UPDATED

Possible Tornado
Emsdale, Ontario
June 29, 1978

Date- Local: Thursday, June 29th, 1978
UTC: Thursday, June 29th, 1978
Time- Local: 1500
UTC: 1900
Location: Emsdale
Region: Parry Sound – Muskoka - Huntsville
Classification: Possible Tornado
Category: -999
Casualties: None
Track Length: 16000 m
Width: None available
Motion: 225
Damage Estimate: None available
F-Scale Rating: F1
Code: BS
Damage Survey: None
Spotter Reports: None
Other Documents:
Interview Notes
Map of tornado location and possible track
News paper article
Weather observation chart reporting tornado

Tornado F-Scale Assessment

Brad L. Rousseau
Tornado Data Production Assistant, Environment Canada
January 25th, 2011

Classification: Possible Tornado
Date: Thursday, June 29th, 1978
Location: Emsdale, Parry Sound – Muskoka - Huntsville

Assessment: F1
F-Code: BS
Explanation of Assessment: Barn was destroyed

SJS

B

TORNADO PROJECT SUMMARY SHEET

F=0 ONT

1. DATE AND TIME: THURSDAY 29 JUNE 1978 1600 EDT

2. LOCATION OR PATH (attach map): EMSDALE – KEARNEY (SW-NE) 0978-17

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

4. PATH WIDTH: UP TO 1500 FT

5. TORNADO PART OF SQUALL LINE? ☑ YES; ☐ NO; ☐ UNKNOWN:

6. ANY UNUSUAL COLORATION? ☑ YES; ☐ NO; ☐ UNKNOWN (ASSOCTD WITH ARCTIC FNT)

7. ANY UNUSUAL SOUND? ☐ YES; ☐ NO; ☐ UNKNOWN

8. IF ANSWER TO 6 OR 7 YES, ELABORATE; 6. CLOUD BROWN-RED AND ROLLING

9. LIST ANY ASSOCIATED PHENOMENA (Such as hail, vivid lightning heavy rain, no rain, etc.): Golf ball sized hail in Huntsville

10. TOTAL DAMAGE ESTIMATE $ U

11. TOTAL DEATHS NONE

12. TOTAL INJURED NONE

13. TOTAL HOMELESS NONE

14. LIST ALL REFERENCES

TELEPHONE INTERVIEW, M.J. Newark. July 1978.

CLIMATOLOGICAL STATION REPORT, KATRINE-DOE LAKE, ONT, JUNE 1978 (GEORGE DZIEWURSKI, OBSERVER).

KINGSTON WHIG STANDARD, JUNE 30, 1978

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

(a) no remarks.

(b) Trees (50 or 60 ft spruce) uprooted along a narrow path. Barn destroyed, shingles on the Emsdale Airport roof stripped and planes damaged.


BURTON
CHAPMAN
CROFT
HAGERMAN
EAST BURPEE
PROUDFOOT
ARMOUR
RYERSON
SPENCE
BETHUNE
FERGUSON
McKELLAR
PERRY
McMURRICH
CARLING
McDOUGALL
MONTEITH
LAKE OF BAYS
KILLBEAR PROV. PARK
Parry Sound
CHRISTIE
ARROWHEAD PROV. PARK
OASTLER LAKE PROV. PARK
PARRY ISLAND
I.R.16
HUNTSVILLE
FOLEY
HUMPHREY
MUSKOKA LAKES
COWPER
CONGER
MUSKOKA
BRACEBRIDGE
GEORGIAN BAY
GRAVENHURST
MATCHEDASH
DALTON
MIDLAND
Penetanguishene
ORILLIA
RAMA
TINY
TAY
MEDONTE
CARDEN
ORILLIA
SIMCOE
FLOS
ORO
MARA
Collingwood
WASAGA BEACH PROV. PARK
SPRINGWATER PROV. PARK
VESPRA
BARRIE
THORAH
NOTTAWASAGA
SUNNIDALE
Stayner
Beaverton
Georgina Island
Georgina I.
SIBBALD POINT PROV. PARK
GEORGINA
BROCK
ESSA
INNISFIL
TOSORONTIO
Alliston
Cannington
Sunderland
MULMUR
EARL ROWE PROV. PARK
E. GWILLIMBURY
SCOTT
WEST GWILLIMBURY
Lake Simcoe
Lake Muskoka
Lake of Bays
Georgian Bay
Ontario Hospital
Bracebridge
Gravenhurst
Orillia
Barrie
Alliston
Penetanguishene
Midland
Collingwood
Stayner
Beaverton
Cannington
Sunderland
Parry Sound
Huntsville
Bracebridge
Gravenhurst
Orillia
Barrie
Alliston
Penetanguishene
Midland
Collingwood
Stayner
Beaverton
Cannington
Sunderland

and Environment Canada / et Environnement Canada

Atmospheric Environment / Environnement atmosphérique

CLIMATOLOGICAL STATION REPORT

(705) 636-5355

STATION KATRINE A DOE LAKE ~~FEMSDY~~

Time of observation 800 a.m. 1800 p.m.

T P 14154-3D

PROVINCE ONTARIO

Observer GEORGE DZIEWURSKI

MONTH JUNE/78 19

DAY OF MONTH	TIME OF OBSERVATION	TEMPERATURE (°C) Maximum Observed	Maximum For Day	Minimum Observed	Minimum For Day	Minimum AFTER RESET	PRECIPITATION Rain Measured mm	Rain For Day mm	Snow Measured cm	Snow For Day cm	Total For Day mm	TIMES OF PRECIPITATION (Calendar Day) Began	Ended	Depth of Snow on Ground whole cm	Weather (Calendar Day) Thunderstorm	Freezing Rain	Hail	REMARKS
1	a.m.																	
[1]	p.m.							7.8			7.8	2100						OVC COOL SHOWER
2	a.m.						7.8								1			THUNDERST. & NIGH
	p.m.																	OVC SCT
3	a.m.																	CLR
	p.m.																	
4	a.m.																	SCT OVC
	p.m.							9.4			9.4	1830						RAIN ALL NIGHT
5	a.m.						9.4											OVC BKN SCT C
[2]	p.m.																	
6	a.m.																	CLR
	p.m.																	
7	a.m.																	HAZY
	p.m.							9.4			9.4							
8	a.m.						9.4											RAIN & NIGHT OVC
	p.m.																	
9	a.m.																	CLR OVC SHOWE
[3]	p.m.						2.2	2.2			2.2	1230	1600					CLR AGAIN @ 1800
10	a.m.																	CLR
	p.m.																	
11	a.m.																	CLR
	p.m.																	
12	a.m.																	OVC RAIN
	p.m.						10.0	13.4			13.4	830	1400					
13	a.m.						3.4											RAIN & NIGHT OVC BKN CLR
[4]	p.m.																	
14	a.m.																	CLR
	p.m.																	
15	a.m.																	OVC RAIN
	p.m.							4.4			0.3	2100	2330					
16	a.m.						4.4											OVC
	p.m.																	
17	a.m.																	HAZY, SHOWERS
[5]	p.m.						1.0	3.2			3.2	1400	2400					
18	a.m.						2.2											THUNDERST. & NIGHT
	p.m.						4.4	4.4			4.4	630	1400		1			SHOWERS, BKN
19	a.m.																	
	p.m.																	CLR
20	a.m.																	
	p.m.																	CLR
21	a.m.																	
[6]	p.m.						2.2	2.2			2.2	1300	1700					OVC, SHOWERS CLR @ 1900
22	a.m.																	
	p.m.																	CLR
23	a.m.																	
	p.m.																	CLR
24	a.m.																	
	p.m.																	CLR
25	a.m.																	
[7]	p.m.						1.2	1.6			1.6	1330	1930					OVC, SHOWERS HAZY
26	a.m.						.4											
	p.m.						1.6	1.6			1.6	700	1600					SHOWERS
27	a.m.																	
	p.m.						41.8	41.8			41.8				1			THUNDERSTORM DOWNPOUR
28	a.m.																	
	p.m.																	SCT CLR
29	a.m.																	
	p.m.						3.0	3.0			3.2	1600	1700					CLR, ROLLING CLOUDS TORNADO @ AIRPORT
30	a.m.																	
	p.m.																	SCT
31	a.m.													0				
	p.m.																	
	a.m.																	
SUMS								105.2			105.2	Total no. of days with			3			
MEANS																		

TEMPERATUR

TEMPERATURE EXTREMES

Mean Max. .....

Maximum. ..... Date. ..... Mean Min .....

Minimum. ..... Date. ..... Mean. .....

n/c

00 0063-2304

1600 EDT.

Path of trees about 50 - 100 ft
Emsdale } Planes damaged, shingles on airport roof stripped
airport. } barn destroyed.

So - Ho - Mish →
- ~~Sawhonish~~ road, ~~farm~~
40 - 50 ft tall spruce trees uprooted

- Cloud brown - red at times, and rolling.
Came from SW

- trees uprooted near Kearney
Huntsville - Golf Ball size hail.

try following newspapers.
Forester, Huntsville,
Almaguin News (Parry Sound)

Telephone Interviews Concerning the Tornadoes of Tuesday June 27, 1978.
by M.J. Newark, Friday May 2, 1980.

(1) Interview with Mrs Robert Wilson, Vankleek Hill, Ont. (613) 678-2644

Robert Wilson had two farm properties badly damaged at about 1730-1800 EDT. One was located on the Ridge road in Conc 3 of Caledonia Tp and the other where Ridge Road joins the boundary road between Caledonia Tp and West Hawkesbury Tp. Pictures of the damage are contained in the Vankleek Hill Review. Neighbours, G Pilon and G Macl along the Ridge Road in Conc 2 also suffered severe damage.

(2) Interview with Mrs Gertrude Levac, Caledonia Tp Clerk. (613) 524-5206

Mrs Levac was able to sketch in the areas of the Township which suffered property damage. From her information, the tornado in this township appeared to skip along a path about 14 km in length, oriented from SW to NE (see attached map) from just south of St-Bernardin to the vicinity of McAlpine.

(3) Interview with Noel Bicaire, North Plantagenet Tp Clerk (613) 673-4797
Mr Bicaire confirmed that no property damage occurred in this township although there was heavy crop damage due to hail near Wendover. He mentioned barn damage in Clarence Tp where the road from Curran to Bourget meets the County line.

(4) Interview with Richard Lalonde, Clarence Tp Clerk
(613) 488-2570