

A

1. DATE AND TIME ^{APRIL} 4.4.1968 LATE AFTERNOON

2. LOCATION OR PATH (attach map) WATFORD. (TORNADO CAME IN FROM THE SOUTHWEST AND PASSED NORTHEAST)
06968-01

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

4. PATH WIDTH UNKNOWN 5. TORNADO PART OF 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.) HEAVY RAIN

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

12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE

14. LIST ALL REFERENCES WATFORD GUIDE - ADVOCATE APRIL 11 1968
Phone interview by P.S. Elms Oct 9, 1980

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

(a) A FUNNEL-LIKE FORMATION

(b) TREES DOWNED, SALES BARN OWNED BY H AND L MOFFATT DEMOLISHED, PLANT ROOF DAMAGED AND FERTILIZER SPREADER UPSET.

WORKSHEET 0696801
IDTO

① ORIGIN x 17427700
 y 4754300

⑤ Standard Error S_x C200

② LIFT-OFF x_1 17434250
 y_1 4758800

⑥ Standard Error S_y C200

③ $(x_1 - x) = 6550$

④ $(y - y_1) = 4500$

⑦ DAMAGE LENGTH

$L = [(x_1 - x)^2 + (y - y_1)^2]^{1/2}$ ⑧ $\alpha = \tan^{-1} \frac{|y - y_1|}{|x - x_1|}$

③ + ④ $\rightarrow r, \theta = 7947$

$x \leftrightarrow y = 38^\circ$

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

⑤ + ⑥ $\rightarrow r, \theta = 28.3 \text{ m C}$

⑩ $\beta = \frac{\tan^{-1} S_L}{L}$

⑦ + ⑨ $\rightarrow r, \theta$
 $x \leftrightarrow y = 2^\circ$

NE Quad $\phi = 90 - \alpha$

NW Quad $\phi = 270 + \alpha$

SW Quad $\phi = 270 - \alpha$

SE Quad $\phi = 90 + \alpha$

⑪ $\phi = 232^\circ$

Phone conversation with MR² KEN. MOFFATT
(519) 876-5573, Watford Ont, by P. Elmer
Oct 9 1980.

Gave locations of Frank Moffatt
farm and business establishments
in Watford affected by the tornado
of April 4 1968.