B

TORNADO PROJECT SUMMARY SHEET

F = 1

ONT.

1. DATE AND TIME — TUES NIGHT MAY 19 1959.

2. LOCATION OR PATH (attach map) — VICINITY OF ALLISTON ONTARIO.

FROM 290°

06959-08.

3. PATH LENGTH — [✓] NOT KNOWN [ ] <1 mi; [ ] 1-4 mi; [ ] 5-10 mi; [ ] 11-50 mi; [ ] LENGTH IF >50 m

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 — $UNKNOWN

11. TOTAL DEATHS — NONE

12. TOTAL INJURED — NONE

13. TOTAL HOMELESS — NONE

14. LIST ALL REFERENCES

DAILY PACKET AND TIMES ORILLIA. WED. MAY 20 1959.

HOMER McMANN. NEAR ALLISTON

HOMER M'MANN (705)-435-5988

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

SEE ATTACHED SHEET

WORKSHEET

IDTO 0695908

(1) ORIGIN x 17592800

y 4893300

(5) Standard Error S_x C500

(2) LIFT-OFF x_1 17594600

y_1 4892800

(6) Standard Error S_y C500

(3) $(x_1 - x)$ = 1800

(4) $(y - y_1)$ = 500

(7) DAMAGE LENGTH

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

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

(3)+(4) $\boxed{\rightarrow r,\theta}$ = 1868

$\boxed{x \leftrightarrow y}$ = 155°

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

(5)+(6) $\boxed{\rightarrow r,\theta}$ = 707 m

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

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

$\boxed{x \leftrightarrow y}$ = 21°

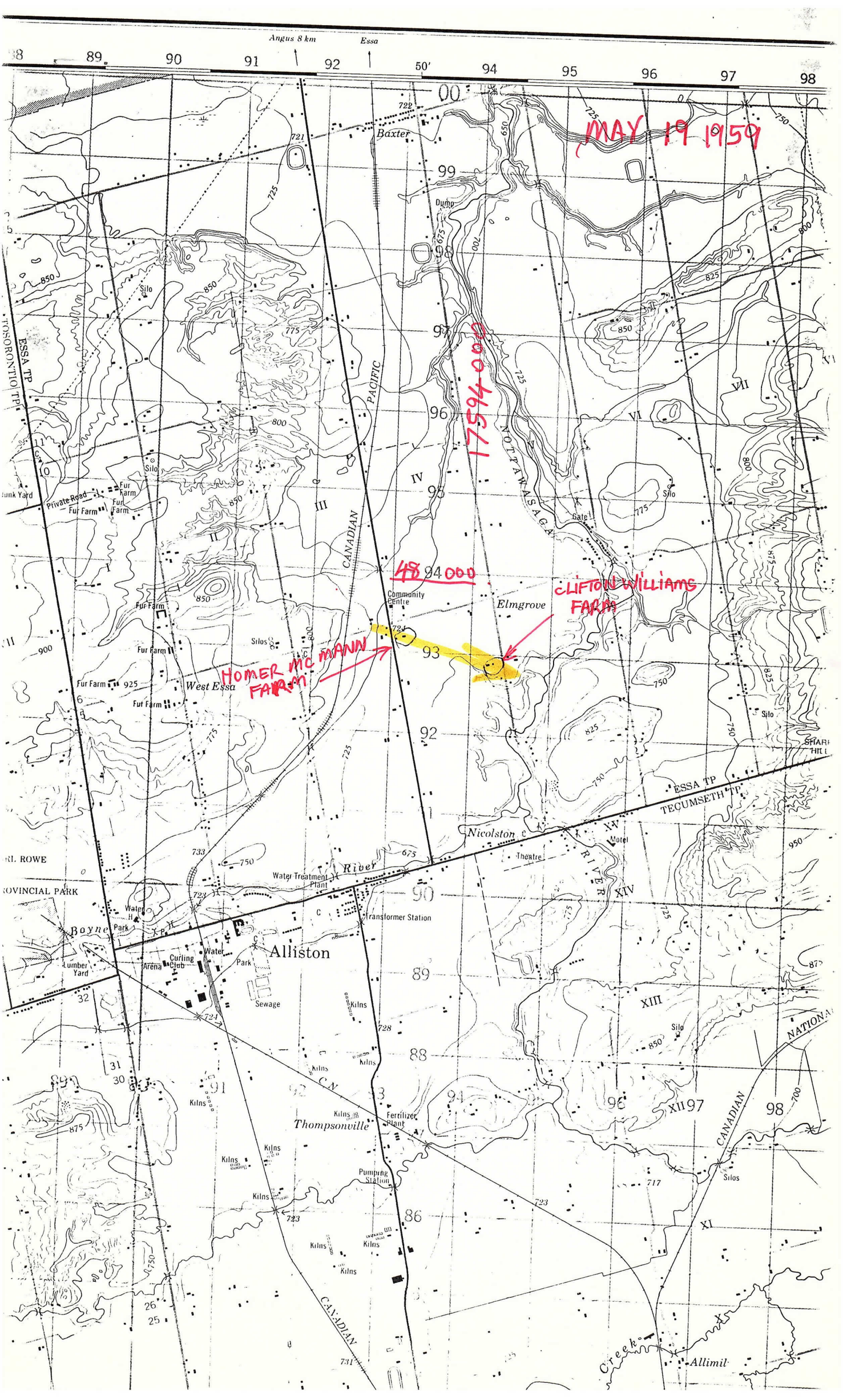
NE Quad $\phi = 90 - \alpha$

NW Quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

(11) ϕ = 286°



MAY 19 1959
17594000
48 94000
CLIFTON WILLIAMS FARM
HOMER MC MANN FARM
Angus 8 km
Essa
Baxter
Dump
Silo
Private Road
Fur Farm
Junk Yard
ESSA TP
TOSORONTIO TP
CANADIAN PACIFIC
NOTTAWASAGA
Gate
Community Centre
Elmgrove
West Essa
Silos
ESSA TP
TECUMSETH TP
Nicolston
Theatre
Motel
River
Water Treatment Plant
Transformer Station
Alliston
Boyne
Park
Lumber Yard
Arena
Curling Club
Water
Sewage
Kilns
Thompsonville
Ferrilizer Plant
Pumping Station
CANADIAN
NATIONAL
Creek
Allimil

Conversation by telephone with Mr Homer McMann
by P. Elms, on Aug 20 1980

Mr McMann was working with a welding machine in a driveshed just before the tornado struck. Being aware of the storms approache, he went to the house. He saw a tree going passed a door in the house and headed for the basement.

Damage by the Tornado

The welding machine he was using had a log through it.

Two driving sheds were destroyed as well as the barn unroofed.

Bricks in the house were loosened (The house was later stuccoed.)

His new car was taken over some trees and destroyed.

Trees were broken off, and irrigation pipe bent around trees.

Straw was driven into trees.

A car had the paint stripped off. (Hail damage?).

HAILSTORM, NASHVILLE, ONTARIO.

TORNADO, ALLISTON, ONTARIO. (

TORNADO, NEAR GUELPH, ONTARIO. (OUSTIC)

DAILY PACKET AND TIMES, ORILLIA, ONT., WEDNESDAY 20TH. 1959.

MAY

STORM DATE. "TUESDAY NIGHT" MAY 19TH. 1959.

TWISTER RAKES ALLISTON, LEVELS BUILDINGS, TREES,

GREENHOUSE, CROP DAMAGE IS $15,000.

TORONTO (CP). Hail shattered more than 8,000 panes of glass in greenhouses belonging to four brothers from NASHVILLE, 20 miles northwest of here, Tuesday night.

HOWARD, HARVEY, ROBERT and JOHN BURBIDGE estimated the damage at $15,000, including loss of tomato crops on their adjoining property.

Fierce storms also swept through farmlands near COBURG, 35 miles east of OSHAWA. Two barns were struck by lightning and destroyed by fire. Damage was estimated at $22,000.

TORNADO-LIKE WINDS.

Heavy rains lashed much of SOUTHERN ONTARIO Tuesday. Tornado-like winds whirled through areas near GUELPH, 45 miles west of TORONTO, and ALLISTON, 30 miles northwest of Toronto. A barn was destroyed and a house and three other barns damaged.

Hail fell in the THORNHILL and WILLOWDALE areas just north of TORONTO.

Residents at OUSTIC, a village 15 miles northwest of GUELPH, said a funnel-shaped cloud dipped from the sky Tuesday and scattered debris from two barns on a farm.

TORNADO

One side of a two-storey brick house belonging to HOMER McMANN, near ALLISTON, was shattered by the storm and the roof and one side of his barn ripped off.

A mile east, the twister levelled a barn on the farm of CLIFTON WILLIAMS. Trees were uprooted and power lines knocked down.

Heavy fog covered the ORILLIA area last night slowing highway traffic to a crawl, and blanketing the town in banks.

However, the local police department and the Orillia detachment of the OPP report no car accidents as a result of the fog.