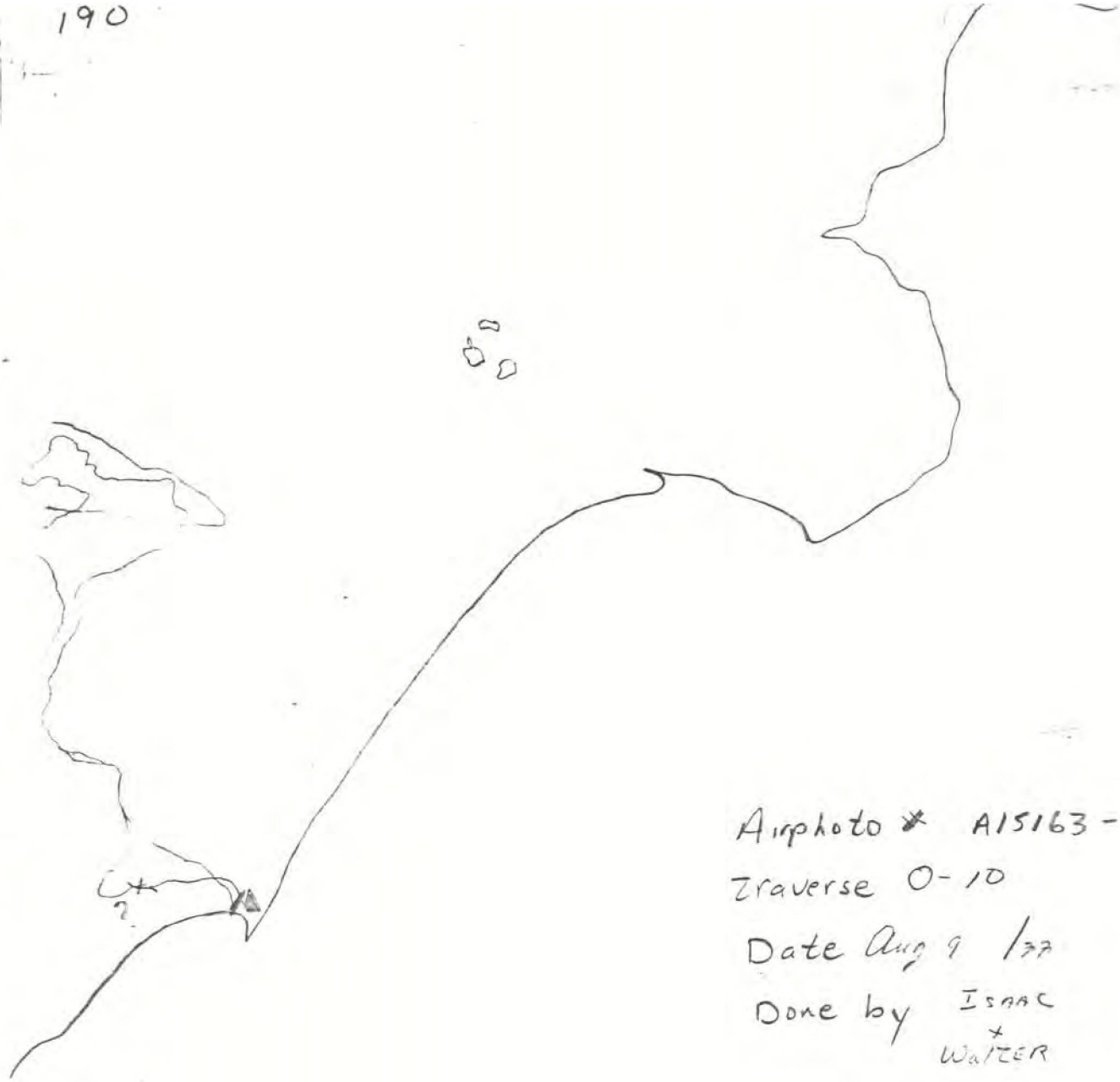
190.

N

1 mile

Air Photo 15163-6
Traverse 0 - 9
Date July 30/77
Done by
Sam + Norman

190



Airphoto # A15163-4

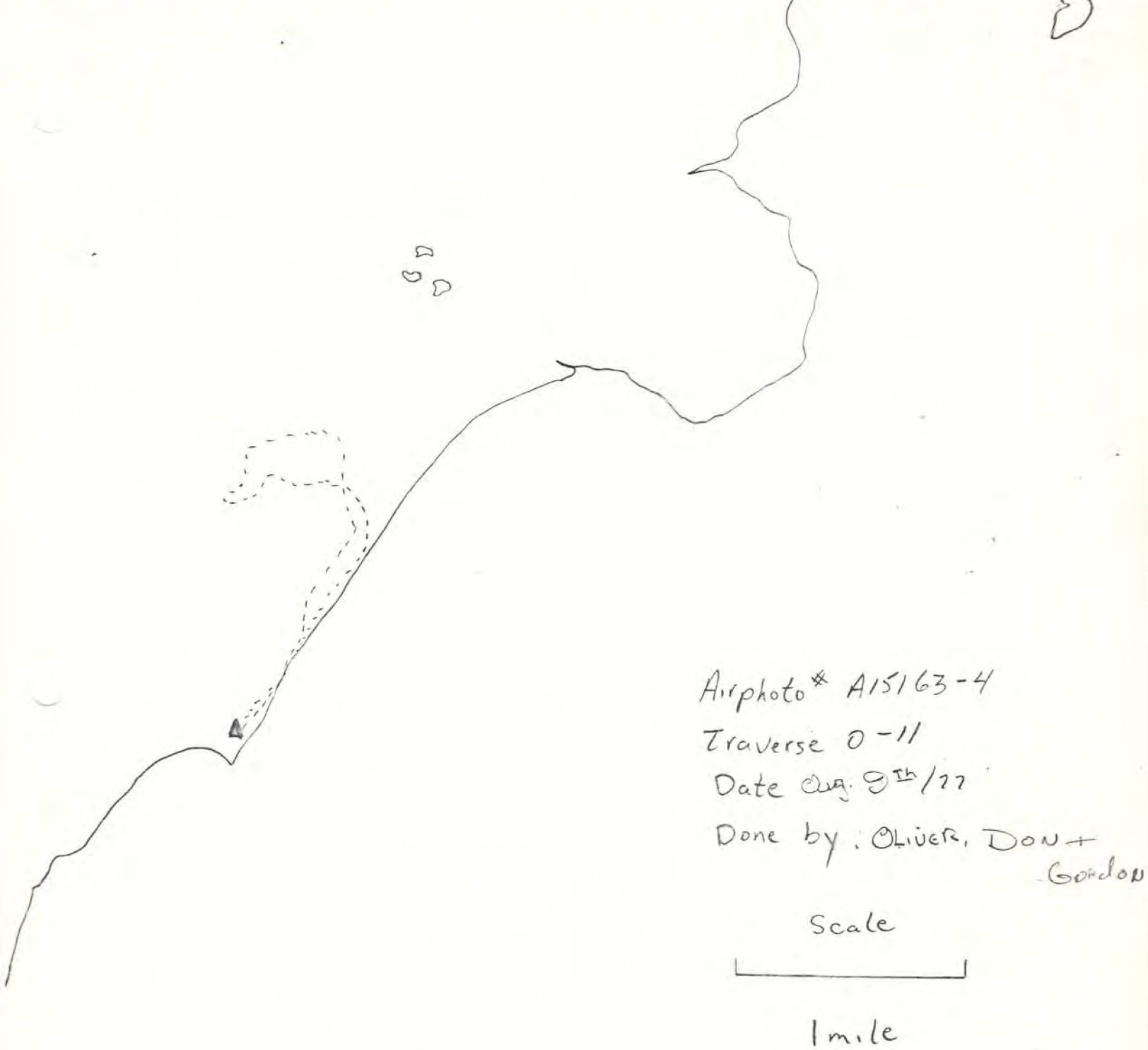
Traverse 0-10

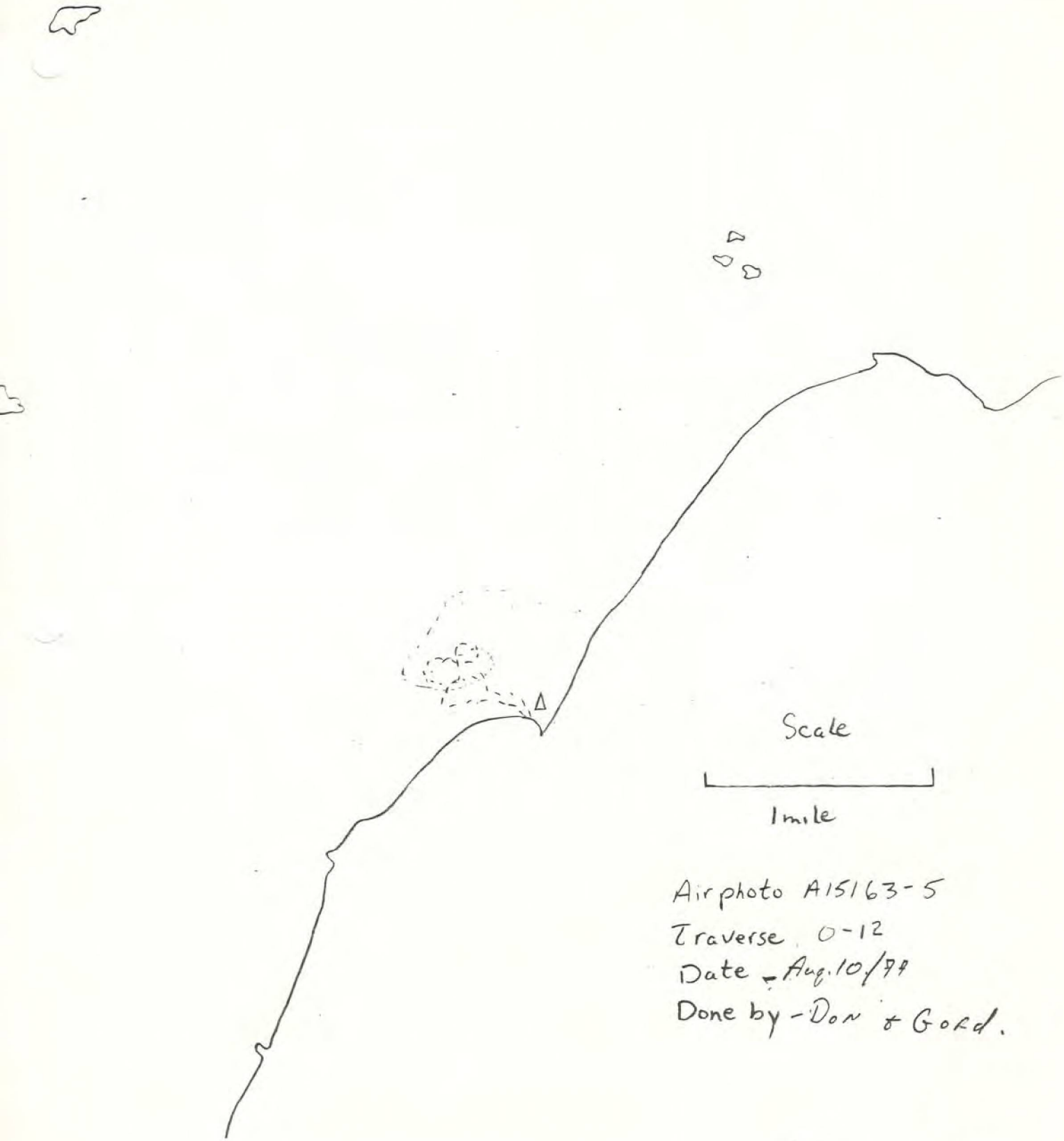
Date Aug 9 /77

Done by Isaac + Walter

Scale

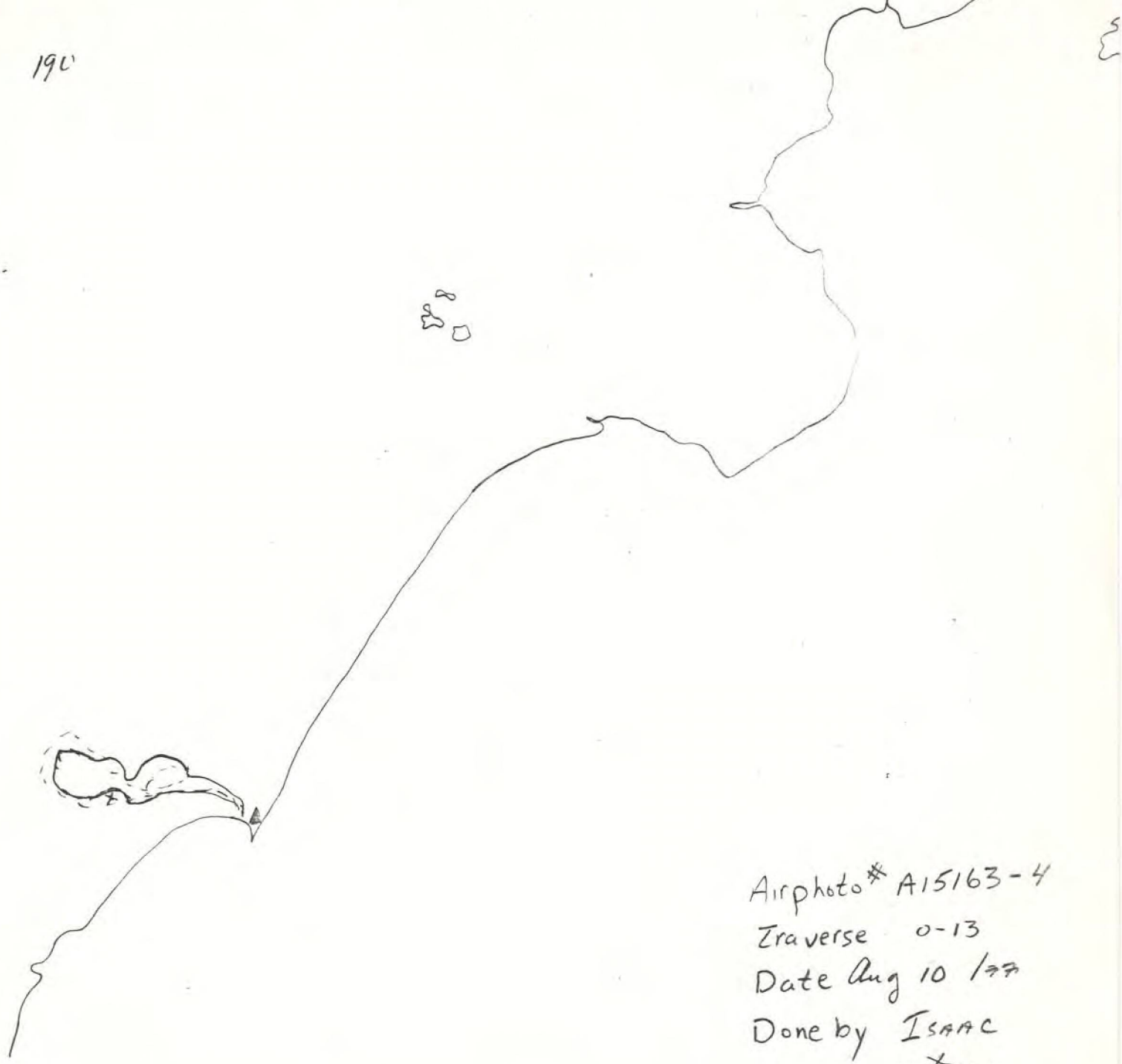
1 mile


Airphoto* A15163-4
Traverse 0-11
Date Aug. 9th/77
Done by: Oliver, Don + Gordon
Scale
1 mile



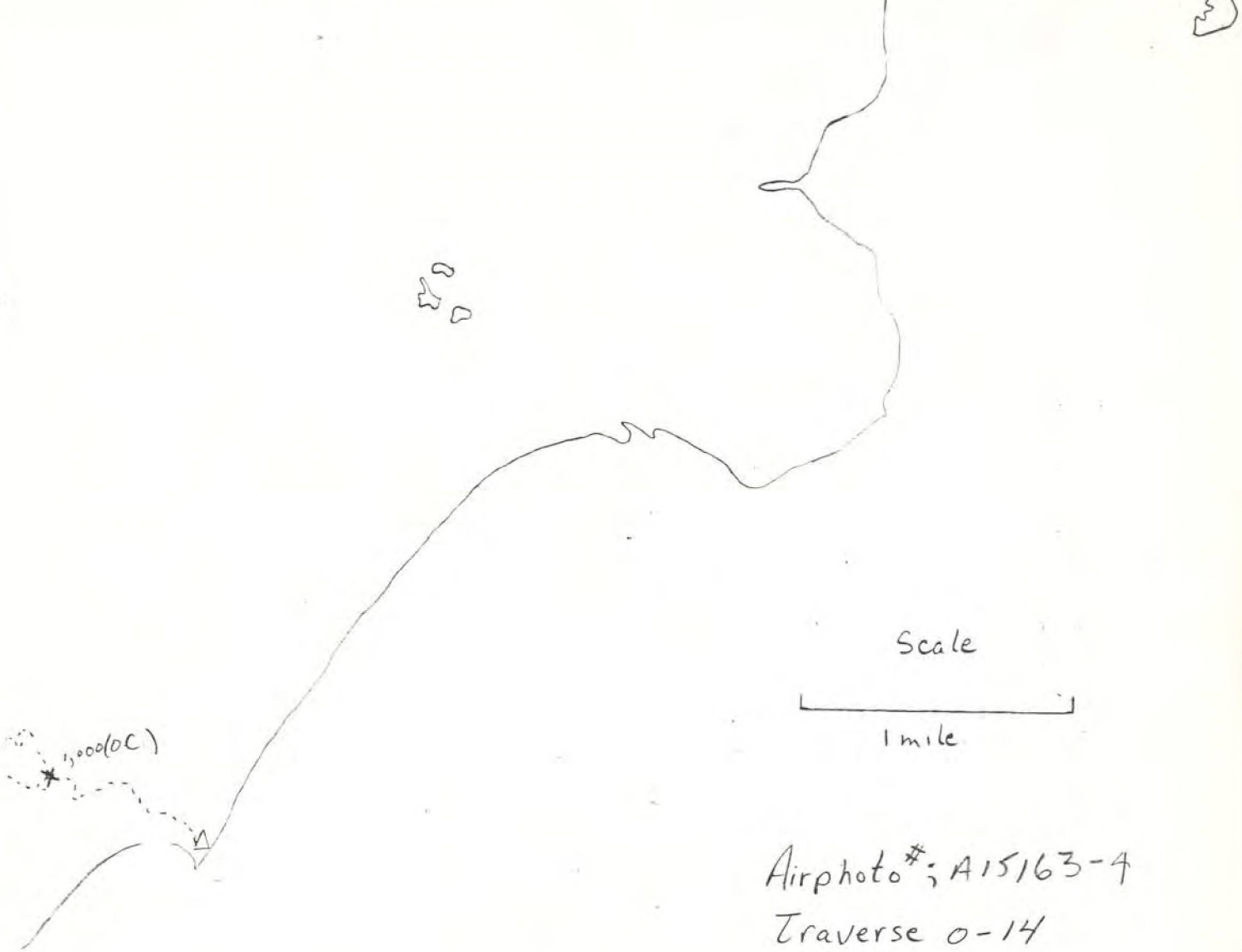
Airphoto A15163-5
Traverse 0-12
Date - Aug. 10/79
Done by - Don & Gord.

190



Airphoto # A15163-4
Traverse 0-13
Date Aug 10 /77
Done by ISAAC + WALTER
Scale

1 mile

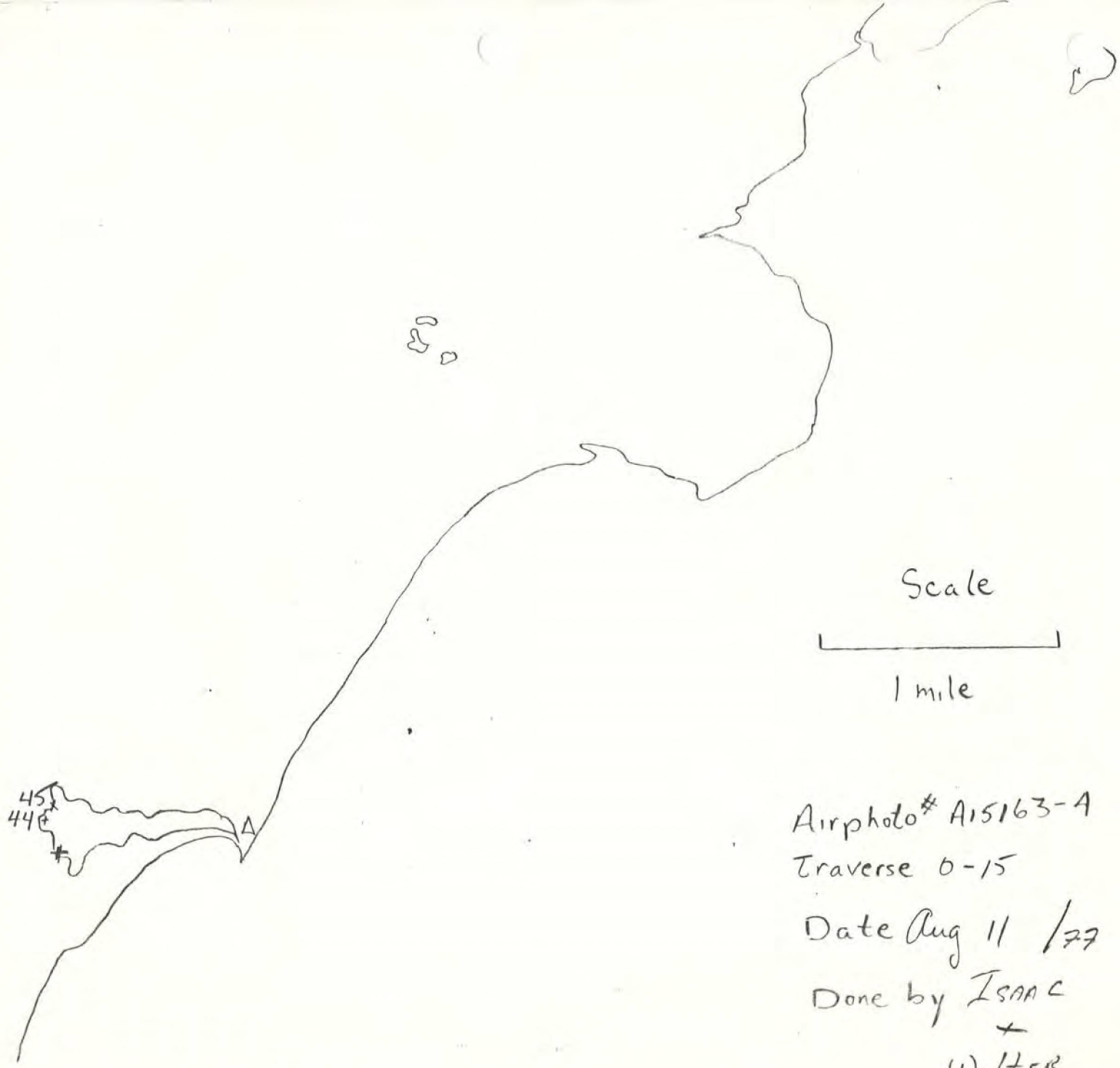


Airphoto #; A15163-4

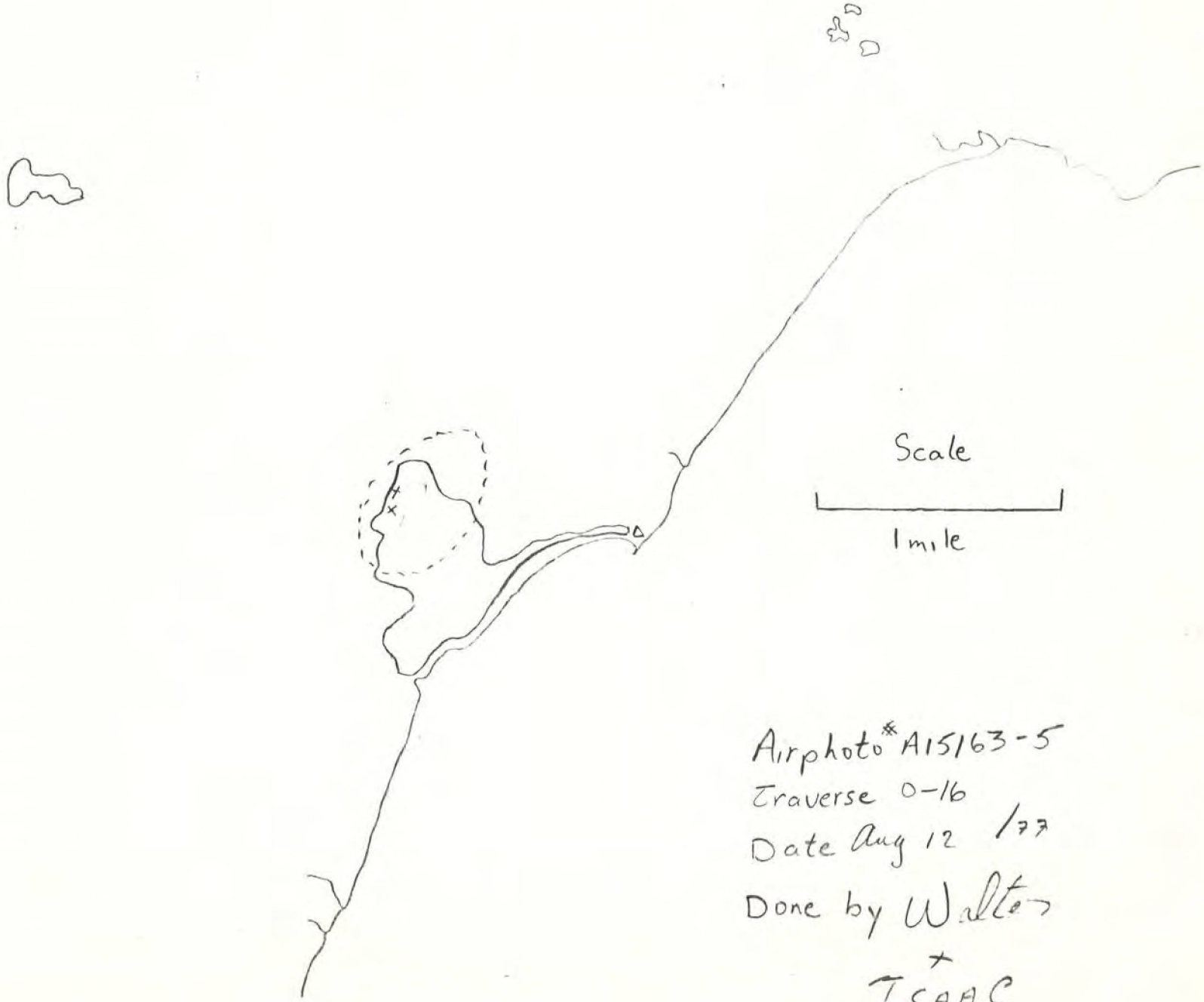
Traverse 0-14

Date - Aug. 11/77

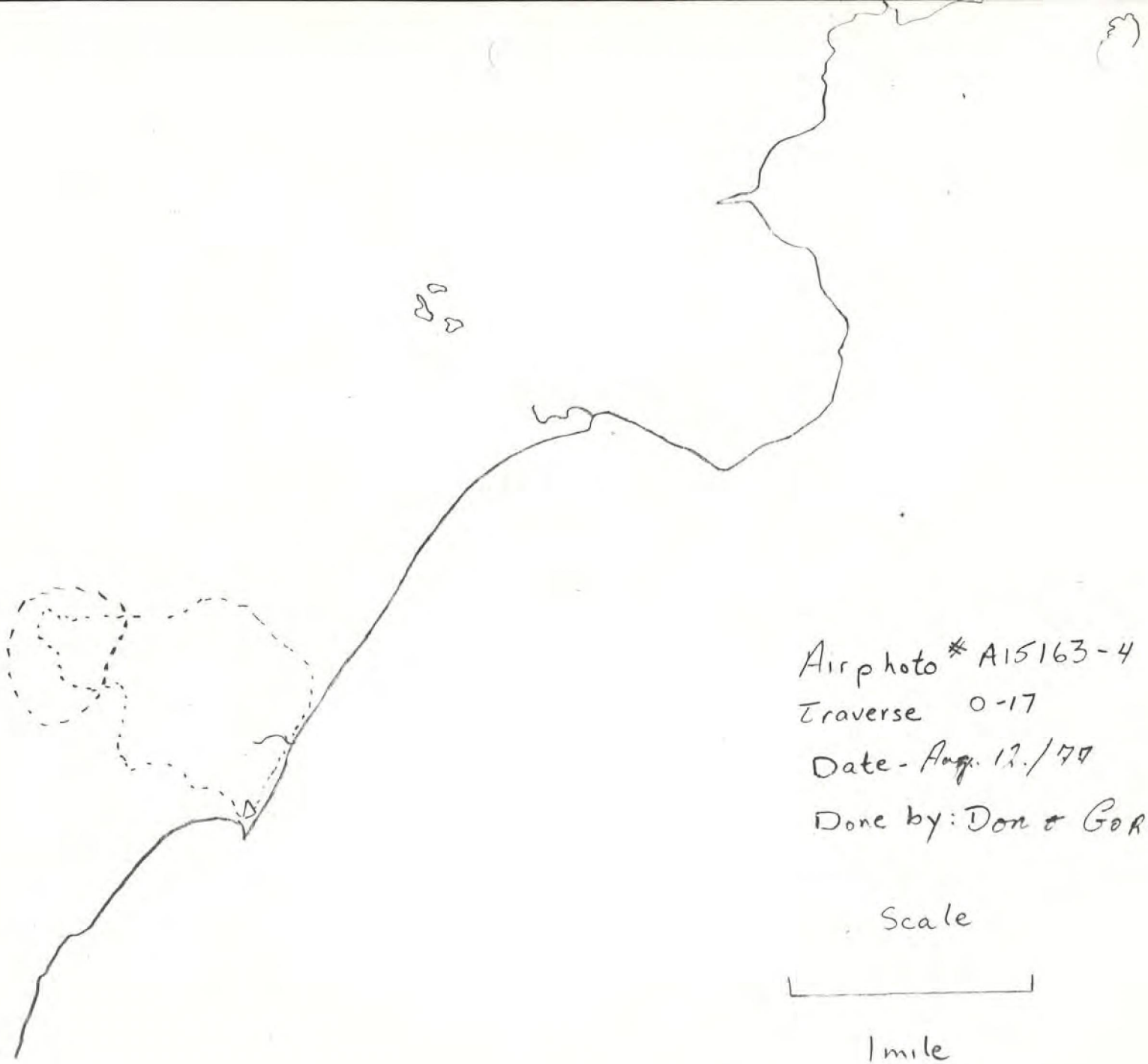
Done by - Don & Gord



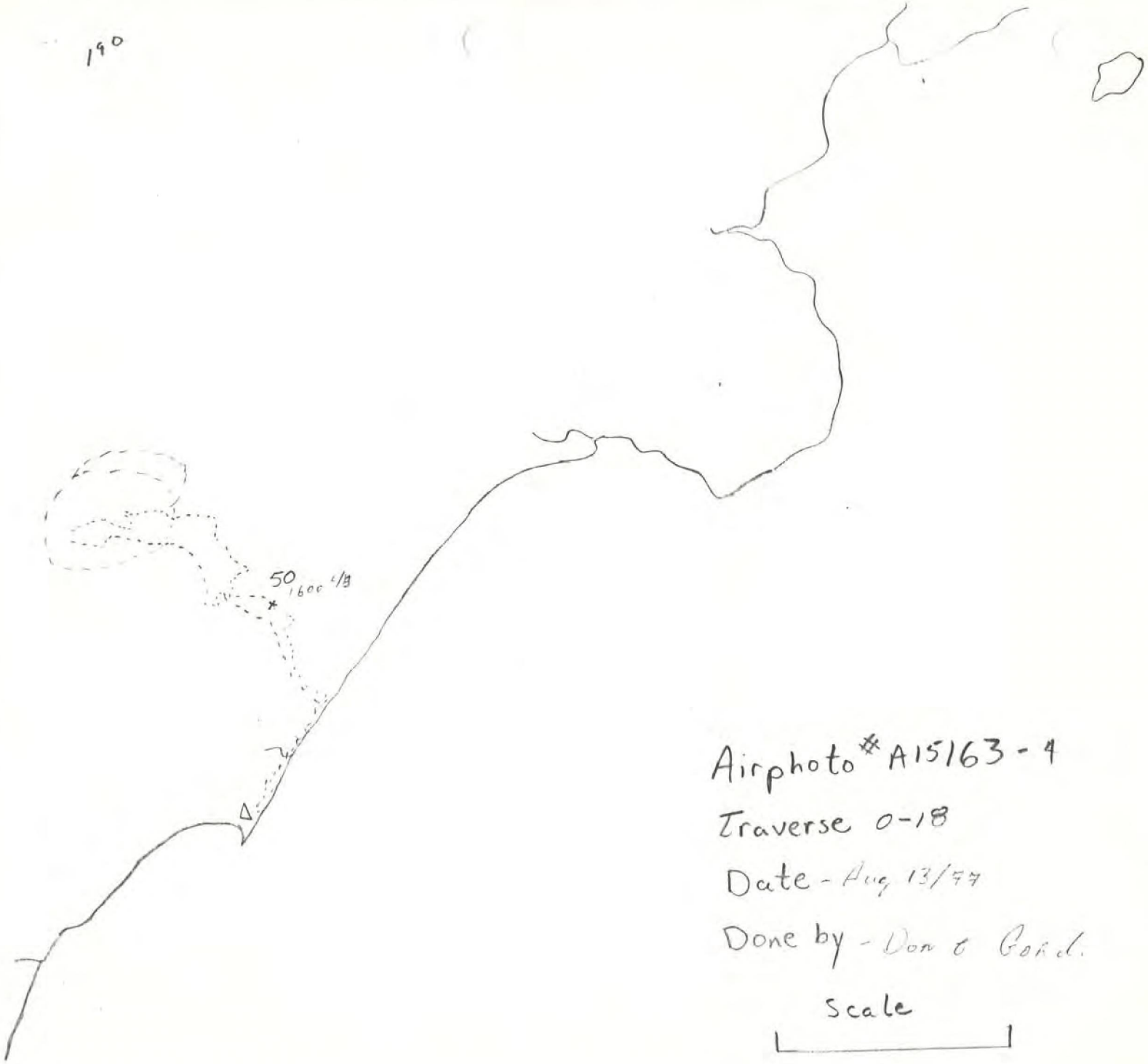
Airphoto# A15163-A
Traverse 0-15
Date Aug 11 /77
Done by ISAAC + WALTER



Airphoto # A15163-5
Traverse 0-16
Date Aug 12 /77
Done by Walton
ISAAC


Airphoto # A15163-4
Traverse 0-17
Date - Aug. 12/77
Done by: Don & Gord.
Scale
1 mile

190



Airphoto # A15163 - 4

Traverse 0-18

Date - Aug 13/77

Done by - Don & Gord.

Scale

1 mile

190

Airphoto* A15163-4

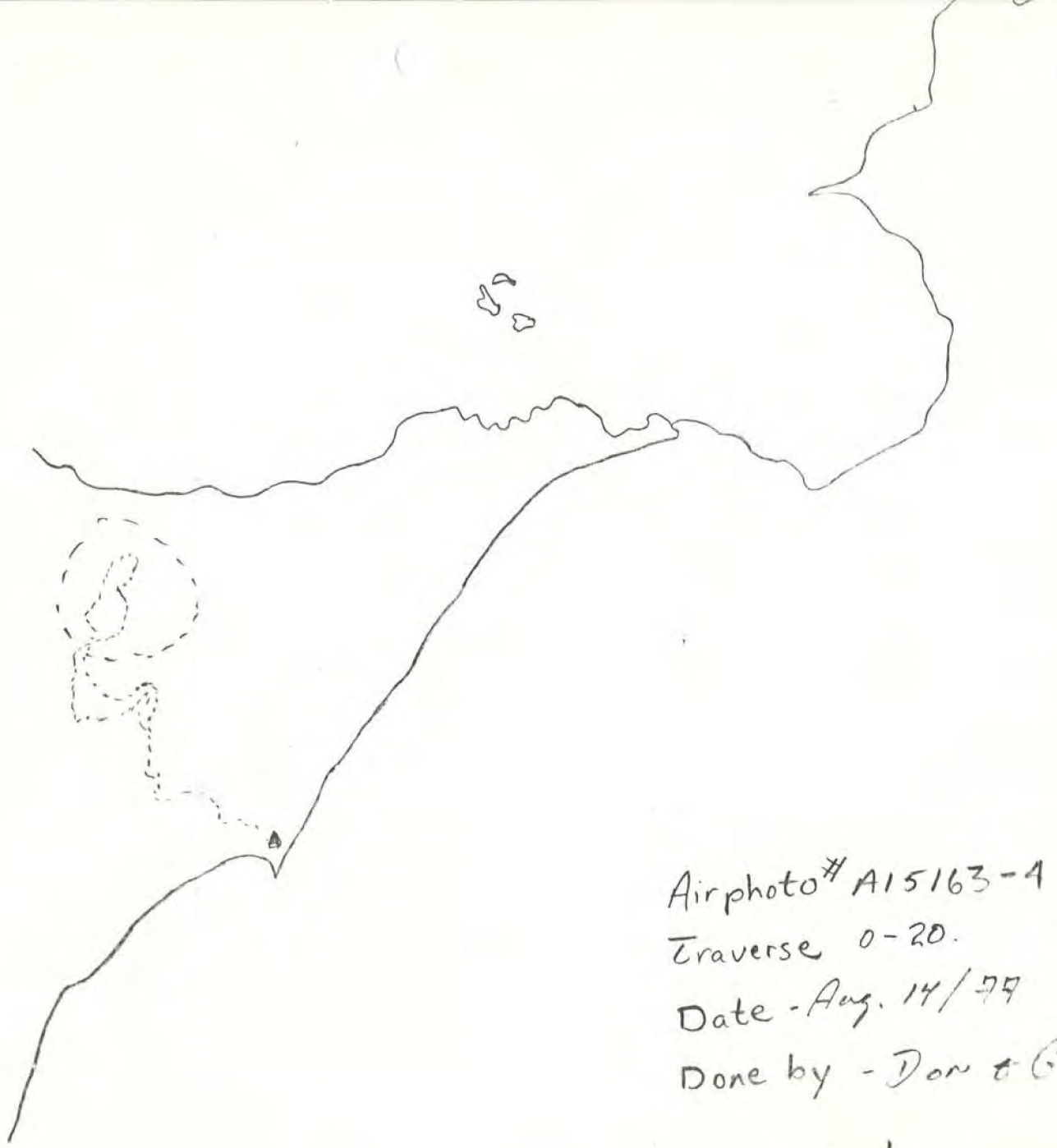
Traverse 0-19

Date Aug 13 /77

Done by Walter x ISAAC

Scale

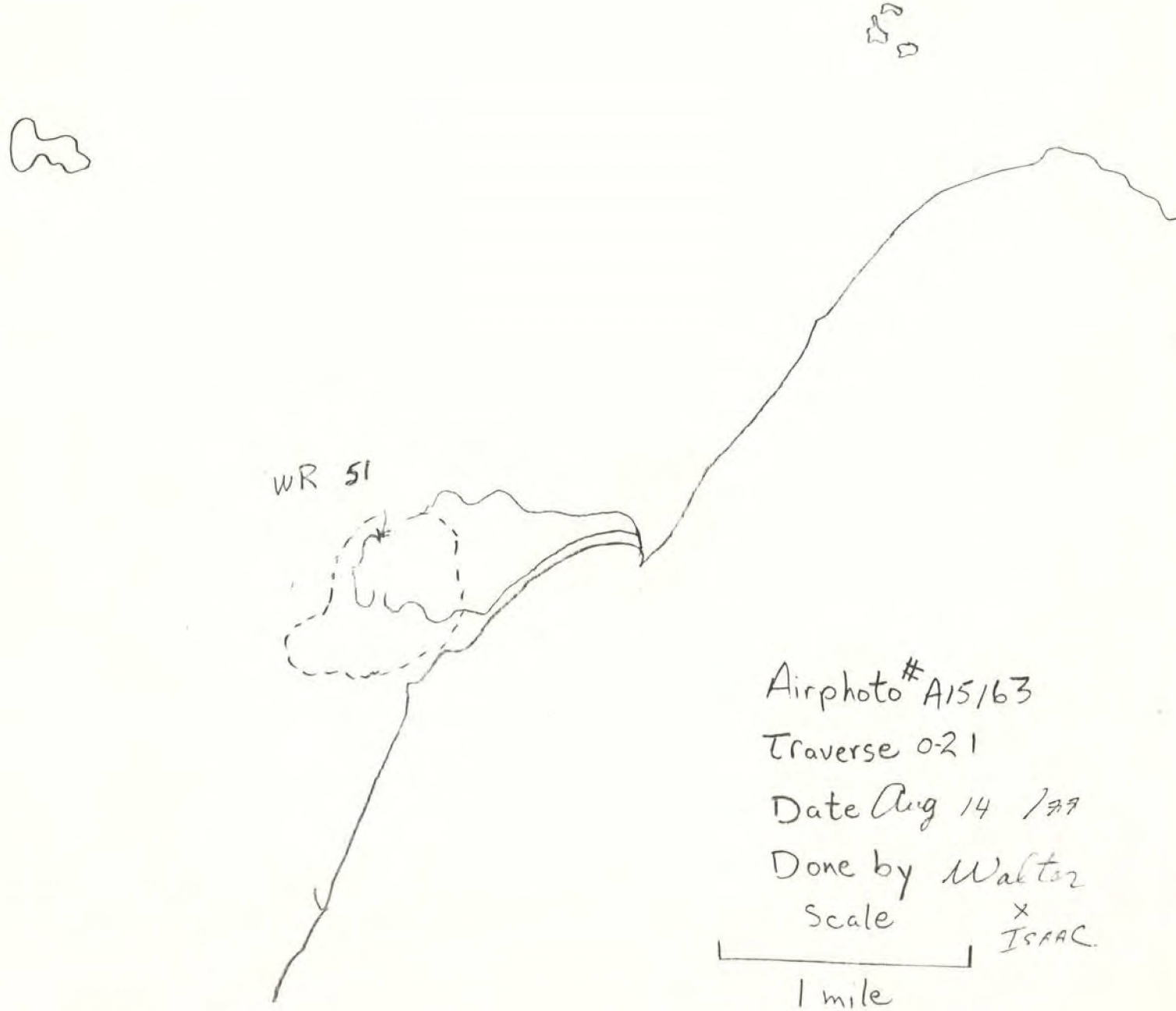
1 mile

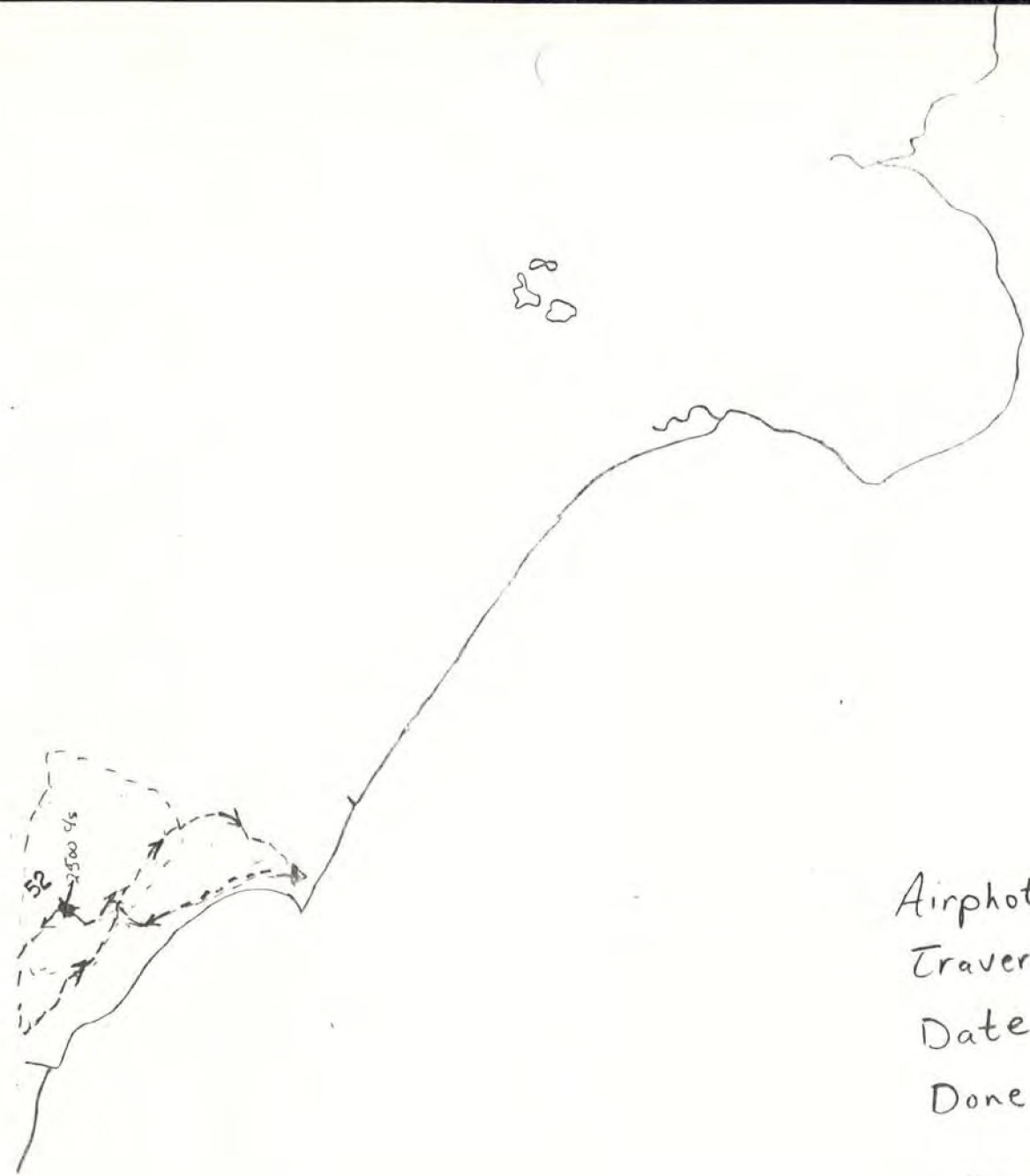


Airphoto# A15163-4
Traverse 0-20.
Date - Aug. 14/79
Done by - Don & Gord.

Scale

1 mile


WR 51
Airphoto # A15163
Traverse 0-21
Date Aug 14 /77
Done by Walter
x
ISAAC
Scale
1 mile



Airphoto# A15163-4

Traverse 0-22

Date Aug. 15th/77

Done by STANLEY + DON

Scale

1 mile

Airphoto # A15163-4

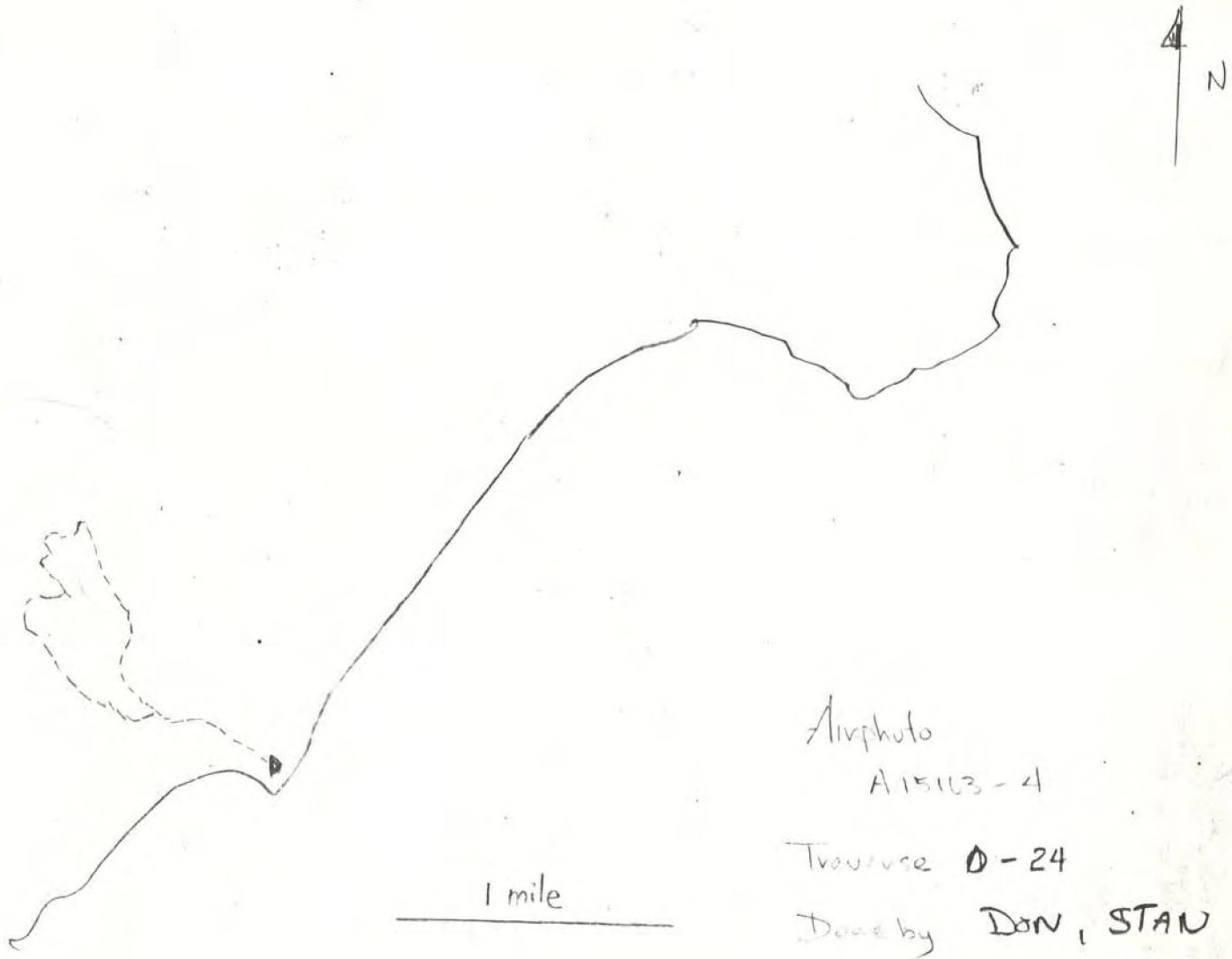
Traverse 0-23

Date Aug./15/77

Done by WALLY
HARRY

Scale

1 mile

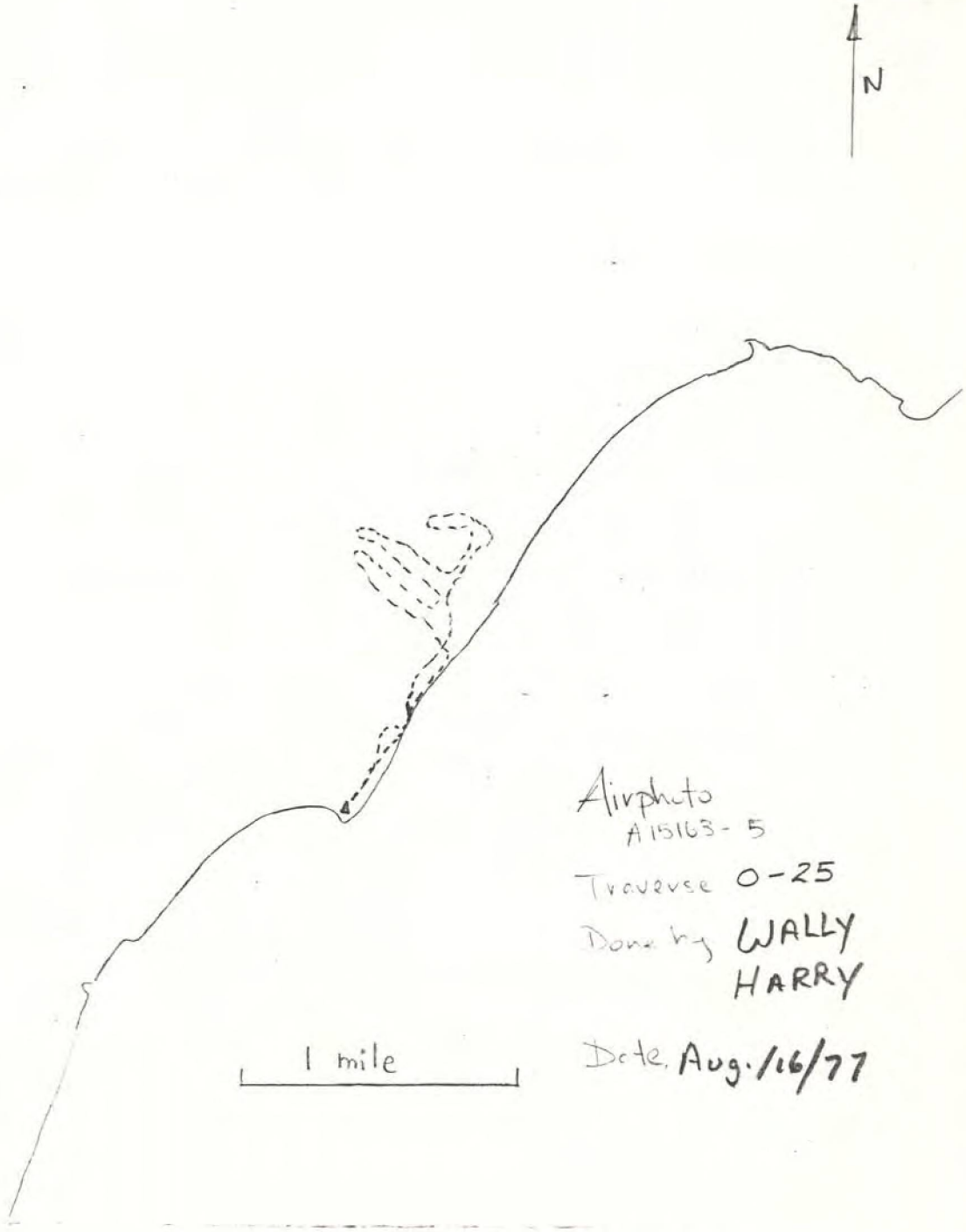


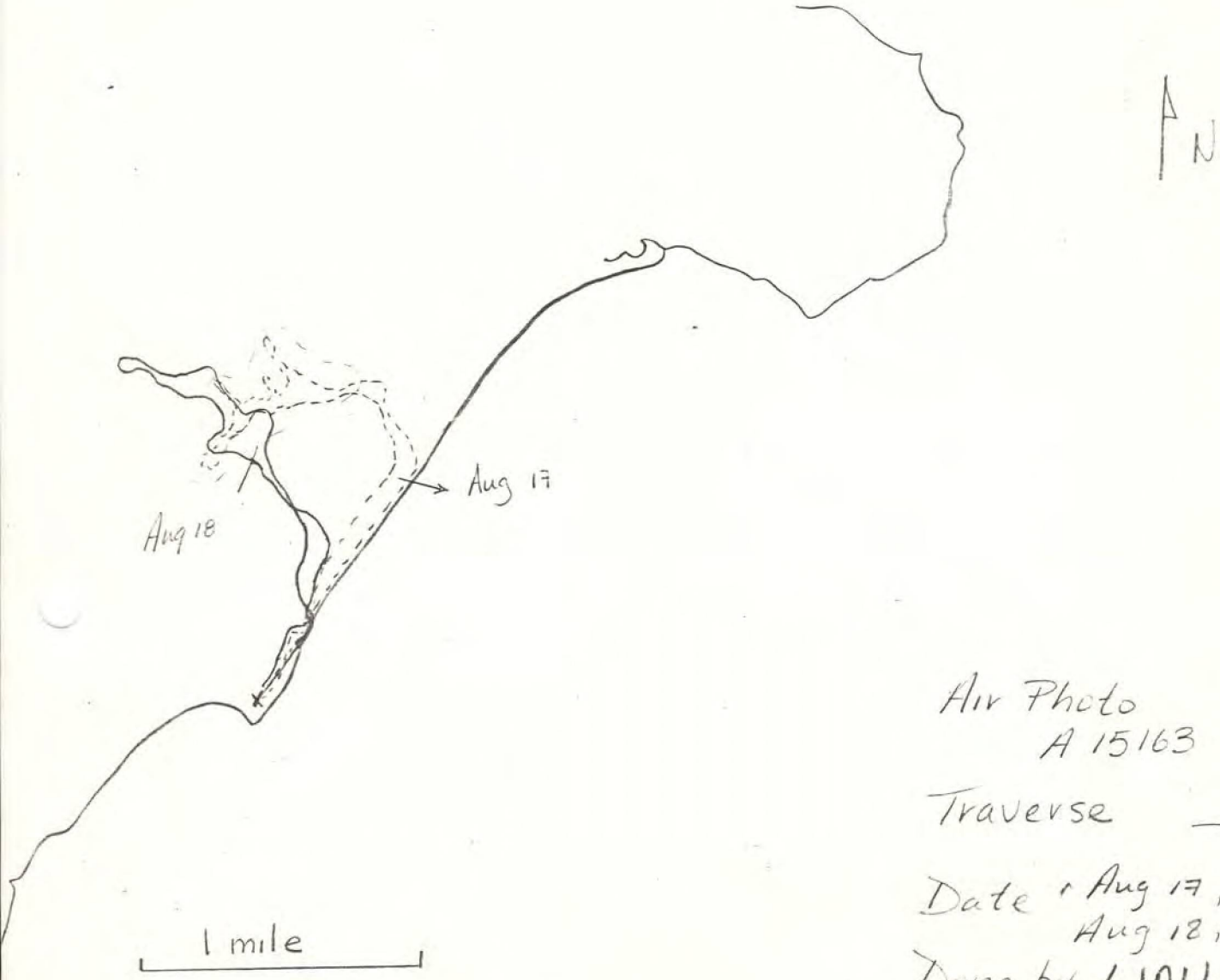
Airphoto
A15163 - 4

Traverse D - 24

Done by DON, STAN

Date Aug. 16th/77


N
Airphoto
A15163-5
Traverse 0-25
Done by WALLY
HARRY
Date. Aug. 16/77
1 mile

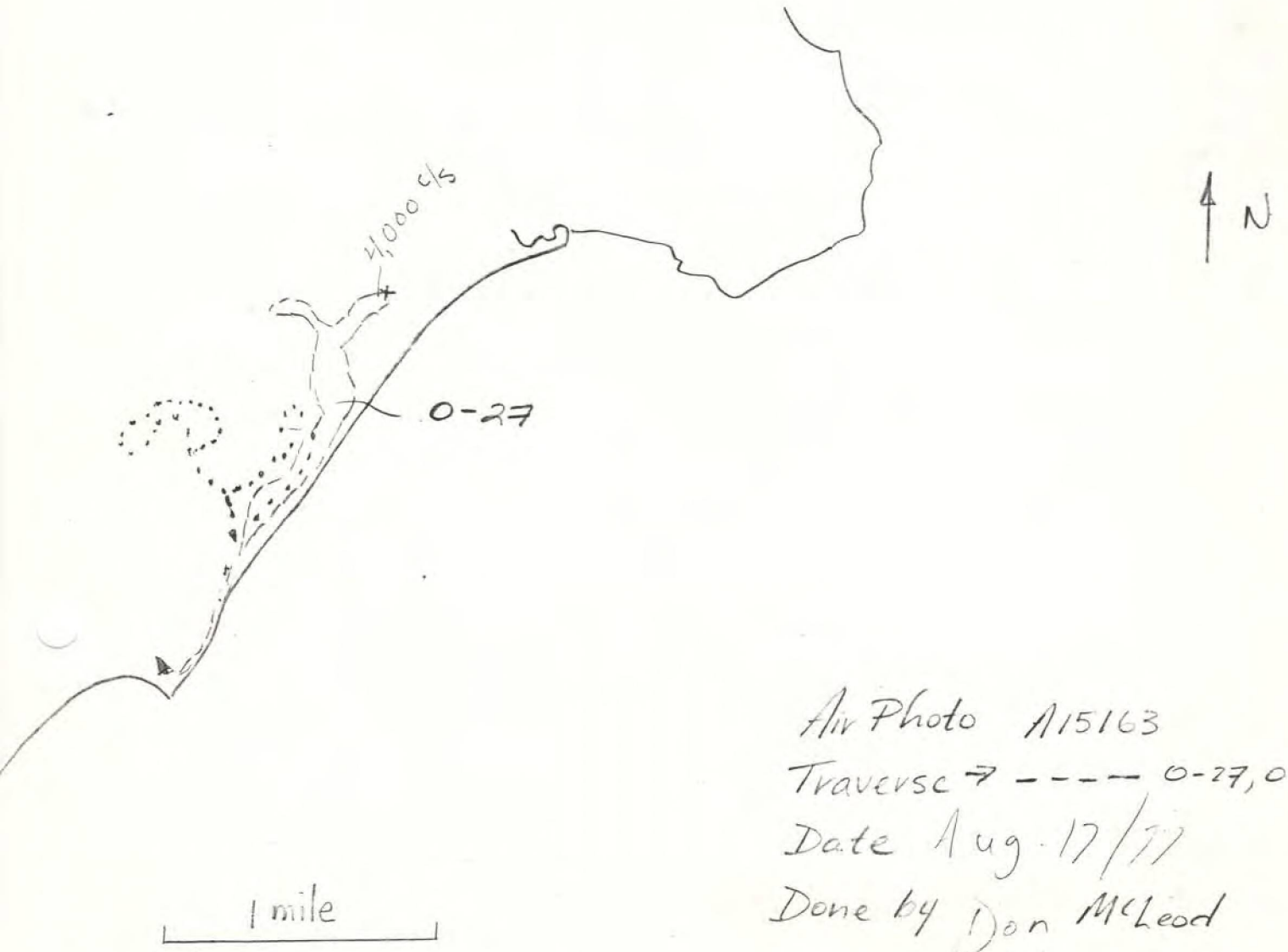


Air Photo
A 15163

Traverse

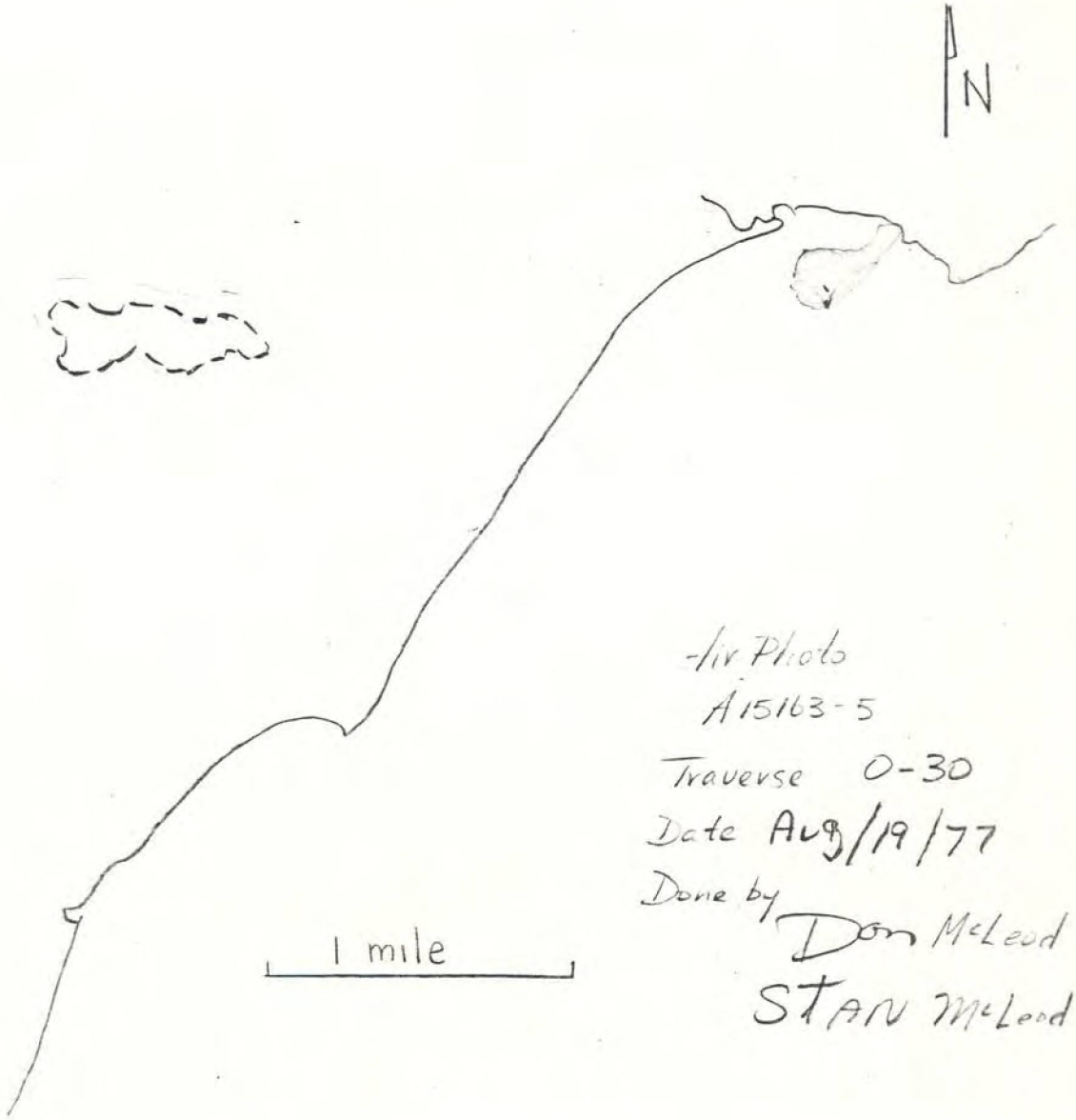
Date : Aug 17, 0-26
Aug 18, 0-27

Done by WALLY McLeod
HARRY McLeod



Air Photo A15163
Traverse → ---- 0-27, 0-28
Date Aug. 17/77
Done by Don McLeod
+
Stanley McLeod

Traverse for / Aug 18/77 ....
↓
....



Air Photo
A15163-5
Traverse 0-30
Date Aug/19/77
Done by Don McLeod
STAN McLeod

BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110

Geochemical Lab Report

Extraction: Ni, U

Method: A.A. Fission Track

Fraction Used: as received.

Report No. 541-7

From: Uranerz Exploration and Mining Limited
Project: 71-41

Date: June 29, 1977

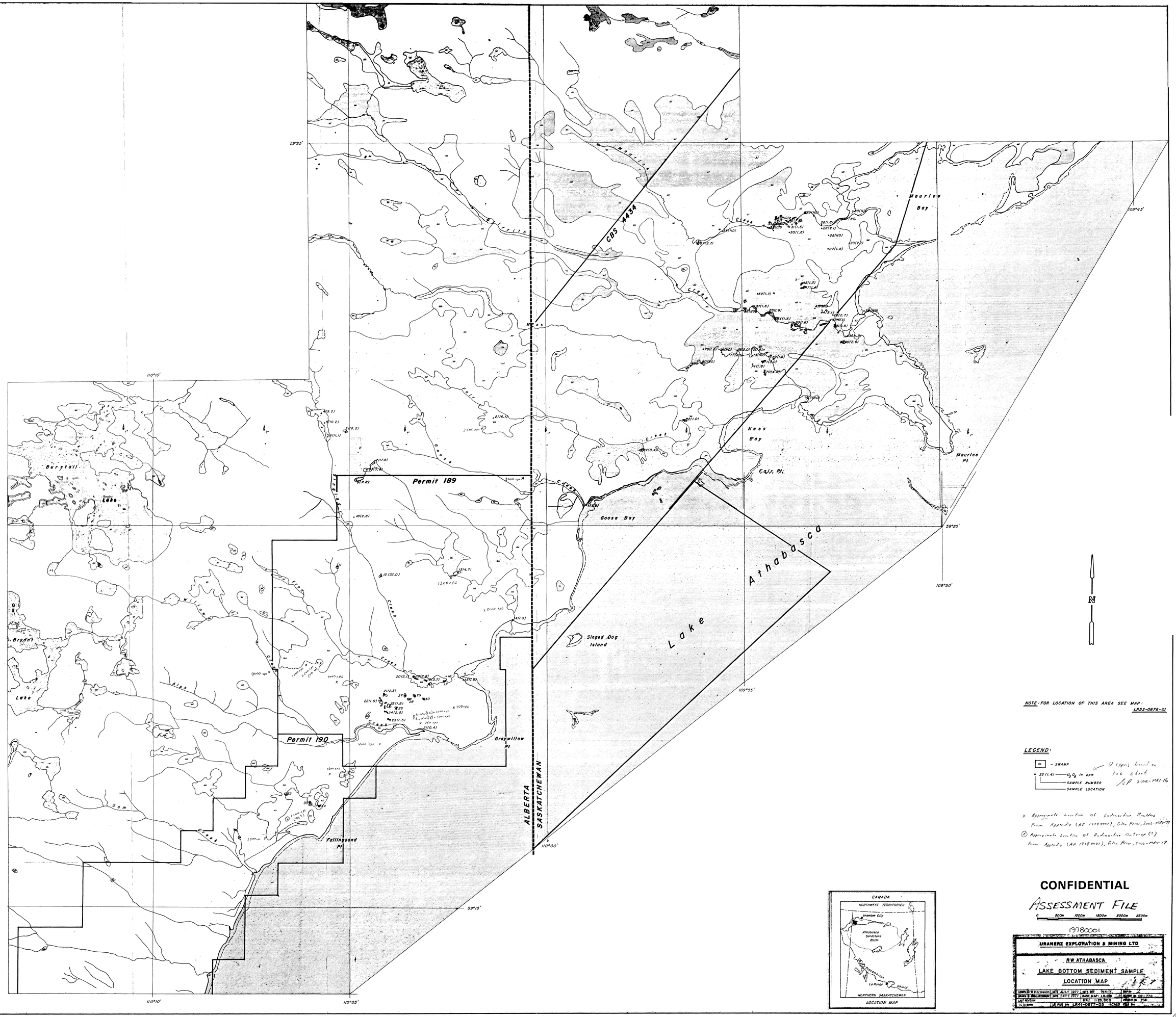
SAMPLE NO.		Ni ppb	U ppb		SAMPLE NO.		Ni ppb	U ppb	
FS - 1		1	0.35		FS - 34		1	0.05	
2		ND	0.45						
3		1	0.04			ND Not detected			
4		2	0.14						
5		1	0.15						
6		1	0.21						
7		1	0.37						
8		1	0.21						
9		2	0.17						
10		1	0.26						
12		2	0.48						
13		1	0.13						
14		2	0.23						
15		2	0.07						
17		1	0.23						
18		1	0.10						
19		ND	0.30						
20		ND	0.31						
21		1	0.20						
22		1	0.23						
23		2	0.04						
24		ND	0.11						
25		3	0.15						
26		2	0.06						
27		ND	0.06						

4		2	0.14						
5		1	0.15						
6		1	0.21						
7		1	0.37						
8		1	0.21						
9		2	0.17						
10		1	0.26						
12		2	0.48						
13		1	0.13						
14		2	0.23						
15		2	0.07						
17		1	0.23						
18		1	0.10						
19		ND	0.30						
20		ND	0.31						
21		1	0.20						
22		1	0.23						
23		2	0.04						
24		ND	0.11						
25		3	0.15						
26		2	0.06						
27		ND	0.06						
28		1	0.27						
29		1	0.05						
30		2	0.19						
31		ND	0.21						
32		1	0.25						
33		1	0.23						

16474		1.9			16510/3-32		4.4		
16475		1.8			16511/3-33		4.7		
16476		2.5			16512/3-34		3.1		
16477		1.5			16513/3-35		4.3		
16478 31		0.4			16514 /3-36		3.5		
16479/~~331~~ 30-1	4430	2.8			16515 /3-37		2.9		
16480/3-2 1	5523	34.0	A		16516 38		4.4		
16481/3-3 2		5.4			16517 39		3.9		
16482/3-4 3		11.6			16518 40		4.2		
16483/4-5 4		11.2			16519		5.1		
16484/3-6 5		8.4			16520		8.6		
16485/3-7 6		7.9			16521		6.4		
16486/3-8 7		9.3			16522 44		3.9		
16487/3-9		4.8			16523 45		11.1		
16488/3-10		3.1			16524 46		10.4		
16489/3-11		4.2			16525 47		6.0		
16490/3-12		7.2			16526 48		6.2		
16491/3-13		8.6			16527 49		9.5		
16492/3-14		41.0	A		16528		2.7		
16493/3-15		19.0			16529		9.9		
16494/3-16		5.4			16530		8.9		
16495/3-17		4.0			16531		12.6		
16496/3-18		6.7			16532		4.2		
16497/3-19		5.9			16533		5.1		
16498/3-20		6.3			16534		5.8		
16499/3-21		5.8			16535 53		8.6		


LAKE ATHABASCA
820
800
CANADA
NORTHWEST TERRITORIES
Yellowknife
Athabasca Sedimentary Basin
La Ronge
NORTHERN SASKATCHEWAN
LOCATION MAP
NOTE : FOR LOCATION OF THIS AREA SEE MAP: LR41-0378-02
Legend :
MAG. CONTOUR LINE (0 = 61,000 gammas)
Contour interval = 20 gammas
MAG. LOW
MAG. HIGH
INSTRUMENT USED : GEOMETRICS 816 MAG.
19780001
URANERZ EXPLORATION & MINING LTD.
NORTHWEST ATHABASCA
Ground Magnetometer Survey Contours
Falling Sand Point
1a
CONFIDENTIAL

9



NOTE: FOR LOCATION OF THIS AREA SEE MAP: LR53-0676-01

LEGEND:

- SWAMP
- 23 (1.4) — U_3O_8 in ppm
- SAMPLE NUMBER
- SAMPLE LOCATION

U (ppm) based on lab sheet LP 2002-MAY-16

x Approximate location of Radioactive Boulders From Appendix (AF 19780001), Glen Price, 2002-MAY-17

Approximate location of Radioactive Outcrop (?) From Appendix (AF 19780001), Glen Price, 2002-MAY-17

LOCATION MAP

CONFIDENTIAL

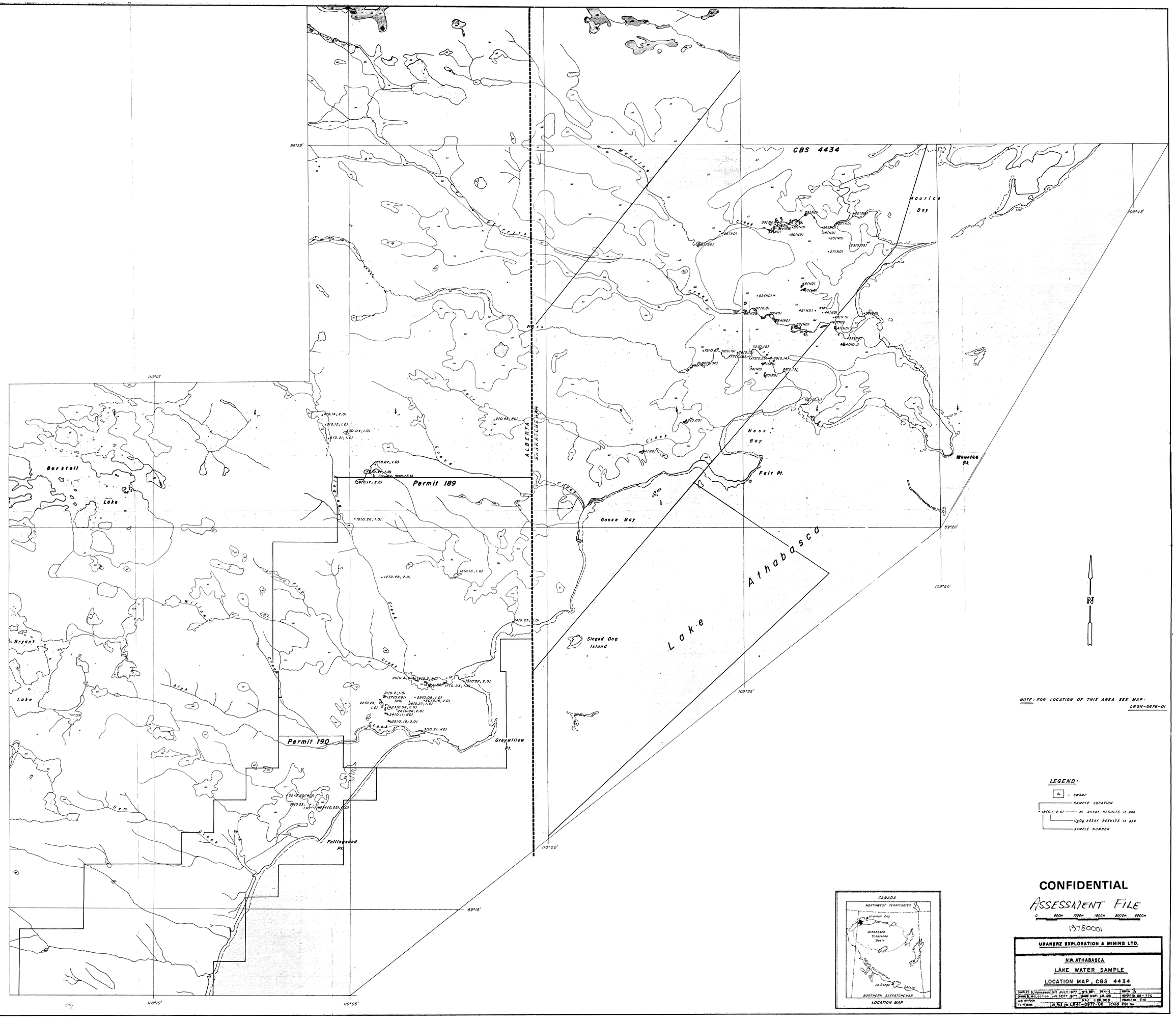
ASSESSMENT FILE

0 500m 1000m 1500m 2000m 2500m

19780001

URANERZ EXPLORATION & MINING LTD			
NW ATHABASCA			
LAKE BOTTOM SEDIMENT SAMPLE LOCATION MAP			
COMPILED G. Hermeson	DATE JULY 1977	MTS REF 74N-5	MAP No. 2
drawn B. Blackstock	DATE SEPT 1977	BASE MAP: LR-676	SAMPLE No. 26-770
LAST REVISION		SCALE 1:125,000	REPORT No. 7141
176 mm		LR FILE No. LR41-0977-05	CALG FILE No.

6


CBS 4434
Permit 189
Permit 190
Athabasca
Lake
Ness Bay
Maurice Bay
Maurice Pt.
Fair Pt.
Goose Bay
Singed Dog Island
Greywillow Pt.
Fallingsand Pt.
Burstall Lake
Bryant Lake
ALBERTA
SASKATCHEWAN
59°25'
59°20'
59°15'
110°10'
110°05'
110°00'
109°45'
109°50'
109°55'
N
NOTE: FOR LOCATION OF THIS AREA SEE MAP: LRGN-0676-01
LEGEND:
SWAMP
SAMPLE LOCATION
1B(0.1; 2.0) — Ni ASSAY RESULTS in ppb
UgOg ASSAY RESULTS in ppb
SAMPLE NUMBER
CANADA
NORTHWEST TERRITORIES
Uranium City
Athabasca Sandstone Basin
La Ronge
NORTHERN SASKATCHEWAN
LOCATION MAP
CONFIDENTIAL
ASSESSMENT FILE
0 800m 1000m 1800m 2000m 2800m
19780001
URANERZ EXPLORATION & MINING LTD.
N.W. ATHABASCA
LAKE WATER SAMPLE
LOCATION MAP, CBS 4434
COMPILED B. Hartmann DATE JULY 1977
DRAWN B. McLachlan DATE SEPT 1977
LAST REVISION
S.L. TO BCGS
NTS REF. 74N-5
BASE MAP: LR-108
SCALE 1:88,000
MAP No. 3
REPORT No. 09-770
PROJECT No. 7141
LR FILE No. LR41-0077-08
CALG FILE No.