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**Confirmed Tornado  
Cobden, Ontario  
May 22, 1984**

**Date- Local:** Tuesday, May 22<sup>nd</sup>, 1984.

**UTC:** Tuesday, May 22<sup>nd</sup>, 1984.

**Time-Local:** 18:30

**UTC:** 22:30

**Location:** Vicinity of Cobden

**Region:** Renfrew – Pembroke – Barry's Bay

**Classification:** Confirmed Tornado

**Category:** G

**Casualties:** None

**Track Length:** None Available

**Width:** None Available

**Motion:** None Available

**Damage Estimate:** None available

**F-Scale Rating:** F0

**Code:** BS/TS

**Damage Survey:** None

**Spotter Reports:** None

**Other Documents:**

Logged event citing a report of a tornado.

Newspaper article detailing damage and 2 eyewitness reports.

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## **Tornado F-Scale Assessment**

Marci Vanhoucke

Tornado Data Production Assistant, Environment Canada

July 27, 2005.

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**Classification:** Confirmed Tornado

**Date:** Tuesday, May 22<sup>nd</sup>, 1984.

**Location:** Vicinity of Cobden, Renfrew – Pembroke – Barry's Bay

**Assessment:** F0

**F-Code:** BS/TS

**Explanation of Assessment:** There is a newspaper article detailing two eyewitness reports of a tornado touching down uprooting trees and removing a large portion of roof from a barn. Due to the damage stated, this tornado is rated an F0.

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**CLASSIFICATION:** Severe Thunderstorm**SOURCE/WATCHER ID:****EVENT TIME (UTC):** 22-30 **EVENT DAY:** 22.0 **MONTH:** 5.0 **YEAR:** 1984.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0**DAY OF THE WEEK:****EVENT LOCALE:** Vicinity of Cobden**ASOCTD PUBLIC RGN:** Renfrew**DETAILED DESCRIPTION:**

tornado

**INITIAL ASSESSMENT:** YES**SPL WX STATEMENT IN EFFECT ?:** UKN **STATEMENT LEAD TIME (HR):** (MIN):**WATCH IN EFFECT ?:** UKN **WATCH LEAD TIME (HR):** (MIN):**WARNING IN EFFECT ?:** UKN **WARNING LEAD TIME (HR):** (MIN):**TORNADO:****WINDSPEED:****RAINFALL:** MM **RAIN DURATION:****HAIL DIAMETER:** MM **HAIL DESCRIPTION:****EVENT DESCRIPTION:** Tornado**Mesoscale ?:** **Synoptic ?:** **Big Event ?:****Statement Est Hit/Miss:****Watch Est Hit/Miss:****Warning Est Hit/Miss:****Separate Event (30km/30min):** YES**Vetted by:****Vetted date:**

PO-F1

TORNADO PROJECT SUMMARY SHEET

1.	DATE AND TIME	May 22, 1984			1830 EDT	
2.	LOCATION OR PATH (attach map)	in the vicinity of Cobden, Ont.				
3.	PATH LENGTH	<input type="checkbox"/> NOT KNOWN	<input type="checkbox"/> <1mi;	<input type="checkbox"/> 1-4mi;	<input type="checkbox"/> 5-10mi;	<input type="checkbox"/> 11-50mi; <input type="checkbox"/> LENGTH IF >50mi
4.	PATH WIDTH	<input type="text"/>	5. TORNADO PART OF SQUALL LINE? <input type="checkbox"/> YES; <input type="checkbox"/> NO; <input type="checkbox"/> UNKNOWN:			
6.	ANY UNUSUAL COLORATION?	<input type="checkbox"/> YES;	<input type="checkbox"/> NO;	<input type="checkbox"/> UNKNOWN		
7.	ANY UNUSUAL SOUND?	<input type="checkbox"/> YES;	<input type="checkbox"/> NO;	<input type="checkbox"/> UNKNOWN		
8.	IF ANSWER TO 6 OR 7 YES, ELABORATE;					
9.	LIST ANY ASSOCIATED PHENOMENA <u>rain</u> (Such as hail, vivid lightning heavy rain, no rain, etc.)					
10.	TOTAL DAMAGE ESTIMATE	\$	11. TOTAL DEATHS			
12.	TOTAL INJURED		13. TOTAL HOMELESS			
14.	LIST ALL REFERENCES					
15.	SUMMARIZE REMARKS PERTAINING TO (a) FUNNEL; (b) INTERESTING OR CAPRICIOUS EVENTS.					
<p>T.D. 18 354 425</p> <p>50 61375</p>						

STORM DATE : TUESDAY MAY 22, 1984 1830 EDT

## SMI SSE OF YUWA Tornado

By Marilyn Labow

A tornado carved a path of destruction in Ross township last week. A black, funnel-shaped cloud touched down in a number of places, taking the roof off a barn and uprooting trees.

The tornado occurred during the rain and thunder storm on Tuesday, May 22 at about 6:30 p.m.

Edsel Johnson of the Zion Line was sitting in a truck at a neighbouring farm when he saw what looked like a cloud of smoke. He said it was whirling and was about the size of a house in width.

Mr. Johnson said that the twister touched down in a field, picking up some grass before proceeding through some trees and heading southwest.

The twister then touched down on a barn owned by Allan James (the residence of George Leach), removing a large portion of the roof and depositing it on top of a feeder wagon, located beside the barn. No animals were injured in the incident.

Mr. James said that he was in the field when he saw the "big black cloud" but he didn't know what it was. He stated that the cloud was

"moving right along".

A number of trees were also uprooted on the James' property.

Damage from the tornado was also evident in the area surrounding Ottawa River Whitewater Rafting on County Road 43. A number of trees were uprooted in that area.

Mr. Johnson, who watched the progress of the tornado, said it widened out around the farm owned by Mervin Black of Foresters Falls and then it "exploded".

Master Warrant Officer Cunningham of the weather office at CFB

Petawawa said Friday that their instruments did not indicate a tornado was in the area.

He said that on May 22 in the Petawawa area thunder storm activity started at 5:04 with strong winds gusting up to 41 kilometres per hour. At about 8 p.m. some pea-sized hail stones were reported. MWO Cunningham added that the thunderstorm activity ended about 10 p.m. though the rain storm continued.

MWO Cunningham said that if he had known about the tornado he would have put out a warning to other

areas.

Last week's storm also raised some concern about acid rain levels. Local residents noticed yellow-stained puddles after the rain storm and when the water evaporated yellow stains marked the outline of the puddles.

Don Wildsmith of the research and development department at Atomic Energy of Canada Limited in Chalk

River said that the acidity level recorded on the instruments at the plant was 4.37 pH on that day. Mr. Wildsmith said that in an average rainfall the acidity (pH) level is 4.4.

He added that the rainfall on Tuesday was not "unusually acidic".

Mr. Wildsmith said 31 millimetres (1.2 inches) of rain fell on that day. He added that in this area there is only three to five times a year when the rainfall exceeds one inch.

Mr. Wildsmith said he suspected the yellow stains were from pollen in the air on that day.

This is the second time in over 20 years that the Zion Line area in Ross township has experienced a tornado. Mr. Johnson said that his property was damaged in a tornado which touched down in the early 1960s.

