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**Probable Tornado  
Sault Ste Marie, Ontario  
August 1, 1993**

**Date- Local:** Sunday, August 1<sup>st</sup>, 1993

**UTC:** Sunday, August 1<sup>st</sup>, 1993

**Time- Local:** 1915

**UTC:** 2315

**Location:** Sault Ste. Marie

**Region:** Sault-Ste Marie-Superior East

**Classification:** Probable Tornado

**Category:** B -1; unclear photograph

**Casualties:** None

**Track Length:** None available

**Width:** None available

**Motion:** None available

**Damage Estimate:** None available

**F-Scale Rating:** F0

**Code:** NI

**Damage Survey:** None

**Spotter Reports:** One

**Other Documents:**

Three Photographs, by Peter Robb of Sault Ste. Marie

Description of photographs by Andrea Sale, Sault Ste. Marie weather office

Map of Sault Ste. Marie showing location of photographer in relation to  
tornado/funnels

Newspaper Article

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*sjs*

Meteorological Service of Canada  
4905 Dufferin Street, ARMP  
Downsview, Ontario M3H 5T4  
**CANADA**

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**Confirmed Tornado  
Sault Ste Marie, Ontario  
August 1, 1993**

**Date:** Sunday, August 1<sup>st</sup>, 1993

**Time:** 2315 UTC

**Location:** Sault Ste. Marie

**Casualties:** None

**Damage Estimate:** None

**Classification:** Confirmed Tornado

**Category:** B

**Damage Survey:** None

**Spotter Reports:** One

**Other Documents:**

Three Photographs, by Peter Robb of Sault Ste. Marie

Description of photographs by Andrea Sale, Sault Ste. Marie weather office

Map of Sault Ste. Marie showing location of photographer in relation to  
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**CANADA**

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## **Tornado F-Scale Assessment**

Sarah J. Sriver

Tornado Data Production Assistant, Environment Canada

September 30<sup>th</sup>, 2003

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**Classification:** Confirmed Tornado

**Date:** Sunday, August 1<sup>st</sup>, 1993

**Location:** Sault Ste Marie, Ontario

**Assessment:** F0

**Explanation of Assessment:** No damage detected.

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**Spotter Reports, August 1, 1993**

**CLASSIFICATION:** Severe Thunderstorm **SOURCE/WATCHER ID:** EVENT TIME (UTC): 23-15 **EVENT DAY:** 1.0 **MONTH:** 8.0 **YEAR:** 1993.0 **EVENT DURATION (HR):** 0.0 (MIN): 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** ASOCTD **PUBLIC RGN:** Sault Ste Marie-Algoma **DETAILED DESCRIPTION:** "Photos of a multiple vortice tornado; no damage detected - photo looks like it was touching down." **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:** YES **F?** **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:**

Andrea Sale,  
Sault Ste. Marie Weather Office,  
RR # 1,  
Sault Ste. Marie, Ont.  
P6A 5K6

September 2, 1993

Mike Leduc,  
Severe Weather Forecaster,  
Ontario Weather Centre,  
Pearson International Airport,  
PO Box 159,  
Toronto AMF, Ontario.

Re: Funnel Clouds, Aug. 1st, YAM

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Dear Mike:

I finally got the pictures back from the developers.

There appears to be 2 separate funnels. I've numbered the pictures on the back in the time sequence they were taken, according to the photographer, Peter Robb. The first picture shows a clearly defined funnel on the left with some scud near the clothesline pole on the right. In the second picture the first funnel has dissipated and the scud seems to be starting a cyclonic rotation. In the third and clearest picture the second funnel is well formed on the right with the debris of the first funnel in the distance on the left.

Although the clouds don't look particularly ominous, it is hard to tell..these are copies made from a negative made from a print. At the time we had no visual on our radar, so in fact TWO was telling us what was on your drop. The tops were above 12 K so it is reasonable to assume these are severe weather funnels. A watch was in effect at the time the photos were taken, but Mr. Robb didn't notify us of the funnels so no warning.

I'm also including a map show the estimated position of the funnels. Mr. Robb said they appeared to be north of a filtration plant located on Second Line West. Based on his location the funnels appeared to be about 4 KM north of Second Line - in a bush area. I checked with the OPP and there were no reports of damage.

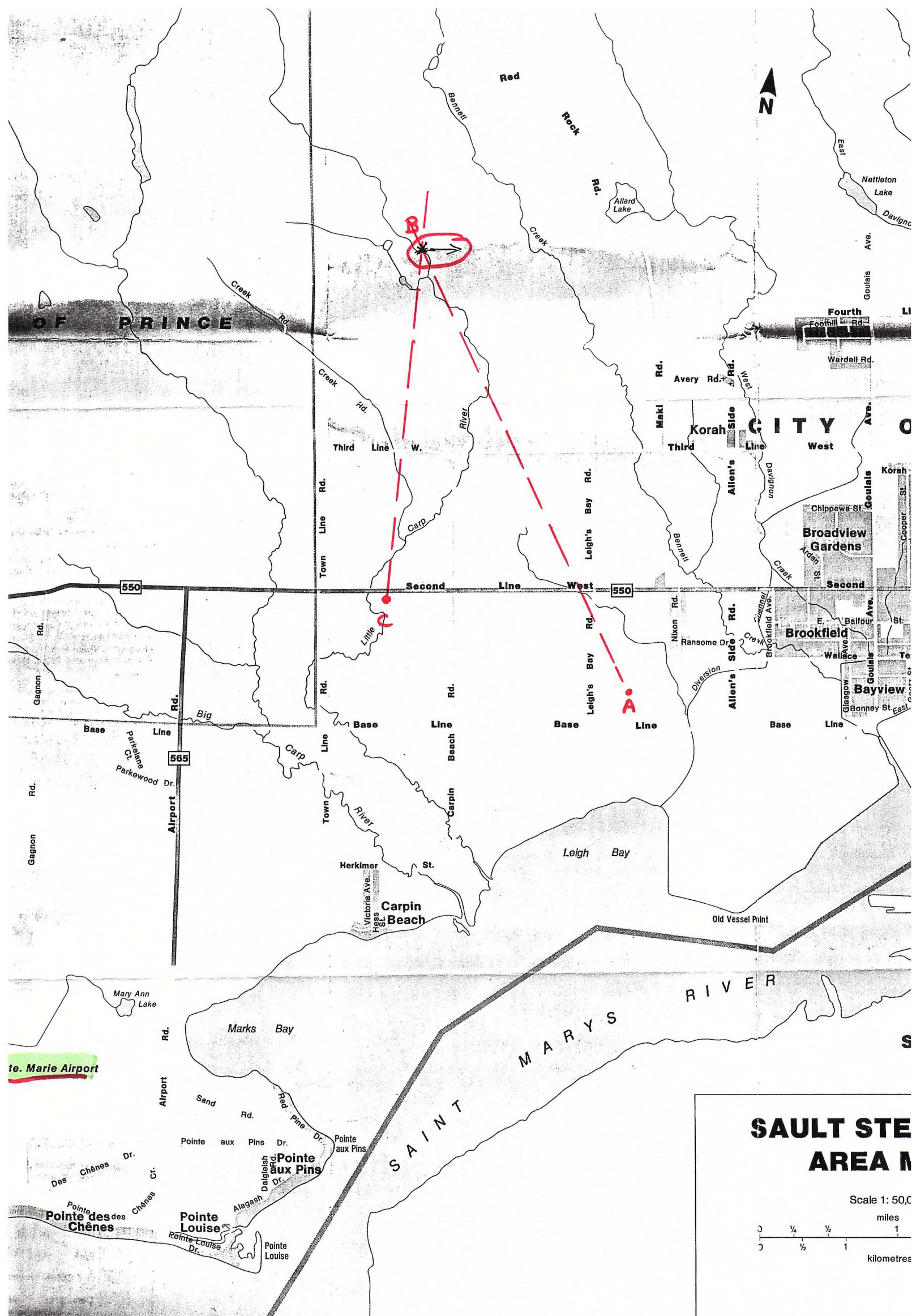
I have extra copies so if you want these you can keep them.

I also have Mr. Robb's phone number if you want to talk to him.

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Cheers!!

Andrea Sale  
YAM WO4



- A - LOCATION OF PHOTOGRAPHER (PETER ROBB)
- B - ESTIMATED LOCATION & DIRECTION OF MOTION OF FUNNEL
- C - APPARENT TO BE NORTH OF FILTRATION PLANT AT C