A

TORNADO PROJECT SUMMARY SHEET

F=1 ONT

1. DATE AND TIME 12. 6. 1973 0215 EST.

2. LOCATION OR PATH (attach map) SHORT TRACK JUST NE OF WALLACEBURG
DIRECTION OF TORNADO WAS SWEST TO NEAST
0697302

3. PATH LENGTH ☐ NOT KNOWN ☐ <1 mi; ☒ 1.7 Km ~~1-4mi;~~ ☐ ~~5-10mi;~~ ☐ ~~11-50mi;~~ ☐ LENGTH IF>50mi

4. PATH WIDTH ☒ UNKNOWN 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.) GOLF BALL SIZED HAIL in the Bothwell area

10. TOTAL DAMAGE ESTIMATE $ UNKNOWN 11. TOTAL DEATHS NONE

12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE

14. LIST ALL REFERENCES
WINDSOR STAR, WINDSOR. 12.6.1973
CONVERSATION WITH TIES SCHOLTENS (519 627-4850)
and Joseph Rossel (519) 627-1854

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

(a) TIES SCHOLTENS OF BECHER SAID HE OBSERVED A CLOUD FUNNEL ABOUT A HALF-MILE IN DIAMETER. IT PASSED OVER THE COMBINE HE WAS DRIVING AND HE SAW IT HIT THE ROSSEEL BARN.

(b) TREES UPROOTED, FLATTENED BARNS, DAMAGED SILOS AND SHIFTED SEVERAL OUTBUILDINGS OFF THEIR FOUNDATIONS

WORKSHEET

IDTO 0697302

(1) ORIGIN x 17387150
y 472050

(2) LIFT-OFF x_1 17388300
y_1 472185

(3) $(x_1 - x)$ = 1150

(4) $(y - y_1)$ = 1350

(5) Standard Error S_x C 100

(6) Standard Error S_y C 100

(7) DAMAGE LENGTH

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

(3)+(4) [→ r,θ] = 1773 m

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

[x↔y] = 50°

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

(5)+(6) [→ r,θ] = 141 m C

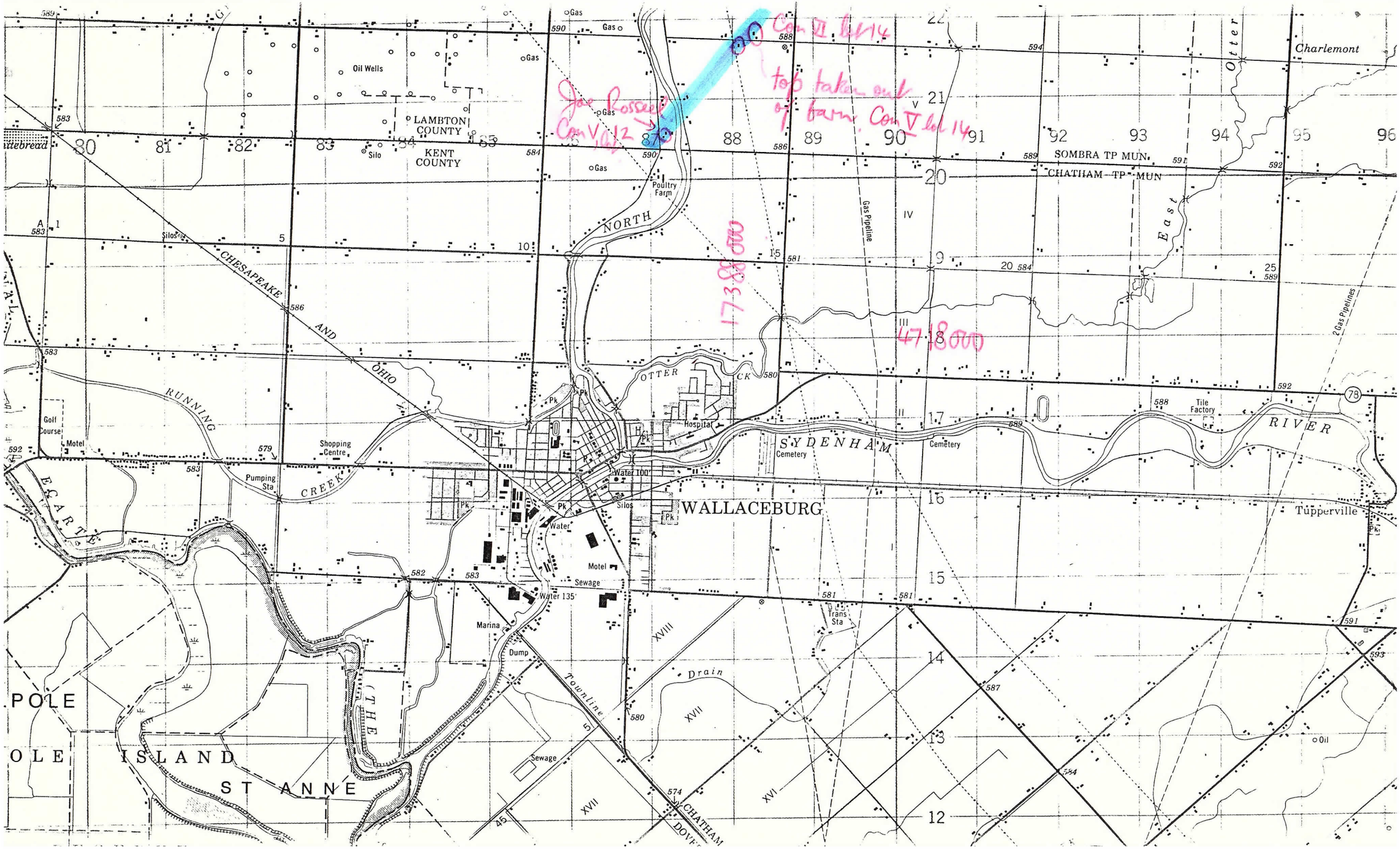
(10) $\beta = \dfrac{\tan^{-1} S_L}{L}$

(7)+(9) [→ r,θ]
[x↔y] = 5°

NE Quad $\phi = 90 - \alpha$
NW Quad $\phi = 270 + \alpha$
SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

(11) ϕ = 220°


Joe Rossell
Con VI Lot 14
top taken out of barn Con V Lot 14
Con V Lot 12
17 3 8 000
47 18 000
LAMBTON COUNTY
KENT COUNTY
SOMBRA TP MUN.
CHATHAM TP MUN
WALLACEBURG
SYDENHAM
RIVER
Charlemont
Tupperville
ST ANNE
ISLAND
POLE
CHESAPEAKE AND OHIO
NORTH
East
Otter
RUNNING
CREEK
EGARTE
THE
OTTER CK
Townline
Drain
Gas Pipeline
2 Gas Pipelines
Oil Wells
Gas
Silos
Poultry Farm
Golf Course
Motel
Shopping Centre
Pumping Sta
Hospital
Cemetery
Tile Factory
Water 100'
Water 135'
Water
Sewage
Marina
Dump
Trans Sta
CHATHAM
DOVER