A

TORNADO PROJECT SUMMARY SHEET

F=U ONT

1. DATE AND TIME 20 8 1970

2. LOCATION OR PATH (attach map)
B.R. (1) BRIDGLAND TOWNSHIP TO E OF (2) MATINENDA LK
3: Possible FO
2: Probable FO
0697007

3. PATH LENGTH ☐ NOT KNOWN ☐ <1mi; ☐ 1-4mi; ☐ 5-10mi; ☐ 11-50mi; ☐ LENGTH IF>50mi

4. PATH WIDTH ☐ 5. TORNADO PART OF SQUALL LINE? ☐ YES; ☐ NO; ☐ UNKNOWN:

6. ANY UNUSUAL COLORATION? ☐ YES; ☐ NO; ☐ UNKNOWN

7. ANY UNUSUAL SOUND? ☐ YES; ☐ NO; ☐ UNKNOWN

8. IF ANSWER TO 6 OR 7 YES, ELABORATE;

9. LIST ANY ASSOCIATED PHENOMENA
(such as hail, vivid lightning heavy rain, no rain, etc.)

10. TOTAL DAMAGE ESTIMATE $ U

11. TOTAL DEATHS NONE

12. TOTAL INJURED NONE

13. TOTAL HOMELESS U

14. LIST ALL REFERENCES

THE SUDBURY TORNADO AUG 20, 1970 by G.W GEE + B.F FINDLAY

PERSONAL COMMUNICATION WITH MRS HERN, SEPT, 1980 by M.J NEWARK.

15. SUMMARIZE REMARKS PERTAINING TO (a) FUNNEL; (b) INTERESTING OR CAPRICIOUS EVENTS.

(a) no remarks

(b) Mrs Hern recalled that she went to see a swath of trees which were taken down at the same time as the "Sudbury" tornado. This swath was about 6 miles due north of Sherwood (in Bridgland Twp). It is believed that this damage is linked to the damage shown at Matinenda Lake on the map of the Sudbury tornado track (Fig 1, p17) in the Sudbury Tornado..."

B.R.: There is no evidence that will allow both tracks to be confirmed as 1. Since (1) is only a report of damage but no detail are given about the damage such it has been rated possible, which would be 5 from the decision tree (see back)

South of location (2) was
observed from aerial survey and
is documented in the Technical Report
for the Sudbury tornado (See Archive)

WERKSHEET

IDTO 0697007

(1) ORIGIN x 17303000

y 5137000

(2) LIFT-OFF x_1 17364000

y_1 5135000

(3) $(x_1 - x)$ = 61000

(4) $(y - y_1)$ = 2000

(5) Standard Error S_x 3000 ϕ

(6) Standard Error S_y 3000 ϕ

(7) DAMAGE LENGTH

$$L = [(x_1 - x)^2 + (y - y_1)^2]^{1/2}$$

(3)+(4) [→ r,θ] = 61033 m

(8) $\alpha = \tan^{-1} \frac{|y - y_1|}{|x - x_1|}$

[x ↔ Y] = 2°

(9) Standard Error $S_L = (S_x^2 + S_y^2)^{1/2}$

(5)+(6) [→ r,θ] = 4243 m ϕ

(10) $\beta = \frac{\tan^{-1} S_L}{L}$

(7)+(9) [→ r,θ]

[x ↔ Y] = 4°

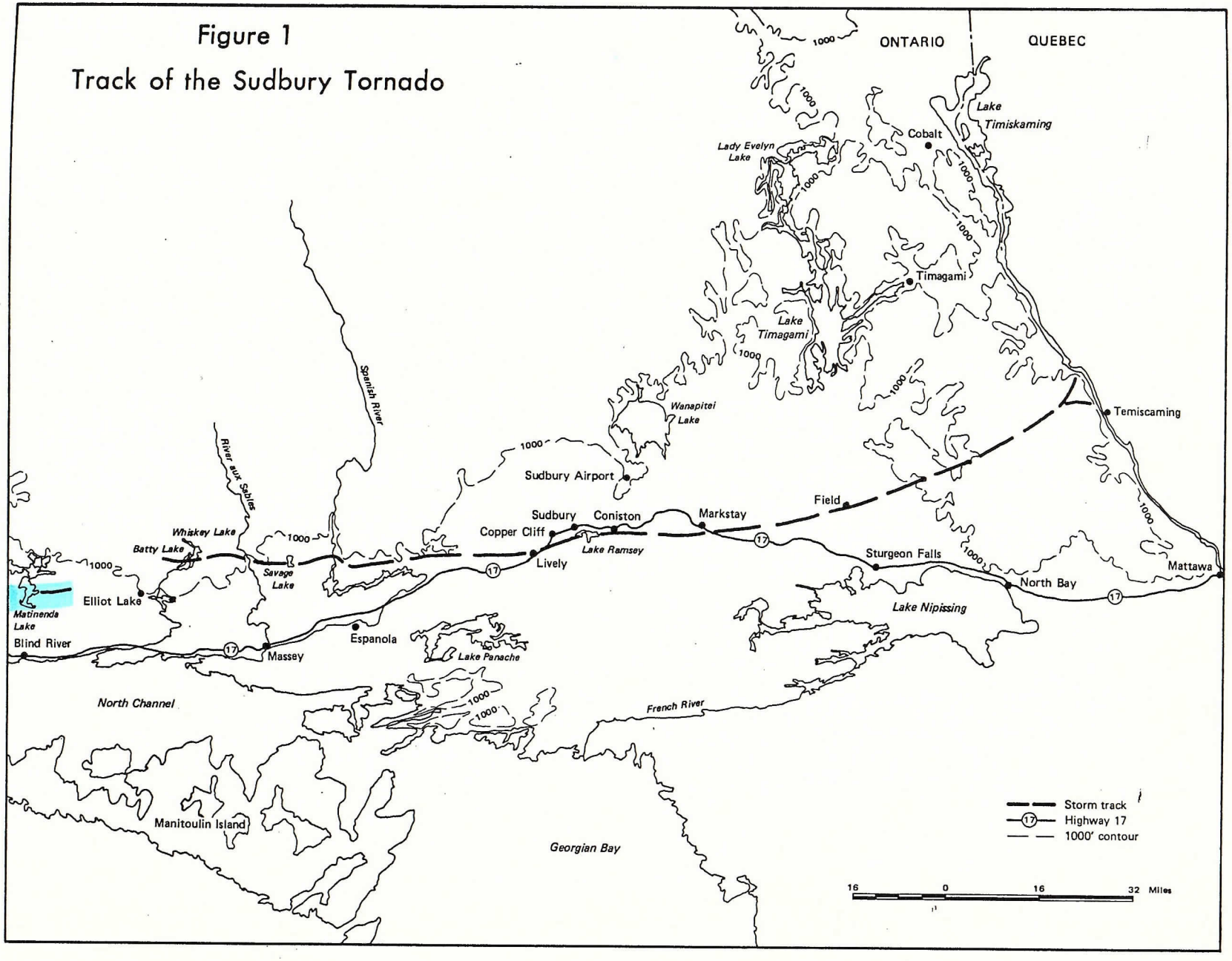
NE Quad $\phi = 90 - \alpha$

NW Quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

(11) ϕ = 272°


Figure 1
Track of the Sudbury Tornado
ONTARIO
QUEBEC
Lake Timiskaming
Cobalt
Lady Evelyn Lake
Timagami
Lake Timagami
Wanapitei Lake
Temiscaming
Spanish River
River aux Sables
Sudbury Airport
Field
Sudbury
Coniston
Markstay
Copper Cliff
Lake Ramsey
Lively
Whiskey Lake
Batty Lake
Savage Lake
Sturgeon Falls
Mattawa
North Bay
Elliot Lake
Matinenda Lake
Blind River
Massey
Espanola
Lake Panache
Lake Nipissing
North Channel
French River
Manitoulin Island
Georgian Bay
1000
17
Storm track
Highway 17
1000' contour
16 0 16 32 Miles

This article is about storm from July 5, 1957.

Storm hit ... THUR July 4, 1957
16pm ... EDT

... FRI. JULY 5, 1957 —

District Damage

Winds Flatten Barn

Special to The Star

More reports of wind damage are coming in from district points.

A barn valued at $4,000 was blown over and a number of trees knocked over [illegible] wires caused some power disruption of service in some areas.

A 36-by 56-foot barn owned by the Hern brothers at Sherwood, three miles north of Thessalon, was knocked down by winds between 4 and 4:30 p.m. Friday. The structure was undergoing repairs to the foundation, and in this weakened condition was flattened. There was no livestock in the barn at the time.

The Herns own and operate the farm known as the Rowan Farm. The barn was 18 years old and it is expected to be rebuilt.

Although the brothers carried insurance on the structure, the policy did not cover wind damage.

From Blind River area comes word that a few timbers fell on telephone lines. The forestry department there said Blind River escaped any major damage from Friday's high winds.

However, the record rainfalls the past few days have forced department of lands and forests officials to open three reserve dams in that area to let water out. The water levels on the lakes are reported to be "very high."

ething New n Taxes!

Lightning May Have Started House Fire

BLIND RIVER — A family has returned from a visit in Sault Ste. Marie to find their five-room frame house burned to the ground. The Kaiser Parizeau family lost their home and all their belongings and furnishings Thursday evening when high winds following a thunderstorm fanned a fire of undetermined origin.

Blind River fire chief Al Desjardins said lightning may have started the fire.

The second fire at a five-room house owned by Mrs. Paquette on a site known as "Little Island" also destroyed all contents. There was no one home at the time.

Hern
RR #1 (705) 842-5603

Hern farm was just across the road from the old Sherwood [illegible]

Mrs Hern recalled that she went to see a swath of trees which were taken down at the same time as the 'Sudbury' tornado. The swath was about 6 miles due north of Sherwood (in Bridgland township).