

A

1. DATE AND TIME **1625 EST. SAT. AUG. 3. 1963**
2. LOCATION OR PATH (attach map) **Near ATHERLEY.**
FROM 320° **06963 - 01**
3. PATH LENGTH ☒ NOT KNOWN ☐ <1mi; ☐ 1-4mi; ☐ 5-10mi; ☐ 11-50mi; ☐ LENGTH IF >50mi
4. PATH WIDTH **UNKNOWN** 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) Black funnel cloud.**
(7) Whistling,
9. LIST ANY ASSOCIATED PHENOMENA (Such as hail, vivid lightning heavy rain, no rain, etc.) **No rain at time of tornado.**
10. TOTAL DAMAGE ESTIMATE \$ ~~UNKNOWN~~ **AT LEAST \$15,000** 11. TOTAL DEATHS **NONE**
12. TOTAL INJURED **NONE** 13. TOTAL HOMELESS **NONE**
14. LIST ALL REFERENCES
GLOBE & MAIL. MON. AUG. 5 1963.
PHONE CONVERSATION WITH MRS. ARCHIE MACDONALD. (705) 326-2012
LOT 23. CON 13. MARA TOWNSHIP. RR 6 Orillia.
15. SUMMARIZE REMARKS PERTAINING TO (a) FUNNEL; (b) INTERESTING OR CAPRICIOUS EVENTS.
Black funnel came from N.W., apparently from Lake Couchiching. Sky was black, and no rain until after the tornado had struck.

WORKSHEET

IDTO 0696301

L 1750
W 100

① ORIGIN x 17630600
 y 4946000

⑤ Standard Error S_x
C 102

② LIFT-OFF x_1 17633500
 y_1 4944200

⑥ Standard Error S_y
C 102

③ $(x_1 - x) = 2900$

④ $(y - y_1) = 1800$

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 $\rightarrow r, \theta = 3413$

$x \leftrightarrow y = 32^\circ$

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

⑤ + ⑥ $\rightarrow r, \theta = 144$

⑩ $\beta = \frac{\tan^{-1} S_L}{L}$

⑦ + ⑨ $\rightarrow r, \theta$
 $x \leftrightarrow y = 2^\circ$

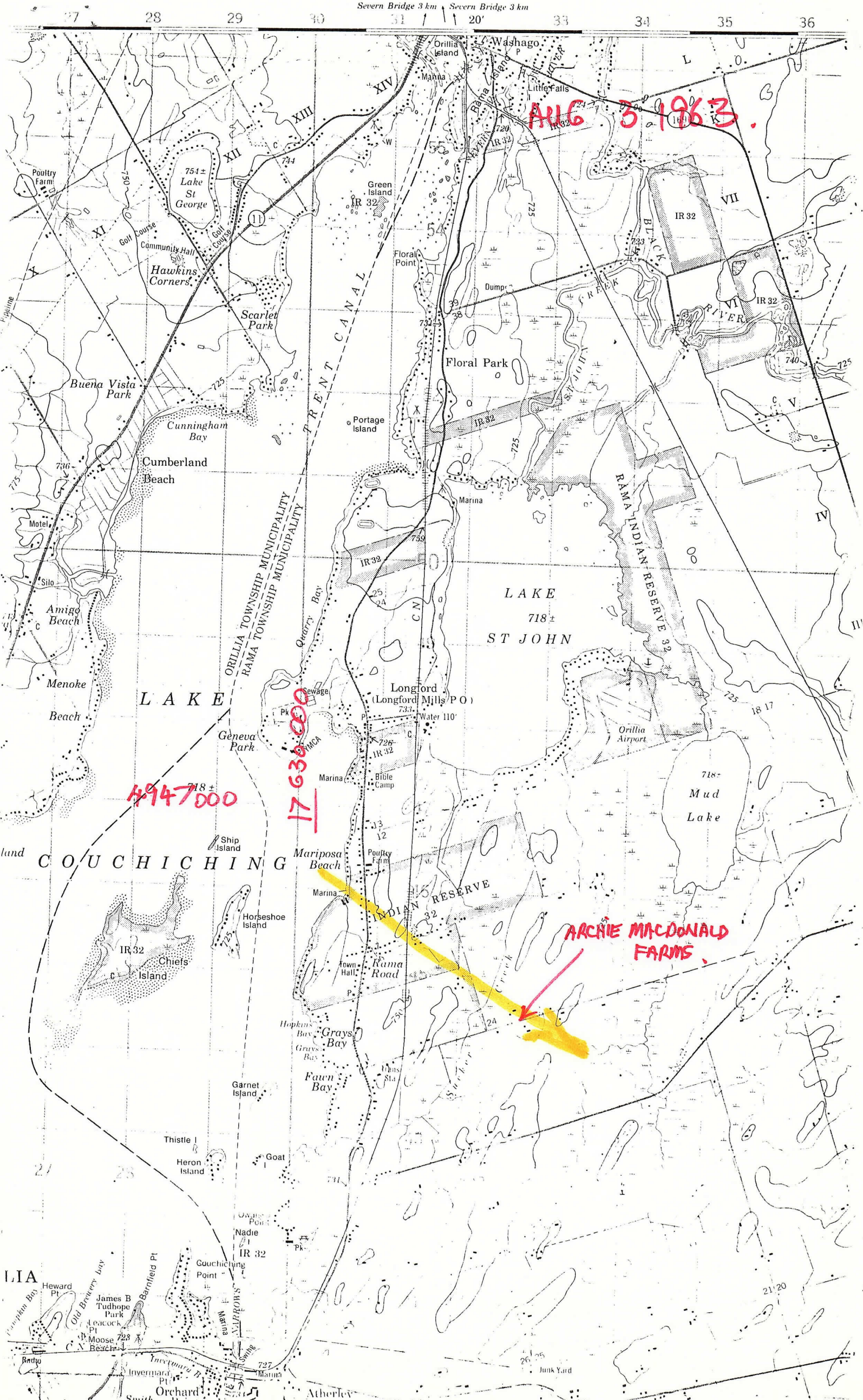
NE Quad $\phi = 90 - \alpha$

NW Quad $\phi = 270 + \alpha$

SW Quad $\phi = 270 - \alpha$

SE Quad $\phi = 90 + \alpha$

⑪ $\phi = 302^\circ$



Phone conversation with Mrs Archie L MacDonald.
LOT 23. CON. 13 MARA TOWNSHIP, regarding the
Tornado of Sat Aug 3 1963. by P.E. Lms.
Oct 1st 1980.

The black funnel cloud was seen to the north west, apparently over Lake Couchiching. It struck the Rama Indian Reserve and did some damage to homes.

A log barn on the MacDonald farm was destroyed and 50 foot logs carried across the townline road, carrying down hydro wires.

A barn across the road, belonging to MacDonald's was also destroyed.

The tornado made a whistling sound, and when debris began striking the house the sound was deafening. The chimney was cracked, and windows broken on the west side. The front door was burst open, although latched at the time.

Boards and debris were carried for $\frac{1}{2}$ a mile. An Elm tree was blown down.

There was no rain when the tornado hit, but heavy rain followed shortly after. The clock was stopped at 5-25pm.

Mrs MacDonald has snapshots of the damage.