Probable Tornado
Centralia, Ontario
July 28, 1986

Date- Local: Monday, July 28th, 1986.
UTC: Monday, July 28th, 1986.
Time-Local: 16:45
UTC: 20:45
Location: 6 miles E. of Centralia
Region: Huron – Perth
Classification: Probable Tornado
Category: H
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: None
Other Documents:

Logged event citing pilots had witnessed 3 tornadoes touchdown and picking up debris.
Map of location of sightings.

Tornado F-Scale Assessment

Marci Vanhoucke
Tornado Data Production Assistant, Environment Canada
July 12, 2005.

Classification: Probable Tornado
Date: Monday, July 28th, 1986.
Location: 6 miles E. of Centralia, Huron – Perth

Assessment: F0
F-Code: NI
Explanation of Assessment: There are logged events citing pilots were eyewitnesses to 3 tornado touchdowns. It could be seen that at least one tornado was picking up debris. However, there was not any significant damage reported at the surface. Due to the lack of damage, this tornado is rated an F0.

CLASSIFICATION: Severe Thunderstorm
SOURCE/WATCHER ID:
EVENT TIME (UTC): 20-45 **EVENT DAY:** 28.0 **MONTH:** 7.0 **YEAR:** 1986.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0
DAY OF THE WEEK:
EVENT LOCALE: 6 mi E of Centralia
ASOCTD PUBLIC RGN: Huron-Perth
DETAILED DESCRIPTION: Funnel cloud; brief tornado touchdown. No damage reported.

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:

SEVERE

WEATHER LOG.

DATE	TIME OF WATCHER CALL	TIME OF SEVERE WX EVENT	LOCATION OF EVENT	WATCHER REPORT	WATCHER NAME	WATCH NUMBER	INIT.
27 JULY	3:55 PM	~3:45 PM	CENTRALIA	HVY TRS PAST 10 MIN; SIGHTED FUNNEL CLD WHICH DIDN'T TOUCH DOWN.	PASSED ALG BY XU WO4		SR
28 JULY	5:00	20:45	5-6 MI E CENTRALIA	SEVERAL PILOTS SIGHTING 3 TORNADOES APPROX DWN 1/MIN MOVG NE DEBRIS PEGGED UP	FRANK LOCHNER	YXU WO	
28 JULY	4:45	4:45	3 KM W WARWICK	HVY RAIN AT LEAST 20 mm. STRONG WIND SNAPPED TREE OFF	JIM VANOS		
28 JUL	5:07	5:07	WALTERS FALLS WOS MEAFURD	GREEN CLOUD. VORTEX (SEVERAL) HVY RAIN CLDS MOVG NE→SW NOW SW→NE FREQ LTNG	VENCE BOWEN	393	
29 July	2200 EDT	2200 EDT	NR THAMESFORD	MASSIVE AMOUNT OF CLOUD, FQT LTNG MOVG ESE→	JON VERKLIYA 519-296-4402	431	
29 Jul	CALLED YXU 09:30			RE: TORNADOES NR CENTRALIA. NO DAMAGE REPORTED. MEDIA SAID THAT THERE WAS PROBABLY LITTLE IF ANY DAMAGE. YXU WILL CALL BACK IF SOMETHING IS REPORTED			
31 Jul	~~5:15~~ 5:20 PM	21Z	Meadowvale	Flooding	Unidentified		B.A.

WEATHER LOG.

DATE	TIME OF WATCHER CALL	TIME OF SEVERE WX EVENT	LOCATION OF EVENT	WATCHER REPORT	WATCHER NAME	WATCHER NUMBER	INIT.
27 JULY	3:55PM	≃ 3:45PM	CENTRALIA	HVY TR PAST 10 MIN; SIGHTED FUNNEL CLD WHICH DIDN'T TOUCH DOWN.	PASSED ALG BY XU W04		SR
28 JULY	5:00	20:45	5-6 mi E CENTRALIA	SEVERAL ~~PILOT~~ PILOTS SIGHTING 3 TORNADOES DWN APROX 1 MIN MOVG NE DEBRIS PICKED UP	FRANK LOCHNER	YXU WO	[illegible]
28 JULY	4:45	4:45	3 KM W WARWICK	HVY RAIN AT LEAST 20 mm ~~RAIN~~ STRONG WIND SNAPPED TREE OFF	JIM VANOS		[illegible]
28 JUL	5:07	5:07	WALTERS FALLS WOS MEAFORD	GREEN CLOUD. VORTEX (SEVERAL) HVY RAIN CLDS MOVG NE→SW NOW SW→NE FREQ LGTNG	VINCE BOWEN	393	[illegible]
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31 Jul	~~21:15~~ 5:20 PM	21Z	Meadowvale	Flooding	Unidentified		B.A.

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SAS> CIR UACN10 YZ

   Observations not available for  CIR

SAS> /CIR UACN10 YZ

This display has a listing break feature.
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June '86

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UACN10 CYYZ 282045
UUA /OV 005-006 EAST YCE 2045 FL ON GND /RM SEVERAL PILOTS REPORT
SIGHTING 3 SEPERATE TORNADOS TOUCH DOWN FOR APRX 1 MIN EACH. MOVING
NELY=
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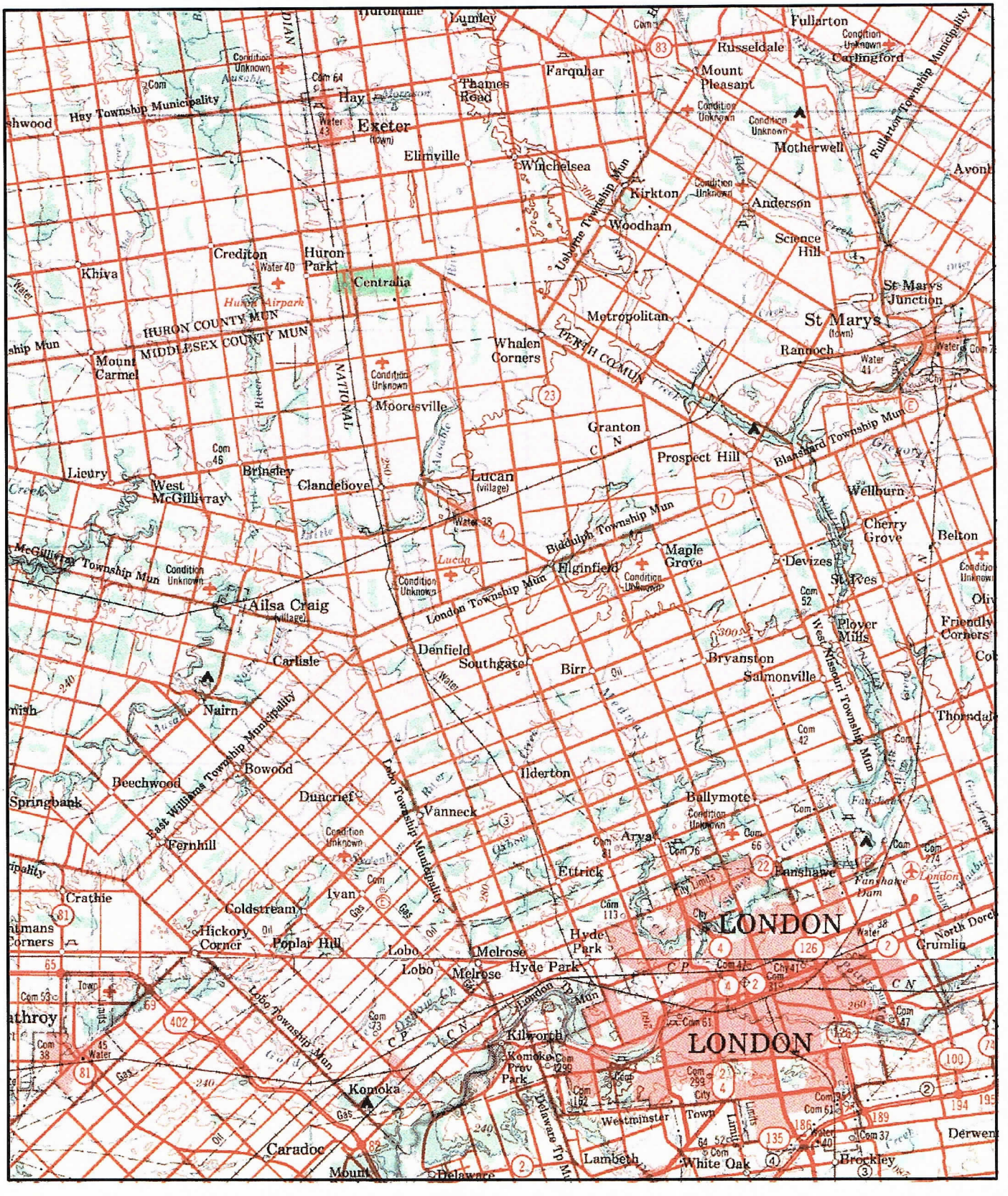
No title

SoftMap



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0 m 6250 m 12500 m

Scale 1 : 250 000

SEVERE - WEATHER RECORD

DATE	WATCH NO.	WARNING NO.	TIME ISSUED (edt)	TIME EXPIRE (edt)	FORECAST REGION	MARINE LAKE	SEQUENCE OF NOTICE TIMES (edt)	ACTIVE (HR)
JULY 28	67		15:40	20:00	✓LKE. ERIE ✓LKE. HURON ✓S-GEO. BAY ✓HALIBURTON ✓W-LKE. ONT	S-HURON S-GEO. BAY SIMCOE	UPDATED 20:00 ALL SECTORS UNTIL 22:00 CANCELLED 21:50 ALL SECTORS	6.2
JULY 28		68	16:10	18:30	✓MUSKOKA ✓SIMCOE ✓GREY ✓DUFFERIN ✓WELLINGTON ✓WATERLOO ✓PERTH ✓HURON ✓HALIBURTON	SIMCOE GEO. BAY (PARRY SOUND TO TOBERMORY)	EXPIRED 18:30	2.3
JULY 28		69	17:18	19:00	✓PERTH ✓OXFORD ✓WATERLOO		CANCELLED 18:20 ALL REGIONS	1.0
JULY 28		70	18:45	19:45	✓ELGIN	C-ERIE (RONDEAU TO LONG POINT)	EXPIRED 19:45	1.0

DAMAGE RECORD

WO-4	WATCHER/MEDIA (check (✓) one)	OTHER	TIME (EDT)	REPORT OF EVENT
✓			16:45	CENTRALIA (AS RELAYED YXU) PIREP - 3 TORNADOES SIGHTED TOUCHING DOWN FOR A MAXIMUM PERIOD OF 1 MIN - DEBRIS OBSERVED IN FUNNEL NOTE: NO REPORTS OF DAMAGE FROM THE REGION. FOLLOWING EVENT.
	✓		16:45	WARWICK (LAMBTON CNTY.) - HEAVY RAINFALL - TREES DAMAGED IN WIND GUSTS
	✓		17:07	MEAFORD (GREY CNTY.) - HEAVY RAINFALL - SEVERE LIGHTNING
	✓		22:00	THAMESFORD (OXFORD CNTY.) - HEAVY RAINFALL - SEVERE LIGHTNING

$\frac{29}{32}$ $\frac{19}{69} = 28\%$