B

TORNADO PROJECT SUMMARY SHEET

F=1 ONT

1. DATE AND TIME JULY 13, 1975. 2130 EST

2. LOCATION OR PATH (attach map)
ST PAUL'S STATION
0697503

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 $hundreds of thousands 11. TOTAL DEATHS NONE (1 cow)

12. TOTAL INJURED 1 (and several cattle) 13. TOTAL HOMELESS U.

14. LIST ALL REFERENCES

WINDSOR STAR, JULY 15, 1975.
BEACON HERALD, STRATFORD JULY 14, 1975

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

(a) no remarks.

(b) A partially built home was blown across a field, finally coming to rest against a baseball diamond backstop.

A home trailer blown into a nearby ditch, and one of its two occupants injured.

Barns, sheds and silos badly damaged. A cow was lifted by the wind, flipped over and broke its back.

WORKSHEET

IDTO 069503

(1) ORIGIN x 1749510.0

y 479610.0

(2) LIFT-OFF x_1 1749630.0

y_1 479530.0

(3) $(x_1 - x)$ = 1200

(4) $(y - y_1)$ = 800

(5) Standard Error S_x 200 C.

(6) Standard Error S_y 200 C.

(7) DAMAGE LENGTH

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

(3)+(4) $\boxed{\rightarrow r,\theta}$ = 1442

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

$\boxed{x \leftrightarrow y}$ = 34°

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

(5)+(6) $\boxed{\rightarrow r,\theta}$ = 283 m C

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

(7)+(9) $\boxed{\rightarrow r,\theta}$

$\boxed{x \leftrightarrow y}$ = 11°

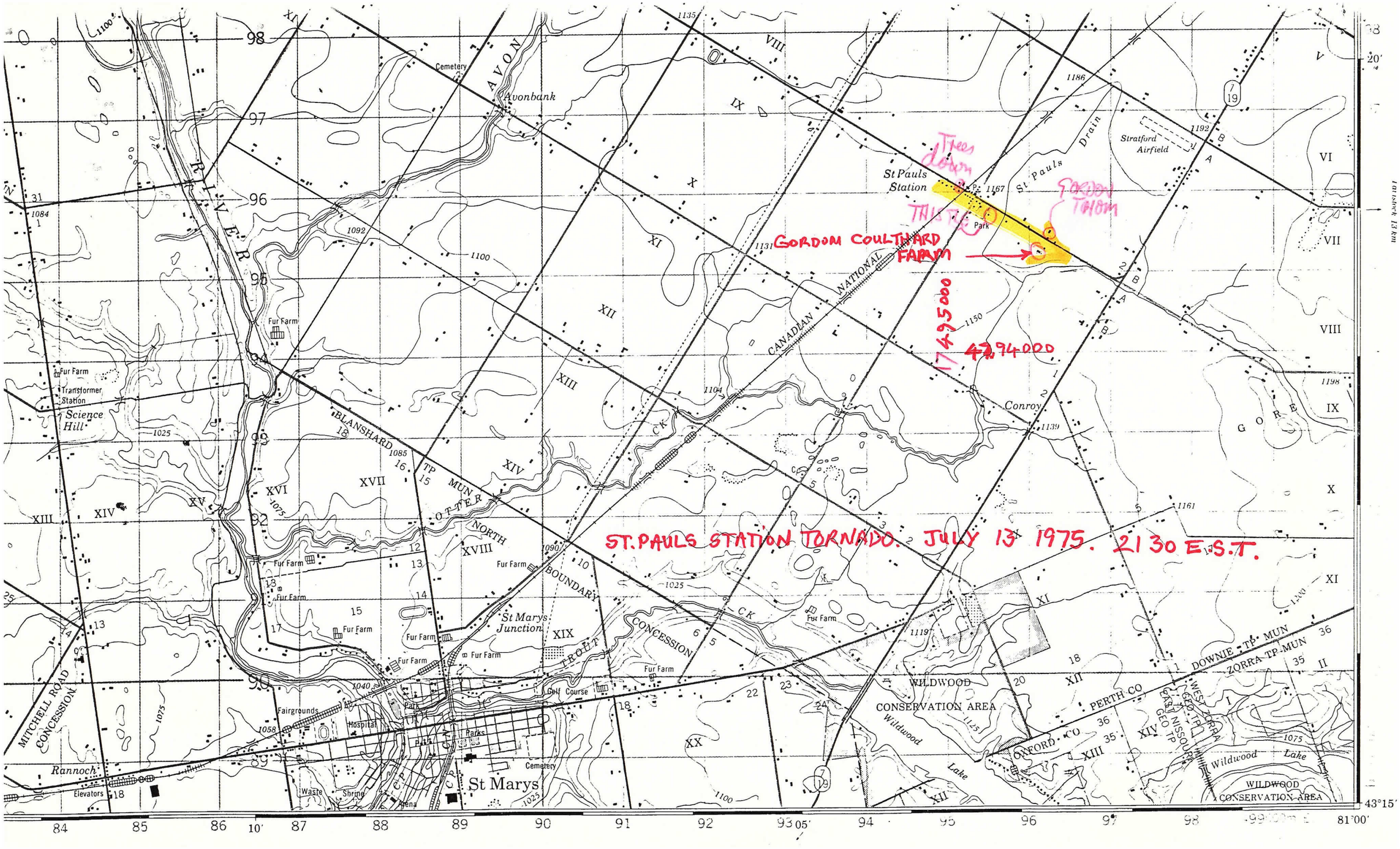
NE quad $\phi = 90 - \alpha$

NW quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

(11) ϕ = 304°


Trees down
THIS WAY
GORDON THOM
GORDON COULTHARD FARM
1749000
4794000
ST. PAULS STATION TORNADO. JULY 13 1975. 2130 E.S.T.
St Pauls Station
Stratford Airfield
St Pauls Drain
Avonbank
Cemetery
Science Hill
Transformer Station
Fur Farm
Conroy
Canadian National
Blanshard
Mun
Otter
North
Boundary
St Marys Junction
Trout
Concession
Mitchell Road
Rannoch
Elevators
St Marys
Fairgrounds
Hospital
Parks
Golf Course
Park
Arena
Waste
Shrine
Cemetery
Wildwood Conservation Area
Wildwood Lake
Perth Co
Oxford Co
Downie Tp Mun
Zorra Tp Mun
West Zorra
East Nissouri
Geo Twp
Gore
Avon
River
1 inch/stock 1.3 km
43°15'
81°00'

The Windsor Star Liberal

Twister damage still being assessed

By CANADIAN PRESS

A twister that ripped inland from Lake Erie on Sunday night scattered miscellaneous damage to crops and property that was still being assessed Monday.

The small tornado, however, caused no fatalities.

But roof-tops were blown off, trees uprooted and power and telephone lines blown down, largely in an area concentrated in Elgin County on Lake Erie. Two small airplanes at St. Thomas Airport were torn from their moorings and one was thrown 600 feet into a cornfield.

Harold Bucke, agricultural representative in Elgin County, said there is no question but that crops in the county will be reduced as the result of the storm, which was accompanied by heavy hail.

Around Sparta in this county, one observer said the tobacco crop looked "like spinach".

JUL 15 1975

Clifton Parker, who farms tobacco near Port Stanley in the same county, said between 20 and 70 per cent of his crop was damaged.

In London, a man who was in the bathroom when lightning struck, said it left a hole of about eight inches in diameter in the roof of his house.

The twister touched down near the farm of Gordon Coulthard of St. Paul's in Perth County, ripped the roof of his house and killed one of his dairy herd.

Gordon Thom, a neighbor, said the blow just about took his whole barn away.

In the city of Cambridge, the twister swished a 100-foot path through some parts of the community, uprooting trees and damaging hundreds of homes. Power was knocked out in about 100 homes in the city but restored Monday.

Barns and sheds were flattened at the hamlet of St. Paul's, five miles west of Stratford. Roy Manley was in satisfactory condition in hospital after the house trailer in which he was sleeping was blown into a ditch.

ST PAUL'S