A TORNADO PROJECT SUMMARY SHEET JUNE F=2 ONT

1. DATE AND TIME 24·6·1951 900 EST ~~2000 EDT~~

2. LOCATION OR PATH (attach map) MIDHURST 06951-04

PATH OF TORNADO FROM 283°

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

4. PATH WIDTH 200 YDS 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; 6 "EVERYTHING WAS BLACK".
7. A ROARING TORNADO

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

10. TOTAL DAMAGE ESTIMATE $ 200,000 11. TOTAL DEATHS NONE

12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE

14. LIST ALL REFERENCES

TORONTO DAILY STAR, JUNE 25 1951
BARRIE EXAMINER, JUNE 25 1951
GLOBE & MAIL, TORONTO JUNE 25, 1951

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

(a) "BRICKS AND PIECES OF TREES WERE TUMBLING ALL OVER THE PLACE. THERE WAS A SOLID COLUMN OF DIRT BETWEEN THE GROUND AND THE SKY"

"IT LOOKED LIKE A FIRE, A GIGANTIC PILLAR OF SMOKE ROLLING AT ME" IT LIFTED WATER FROM LITTLE LAKE.

(b) 5 SOFT HYDRO POLES CARRYING 44,000 VOLT LINES WERE LIFTED OUT OF THE GROUND AND HURLED INTO THE AIR LIKE MATCHSTICKS. TREES OF 3 AND 4 FT DIAMETER IMPALED INTO HOMES IN MIDHURST. SCORES OF BUILDINGS LEVELLED, SOME LIFTED CLEAN OFF THEIR FOUNDATIONS.

MRS RICHARDSON SAID "I RAN AS FAST AS I COULD TO THE HOUSE. WE COULDN'T SHUT THE WINDOWS BECAUSE THE SUCTION WAS SO GREAT. CURTAINS AND BLINDS WERE RIPPED OUT. ONE MIGHTY SWOOSH AND IT WAS ALL OVER."

A CAR OWNED BY JACK MCCARTNEY BLOWN FROM HIS DRIVEWAY AND CARRIED 300 YDS BEFORE HITTING A TREE. BARNS AND BUILDINGS UNROOFED AND ACRES OF REFORESTED LAND RUINED BY UPROOTED TREES.

WORKSHEET 0695104

ORIGIN x 17596300
y 4922400

Standard Error S_x
C 500 m

LIFT-OFF x_1 17606000
y_1 4920200

Standard Error S_y
C 1000 m

$(x_1 - x)$ = 9700
$(y - y_1)$ = 2200

DAMAGE LENGTH

$$L = [(x_1 - x)^2 + (y - y_1)^2]^{1/2}$$
$$= 9946$$

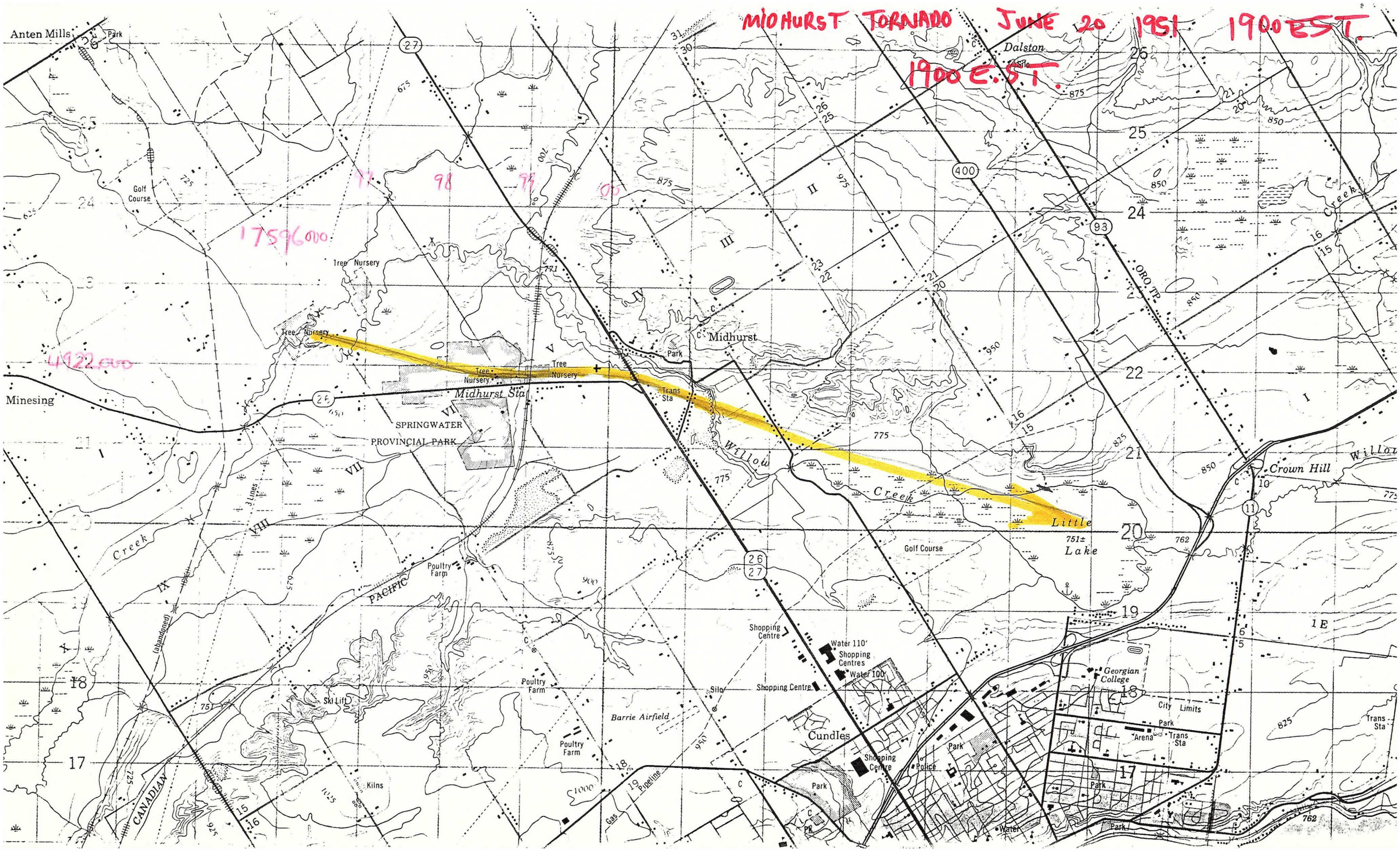
Standard Error $S_L = (S_x^2 + S_y^2)^{1/2}$
$= 1118$ C.

$$\beta = \frac{S_L}{57.29L}$$
$= 6°$

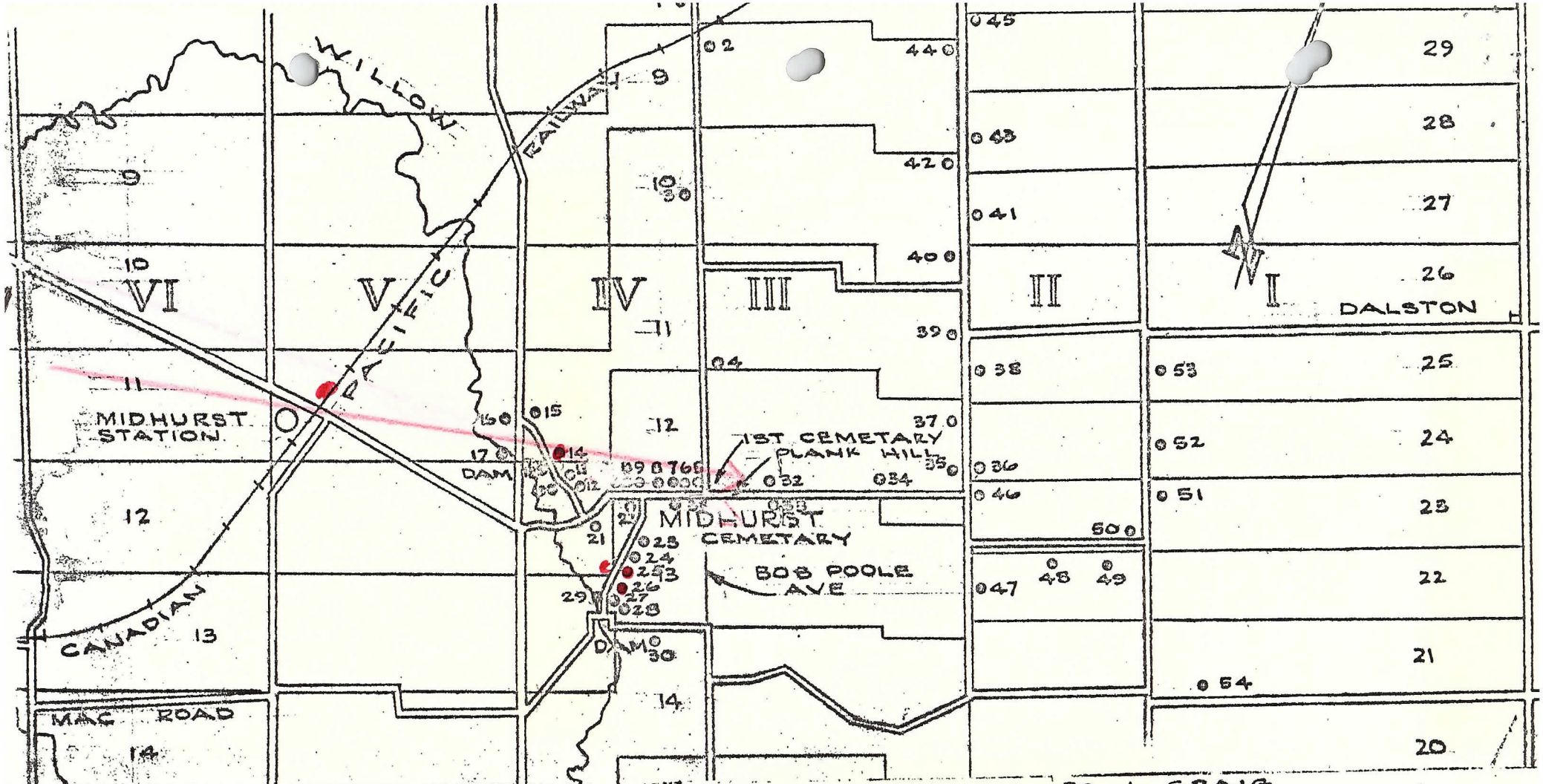
$$\alpha = \tan^{-1}\frac{|y - y_1|}{|x - x_1|} = 12.8°$$

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

$\phi = 283°$


MIDHURST TORNADO JUNE 20 1951 1900 EST.
1900 E.S.T.
17596000
4922000
Anten Mills
Park
Golf Course
Tree Nursery
Midhurst
Park
Trans Sta
Midhurst Sta
SPRINGWATER
PROVINCIAL PARK
Minesing
Willow
Creek
Little
Lake
751±
Golf Course
Dalston
Silo
Crown Hill
Poultry Farm
PACIFIC
CANADIAN
(abandoned)
Ski Lift
Kilns
Barrie Airfield
Silo
Shopping Centre
Water 110'
Shopping Centres
Water 100'
Cundles
Shopping Centre
Police
Park
Georgian College
City Limits
Arena
Trans Sta
Gas Pipeline
ORO TP
Creek
Willow
Trans Sta
Water
Park


Toronto
Mississauga
Oakville
Burlington
Hamilton
Brampton
Georgetown
Guelph
Kitchener
Waterloo
Stratford
Woodstock
Brantford
Galt
Preston
St. Thomas
Simcoe
Dundas
Oshawa
Ajax
Bay Ridges
Whitby
Richmond Hill
Aurora
Newmarket
Barrie
Orillia
Midland
Owen Sound
Collingwood
Wasaga Beach
Huntsville
Parry Sound
Bracebridge
Gravenhurst
Muskoka Beach
Uffington
Minden
Lindsay
Peterborough
Port Hope
Cobourg
Belleville
Trenton
Napanee
Kingston
Brockville
Prescott
Cornwall
Ottawa
Pembroke
Deep River
Petawawa
North Bay
Sudbury
Timmins
Kapuskasing
Hearst
Cochrane
Moosonee
Moose Factory
Sault Ste. Marie
Wawa
Chapleau
Hornepayne
Manitouwadge
Geraldton
Longlac
Nipigon
Thunder Bay
Fort William
Kenora
Dryden
Sioux Lookout
Red Lake
Pickle Lake
Fort Hope
Big Trout Lake
Sandy Lake
Attawapiskat
Fort Albany
Kashechewan
Peawanuck
Winisk
Lansdowne House
Pickle Crow
Ear Falls
Pikangikum
Poplar Hill
Deer Lake
Keewaywin
Sachigo Lake
Bearskin Lake
Muskrat Dam
Kasabonika
Wapekeka
Kingfisher Lake
Wunnumin Lake
Lac Seul
Sioux Narrows
Nestor Falls
Rainy River
Fort Frances
Atikokan
Marathon
White River
Wawa
Blind River
Elliot Lake
Espanola
Little Current
Manitoulin Island
Tobermory
Wiarton
Owen Sound
Meaford
Thornbury
Collingwood
Stayner
Barrie
Orillia
Midland
Penetanguishene
Parry Sound
Huntsville



1 DR. R. OROK
2 M. OROK
3 A. DWYER
4 S. GILL
5 PATRON HALL
6 SCHOOL
7 C. STEWARTS
8 BLACKSMITHS SHOP
9 W. BLACKS
10 G. FRANKLINS
11 J. McGOWAN
12 POST OFFICE
13 G. SNEATH
14 ANGLICAN CHURCH
15 ROBINSONS BLACKSMITH SHOP
16 A. COCKRANE
17 LIGHTHOUSE (HYDRO)
18 R. FIELDHOUSE
20
21 AUNT JUDY RUSSELL
22 PATSY DORAN
23 VAL
24 WILLIAMS PLANING FACTORY
25 G. FINLAY
26 GRIST MILL
27 R. WATTIE
28 SAWMILL
29 LIGHT HOUSE (HYDRO)
30 SOAP FACTORY
31 UNITED CHURCH
32 F. FRANKOM
33 N. BARRETT
34 A. GARVIN
35 H. RUSSELL
36 J. DORAN
37 S. GILL
38 J. HANDY
39 J. CRAIG
40 R. RUSSELL
41 F. FRANKOM
42 J. OROK
43 J. SPENCE
44 J. O'REILLY
45 J. STORY
46 G. SPENCE
47 J. COUTTS
48 C. FERGUSON
49 A. MONTIETH
50 W. DRURY
51 F. PERKINS
52 G. McQUAIG
53 A. SALSBURY
54 J. FARQUASON

SCALE - 2 IN. = 1 MILE

BARRIE EXAMINER. MONDAY JUNE 25TH. 1951.

STORM DATE. SUNDAY EVENING JUNE 24TH. 1951.

TORNADO STRIKES MIDHURST. POPULATION 200.

DAMAGE $150,000, AS BARNS WRECKED, ACRES OF TREES DOWN.

MIDHURST. JUNE 24TH. A tornado swept through MIDHURST this evening, and in two minutes, wrecked at least three barns, levelled 100 acres of 25 year growth pine trees on the Provincial Forestry Station, and downed hydro and telephone lines. There were no injuries.

The tornado struck about 8pm as the sky darkened as though for a thunderstorm, and crossed No 27 highway , then passed through the centre of MIDHURST. It passed within a 100 feet of Springwater Park, the width being about 200 yards wide, and about over one mile in length.

The twister came from the west and petered out a few hundred yards east of MIDHURST. Roughly it approached the apex formed by the junction of highways 26 and 27, swerving north across highway 27 to hit the village. One resident reported "a sudden roar, then the wind hit us, shattering window glass inwards. One hundred yards east of this house a barn owned by Mr. GEORGE FINLAY was wrecked, the walls torn off and the roof leaning. Across the road the garage of Mr. W. G. RICHARDSON was blown over. His daughter, VERNA, lying down at the time, heard a roaring, shreiking sound, and then the doors blew in. Looking out she saw the wind snap off a 100 foot Maple tree like a matchstick. "Everything was going around, and there was sand everywhere. It was pitch dark and seemed to be over in a second."

METH ADAMSON, superintendent of the Provincial Forestry Station, and who has been at the station 22 years, said in two minutes he saw the good part of the work of those years ruined. 100 acres of trees, mostly Pine, were levelled. If the tornado had struck 300 feet south, where the stations main sheds, offices, and large dwellings are located, the damage would have been over 500,000 dollars. As it was two forestry barns, 40 by 60, and the other 100 by 50, had the roofs torn off, and 4,000 feet of overhead one inch irrigation pipe twisted almost beyond repair. A 30 by 60 foot barn used by the highways department, as a nursery for roadside trees, was levelled.

Midhurst railway station was not touched, but only 20 yards away a chimney, one of dozens in the area, to topple, was torn off the store of BOB PEACOCK. About 100 yards north of the station a toolhouse beside the tracks, was completely demolished.

No cars got in the path of the tornado , although there was heavy Sunday traffic.

A hen hatching chicks in a chicken house, whose roof was taken off, was swept up , and no trace has since been found of them.

A car owned by JACK Mc. CARTNEY was blown from the drivewayb and carried 300 yards alond the road where it hit a tree.

SID TAYLOR, well known amatuer boxer, was sitting in his car with HAROLD HOWEY , beside his house in MIDHURST, when the car nearly took off. The garage immediately in front of them crashed in ruins. Two 75lb weights on top of the garage were blown off. For a time a search failed to reveal them. Finally one was located about 25 feet away, buried in the ground, and the other was 50 feet away.

A large storage barn belonging to HAROLD TAYLOR, lost its roof.

Upward of 50 chickens were blown about the area, but it was believed no other farm stock was harmed.

All C.P. R. lines were down and the station agent could not make contact with points to the notth.

The tornado started at the 7TH line of VESPRA TOWNSHIP. SAM HILTS, farmer, reported only the odd tree was hit on his side of the line, but across the road on the property of GEORGE PAIN a barn roof crumpled. The first floor held, and the horses on the ground floor were unharmed. Mr. PAIN said, the house shook violently, a small shed was moved off its base, and an iron pipe was bent.

At the home of Mr. ADAMSON , a number of Blue Spruce in their prime were uprooted on the lawns. Two of the finest , flanking the verandah.

Good photographs appear in the issue of the BARRIE EXAMINER for THURSDAY JUNE 28TH 1951.

MIDHURST ANGLICAN CHURCH — Tree on roof. Trees around it , down Large photo levelled trees in cyclonic fall pattern.

FORESTRY STATION— From above, showing buildings unroofed, and area scattered with lumber. (some from piled lumber.)