

A

TORNADO PROJECT SUMMARY SHEET

F=0

ONT

1. DATE AND TIME FALL OF 1960 OR SPRING OF 1961 LATE AFTERNOON

2. LOCATION OR PATH (attach map) FORT ERIC (CHECK JULY 7 1961 WHEN TWISTED WENT THROUGH PARTS OF GRAND ISLAND (SUBURBAN B.V.)
FROM 250° 06961-05

3. PATH LENGTH NOT KNOWN <1mi; 1-4mi; 5-10mi; 11-50mi; LENGTH IF >50mi

4. PATH WIDTH UNKNOWN 5. TORNADO PART OF ... 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; 6. SEE BELOW

9. LIST ANY ASSOCIATED PHENOMENA (Such as hail, vivid lightning heavy rain, no rain, etc.)

10. TOTAL DAMAGE ESTIMATE \$ 11. TOTAL DEATHS

12. TOTAL INJURED 13. TOTAL HOMELESS

14. LIST ALL REFERENCES PERSONAL CORRESPONDENCE WITH MRS THOMAS S BRIGGS FORMERLY OF FT ERIC.

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

(a) WE SAW THE GREENISH YELLOW CLOUDS AND A FUNNEL SHAPED CLOUD COMING OUT OF THE SOUTHWEST.

(b) UPRIGHT TRUCKS, LIFTED A GARAGE OFF ITS FOUNDATION TURNING IT UPSIDE DOWN

WORKSHEET

IDT0 06961-05

① ORIGIN x 17668900
 y 4755350

⑤ Standard Error S_x
 $C=100$

② LIFT-OFF x_1 17670100
 y_1 4755650

⑥ Standard Error S_y
 $C=100$

③ $(x_1 - x) = 1200$

④ $(y - y_1) = 300$

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 $\rightarrow r, \theta = 1237$

$x \leftrightarrow y = 14$

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

⑤ + ⑥ $\rightarrow r, \theta = 141$

⑩ $\beta = \frac{\tan^{-1} S_L}{L}$

⑦ + ⑨ $\rightarrow r, \theta$
 $x \leftrightarrow y = 6$

NE Quad $\phi = 90 - \alpha$

SE quad $\phi = 90 + \alpha$

NW Quad $\phi = 270 + \alpha$

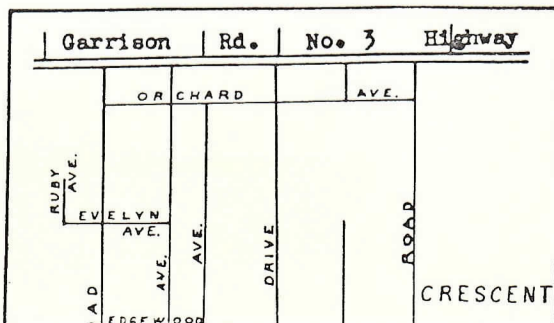
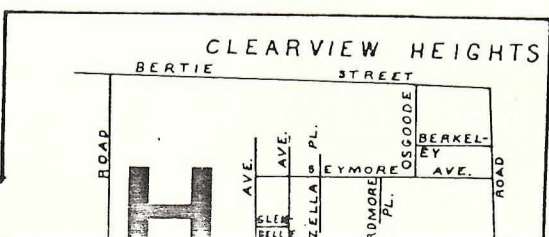
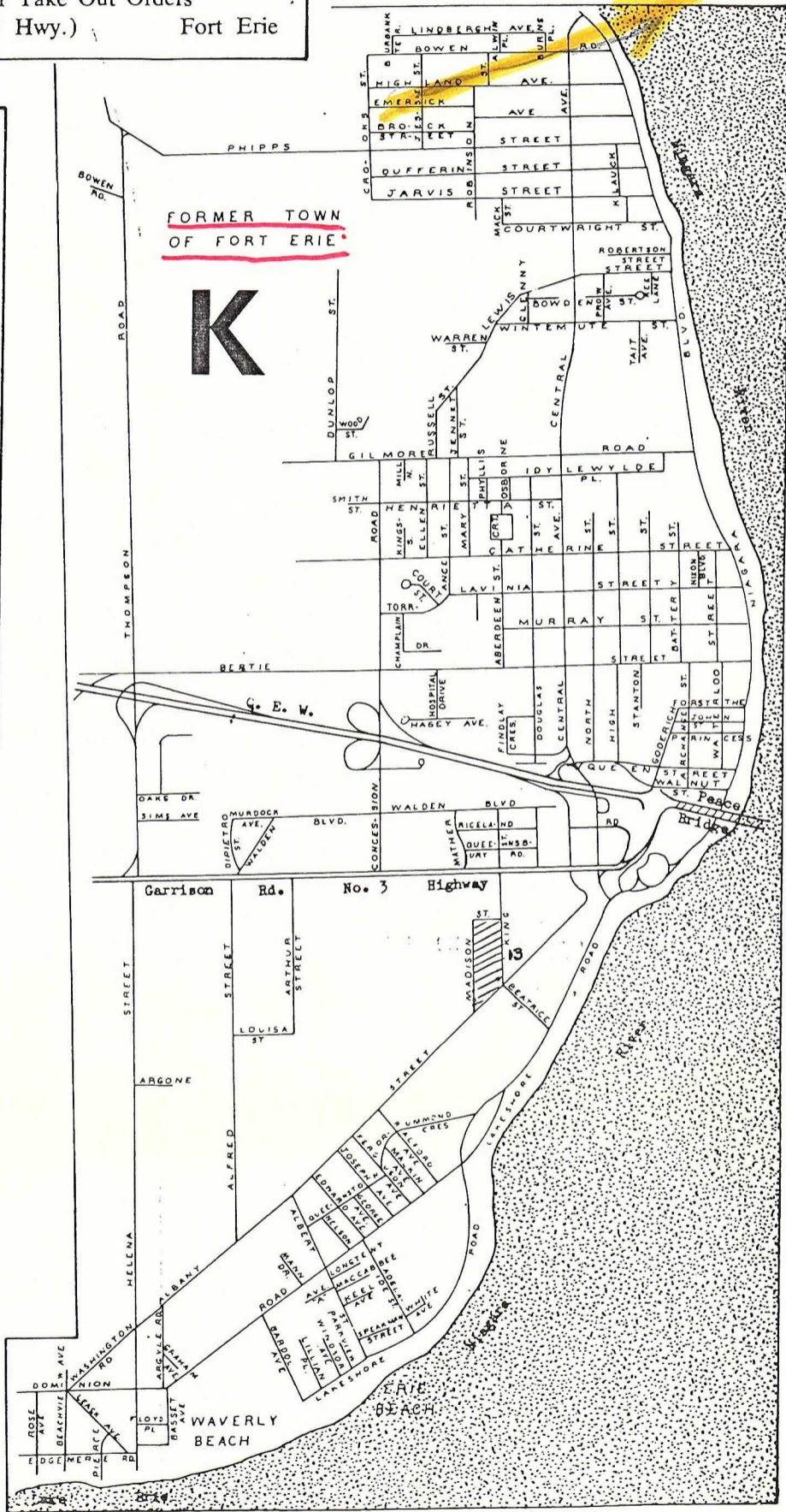
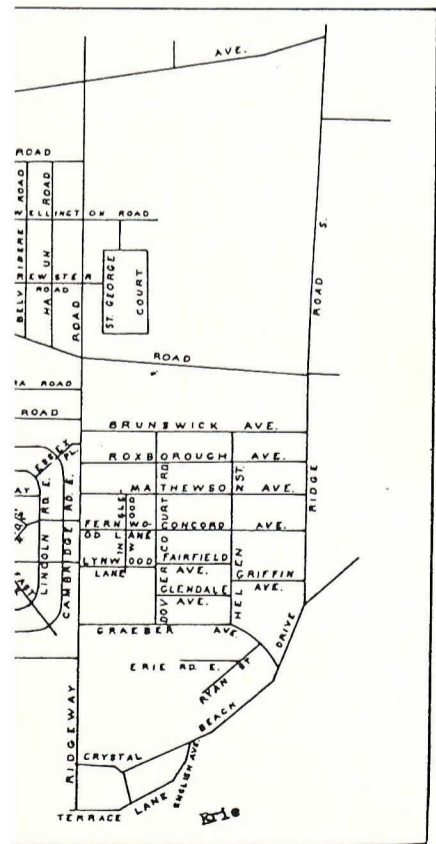
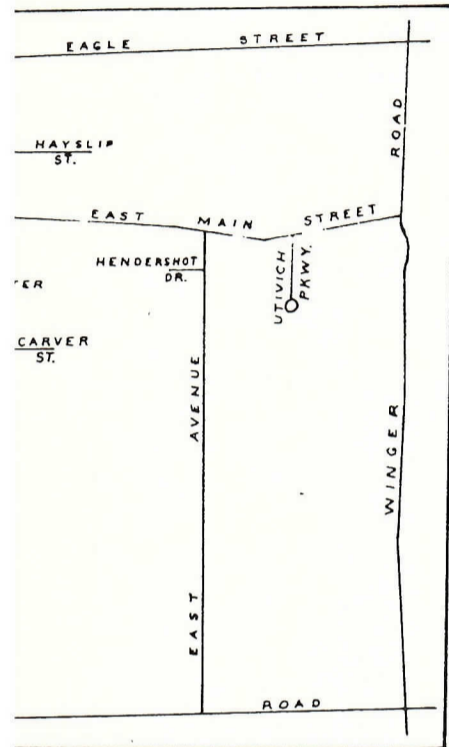
SW Quad $\phi = 270 - \alpha$

⑪ $\phi = 256$

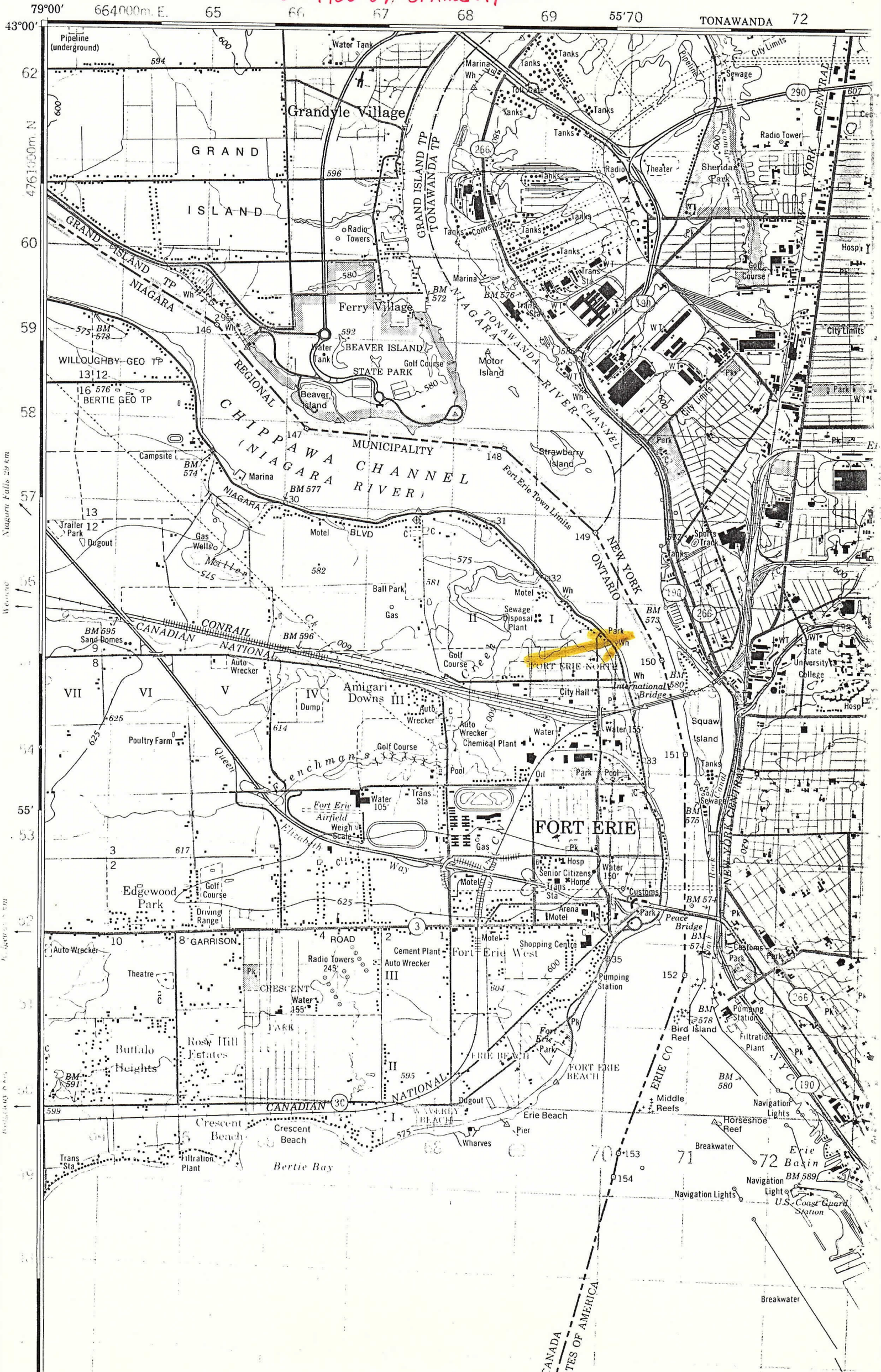
G H I

Green Acres Drive-In Restaurant

FINE FOODS FOR THE WHOLE FAMILY TO ENJOY
 Coffee Shop — Dining Room — Outdoor Patio
 Telephone 871-1212 for Take Out Orders
 Garrison Road (No. 3 Hwy.) Fort Erie



"FALL" 1960 or "SPRING" 1961.



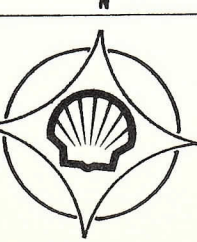
Niagara Falls 29 km

Wentzle

4.500000 km

1.500000 km

CANADA
UNITED STATES OF AMERICA



Map showing major cities and towns in Southern Ontario, Canada, including Toronto, London, Hamilton, and Niagara Falls. The map includes a grid of latitude and longitude lines, a compass rose, and various geographical features like lakes and islands. Major cities and towns labeled include: Toronto, Mississauga, Brampton, Guelph, Waterloo, Kitchener, Stratford, Woodstock, Brantford, Hamilton, Burlington, Oakville, Niagara Falls, and London. The map also shows the border with the United States and the Great Lakes region.

597 Alexander Cres.
Beaconsfield, Quebec
February 19, 1977.

H. Allard
Jonas's Project
Dept. of Fisheries & the Environment
Atmospheric Environment Service
Quebec Region
100 Allée Tison Blvd.
Room 300
Ville St-Laurent

Dear Sir:

Having read your article on
tornadoes in the Gazette, I want
to tell you about a tornado we
experienced in the town of Fort
Erie, in the Niagara Peninsula,
Ontario, in either the fall of
1960 or the spring of 1961. I believe
it was late in the afternoon
& the tornado was

very localized, covering no more
than two blocks in our town.
We saw the greenish yellow
clouds, & a funnel shaped
cloud, coming out of the
south-west. The wind
seemed to sweep down at
our house & threw tricycles
& a wagon about one hundred
feet to be stopped by a row
of poplar trees. Three doors
sway, a garage was lifted
right off its foundation &
turned upside-down in the
next yard. Then the tornado,
still travelling north-east,
damaged property on the other
side of the block, pulling up
huge trees by the roots &
leaving them sprawled over
yards & road. The tornado
then passed on to the

3/ Niagara River.

Many of the details of the damage are forgotten now, but it was amazing to follow the path of the tornado after things were quiet, & see the hundreds of branches torn from trees, in just these two blocks, while houses & trees across the street were untouched.

Yours truly,
Margaret Briggs
(Mrs. Thomas J.)

over,

