B

TORNADO PROJECT SUMMARY SHEET

F=1

RE: MAY 18/80 ONT.

1. DATE AND TIME EARLY P.M. SAT. JUNE 27 1959.

2. LOCATION OR PATH (attach map) 11TH CON. LOT 2. MEDONTE. TOWNSHIP. SIMCOE CO.

06959-06

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.) Described as the years worst Tor.

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

12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE

14. LIST ALL REFERENCES

DAILY PACKET AND TIMES ORILLIA. ONTARIO. MON. JUNE 29 1959

TELEPHONE CONVERSATION WITH MR. WM. AYERS, BY R. ELMS, ON AUG 18 1980 TO LOCATE ERNEST AYERS FARM.

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

(a) No funnel observed.

(b) "Violent Twister" struck along a narrow front. Blew down a barn and uprooted trees. A silo also blown over.

WORKSHEET

IDTO 0695906

(1) ORIGIN x 17613800

y 4940650

(5) Standard Error S_x C 102

(2) LIFT-OFF x_1 17614100

y_1 4940850

(6) Standard Error S_y C102

(3) $(x_1 - x)$ = 300

(4) $(y - y_1)$ = 200

(7) DAMAGE LENGTH

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

(3)+(4) $\boxed{\rightarrow r,\theta}$ = 360 m

(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) $\boxed{\rightarrow r,\theta}$ = 144 m

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

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

$\boxed{x \leftrightarrow y}$ = 22°

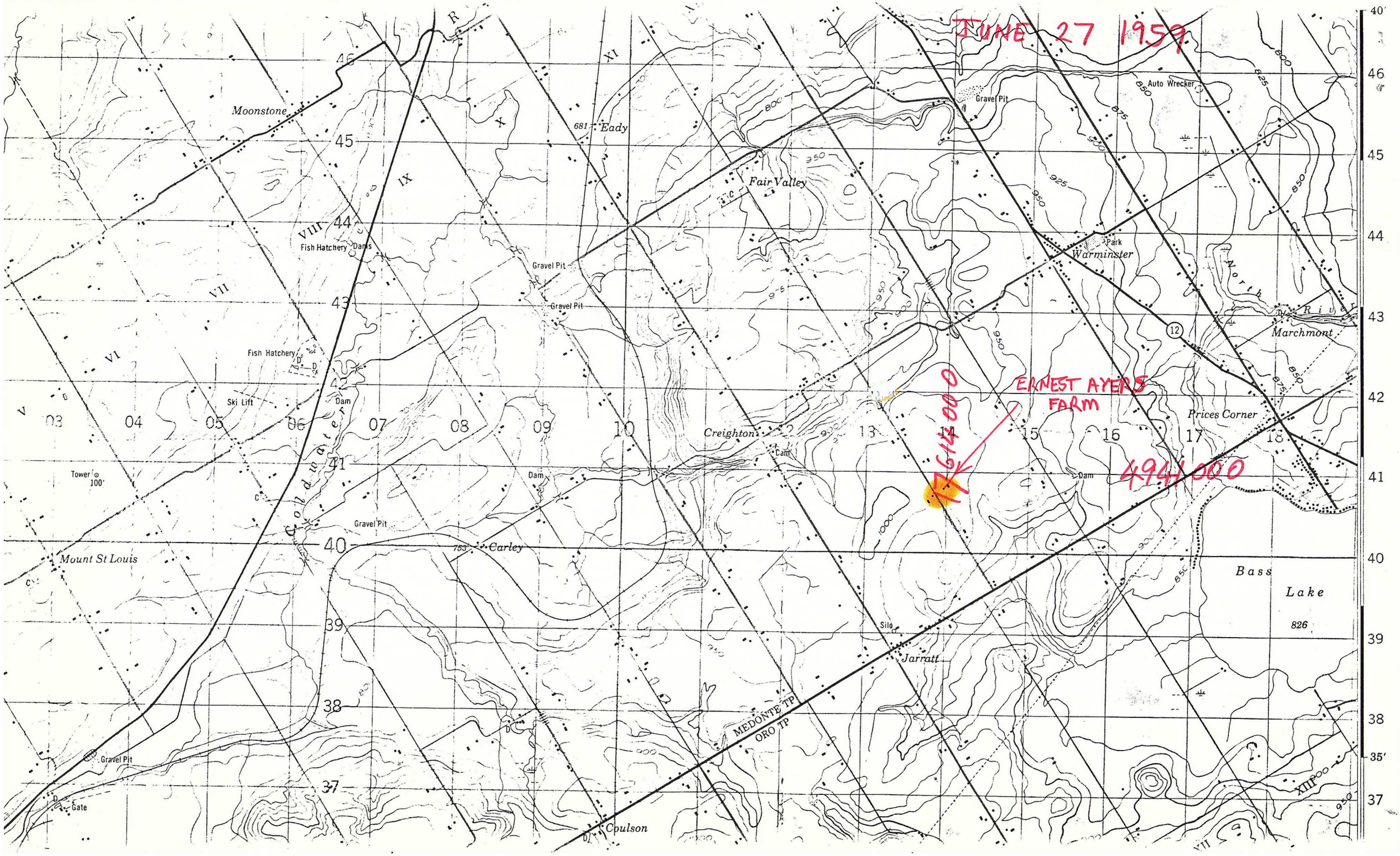
NE Quad $\phi = 90 - \alpha$

NW Quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

(11) ϕ = 236°


JUNE 27 1959
ERNEST AYERS FARM
17614000
4941000
Moonstone
Eady
Fair Valley
Auto Wrecker
Gravel Pit
Park
Warminster
North River
Marchmont
Prices Corner
Fish Hatchery
Dams
Ski Lift
Dam
Creighton
Tower
100'
Coldwater
Carley
Mount St Louis
Bass Lake
826
Silo
Jarratt
MEDONTE TP
ORO TP
Coulson
Gate
40'
35'

TWISTER, NEAR ORILLIA, ONTARIO.

DAILY PACKET AND TIMES ORILLIA, ONT., MONDAY JUNE 29TH. 1959.

STORM DATE. EARLY P.M., SAT. JUNE 27TH. 1959.

LIGHTNING, TWISTER LASH AREA. BOLT BLOWS HOLE IN "Y" CAMP CABIN,

BOATMAN KILLED BY LIGHTNING.

HORSES, PIGS UNINJURED AS BABY TWISTER LEVELS BARN.

ORILLIA, (Staff) A sudden, violent twister which struck along a narrow front at the height of the year's worst thunderstorm on Saturday afternoon levelled at least one barn, ripped up trees and felled a silo.

The storm struck in the early afternoon at the farm of ERNEST AYERS, R.R.3, and blew down his barn in an instant, leaving only the wall at one end standing. Horses and pigs in the barn at the time were protected by the cement foundation wall and escaped injury.

The violent wind then uprooted a half-a-dozen trees and blew over a silo on a nearby farm.

MR. AYERS said that pieces of the metal roof of his barn were blown almost a half-mile distant. No estimate of damage has been made as yet.

ORILLIA received 3.02 inches of rain during Sat. and Sun.

A man killed by lightning, in a boat, at HONEY HARBOR on Sat. P.M.

Lightning struck a cabin at the YMCA BREEZY POINT CAMP on the east shore of LAKE COUCHICHING and stopped a clock at 12:20 E.S.T.