

Updated

**Possible Tornado
Arnprior, Ontario
June 30, 1968**

Date- Local: Saturday, June 30th, 1968

UTC: Saturday, June 30th, 1968

Time- Local: 1530

UTC: 1930

Location: SE Arnprior - Vicinity of Russell

Region: Cit of Ottawa

Classification: Possible Tornado

Category: -999

Casualties: 1

Track Length: 79330 m

Width: None available

Motion: 285 degrees

Damage Estimate: None available

F-Scale Rating: F2

Code: BS

Damage Survey: None

Spotter Reports: None

Other Documents:

Numerous newspaper articles, some of which include pictures

Phone interview notes

Maps of approximate tornado track

Newark summary sheet

Tornado F-Scale Assessment

Brad L. Rousseau

Tornado Data Production Assistant, Environment Canada

January 26th, 2011

Classification: Possible Tornado

Date: Saturday, June 30th, 1968

Location: SE Arnprior - Vicinity of Russell, City of Ottawa Region

Assessment: F2

F-Code: BS

Explanation of Assessment: Scores of barns and silos destroyed and reports of several small planes flipped onto their backs.

SJS

PROJECT SUMMARY SHEET
 NEWS PAPER PHOTOCOPY PICTURES
 TORNADO PROJECT SUMMARY SHEET

F=2

ONT

1. DATE AND TIME JUNE 30, 1968 APPROX 1430 EST

2. LOCATION OR PATH (attach map) VCNTY KINBURN - AYLMEER - OTTAWA - VCNTY RUSSELL
 0696815

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 GUSTS TO 85 MPH AT UPLANDS AIRPORT
 (Such as hail, vivid lightning AND 100 MPH AT ROCKCLIFFE
 heavy rain, no rain, etc.)

10. TOTAL DAMAGE ESTIMATE \$ 1/2 MILLION 11. TOTAL DEATHS 1

12. TOTAL INJURED 10 13. TOTAL HOMELESS U

14. LIST ALL REFERENCES
 TRENTON TRENTONIAN JULY 8, 1968
 OTTAWA JOURNAL, JULY 2, 1968
 ARNPRIOR GUIDE, JULY 3, 1968
 ARNPRIOR CHRONICLE JULY 2, 1968
 WINCHESTER PRESS, JULY 4, 1968
 TELEPHONE INTERVIEWS WITH ARTHUR STANLEY (613) 821-2751, GORDON
 BOLAND (613) 821-2423

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

(a) Funnel clouds mentioned in the Trentonian article, but not too specific about where

(b) Funnel clouds mentioned in the Trentonian article, but not too specific about where

and silos
 (b) Scores of barns, blow down like stacks of cards (one a brand new 160x38 ft dairy barn) and debris blown 3/4 mile. Hundreds of trees snapped off and ripped out by the roots. Boats capsized on Chats Lake. Some cattle trapped in one toppled barn and a family trapped in their home near Arnprior. In Aylmer, Que, 3/4 of the streets were blocked by fallen trees, some of which fell on summer homes slicing them in two, and causing damage estimated at \$100,000. Much damage inflicted upon automobiles due to falling trees. 3 small airplanes flipped onto their backs. At the Britannia Yacht Club a 14 ft dinghy was lifted into the air and sailed over a number of parked cars landing about 150 feet away. Some homes in Alexandria were flooded to the first floor level. Just south of Edwards parts of a barn were carried for a mile, while part of the roof carried for 600 feet crashed down on another barn, flattening it. A new cement silo wrecked, and a hay conditioner weighing nearly a ton flipped completely upside down.

WORKSHEET

IDTO 0696815

① ORIGIN x 18400000
 y 5028100

⑤ Standard Error S_x 500 C

② LIFT-OFF x_1 18477000
 y_1 5009000

⑥ Standard Error S_y 2000 C

③ $(x_1 - x) = 77000$

④ $(y - y_1) = 19100$

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 $\rightarrow r, \theta = 79334 \text{ m}$

$x \leftrightarrow y = 14^\circ$

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

⑤ + ⑥ $\rightarrow r, \theta = 2062 \text{ C}$

⑩ $\beta = \frac{\tan^{-1} S_L}{L}$

⑦ + ⑨ $\rightarrow r, \theta$
 $x \leftrightarrow y = 1^\circ$

NE Quad $\phi = 90 - \alpha$

NW Quad $\phi = 270 + \alpha$

SW Quad $\phi = 270 - \alpha$

SE Quad $\phi = 90 + \alpha$

⑪ $\phi = 284^\circ$

Conversation by phone with Mr Thompson Clark
(519). 623-3896, 3rd Con. Fitzroy township by P. Elan.
on Oct 23/80 regarding storm of June 30 1968.

Mr Clark's barn was levelled to the stone
foundation. Half the roof of his house was
removed.

at the Higginson farm, on the next
line to the east, a slab silo was demolished.
One side of the barn was badly damaged,
and part of the roof removed.

Trees were levelled in the bush adjacent
to the farm.

at the nearby Miller farm part of
the barn roof was removed.