

TORNADO PROJECT SUMMARY SHEET

① F=1 ② F=0 ONT

① B
② B

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

2. LOCATION OR PATH (attach map)
 ① VENTY ANTRIM - CARP - SWIRL OTTAWA 0696816
 ② VENT METCALFE. 0696816 0696817

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; ① "a menacing sky, a roaring white fury".

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

10. TOTAL DAMAGE ESTIMATE \$ UNK 11. TOTAL DEATHS NONE

12. TOTAL INJURED SOME CATTLE 13. TOTAL HOMELESS UNK

14. LIST ALL REFERENCES
 ARNPRIOR GUIDE JULY 3, 1968
 ARNPRIOR CHRONICLE JULY 3, 1968
 OTTAWA JOURNAL JULY 2, 1968
 Telephone Interviews Oct 27, 1980 by P.J. Elms.

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

WORKSHEET

IDTO 0696816

① ORIGIN x 18399700
 y 5026900

⑤ Standard Error S_x 500 C

② LIFT-OFF x_1 18438700
 y_1 5024000

⑥ Standard Error S_y 1500 C

③ $(x_1 - x) = 39000$

④ $(y - y_1) = 2900$

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 $\rightarrow r, \theta = 39108 \text{ m}$

$x \leftrightarrow y = 4^\circ$

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

⑤ + ⑥ $\rightarrow r, \theta = 15.81 \text{ m C}$

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 $\phi = 274^\circ$

WORKSHEET

IDTO 0696817

C30

① ORIGIN $x, 18463500$
 $y, 5007300$

⑤ Standard Error S_x

② LIFT-OFF x_1
 y_1

⑥ Standard Error S_y

③ $(x_1 - x) =$

④ $(y - y_1) =$

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 $\rightarrow r, \theta =$

$x \leftrightarrow y =$

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

⑤ + ⑥ $\rightarrow r, \theta =$

⑩ $\beta = \frac{\tan^{-1} S_L}{L}$

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

NE Quad $\phi = 90 - \alpha$

SE quad $\phi = 90 + \alpha$

NW Quad $\phi = 270 + \alpha$

SW Quad $\phi = 270 - \alpha$

⑪ $\phi =$

Conversation by phone with Mr Thompson Clark
(519). 623-3896, 3rd Con Filing township by P. Elmer
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 Higgenson 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.

Conversation by phone with Mr. Eustace Johnston
(613)-839-2972, by P. Elam, on Oct 23/80. (M.P.P. 1968)

Mr. Johnston was in Camp at the time the storm struck. The sky was very menacing and when the wind blew Mr. Johnston pulled over to the side of the road.

The barn buildings were demolished and cost \$27,000 to replace. Mr. Johnston had prudently taken out \$16,000 insurance 10 years before as he had read of hurricanes destroying farm buildings in South western Ontario, and thought that they may occur in his area.

Several injured cattle were sent to the slaughter house.

^{STORM} ① Conversation by phone by P. Elms with
Mr. & Mrs. Arthur Stanley, (613) 821-2751, on
- Oct 24/80.

Mr. & Mrs. Stanley were on holiday at the
time of the storm. They were driving in
Northern Ontario, north of Lake Superior.
* They saw damaged silos about 150 miles
east of Thunder Bay.

Their own silo (see photo) was
50 feet in height, and 24 feet in diameter.
It was levelled to the level of silage
stored in the silo. No other damage
was done on the property.

Mr. Stanley had a 2½ ton flail harvester
or (grain chopper) turned upside down in a
field about 1 mile N.W. of his farm.

At the Varney farm the barn roof was
removed and an end of the barn taken
off.

Mr. Stanley also said that there
was damaged barns and silos in a
line north and south of Brison.

Possibly the paragraph in the Ottawa
Citizen of July 2 1968. referring to a
tornado path at Limoges.

STORM.

STORM (2)

(2) Phone conversation by P. Elum. with Mr Gordon Boland (613) 821-2423, on Oct. 27 1980, regarding storm damage of June 30 1968.

Mr Boland was not home at the time of the storm, but a mother with her children (Mrs Edward Rowan), witnessed the trees crashing down around the house, and was terrified.

Mr Boland said the trees were hard and soft maples and were either snapped off or had their tops removed. One tree just missed the house.

Later, when putting Ray in the barn, it was found that braces had been broken in the roof and the building weakened. The structure has since developed a permanent lean.

An oak tree beside the barn was snapped off.

The farm on the west side of the road from the Boland property, had a tree blown down and the barn damaged.

Mr Boland has photographs of the tree damage and debris around the house.