A

# TORNADO PROJECT SUMMARY SHEET

F=0 ONT

1. DATE AND TIME 11.7.1969 1230 EST

2. LOCATION OR PATH (attach map) PETERBOROUGH 0696917

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

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 heavy rain, no rain, etc.)

10. TOTAL DAMAGE ESTIMATE $ U 11. TOTAL DEATHS NONE

12. TOTAL INJURED NONE 13. TOTAL HOMELESS U.

14. LIST ALL REFERENCES

PETERBOROUGH EXAMINER, JULY 12, 1969

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

(a) A roaring twisting rain storm

(b) Trees broken and uprooted

WORKSHEET

IDTO 0696917

(1) ORIGIN $x$ 1771225 0

$y$ 491115 0

(2) LIFT-OFF $x_1$ 1771590 0

$y_1$ 490900 0

(3) $(x_1 - x)$ = 3650

(4) $(y - y_1)$ = 2150

(5) Standard Error $S_x$ 250 C.

(6) Standard Error $S_y$ C 250

(7) DAMAGE LENGTH

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

(3)+(4) [→ r, θ] = 4236 m

(8) $\alpha = \tan^{-1} \dfrac{|y - y_1|}{|x - x_1|}$

[x ↔ Y] = 30°

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

(5)+(6) [→ r, θ] = 354 m

(10) $\beta = \dfrac{\tan^{-1} S_L}{L}$

(7)+(9) [→ r, θ]

[x ↔ Y] = 5°

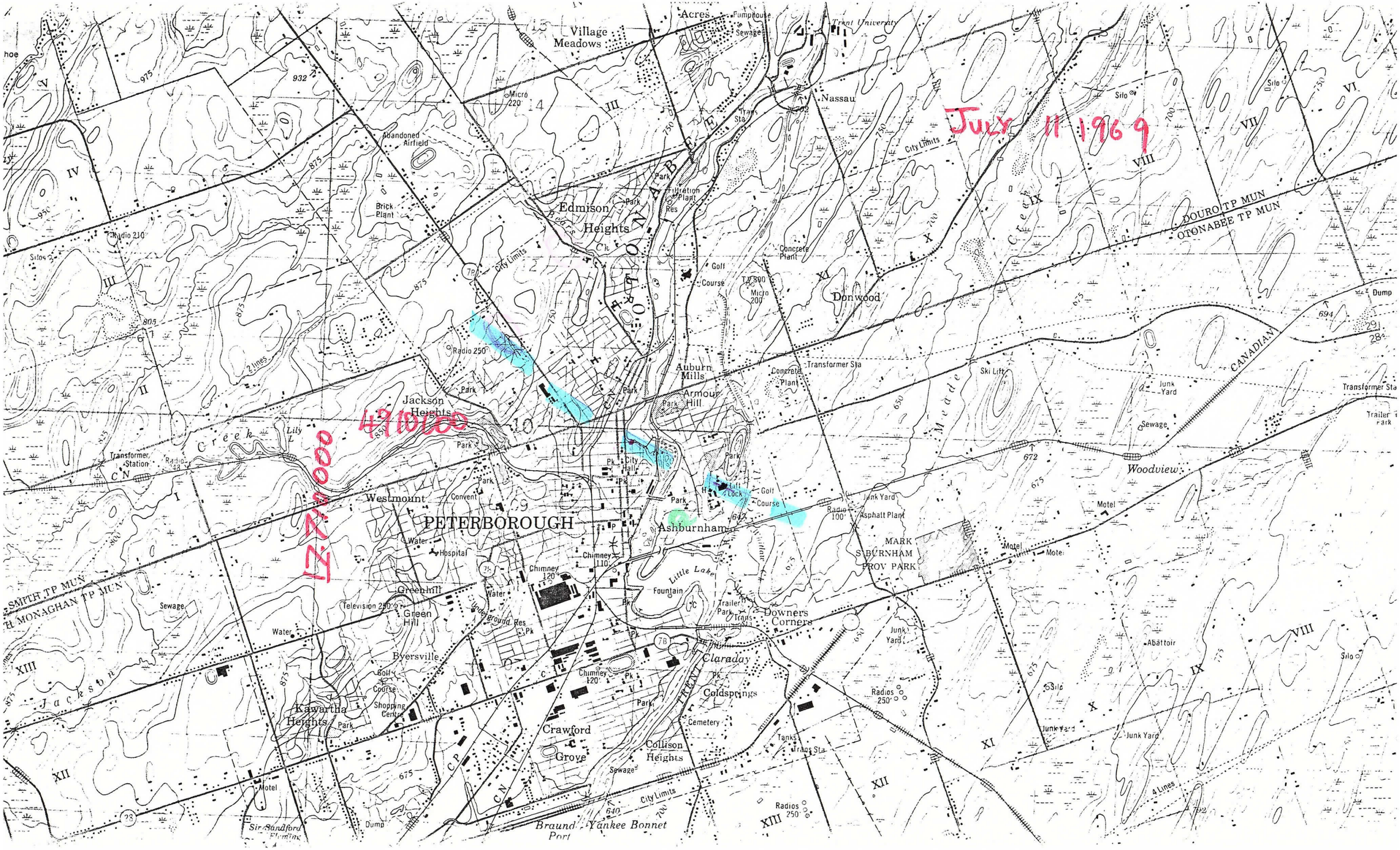
NE Quad $\phi = 90 - \alpha$

NW Quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

(11) $\phi$ = 300°


July 11 1969
421000
17 Rd 000
PETERBOROUGH
Westmount
Jackson Heights
Auburn Mills
Armour Hill
Edmison Heights
Donwood
Ashburnham
Woodview
Downers Corners
Claraday
Coldsprings
Kawartha Heights
Crawford Grove
Collison Heights
Byersville
Greenhill
Green Hill
Village Meadows
Nassau
Trent University
Douro Tp Mun
Otonabee Tp Mun
Smith Tp Mun
Monaghan Tp Mun
Mark S Burnham Prov Park
Little Lake
Otonabee River
Jackson Creek
Lily Creek
Meade Creek
Trent Canal
Canadian
Braund
Yankee Bonnet
Port
Sir Sandford Fleming
Abandoned Airfield
Brick Plant
Concrete Plant
Asphalt Plant
Junk Yard
Ski Lift
Golf Course
Shopping Centre
Underground Res
Filtration Plant
Transformer Station
Trailer Park
Abattoir
Motel
Hospital
Convent
Cemetery
Fumphouse
Sewage
Dump
Silos
Tanks
Lift Lock
City Limits
Trans Sta
Micro 220
Micro 200
TV 800
Radio 210
Radio 250
Radio 100
Radio 148
Television 280
Chimney 120
Chimney 110
Water
Park
Golf Course
Motel
Junk Yard
Trailer Park
Transformer Sta
Radios 250
Radios 250
Silo
Dump
4 Lines
2 lines
CN
CP
CN
CP

A division of Maclean-Hunter
481 University Ave., Toronto 2

Peterborough Examiner, Ont.
Circ. 26,354
July 12, 1969



LEAVES PLUG DRAINS, CAUSE FLOOD
Tom Gerow, 12, lends a hand on Bolivar St.

## Brief but Savage . . PM FRIDAY JULY 11 1969

# Storm Fells Trees, Floods Streets

A roaring, twisting rainstorm cut a swath through the north half of the city Friday afternoon, uprooting at least six sturdy trees and sending limbs crashing to the ground on about two dozen more.

Winds estimated at up to 60 miles per hour, roared in from the Brookdale Plaza area, slashed southeast and on into Otonabee Township after knocking over a tree near the Liftlock.

Board of works clean up crews were out in force from shortly after 1:30 p.m. and spent the remainder of the afternoon clearing debris.

A board spokesman said about 30 calls for help were received from residents in areas where trees and limbs came crashing down on streets and lawns.

Trees were down at the corner of George and Dublin St., 546 Waterford St., 454 Mark St., at 470 Rogers St., at 88 Douro St., and on Ashburnham Dr. This particular path of destruction was on a curving line from Dublin St. to the Liftlock.

In the south end of the city "there was hardly enough rain to wet the ground" as one resident put it.

Mrs. Gary Hildenbrand, of 470 Rogers St. was on her front verandah when the deluge began. She said the wind drove the rain in sheets and splintered a big limb on a tree on the other side of the street. Traffic was held up for an hour while works crews removed the limb.

Unknown to Mrs. Hildenbrand, a tree beside her house was uprooted about that same time by the wind, toppling neatly between her house and the neighbor's to the south. Had it fell westward, a small European car with a canoe atop would have been crushed.

Water was curb - high on a number of low - lying streets where the volume was too great for catch basins to handle in a single gulp, and children frolicked in the new found bathing pools.

While the main force of the twister was in the mid-Ashburnham, there was enough force at its northern fringe to topple the wooden flagpole at Peterborough Golf and Country Club.