

Summary Sheet

IDTO - ID Number	:694807
AUTH - Report Author	:
TYFU - Tornado Type & Fuji Code	:c1
TITL - Report Title or Location	:Forest
PROV - Province	:Ontario
COUN - Counties	:Lambton
REFS - References	:GM July 28, 1948
ZOTO - Touchdown Zone Number & Easting	:17418500
NOTO - Touchdown Northing	:4171950
LOVA - Touchdown Error Value & Code	:354r
DADA - Date of Data Entry	:15/06/1990
ZOLO - Liftoff Zone Number & Easting	:
NOLO - Liftoff Northing	:
UPVA - Liftoff Error Value & Code	:
DEAD - Number of Fatalities	:
HURT - Number of People Injured	:
HERT - Injuries Code	:
DATA - Date of Tornado	:27/07/1948
DAVA - Date Error Value & Code	:
TITO - Time of Tornado	:1200
TIMR - Time Meridian	:75
TIVA - Time Error Value & Code	:208s
AXDA - Maximum Path Width	:
AXVA - Max. Path Width Error & Code	:
AVDA - Average Damage Width	:
AVVA - Avg. Damage Width Error & Code	:
SADA - Sample Damage Width	:
SAVA - Sample Damage Width Error & Code	:
INTO - Initials	:MJN
DFTO - Detailed Report Flag	:n
JUNK - PRDA & DIMO & DALE :	:
CODA - Property Damage Code	:
MISC - ORDE,PICS_TYPE,PICS_AVAIL,COCO :	1
MANY - Multiple Event Flag	:n

MEMO:Roof blown off factory, barn door blown off, farm wagon smashed, hundreds of windows broken.

PHEN - Associated Phenomena	:A99
TSHP - Townships	:Warwick

MJN, 15/06/1990

1. DATE AND TIME JULY 27, 1948
2. LOCATION OR PATH
(attach map)
FOREST, ONT. 694807
3. PATH LENGTH ☒ NOT KNOWN ☐ <1mi; ☐ 1-4mi; ☐ 5-10mi; ☐ 11-50mi; ☐ LENGTH IF > 50
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 HAIL, LIGHTNING
heavy rain, no rain, etc.)
10. TOTAL DAMAGE ESTIMATE \$ 11. TOTAL DEATHS 0
12. TOTAL INJURED 0 13. TOTAL HOMELESS 0
14. LIST ALL REFERENCES
Globe and Mail, Toronto, Wed July 28, 1948
15. SUMMARIZE REMARKS PERTAINING TO (a) FUNNEL; (b) INTERESTING OR CAPRICIOUS EVENTS.
a) Roof of basket factory blown off
b) Barn door blown off, farm wagon smashed
c) hundreds of windows broken

WORKSHEET IDTO

① ORIGIN x 17418500
 y 4171950

⑤ Standard Error S_x 354R

② LIFT-OFF x_1
 y_1

⑥ Standard Error S_y

③ $(x_1 - x) =$

④ $(y - y_1) =$

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 $\rightarrow r, \theta =$

$x \leftrightarrow y =$

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

⑤ + ⑥ $\rightarrow r, \theta =$

⑩ $\beta = \frac{\tan^{-1} S_L}{L}$

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

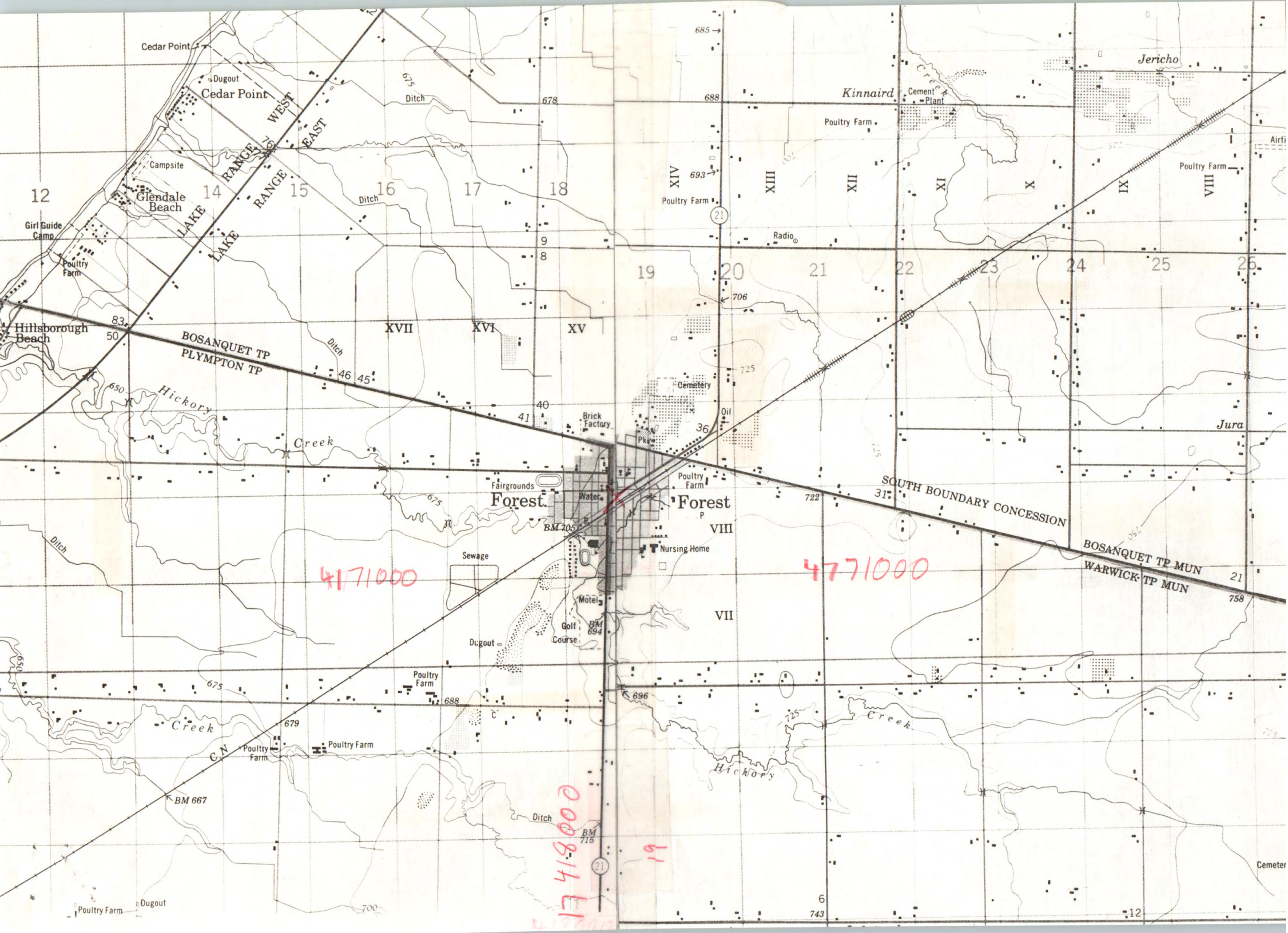
NE Quad $\phi = 90 - \alpha$

SE quad $\phi = 90 + \alpha$

NW Quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

⑪ $\phi =$



STORM DATE: P.M. TUES. JULY 27 1948

Violent Storm Pounds Ontario Crops Flat, Damage Said Million

Pictures on Page 13

A violent electrical storm swept across the Toronto area yesterday afternoon causing a disastrous fire on a North York farm and bringing about several traffic accidents. Heavy rainfall accompanied the vivid lightning display.

Narrow escapes from injury were experienced by occupants of apartments in a Queen St. W. building which was struck by lightning. The building was severely damaged.

The storm pounded several South-western Ontario centres and pulled its punches when it came to others, will cost farmers an estimated \$1,000,000.

Hail, wind, lightning and rain combined to run the crop damage bill to a new storm damage high for 1948. It was the season's worst storm. Property damage was negligible compared to damage to grain, tobacco, fruit and vegetable crops.

A farmer, his son and three daughters escaped death yesterday afternoon when lightning struck a string of four barns on Mulholland Farm at E. Hurst St. and Lawrence Ave. Robert Vyse, who rents the 160-acre farm, was at work in one of the barns with daughters Marcia, Lillian, Evelyn, and son Roy, when a bolt struck roughly 30 feet from them. The building immediately burst into flames.

Vyse's losses, which he estimates at close to \$3,000, include 160-170 tons of hay—more than half his crop—six calves, six pigs and 25 hens.

Heat from the burning hay could be felt 30 yards away and, despite efforts of the North York Fire Department and torrential rain, the fire was still burning late yesterday evening.

Standing near the barns was a trailer, belonging to Cuthbert Wilkinson of Fairholme Ave., a builder and decorator. It was not until late evening that he returned home, was told of the fire, and went across to find his trailer a blackened mass, recognizable only from the twisted wheels.

In Scarborough Township, a tree was demolished by lightning. Part of the tree fell across hydro lines, cutting off service to one home on Craigview Dr., Scarborough Bluffs.

Two hydro lines were blown

down by the high wind which accompanied the torrential downpour and vivid lightning flashes. Guards were placed at both points, 67 Huntley St. and 767 Shaw St. Repairs were made by emergency crews.

A squall that raced across Toronto Bay flattened three dinghies, capsizing them and throwing eight youthful sailors into the water.

First Officer Ernie Russell and his crew of life savers sped to the scene, just off Centre Island. By that time eight swimmers were making for the shore 100 yards away. All were swimming strongly, so the lifesavers went after gear that floated out of the small boats and was being carried toward the centre of the bay.

All eight sailors were in good shape after their ducking. Later, assisted by lifesavers, they righted their craft. They withheld their names.

A lean-to shed at the rear of 1312 Queen St. W. was struck by lightning and set afire, but loss was negligible.

One of the Fire Department's main signal wires at St. Clair and Keele was hit by the lightning, temporarily disrupting communications.

Fifty feet of hydro wiring was blown down opposite 126 Huntley St., while further down the street, opposite 67, other wires fell to the roadway.

More wires fell on Lakeshore Blvd. opposite the Tip Top Tailors' building, and on Shaw St.

Hydro power was off in some rural areas. Wind reached a velocity of 50-miles-an-hour and caused several thousand dollars damage.

Most severely damaged were the districts surrounding Forest in Lambton county and Stratford and St. Mary's in Perth county. Damage was also reported at Wallaceburg, Sombra, Parkhill, Strathroy, Mount Brydges, Port Stanley, Lucan, Wardsville and other centres.

Although the storm struck in an area up to 200 miles wide, lasting but a few minutes in each, only a few areas felt the full force of its fierceness. In many centres, the storm was little more than a heavy rainfall with thunder and lightning. The storm, which swept south from James Bay and down Lake Huron, cut a path through the centre of the western counties.

At Forest, the roof of a basket factory was blown off and it severed five feeder Hydro power lines. A barn door was blown off, a farm wagon smashed, trees were uprooted and hundreds of windows were reported broken. Three hours after the storm hail was still piled in ditches.

A near-by fruit farmer estimated he lost \$18,000 when his acres of trees were "stripped" of their fruit by the wind and hail. The hail cut a swath five-miles wide, flattening grain and corn. Several stocks of grain were reported set on fire by lightning.

Loss of district tobacco plants appeared to be the major toll. Although no accurate estimates were available, damage to tobacco plants alone was counted in the thousands of dollars.

HUNTLEY K9
SHAW H2,10

767 SHAW

← FOREST.
ROOF OF BASKET
FACTORY BLOWN OFF.
(See "SARNIA
TORNADO" MAY 21/53)