
**Confirmed Tornado
Kasshabog Lake, Ontario
May 31, 2002**

Date- Local: Sunday, July 28th, 2002

UTC: Sunday, July 28th, 2002

Time- Local: 1630

UTC: 2030

Location: Kasshabog Lake

Region: Peterborough-Kawartha Lakes

Classification: Confirmed Tornado

Category: B

Casualties: None

Track Length: 3 500 m

Width: 50 m

Motion: None available

Damage Estimate: None available

F-Scale Rating: F0

Code: TS

Damage Survey: Aerial Survey revealed track

Spotter Reports: Two

Other Documents:

Photograph s- two of the tornado, one of the storm

Newspaper Article

sjs

Meteorological Service of Canada
4905 Dufferin Street, #617P
Downsview, Ontario M3H 5T4
CANADA

Tornado F-Scale Assessment

Sarah J. Scriver

Tornado Data Production Assistant, Environment Canada

July 9th, 2004

Classification: Confirmed Tornado

Date: Sunday, July 28th, 2002

Location: Kasshabog Lake, Peterborough-Kawartha Lakes Region

Assessment: F0

F-Code: TS

Explanation of Assessment: Trees downed forming track.

SJS

Meteorological Service of Canada
4905 Dufferin Street, ARMP
Downsview, Ontario M3H 5T7
CANADA

Kasshabog Lake tornado – 28 July 2002

Photographs of tornado courtesy of David Shantz.





Photographer unknown

Photo + Kaworthoes
(Kasshabog Lake)

Spotter Reports, July 28, 2002

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** The Sudbury Star **EVENT TIME (UTC):** 10-20 **EVENT DAY:** 28.0 **MONTH:** 7.0 **YEAR:** 2002.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** Halfway lake Provincial park on highway 144 **ASOCTD PUBLIC RGN:** Sudbury-Nickel Belt **DETAILED DESCRIPTION:** "-fierce wind ripped through halfway park -massive storm dammage has temporarily shut down halfway lake CONFIRMED F2 MICROBURST" **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:** NO **WINDSPEED:** **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** MM **HAIL DESCRIPTION:** None **EVENT DESCRIPTION:** Wind/Rain **Mesoscale ?:** YES **Synoptic ?:** NO **Big Event ?:** YES **Statement Est Hit/Miss:** UKN **Watch Est Hit/Miss:** UKN **Warning Est Hit/Miss:** UKN **Separate Event (30km/30min):** UKN **Vetted by:** RUDDICK **Vetted date:** 02/02/03

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** Canadian Press (News Clipping) **EVENT TIME (UTC):** 10-20 **EVENT DAY:** 28.0 **MONTH:** 7.0 **YEAR:** 2002.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 6.0 **DAY OF THE WEEK:** **EVENT LOCALE:** Halfway Lake Provincial Park **ASOCTD PUBLIC RGN:** Sudbury-Nickel Belt **DETAILED DESCRIPTION:** "- 800 visitors camping at the park when trailers were split in half by tree trunks, with six injured people suffering broken bones or cuts (all treated and released) - it was evacuated and will not re-open before the end of the summer - reported tornado C" **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:** NO **WINDSPEED:** **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** MM **HAIL DESCRIPTION:** None **EVENT DESCRIPTION:** Wind **Mesoscale ?:** YES **Synoptic ?:** NO **Big Event ?:** YES **Statement Est Hit/Miss:** UKN **Watch Est Hit/Miss:** UKN **Warning Est Hit/Miss:** UKN **Separate Event (30km/30min):** UKN **Vetted by:** RUDDICK **Vetted date:** 02/02/03

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** The Sudbury Star **EVENT TIME (UTC):** 10-20 **EVENT DAY:** 28.0 **MONTH:** 7.0 **YEAR:** 2002.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** Halfway Lake Provincial Park **ASOCTD PUBLIC RGN:** Sudbury-Nickel Belt **DETAILED DESCRIPTION:** "- black spruce trees split trailers and cars covered in falled boughs - campers claim it was CONFIRMED F2 MICROBURST " **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:** POSSIBLE **WINDSPEED:** **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** MM **HAIL DESCRIPTION:** None **EVENT DESCRIPTION:** Wind **Mesoscale ?:** YES **Synoptic ?:** NO **Big Event ?:** YES **Statement Est Hit/Miss:** UKN **Watch Est Hit/Miss:** UKN **Warning Est Hit/Miss:** UKN **Separate Event (30km/30min):** UKN **Vetted by:** RUDDICK **Vetted date:** 02/02/03

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** SUDBURY OPP **EVENT TIME (UTC):** 14-20 **EVENT DAY:** 28.0 **MONTH:** 7.0 **YEAR:** 2002.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** HALFWAY PROVINCIAL PARK **ASOCTD PUBLIC RGN:** Sudbury-Nickel Belt **DETAILED DESCRIPTION:** "REPORT OF TORNADO NW OF SUDBURY. TREES DOWN, SNAPPED/UPROOTED, RANDOMLY FALLEN. 4 PEOPLE INJURED. NO WITNESS OF FUNNEL CLOUD. EVENT BEGAN B/W 10-11AM. INVESTIGATING- UPDATES WILL FOLLOW IN MORE DETAIL. CONFIRMED F2 MICROBURST" **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:** POSSIBLE **WINDSPEED:** **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** MM **HAIL DESCRIPTION:** None **EVENT DESCRIPTION:** Wind **Mesoscale ?:** YES **Synoptic ?:** NO **Big Event ?:** YES **Statement Est Hit/Miss:**

UKN Watch Est Hit/Miss: UKN Warning Est Hit/Miss: UKN Separate Event (30km/30min): UKN Vetted by: RUDDICK Vetted date: 02/02/03

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** The Review- Vankleek Hill (News Clipping) **EVENT TIME (UTC):** 16-40 **EVENT DAY:** 28.0 **MONTH:** 7.0 **YEAR:** 2002.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** Vankleek Hill **ASOCTD PUBLIC RGN:** Cornwall **DETAILED DESCRIPTION:** "UNCONFIRMED F0 TORNADO States tornado touched down on Kilmer Road, uprooting trees and ripping tin off some buildings. 250ft wide path cleared in wooded area. Wheel witnessed being carried away 10 feet." **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:** POSSIBLE **WINDSPEED:** **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** MM **HAIL DESCRIPTION:** None **EVENT DESCRIPTION:** Tornado **Mesoscale ?:** YES **Synoptic ?:** NO **Big Event ?:** YES **Statement Est Hit/Miss:** UKN **Watch Est Hit/Miss:** UKN **Warning Est Hit/Miss:** UKN **Separate Event (30km/30min):** UKN **Vetted by:** RUDDICK **Vetted date:** 02/02/03

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** Observer- Sarnia (News Clipping) **EVENT TIME (UTC):** 18-20 **EVENT DAY:** 28.0 **MONTH:** 7.0 **YEAR:** 2002.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** Sarnia **ASOCTD PUBLIC RGN:** Sarnia-Lambton **DETAILED DESCRIPTION:** "Trees and branches blown down along river. Power outages, lawn furniture blown over. 1.5 inches of rain reported. Duration unknown." **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:** NO **WINDSPEED:** **RAINFALL:** 1.5 INCH **RAIN DURATION:** **HAIL DIAMETER:** MM **HAIL DESCRIPTION:** None **EVENT DESCRIPTION:** Wind/Rain **Mesoscale ?:** YES **Synoptic ?:** NO **Big Event ?:** YES **Statement Est Hit/Miss:** UKN **Watch Est Hit/Miss:** UKN **Warning Est Hit/Miss:** UKN **Separate Event (30km/30min):** UKN **Vetted by:** RUDDICK **Vetted date:** 02/02/03

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** Clint Nickle (23 yrs old) **EVENT TIME (UTC):** 20-30 **EVENT DAY:** 28.0 **MONTH:** 7.0 **YEAR:** 2002.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** Kosh Lake (prev known as Kasshabog Lake) **ASOCTD PUBLIC RGN:** Peterborough and the Kawarthas **DETAILED DESCRIPTION:** "Tornado sighting...he saw trees and branches swirling about 100 yards away. Tornado looked like it was about 50 yards wide. Clint said that he heard a loud noise...very strong winds. It wa" **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:** F1 **WINDSPEED:** **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** MM **HAIL DESCRIPTION:** None **EVENT DESCRIPTION:** Tornado **Mesoscale ?:** YES **Synoptic ?:** NO **Big Event ?:** YES **Statement Est Hit/Miss:** UKN **Watch Est Hit/Miss:** UKN **Warning Est Hit/Miss:** UKN **Separate Event (30km/30min):** UKN **Vetted by:** RUDDICK **Vetted date:** 02/02/03

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** The Examiner (News Clipping) **EVENT TIME (UTC):** 20-30 **EVENT DAY:** 28.0 **MONTH:** 7.0 **YEAR:** 2002.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 7.0 **DAY OF THE WEEK:** **EVENT LOCALE:** Kasshabog Lake **ASOCTD PUBLIC RGN:** Peterborough and the Kawarthas **DETAILED DESCRIPTION:** "CONFIRMED F1 TORNADO (AERIAL SURVEY CONFIRMED VERY BRIEF TOUCHDOWN) - noise like a freight train - debris in the air - visual confirmation of a torando - cut a swath about 500 ft on the ground - some roof damage and trailer was demolished - moved over w" **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:** NO **WINDSPEED:** **RAINFALL:** MM **RAIN**

FACSIMILE TRANSMISSION PAGE

Date: August 26, 2003

TO: Name: D. Sills
Company: Environment Canada
City:
Fax No:

RE: Tornado at Kasshabog (Kosh) Lake July 2002

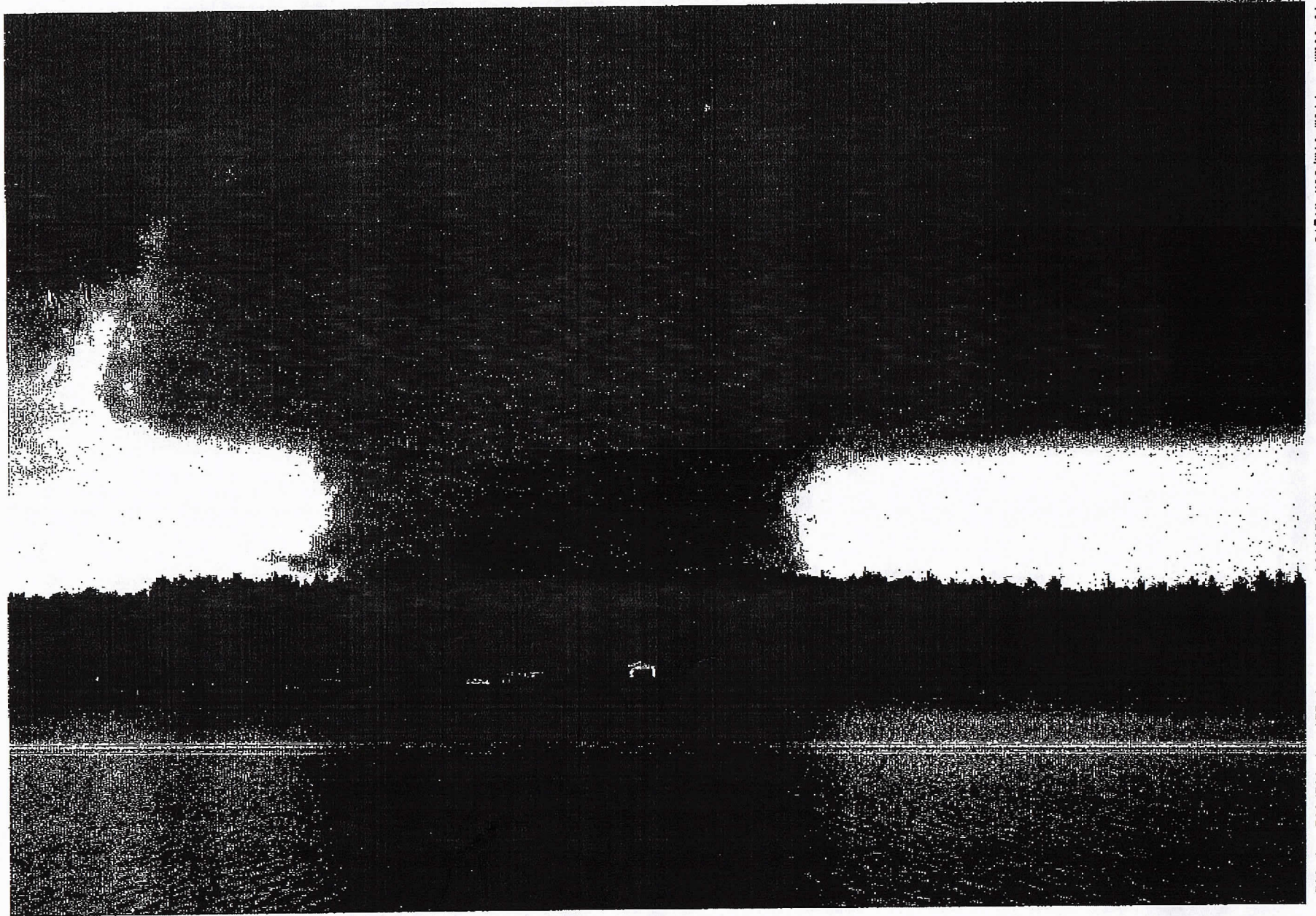
FROM: C. Langlotz

The number of pages being transmitted (including this page) is:

2

MESSAGE: here is the picture of the tornado taken by another cottager that was sent to me. We lost a lot of trees including an oak down on our cottage; knocked our bunkie off of its footings. Still a lot of downed trees etc that has left a real mess. The hydro guys did a lot of work to clear the laneway for vehicle access.

KOSH LAKE TORNADO JUL 28 2002
via Chris Langlotz 405-639-8274



Aug-26-03

10:30am

From-Simpson W, G | e

9056283004

T-221

P.002/002

F-892

as shown

copy of photo
e-mailed to me
by Anne & Heather
(Michael Rosen)

Kasskoby Lake

July 28/02 approx 5pm.





B. Chris Langlotz, B.Admin., M.B.A., LL.B

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