

UPDATED

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**Possible Tornado  
Emsdale, Ontario  
June 29, 1978**

**Date- Local:** Thursday, June 29<sup>th</sup>, 1978

**UTC:** Thursday, June 29<sup>th</sup>, 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

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## **Tornado F-Scale Assessment**

Brad L. Rousseau

Tornado Data Production Assistant, Environment Canada

January 25<sup>th</sup>, 2011

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**Classification:** Possible Tornado

**Date:** Thursday, June 29<sup>th</sup>, 1978

**Location:** Emsdale, Parry Sound – Muskoka - Huntsville

**Assessment:** F1

**F-Code:** BS

**Explanation of Assessment:** Barn was destroyed

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*SJS*

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 ☐ <1mi; ☐ 1-4mi; ☒ 5-10mi; ☐ 11-50mi; ☐ LENGTH IF >50mi
4. PATH WIDTH UP TO 150 FT 5. TORNADO PART OF SQUALL LINE? ☒ YES; ☐ NO; ☐ UNKNOWN: (AFFECTED WITH ARCTIC FRONT)
6. ANY UNUSUAL COLORATION? ☒ YES; ☐ NO; ☐ UNKNOWN
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 \$ 0 11. TOTAL DEATHS NONE
12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE
14. LIST ALL REFERENCES  
TELEPHONE INTERVIEW, M.S. Newark, July 1978.  
CLIMATOLOGICAL STATION REPORT, KATRINE-DOE LAKE, ONT, JUNE 1978 (GEORGE DZIEWURSKI, OBSERVER).  
KINGSTON WHIS 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.







CLIMATOLOGICAL STATION  
(705) 636-5355

KATRINE  
STATION 1 DOE LAKE (EMSD)

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

T	
P	X

PROVINCE ONTARIO

Observer GEORGE DZIEWURSKI

30 MONTH JUNE/78 19

DAY OF MONTH	TIME OF OBSERVATION	TEMPERATURE (°C)					PRECIPITATION					TIMES OF PRECIPITATION (Calendar Day)		Depth of Snow on Ground whole cm	Weather (Calendar Day)			REMARKS
		Maximum		Minimum			Rain		Snow		Total For Day	Began	Ended		Thunderstorm	Freezing Rain	Hail	
		Observed	For Day	Observed	For Day	AFTER RESET	Measured mm	For Day mm	Measured cm	For Day cm								
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
1	a.m.																OVC COOL SHOWER	
	p.m.						7.8			7.8	2100							
2	a.m.						7.2								1		THUNDERST. @ NIGHT OVC SCT	
	p.m.																	
3	a.m.																CLR	
	p.m.																	
4	a.m.																SCT OVC RAIN ALL NIGHT	
	p.m.						9.4	4.4		9.4	1830						OVC BKN SCT CLR	
5	a.m.																CLR	
	p.m.																	
6	a.m.																HAZY	
	p.m.																RAIN @ NIGHT OVC	
7	a.m.						9.4	4.4		9.4							CLR OVC SHOWER CLR AGAIN @ 1800	
	p.m.						2.2	2.2		2.2	1230	1600						
8	a.m.																CLR	
	p.m.																	
9	a.m.																CLR	
	p.m.																	
10	a.m.																OVC RAIN	
	p.m.						10.0	13.4		12.4	830	1400					RAIN @ NIGHT OVC BKN CLR	
11	a.m.						3.4										CLR	
	p.m.																	
12	a.m.																OVC RAIN	
	p.m.																	
13	a.m.																HAZY, SHOWERS	
	p.m.																	
14	a.m.																THUNDERST. @ NIGHT SHOWERS, BKN	
	p.m.						4.4	4.4		4.4	630	1400		1			CLR	
15	a.m.																CLR	
	p.m.																	
16	a.m.																OVC, SHOWERS CLR @ 1900	
	p.m.						2.2	2.2		2.2	1300	1700					CLR	
17	a.m.																CLR	
	p.m.																	
18	a.m.																CLR	
	p.m.																	
19	a.m.																OVC, SHOWERS HAZY	
	p.m.																SHOWERS	
20	a.m.																THUNDERSTORM DOWNPOUR	
	p.m.						4.8	4.8		4.8				1				

1600 EDT.

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

So - Ho - Mish

— ~~Southworth~~ road, farm

40 - 50 ft tall spruce trees uprooted

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

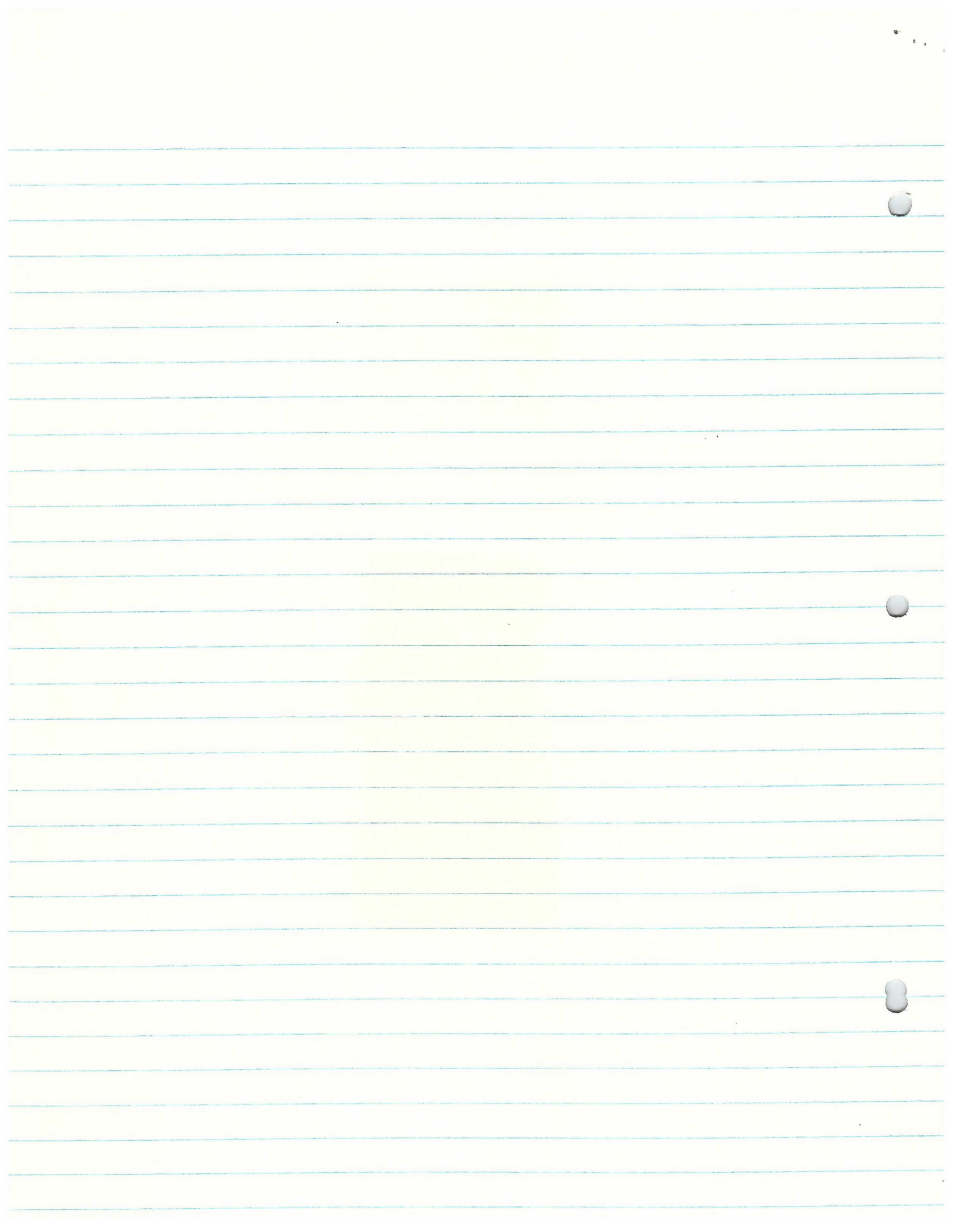
— trees uprooted near Kearney.

Huntsville - Golf Ball size Rail.

try following newspapers.

Forester, Huntsville,

Almaguin News (Parry Sound)



Telephone Interviews Concerning the Tornadoes of  
Tuesday June 27, 1978.  
by M.S. 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 Hantsburg Tp. Pictures of this damage are contained in the Vankleek Hill Review. Neighbours, G Pilon and G Mac along the Ridge Road in Conc 2 also suffered severe damage.

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

Mrs Lewac 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 his township although there was heavy crop damage due to hail near Wendou. He mentioned barn damage in Clarence Tp where the road from Curran to Bowgot meets the County line.



④

Interview with Richard Lalonde, Clarence T. Clark  
(613) 488-2570