

Summary Sheet

IDTO - ID Number :694811
 AUTH - Report Author :
 TYFU - Tornado Type & Fuji Code :c0
 TITL - Report Title or Location :Mono Centre
 PROV - Province :Ontario
 COUN - Counties :Dufferin
 REFS - References :Orangeville Banner
 September 23, 1948
 ZOTO - Touchdown Zone Number & Easting :17576650
 NOTO - Touchdown Northing :4873225
 LOVA - Touchdown Error Value & Code :100s
 DADA - Date of Data Entry :15/06/1990
 ZOLO - Liftoff Zone Number & Easting :17578800
 NOLO - Liftoff Northing :4874000
 UPVA - Liftoff Error Value & Code :30c
 DEAD - Number of Fatalities :
 HURT - Number of People Injured :
 HERT - Injuries Code :
 DATA - Date of Tornado :18/09/1948
 DAVA - Date Error Value & Code :
 TITO - Time of Tornado :2357
 TIMR - Time Meridian :75
 TIVA - Time Error Value & Code :30c
 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 : 2
 MANY - Multiple Event Flag :n

MEMO:Trees twisted and uprooted.

PHEN - Associated Phenomena :Hail
 TSHP - Townships :Mono

MJN, 15/06/1990

1. DATE AND TIME 18.9.1948 AROUND MIDNIGHT
2. LOCATION OR PATH
(attach map)
MONO CENTRE 0694811
3. PATH LENGTH NOT KNOWN <1mi; 1-4mi; 5-10mi; 11-50mi; LENGTH IF >50mi
4. PATH WIDTH UNKNOWN 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;
9. LIST ANY ASSOCIATED PHENOMENA
(Such as hail, vivid lightning heavy rain, no rain, etc.) HAIL.
10. TOTAL DAMAGE ESTIMATE \$ UNKNOWN 11. TOTAL DEATHS NONE
12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE
14. LIST ALL REFERENCES ORANSVILLE BANNER, THUR SEPT 23 1948.
15. SUMMARIZE REMARKS PERTAINING TO (a) FUNNEL; (b) INTERESTING OR CAPRICIOUS EVENTS.

(a) NO REMARKS BUT COMMENT MADE THAT WIND WAS HIGH AND SEEMED TO HAVE BEEN CYCLONIC

(b) Trees twisted off and uprooted.

WORKSHEET
IDTO

① ORIGIN x 175976650
 y 4873225

⑤ Standard Error S_x 100\$

② LIFT-OFF x_1 175978800
 y_1 4874000

⑥ Standard Error S_y 30c

③ $(x_1 - x) = 2150$

④ $(y - y_1) = 775$

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 $\rightarrow r, \theta = 2.285$

$x \leftrightarrow y = 20^\circ$

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

⑤ + ⑥ $\rightarrow r, \theta = 104\$$

⑩ $\beta = \frac{\tan^{-1} S_L}{L} 3^\circ$

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

NE Quad $\phi = 90 - \alpha$

NW Quad $\phi = 270 + \alpha$

SW Quad $\phi = 270 - \alpha$

SE Quad $\phi = 90 + \alpha$

⑪ $\phi = 250^\circ$



ORANGEVILLE BANNER. THURSDAY SEPTEMBER 23RD. 1948.

STORM DATE, BEFORE and AFTER MIDNIGHT, SEPT 18TH./19TH. 1948.

TORRENTIAL WEEKEND STORMS BROKE AUG.-SEPT DROUGHT. LIGHTNING and WIND DID CONSIDERABLE DAMAGE IN THE ORANGEVILLE DISTRICT.

The lengthy August and September drought came to an end Saturday night. Following light showers earlier in the night, ORANGEVILLE was visited by a series of torrential showers shortly before and after midnight. The town has seldom experienced a heavier rain. In a few minutes streams of water were pouring down Broadway and every other street that had a fall. On the level the water was soon ankle deep. Fortunately there was very little wind. Broadway was thronged with autos when the downpour began and as the stores had either closed or were about to close there was lively scurrying for shelter of the cars. Autos were soon streaming out of town over all the highways, although not a few motorists chose to park along the streets and wait until the worst of the downpour was over.

From CAMILLA east there was more wind than here and some hail at a number of points. Along 15 SIDEROAD between the 3RD. and 4TH. LINES the wind was high and seems to have been cyclonic. WILLIAM GRANT, first Great War Veteran, who lives on the EAST HALF, LOT 15, CONCESSION 4, MONO had a fortunate escape from having the verandah of his house destroyed. A cedar tree, 10 or 12 inches through the trunk, standing at the west end of the verandah, was twisted off about 7 feet from the ground and the top hurled across the roof of the verandah. Fortunately for MR. GRANT and family, the verandah did not collapse. The yard in front of the GRANT home was strewn with branches, and across the way on the north side of the SIDEROAD a large apple tree was torn from its moorings and carried a distance of 15 or 20 feet. Nearby a large branch was torn from a tree and hurled across the roof of a summer house. At the highway corner south of MONO CENTRE, FRED BUCHANAN had 5 apple trees uprooted by the gale.

The story continues at some length describing lightning strikes.

A photo appears in the SEPT 30TH. issue showing the top of the cedar tree on MR. GRANT'S verandah roof.