B (PHOTOCOPY NEWSPAPER PHOTO OF DEMOLISHED BARN). (HS Sept 30/80)

TORNADO PROJECT SUMMARY SHEET F1 ONT.

1. DATE AND TIME 1935 E.S.T. WED JULY 2 1958 735 EST

2. LOCATION OR PATH (attach map) FROM 320°. VICINITY MERLIN. 06958-05

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

4. PATH WIDTH 4 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.)

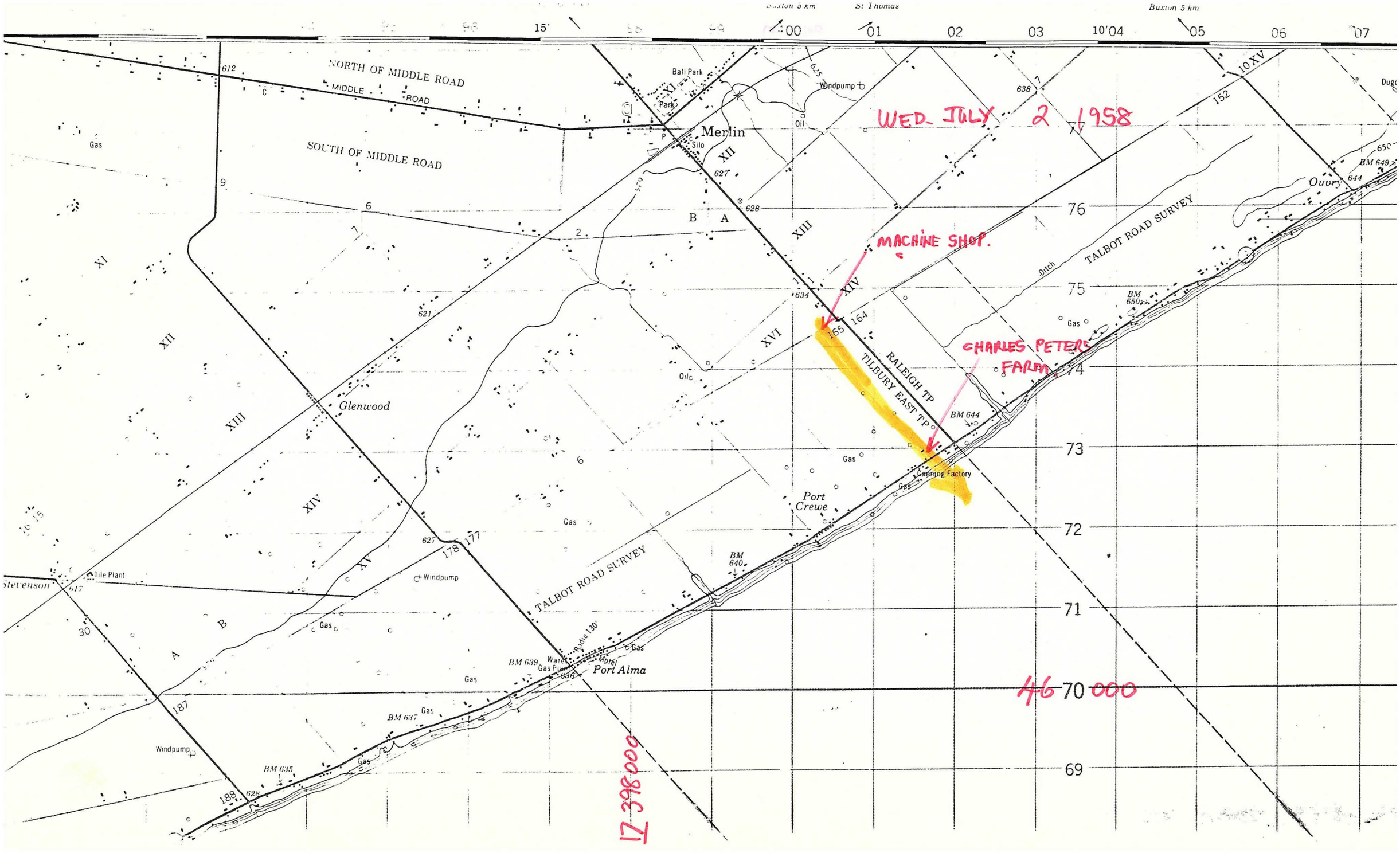
10. TOTAL DAMAGE ESTIMATE $25,000 11. TOTAL DEATHS NONE

12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE

14. LIST ALL REFERENCES

WINDSOR STAR. THURS JULY 3 1958

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


WED. JULY 2 1958
MACHINE SHOP.
CHARLES PETERS FARM
46 000
17 398 000
NORTH OF MIDDLE ROAD
MIDDLE ROAD
SOUTH OF MIDDLE ROAD
Merlin
Ball Park
Park
Silo
Windpump
Oil
Glenwood
Port Crewe
Port Alma
Canning Factory
Tile Plant
Stevenson
TALBOT ROAD SURVEY
RALEIGH TP
TILBURY EAST TP
Ditch
Ouvry
Gas
Radio 130'
Motel
Water
Gas Plant
BM 635
BM 637
BM 639
BM 640
BM 644
BM 649
BM 650
St Thomas
Buxton 5 km
15'
10'04
00
01
02
03
05
06
07
76
75
74
73
72
71
70
69

Time 7:35 EST

WORKSHEET

IDTO 06958-05

(1) ORIGIN x 17400400

y 4674550

(2) LIFT-OFF x_1 17401800

y_1 4672700

(3) $(x_1 - x)$ = 1400

(4) $(y - y_1)$ = 1850

(5) Standard Error S_x

C = 200

(6) Standard Error S_y

C = 200

(7) DAMAGE LENGTH

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

(3)+(4) $\boxed{\rightarrow r,\theta}$ = 2320

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

$\boxed{x \leftrightarrow y}$ = 53

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

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

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

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

$\boxed{x \leftrightarrow y}$ = 7

NE Quad $\phi = 90 - \alpha$

~~NW~~ Quad $\phi = 270 + \alpha$

SW Quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

(11) ϕ = 323

Phone conversations with Mr Charles Peters (519)-676-8512 (Blenheim, Ont.) and Mr Oliver Peters (519) 689-4347 by P. Elms. Sept 30 1980. regarding Port Alma vicinity. tornado of Wed July 2 1958.

The tornado came from the Northwest and hit only 3 buildings. The first building was a machine shop on the road one mile northwest of the Charles Peters farm. The tornado then demolished Mr Peters barn, carry roof debris on to the roof of his house causing considerable damage.

A healthy hickory tree, 18" in diameter, in the front of Peters house was twisted off. Trees were felled as the tornado crossed highway 3.

Mr Peters has a framed, colour photograph of the damage to his farm, taken from the air. His address: 181 Talbot St. East. Box 1583, Blenheim, Ont NOP 1B0

Mention was made by Mr C. Peters of a tornado that struck the area in Sept. 1948. and wrecked eight farms along the highway (3?). Mr Peters brother Oliver said that damage was bad at Pardoville.