

A.

TORNADO PROJECT SUMMARY SHEET

F = 1

1. DATE AND TIME LATE P.M. JULY 31 1954.
2. LOCATION OR PATH
(attach map) FROM THE WEST AND ACROSS THE CITY OF GALT,
DAMAGE AT PRESTON AND PASLINCH LAKE. (2 TORS.?)
3. PATH LENGTH ☒ NOT KNOWN ☐ <1mi; ☐ 1-4mi; ☐ 5-10mi; ☐ 11-50mi; ☐ LENGTH IF >50mi
4. PATH WIDTH 100 Yds 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; 0695406
9. LIST ANY ASSOCIATED PHENOMENA Tornado
(Such as hail, vivid lightning, heavy rain, no rain, etc.) Preceded by a electrical storm.
10. TOTAL DAMAGE ESTIMATE \$ 1000's 11. TOTAL DEATHS NONE
12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE
14. LIST ALL REFERENCES
GLOBE AND MAIL MON. AUG. 2nd 1954.
15. SUMMARIZE REMARKS PERTAINING TO (a) FUNNEL; (b) INTERESTING OR CAPRICIOUS EVENTS.
- (a) Came from the west and resembled a smoke cloud.
- (b) TV aerials turned into fantastic shapes, trees felled. Chimneys blown off houses. Framework of a new house moved 10 feet off its foundation.
- Sawdust collector and piping on top of a door factory were compressed into the shape of an accordion.

WORKSHEET 0695406

ORIGIN x 17552900
 y 4800900

$l = 3000$ m
\$ 866 m
Standard Error S_x

LIFT-OFF x_1 17560800
 y_1 4800600

$l = 3000$ m
Standard Error S_y
\$ 866 m

$$(x_1 - x) = 7900$$

$$(y - y_1) = 300$$

DAMAGE LENGTH

$$L = [(x_1 - x)^2 + (y - y_1)^2]^{1/2}$$
$$= 7906$$

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

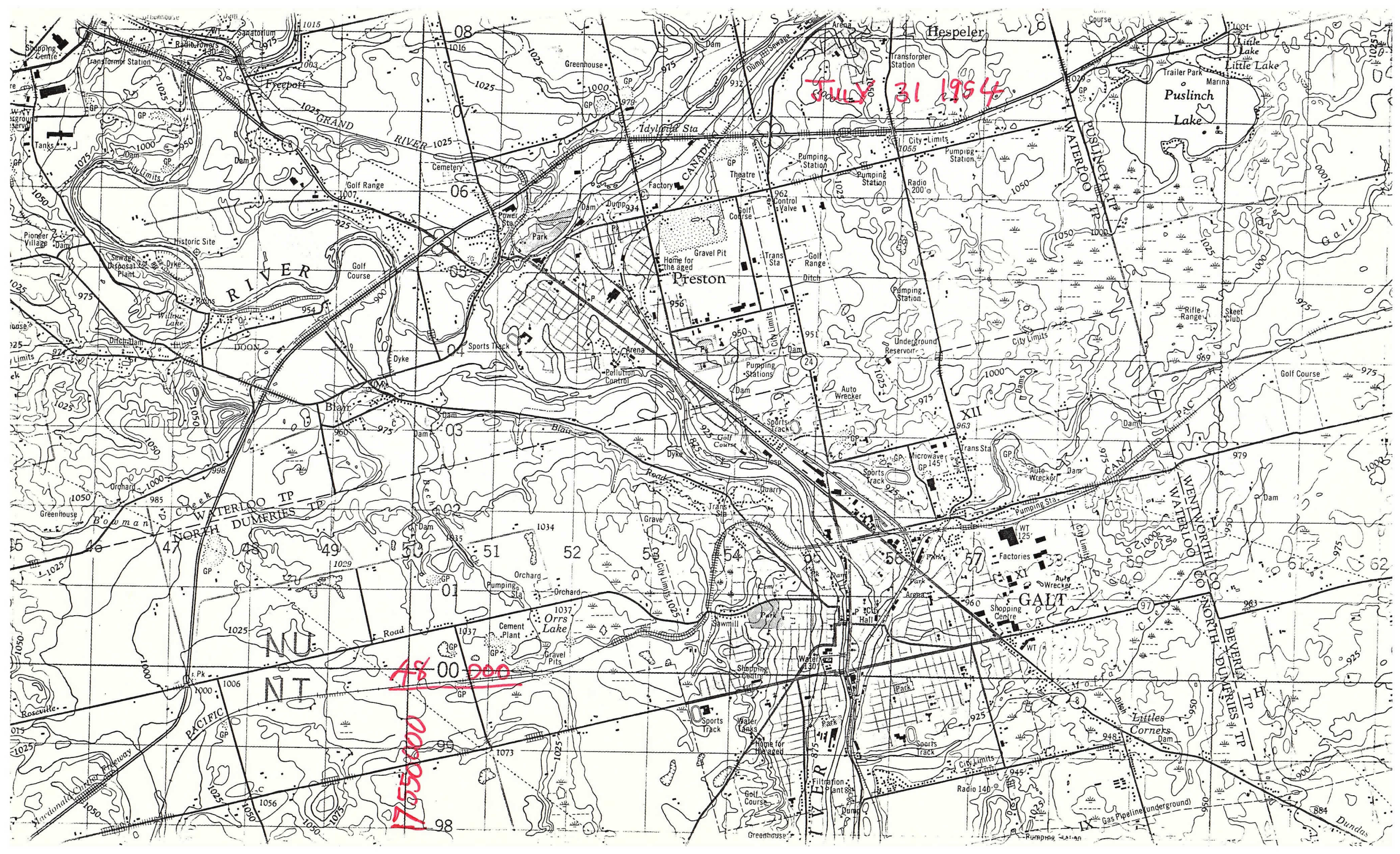
$$= 1225 \$$$

$$\beta = \frac{S_L}{57.29 L}$$
$$= 9^\circ$$

$$\alpha = \tan^{-1} \frac{|y - y_1|}{|x - x_1|} \quad 2.2^\circ$$

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

SE quad $\phi = 90 + \alpha$
 $\phi = 272^\circ$



THE GLOBE AND MAIL, TORONTO, MONDAY AUGUST 2ND. 1954.

STORM DATE. "LATE AFTERNOON" SAT. JULY 31ST. 1954.

TORNADO CUTS 100-YARD SWATH THROUGH GALT.

GALT, AUG. 1. A tornado, lasting five minutes and preceding an electric storm, cut a 100-yard swath across this city late Saturday afternoon, causing thousands of dollars damage. It came from the west and resembled a smoke cloud.

The biggest loss was the destruction of a barn on the farm of MRS. H. HORTON, just outside the city limits, and with it more than \$6,000 worth of paraphernalia used in the annual Santa Claus parade. There was no insurance on building or its contents.

Hydro, telephone and telegraph wires were broken by falling trees. TV aerials were turned into fantastic shapes, chimneys were blown off houses, windows smashed and a dozen or more houses were damaged when trees fell on the roofs.

On the east side of the city the framework of a new house was moved 10 feet off its foundation and a garage was lifted into the air, but the car it housed escaped without a scratch. On WATER STREET SOUTH a big window of a PRINTING PLANT was blown out and a woman passing at the time threw herself into the gutter to escape the flying glass. One house on the east side had its roof pierced in two places.

The sawdust collector and piping on top of a DOOR FACTORY were compressed into the shape of an accordion.

Linemen and city employees worked late into the night on a clean-up job and were back at it this morning.

PRESTON, to the north, was also hit hard, and at PUSLINCH LAKE the roof was lifted off a summer cottage. West of GALT a farm-shed and silo were destroyed.