

Summary Sheet

IDTO - ID Number	:694901
AUTH - Report Author	:
TYFU - Tornado Type & Fuji Code	:b2
TITL - Report Title or Location	:Alexandria
PROV - Province	:Ontario
COUN - Counties	:Stormont
REFS - References	:TS June 22, 1949
Ottawa Evening Citizen June 22, 1949	
ZOTO - Touchdown Zone Number & Easting	:18524500
NOTO - Touchdown Northing	:5015500
LOVA - Touchdown Error Value & Code	:1000o
DADA - Date of Data Entry	:18/06/1990
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	:21/06/1949
DAVA - Date Error Value & Code	:
TITO - Time of Tornado	:1500
TIMR - Time Meridian	:75
TIVA - Time Error Value & Code	:104s
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	:JAM
DFTO - Detailed Report Flag	:n
JUNK - PRDA & DIMO & DALE :	:
CODA - Property Damage Code	:
MISC - ORDE,PICS_TYPE,PICS_AVAIL,COCO :	: 2
MANY - Multiple Event Flag	:n

MEMO:Trees uprooted, roofs ripped from barns.

PHEN - Associated Phenomena	:P
TSHP - Townships	:Kenyon

JAM, 18/06/1990

AND SPLIT.

1. DATE AND TIME 21. 6. 1949 Afternoon
2. LOCATION OR PATH (attach map) VICINITY ALEXANDRIA 0694901
3. PATH LENGTH ☒ NOT KNOWN ☐ <1mi; ☐ 1-4mi; ☐ 5-10mi; ☐ 11-50mi; ☐ LENGTH IF >50mi
4. PATH WIDTH UNKNOWN 5. TORNADO PART OF SMALL 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; 7, "ALL AT ONCE THEY (THE CLOUDS) MET WITH A ROAR"
9. LIST ANY ASSOCIATED PHENOMENA (Such as hail, vivid lightning heavy rain, no rain, etc.) 1 1/2" Rain at Rockcliffe
10. TOTAL DAMAGE ESTIMATE \$ UNKNOWN 11. TOTAL DEATHS NONE
12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE
14. LIST ALL REFERENCES Toronto Daily Star, JUNE 22 1949
Ottawa Evening Citizen Wed June 22, 1949
15. SUMMARIZE REMARKS PERTAINING TO (a) FUNNEL; (b) INTERESTING OR CAPRICIOUS EVENTS.
- (a) "I SAW BLACK CLOUDS COMING FROM THE NORTH AND WHITE CLOUDS COMING FROM THE NORTHEAST. ALL AT ONCE THEY MET WITH A ROAR"
- (b) HUGE BEAMS 12 INCHES SQUARE AND 35 FT LONG WERE HURLED 100 FT LIKE MATCHWOOD. TREES UPROOTED, BARNS UNROOFED AND DEBRIS HURLED INTO THE TOP BRANCHES OF 60 FOOT TREES. "THE TWISTER CUT A SWATH THROUGH THE BUSH OWNED BY MR MACDONELL AFTER TEARING OUT THE CENTRE PORTION OF HIS BARN ROOF. TREES 26 INCHES THICK UPROOTED AND SPLIT."

0694901

WORKSHEET IDTO

① ORIGIN x 18524500
 y 5015500

⑤ Standard Error S_x 1000

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 $\rightarrow r, \theta$
 $x \leftrightarrow y =$

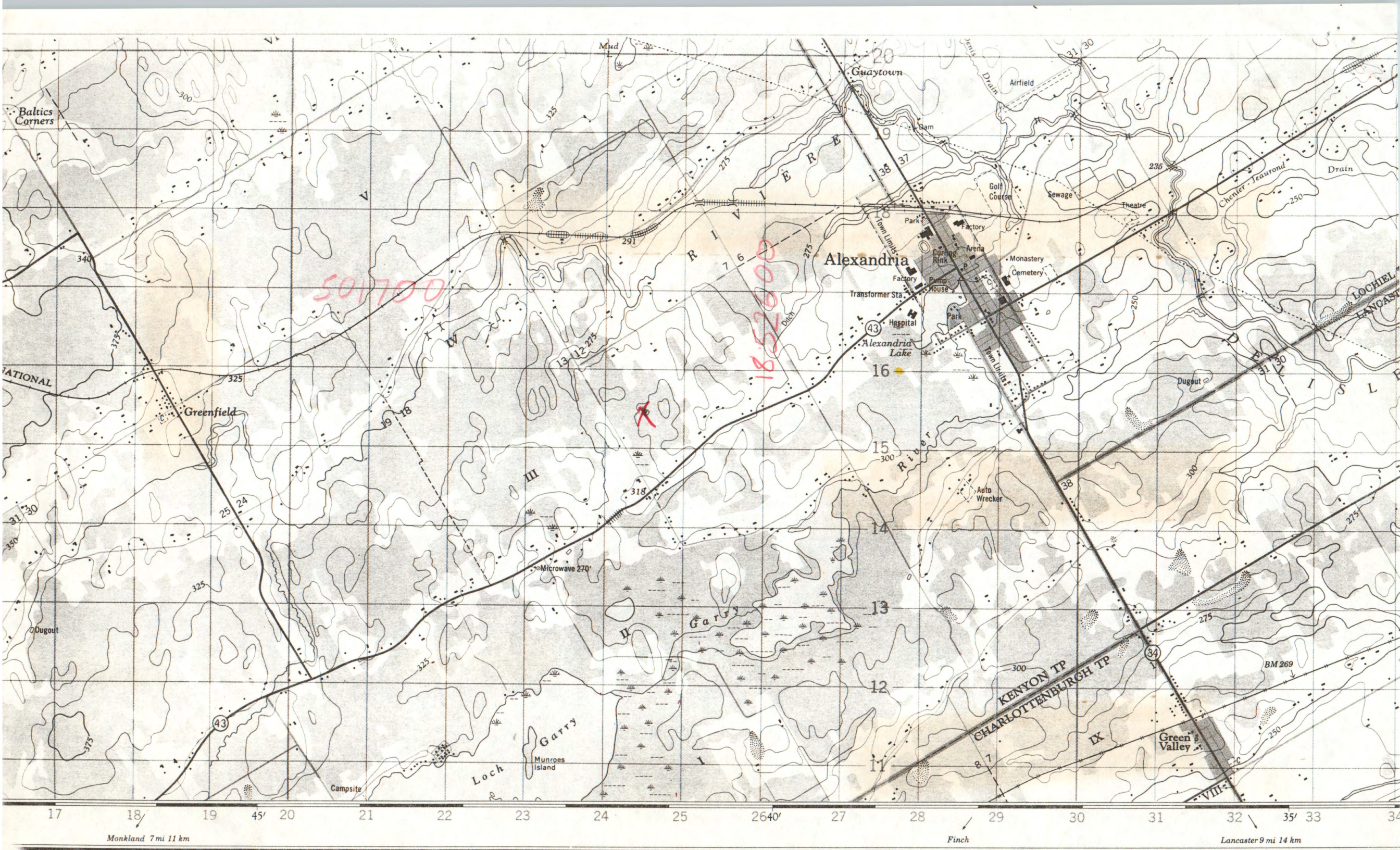
NE Quad $\phi = 90 - \alpha$

SE quad $\phi = 90 + \alpha$

NW Quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

⑪ $\phi =$



STAR JUNE 22 1949

FARM BUILDINGS SHATTERED BY ONTARIO TWISTER

STAR

Special to The Star

Alexandria, Ont., June 22 — A freakish, short-lived twister swooped down on two farms on the third concession of Kenyon township three miles west of Alexandria yesterday at the height of a violent thunderstorm. In its wake it left shattered farm buildings, upturned trees and power and telephone poles. Although several persons had narrow escapes, there were no injuries. Alexandria is 30 miles northeast of Cornwall.

The farm of W. J. Kennedy bore the brunt of the damage which was estimated in excess of \$6,000. The neighboring farm of J. A. Macdonell was also hit. The twister lasted two minutes.

"The first indication I had of trouble was when I saw black clouds coming from the north and white clouds coming from the northeast," said Mr. Kennedy. "They were low and rolling. I was standing in the yard. All at once they met with a roar. The next thing I knew I saw the whole roof of the barn flying through the air over my head. I made for the field and lay down in a ditch. I remember I felt that field was awfully small. It was all over in two minutes."

Expected Trouble

His uncle, Donald A. McDonald, has been working on his car in the yard. "I knew there was going to be trouble as soon as I saw those clouds. I got my car away from the house to be out of the way of a big maple tree and just in time, too, for down she came. I saw the pigpen roof go sailing away. Then I couldn't see a thing for the wind and rain. I couldn't even get out of the car. I just sat there until it was over and it wasn't very long."

Mrs. Kennedy had been washing milk cans in the yard and ran into the house at a shout of warning from her uncle. Just as she did, the wind caught the kitchen, ripping it apart and throwing the wreckage 30 feet.

The roof was torn off the barn and tin sheathing was scattered a half-mile. Huge beams 12 inches square and 35 feet long were hurled 100 feet like matchwood. The wind tore the roof off the pigery, but by a strange quirk scarcely touched the adjacent henhouse. Pieces of tin were loosened on the roof of a machine shed. Pieces of

tin and boards were hurled into the top branches of 60-foot trees.

Huge Trees Uprooted

A huge elm tree with five separate trunks was uprooted. The twister cut a swath through the bush owned by Mr. Macdonell after tearing out the centre portion of his barn's roof. Heavy damage was done to the maple bush with trees up to 24 inches thick being uprooted and split.

Mr. Kennedy estimated damage to his buildings at \$5,000, while Mr. Macdonell said it would cost \$1,000 at least to repair his barn. He could not estimate the damage to

his bush.

Farther to the west, the high wind sent seven hydro poles crashing across highway 48, blocking the road for five hours. Power and telephone service were not restored in the area until midnight.

There were no reports of damage elsewhere in the neighborhood.

STORM ON
21.6.1949

W. J. Kennedy
J. A. Macdonell
D. A. McDonald

Heavy Damage Caused When Tornado Hits Near Alexandria

Smashes Barns, Poles And Disrupts Services

While a full inch and a half of rain fell on the Ottawa district yesterday benefiting farmers and bringing an end to the drought, a tornado of minor proportions cut a swathe through an area two miles west of Alexandria during the afternoon.

No one was injured but damage ran into thousands of dollars as winds of high velocity knocked down a full mile of telephone poles, disrupting electric service in Alexandria until early today. High winds and cloudbursts bypassed Alexandria itself, but took the roof off a farmhouse owned by J. A. McDonald.

Greatest damage was caused on the farm of William Kennedy, in the same area. The kitchen was completely demolished and the stove inside the extension of the house was carried into the center of the yard. A pig pen, measuring 12 feet square was lifted and carried a distance of 30 feet away. A large barn was knocked flat into a pile of twisted wood beams.

Tin Wrapped Trees

Broken trees and bush were strewn everywhere as the twister disappeared. The tin roof covering the McDonald farmhouse was found wrapped around several large trees near his home, 500 yards distant. Maintenance men from the Hydro power at Cornwall were dispatched to northern points in Glengarry Township to repair fallen lines.

Provincial Police were busy most of yesterday afternoon near Alexandria re-routing traffic along side roads, bypassing the fallen lines.

F. W. Baker, the weather prognosticator's high priest, termed yesterday's downpours "a million dollar rain, with a red ribbon tied around it".

Said Mr. Baker: "It was certainly a nicely-timed rain and we received the maximum in value with the showers properly spaced and the late sudden downpours which soaked right into the ground. It certainly changed the picture as far as berries are concerned. I believe we'll have a better quality at a cheaper price, because of this rain."

The RCAF weather station at Rockcliffe provided the statistics which indicated a full inch and one half of rain had fallen since the early showers occurred shortly after 5 a.m. yesterday. The humidity reading showed a very high humidity all day, which resulted in the "mugginess" felt between showers all day yesterday.

Rain Is Over?

The RCAF men forecast a general warming up today, with no showers expected.

The rain pounded down on 1,500 persons attending the Maxville fair around 3 p.m., causing the cancellation of the remainder of the day's racing program.

Water damage to the main telephone cable at Rockcliffe put most telephones in the village out of order yesterday morning.

Bell telephone officials said the main cable had been bared during an excavation and they had not been notified. As a result, the heavy downpour early yesterday flooded the cable out and cut off phone service to most of Rockcliffe.

Repairmen were sent to the scene at once and within a short while service was restored.

The intermittent downpours that fell on Toronto's streets yesterday were the first in 24 days. Further north, however, early rains blanketed the Ottawa Valley and extended from the Gattineau Hills to the north, past Kemptville, 35 miles south of the Capital.

In many urban and suburban areas of southern Ontario, water shortages are resulting in rigid enforcement of by-laws prohibiting use of garden hoses. Several warnings to users in Ottawa have been issued as a result of excessive demands being made on water supplies.