
**Confirmed Tornado
Toronto, Ontario
August 13, 1956**

Date- Local: Monday, August 13th, 1956

UTC: Monday, August 13th, 1956

Time- Local: 1900

UTC: 2300

Location: Toronto (Near Weston)

Region: York - Durham

Classification: Confirmed Tornado

Category: -999

Casualties: None

Track Length: 19510 m

Width: None available

Motion: 270 degrees

Damage Estimate: \$1 million

F-Scale Rating: F1

Code: UH

Damage Survey: None

Spotter Reports: None

Other Documents:

Newspaper articles, one which provides a detailed map of damages and their locations in the city

Second map of the tornado track done by hand

Newark summary sheet

Tornado F-Scale Re-Assessment

Brad L. Rousseau

Tornado Data Production Assistant, Environment Canada

January 26th, 2011

Classification: Confirmed Tornado

Date: Monday, August 13th, 1956

Location: Toronto (Near Weston), York – Durham Region

Original Assessment: F2

Re-Assessment: F1

F-Code: UH

Explanation of Assessment: There were reports of roofs being damaged but no reports of roofs being completely removed as pointed out in the Newark summary. Partial roof removal constitutes F1 rating according to the Wind Damage Rating table.

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F=2

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1. DATE AND TIME 13. 8. 1956 APPROX 1800 LOCAL

2. LOCATION OR PATH (attach map) TORONTO

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, "I HEARD A TREMENDOUS ROAR"

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

10. TOTAL DAMAGE ESTIMATE \$ 1 MILLION 11. TOTAL DEATHS |

12. TOTAL INJURED UNKNOWN 13. TOTAL HOMELESS A NUMBER OF APARTMENT DWELLERS

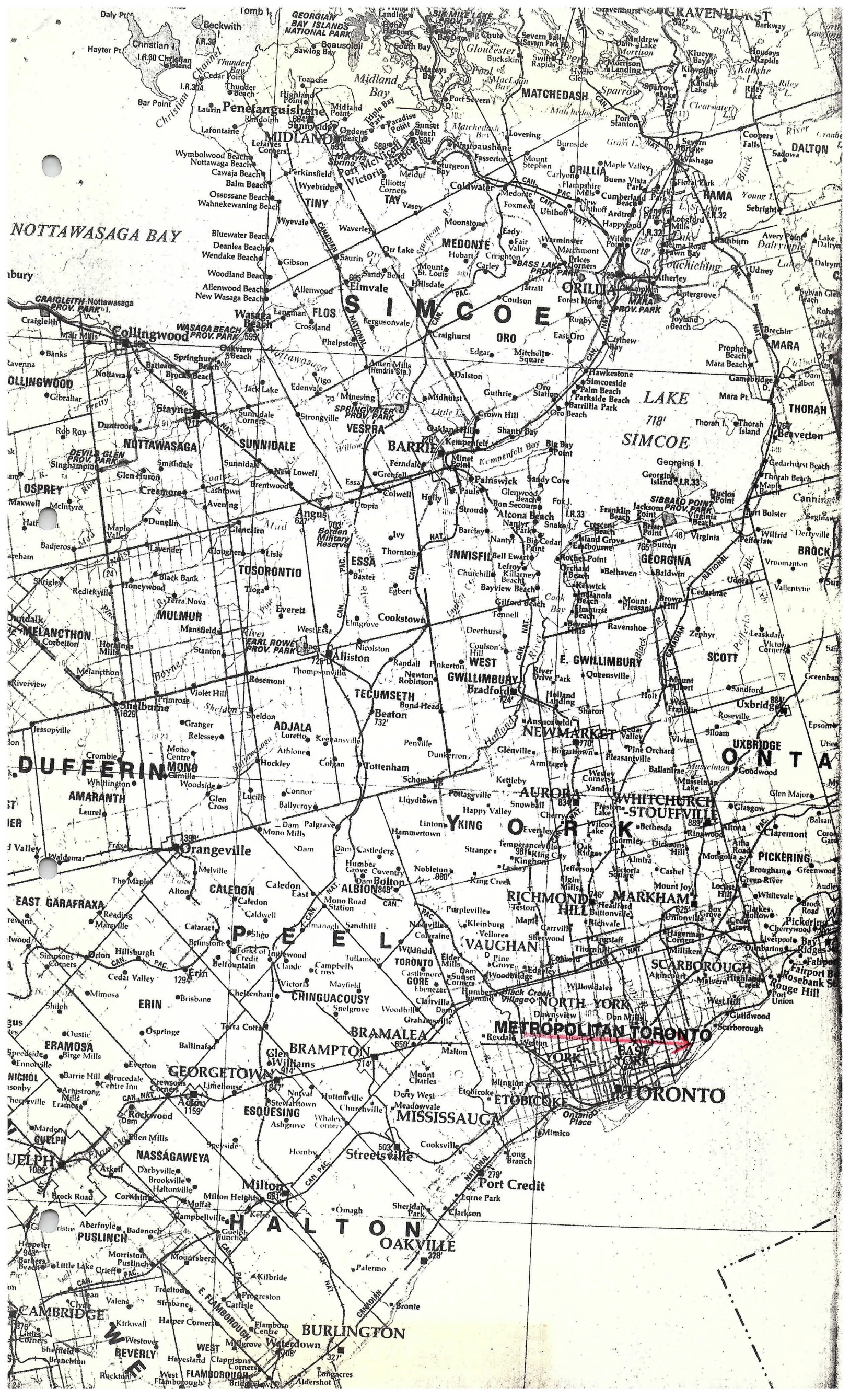
14. LIST ALL REFERENCES TORONTO DAILY STAR, AUG 14 1956

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

(a) THE BLINDING RAIN SUDDENLY TURNED INTO SPIRALLING FUNNELS.

(b) THE STREETS WERE A TANGLE OF FALLEN TREES. THE ODD GARAGE AND CONSTRUCTION SING PICKED UP. STOREFRONTS ON YONGE ST BLOWN OUT AND ONE STORE WAS PLASTERED WITH FEATHER, APPARENTLY BLOWN FROM MATTRESSES HURLED THROUGH THE AIR. PART OF SOME ROOFS TAKEN OFF.

MRS BEATRICE ANDERSON WAS IN THE BEDROOM OF HER YONGE ST APARTMENT - "I LOOKED UP AND SAW THE SKY. PART OF THE ROOF HAD BEEN TORN AWAY. I WAS STANDING IN DEBRIS. THEN THE RAIN CAME. IT POURED THROUGH FLOODING THE FLOOR TO ALMOST A FOOT DEEP. DRENCHED TO THE SKIN, I CARRIED PAILS FULL OF WATER AND EMPTIED THEM IN THE BATHROOM. LATER I WENT OUTSIDE AND SAW BIG PIECES OF THE ROOF HAD FALLEN ON THE ROAD. ... BRICKS HAD BEEN TORN LOOSE AND HURLED DOWN THE FIRE ESCAPE. ... ITS A MIRACLE NO ONE WAS KILLED."



NOTTAWASAGA BAY

OLLINGWOOD

DUFFERIN

EAST GARAFRAXA

WELPH

CAMBRIDGE

GEORGIAN BAY ISLANDS NATIONAL PARK

MIDLAND

TINY

WASAGA BEACH PROV. PARK

SUNNIDALE

MULMUR

ADJALA

ERIN

BRAMPTON

HALTON

BURLINGTON

GLoucester

MEDONTE

ELMVALE

BARRIE

TECUMSETH

YKING

VAUGHAN

MISSISSAUGA

OAKVILLE

MATCHEDASH

ORILLIA

ORILLIA

INNISFILL

WEST

AURORA

MARKHAM

ETOBICOKE

YORK

GRAVENHURST

RAMA

ORILLIA

GEORGINA

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WHITCHURCH

SCARBOROUGH

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WORKSHEET 0695602

ORIGIN x 17619500
 y 4841000

Standard Error S_x
C 2000 m

LIFT-OFF x_1 17639000
 y_1 4840400

Standard Error S_y
C 2000 m

$$(x_1 - x) = 19500$$
$$(y - y_1) = 600$$

DAMAGE LENGTH

$$L = [(x_1 - x)^2 + (y - y_1)^2]^{1/2}$$
$$= 19509$$

Standard Error $S_L = (S_x^2 + S_y^2)^{1/2}$
 $= 2828$ C

$$\beta = \frac{S_L}{57.29L}$$
$$= 8^\circ$$

$$\alpha = \tan^{-1} \frac{|y - y_1|}{|x - x_1|}$$
$$1.8^\circ$$

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

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