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**Possible Tornado**  
**Maryhill – Port Credit, Ontario**  
**June 25, 1923**

**Date- Local:** Monday, June 25<sup>th</sup>, 1923

**UTC:** Monday, June 25<sup>th</sup>, 1923

**Time- Local:** 1650

**UTC:** 2050

**Location:** Maryhill - Port Credit

**Region:** Waterloo - Wellington

**Classification:** Possible Tornado

**Category:** -999

**Casualties:** ~~None~~ /

**Track Length:** None available

**Width:** None available

**Motion:** None available

**Damage Estimate:** None available

**F-Scale Rating:** F2

**Code:** BS

**Damage Survey:** None

**Spotter Reports:** None

**Other Documents:**

Newark summary sheet (No damages were reported)

Newspaper articles

Map of tornado track

4 Surface analysis charts (Isobaric + Frontal) from Jun. 24-27, all at 1300 GMT

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## **Tornado F-Scale Assessment**

Brad L. Rousseau  
Tornado Data Production Assistant, Environment Canada  
January 27<sup>th</sup>, 2011

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**Classification:** Possible Tornado

**Date:** Monday, June 25<sup>th</sup>, 1923

**Location:** Maryhill - Port Credit, Waterloo - Wellington Region

**Assessment:** F2

**F-Code:** BS

**Explanation of Assessment:** Barns demolished and a wall on brick house blown  
in.

Summary Sheet

IDTO - ID Number :692311  
AUTH - Report Author :  
TYFU - Tornado Type & Fuji Code :b2  
TITL - Report Title or Location :Maryhill to Port  
Credit  
PROV - Province :Ontario  
COUN - Counties :Waterloo/Wellington/  
Halton/Peel  
REFS - References :see 692310  
ZOTO - Touchdown Zone Number & Easting :17548000  
NOTO - Touchdown Northing :4821500  
LOVA - Touchdown Error Value & Code :1000c  
DADA - Date of Data Entry :19/07/1990  
ZOLO - Liftoff Zone Number & Easting :17614500  
NOLO - Liftoff Northing :4822500  
UPVA - Liftoff Error Value & Code :100c  
DEAD - Number of Fatalities :1  
HURT - Number of People Injured :1  
HERT - Injuries Code :  
DATA - Date of Tornado :25/06/1923  
DAVA - Date Error Value & Code :  
TITO - Time of Tornado :1550  
TIMR - Time Meridian :75  
TIVA - Time Error Value & Code :20c  
AXDA - Maximum Path Width :  
AXVA - Max. Path Width Error & Code :  
AVDA - Average Damage Width :  
AVVA - Avg. Damage Width Error & Code :  
SADA - Sample Damage Width :40  
SAVA - Sample Damage Width Error & Code :3c  
INTO - Initials :JAM  
DFTO - Detailed Report Flag :n  
JUNK - PRDA & DIMO & DALE :  
CODA - Property Damage Code :  
MISC - ORDE,PICS\_TYPE,PICS\_AVAIL,COCO : 112  
MANY - Multiple Event Flag :y

MEMO: Number injured is a minimum. Barns demolished, orchards uprooted, wall on brick house blown in.

PHEN - Associated Phenomena :  
TSHP - Townships :Woolwich/Guelph/  
Puslich/Milton/Mississauga

JAM, 19/07/1990

B

TORNADO PROJECT SUMMARY SHEET

F=2

ONT

1. DATE AND TIME MON JUNE 25, 1923 APPROX 1650 LOCAL

2. LOCATION OR PATH (attach map) NEAR NEW GERMANY (PRESENT DAY MARY HILL) TO PORT CREDIT

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

4. PATH WIDTH 40 m in Port Credit 5. TORNADO PART OF SQUALL LINE?  YES;  NO;  UNKNOWN: 66.5 Km

6. ANY UNUSUAL COLORATION?  YES;  NO;  UNKNOWN

7. ANY UNUSUAL SOUND?  YES;  NO;  UNKNOWN

8. IF ANSWER TO 6 OR 7 YES, ELABORATE;

9. LIST ANY ASSOCIATED PHENOMENA (Such as hail, vivid lightning heavy rain, no rain, etc.)

10. TOTAL DAMAGE ESTIMATE \$ u 11. TOTAL DEATHS 1 (Possibly 2)

12. TOTAL INJURED u 13. TOTAL HOMELESS u

14. LIST ALL REFERENCES

IBID

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

(a) no remarks.

(b) The dead; ISABELLE BROHMAN, 15 yrs old, <sup>New Germany,</sup> struck and killed by falling barn timbers.

An unnamed road workman seriously injured near Erindale and not expected to live. GTR freight car wrecked on siding Port Credit. Barns demolished, orchards uprooted. Wall in brick home blown in. Over \$3,000 damage done to Port Credit brick yard.

WORKSHEET

... I.D.T.O. ...

① ORIGIN  $x$  17548000  
 $y$  4821500

⑤ Standard Error  $S_x$  C1000

② LIFT-OFF  $x_1$  17614500  
 $y_1$  4822500

⑥ Standard Error  $S_y$  C100

③  $(x_1 - x) = 66500$

④  $(y - y_1) = 1000$

⑦ DAMAGE LENGTH

$L = [(x_1 - x)^2 + (y - y_1)^2]^{1/2}$  ⑧  $\alpha = \tan^{-1} \frac{|y - y_1|}{|x - x_1|}$

③ + ④  $\rightarrow r, \theta = 66,508$

$x \leftrightarrow y = 1^\circ$

⑨ Standard Error  $S_L = (S_x^2 + S_y^2)^{1/2}$

⑤ + ⑥  $\rightarrow r, \theta = 1005$  C

⑩  $\beta = \frac{\tan^{-1} S_L}{L}$

⑦ + ⑨  $\rightarrow r, \theta$   
 $x \leftrightarrow y = 1^\circ$

NE Quad  $\phi = 90 - \alpha$

NW Quad  $\phi = 270 + \alpha$

SW Quad  $\phi = 270 - \alpha$

SE Quad  $\phi = 90 + \alpha$

⑪  $\phi = 269^\circ$