
**Confirmed Tornado
Hazzards Corners, Ontario
May 5, 2000**

Date- Local: Friday, May 5th, 2000

UTC: Friday, May 5th, 2000

Time- Local: 1615

UTC: 2015

Location: Hazzards Corners

Region: Stirling-Tweed-South Frontenac

Classification: Confirmed Tornado

Category: A

Casualties: None

Track Length: 10 000 m

Width: 200 m

Motion: 0 degrees

Damage Estimate: \$20 000

F-Scale Rating: F0

Code: AH

Damage Survey: David Sills, MSC King Radar

Spotter Reports: Two

Other Documents:

Personal correspondence between Patrick King and David Sills

Notes by David Sills

Maps of Hazzards Corners and area

Media reports

Newspaper Articles

sj/s

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

Tornado F-Scale Re-Assessment

Sarah J. Sriver

Tornado Data Production Assistant, Environment Canada

April 21st, 2004

Classification: Confirmed Tornado

Date: Friday, May 5th, 2000

Location: Hazzards Corners, Stirling-Tweed-South Frontenac Region

Original Assessment: F0

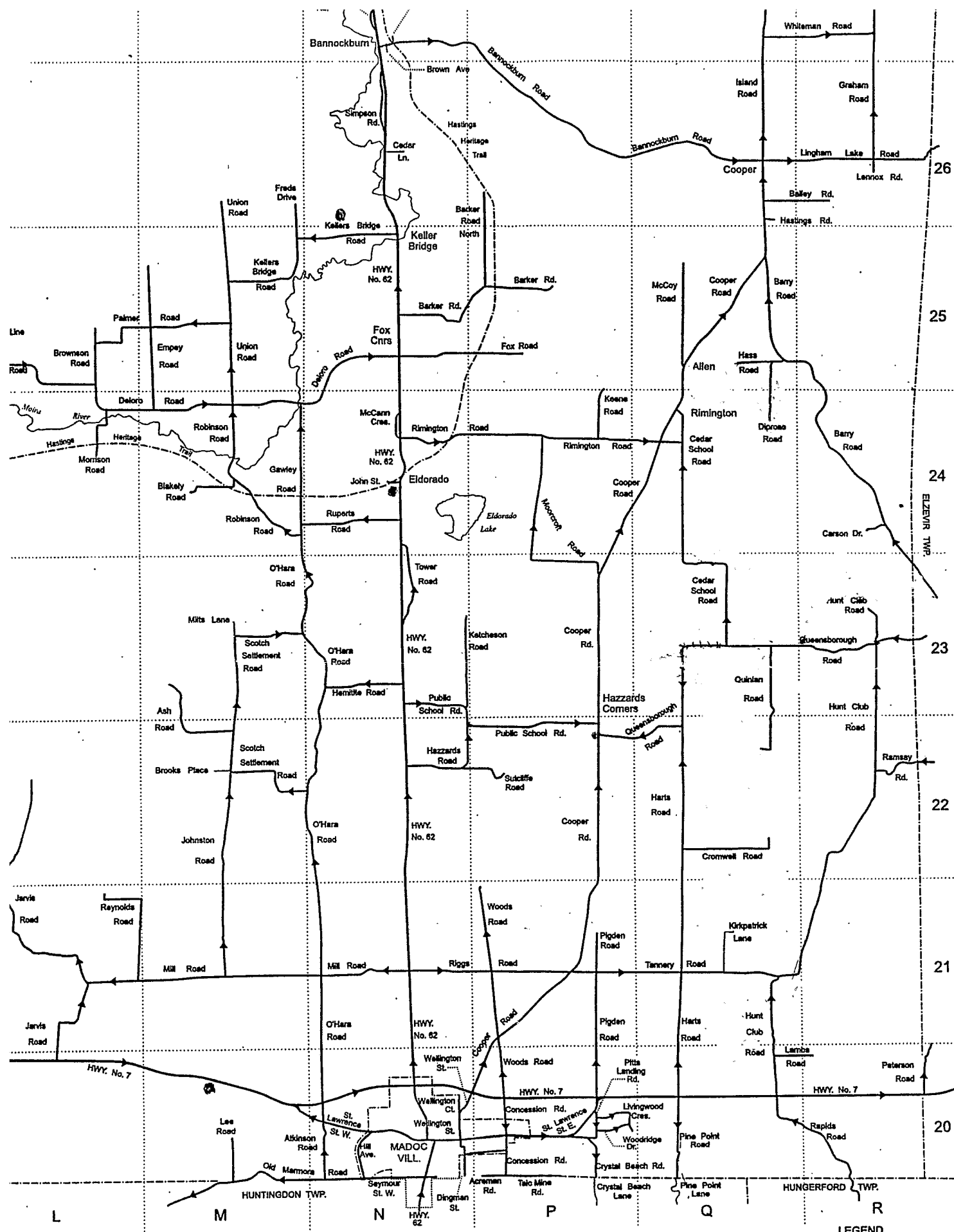
Re-Assessment: F0

F-Code: AH

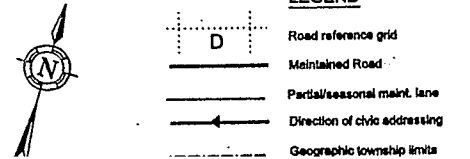
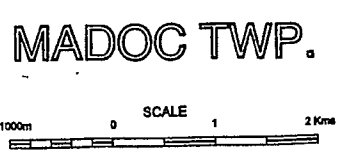
Explanation of Assessment: Minor damage to house including toppled chimney, numerous shallow-rooted trees down, one hydro pole down.

SJS

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



COUNTY OF HASTINGS
 Planning Department
 1991 Civic Address Mapping
 & revisions Oct. 10, 1997
 Spatial boundaries to Dec. 31, 1997



Storm Damage Survey - 5 May 2000

Investigator
David Sills, MSC King Radar

All photographs Copyright 1999 Environment Canada

Quick Facts

Severe Weather Type	Tornado
Location	Hazzards Corners, Ontario - NE of Madoc
Time	1615 EDT
Duration	Approx. 15 minutes
Magnitude	F0
Path Length	Approx. 10 km
Direction of Motion	mainly from 0° though there was curvature
Path Width	Variable, maximum roughly 200 m
Significant Damage	Minor damage to house, roughly 100 trees down including numerous large trees with shallow root systems, one hydro pole down
Damage Estimate (Source)	\$20 000 (DS)

Overview

On 5 May 2000, a thunderstorm developed near Bancroft near 1915 UTC and moved toward the southeast. At 2040 UTC, a report of a tornado was received via the Madoc OPP by RCTO (see Appendix A). Only minor damage was reported.

A damage survey was conducted the following day, 6 May 2000. There was minor damage to a house and numerous trees felled from various directions. It was concluded from the damage that an F0 tornado travelled from roughly N to S over a distance of approximately

10 km. Additional and subsequent information from witnesses supported this conclusion. The author estimates the damage to be on the order of \$20 000.

Investigation

The Madoc OPP related the location of damage and kindly provided detailed maps of the area. The first location visited was the home of Dean and Hilda Wehring at 123 Hass Road, roughly 5 km south of Cooper (a detailed map is provided near the end of the document). They had reported that their chimney was knocked off and that is shown in the picture below.



123 Hass Rd - facing S, chimney near
bottom of house

Roughly 20m to the west of the house, several large trees were blown down from the south, as shown in the picture below.



123 Hass Rd.- facing W, trees and debris across road

A bit farther down the road to the west, there was tree damage due to winds from the north, as shown by the photo below.



Hass Rd. - facing N, tree branch wedged into tree from N direction

Hilda Wehring said the storm came up at about 4:15 pm. At first it was windy with a lot of hail. Her husband opened the front door and encountered a whirlwind in the road. The screen door and a window were sucked from the house by the vortex. She related that roughly 100 trees, many large, were downed from various directions on their property approximately 1 km to the south of the house. She also said that the hail was about the size of a quarter and covered the ground.

Several other small pockets of felled trees were found on roads to the south of Hass Rd. Again, trees were down in various directions. On Queensborough Rd., which runs roughly

east-west, there were numerous trees down from the north over a distance of roughly 1 km (see photo below). There was a hydro pole down about 1 km farther to the east.



Queensborough Rd - facing E, large tree down in foreground from north, second tree down from north in background

There were also some metal siding panels found against a fence that appeared to be blown from the east or northeast. These are shown below.



Harts Rd. - facing E, two metal siding panels crumpled and against fence.

Peter Henderson observed a tornado at around 4 pm from the corner of Cooper and Queensborough Roads, appropriately known as Hazzards Corners. He described a dark, wedge-shaped cloud hanging from the thunderstorm with 5 or 6 vortices below sucking up

dirt and debris. Looking north, he watched the tornado move to the east then curve south. He said that it then seemed to encounter winds from the south and began to move from the east more toward his location. He said he observed the tornado over a 10-15 minute period. At his location, there were light showers and frequent lightning. To his east, he said he saw a wall of white that he thought was hail.

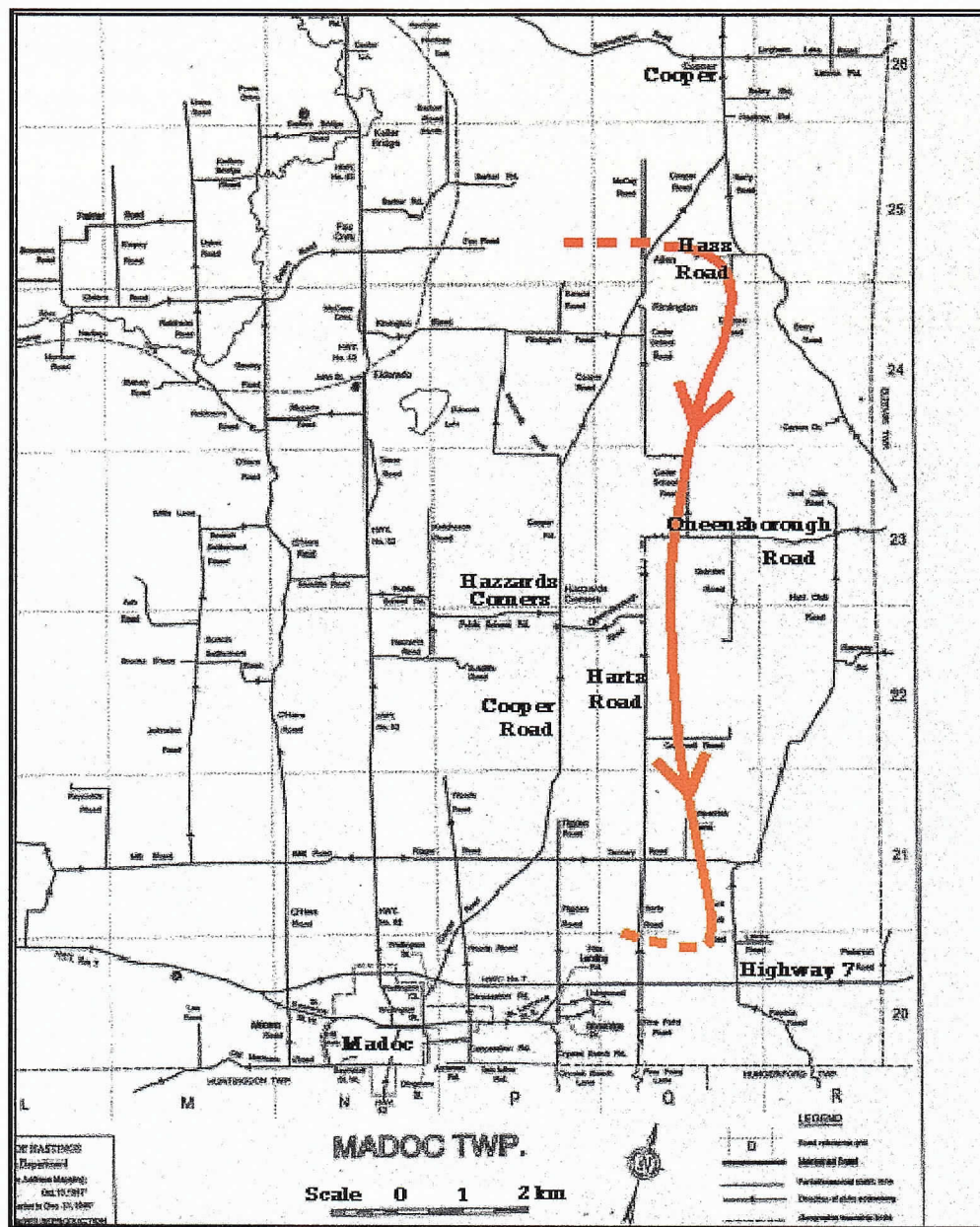
There were also other reports in the media of sightings of two funnel clouds. Mr. Henderson said he saw only one.



Hunt Club Road - Facing N, very mangy-looking coyote (or large red fox?)

Conclusions

After analyzing the damage and witness accounts, it was concluded that a tornado occurred causing damage consistent with F0 intensity on the Fujita scale (Fujita, 1981). There were several areas where trees were found downed in various directions along a narrow damage path. The trees' orientations appeared to be consistent with a cyclonically rotating vortex. The damage track appeared to begin near 123 Hass Rd. and ended approximately 10 km to the south just north of Highway 7 (see map below). According to a witness, the tornado motion was initially to the east, then to the south, then finally back toward the west possibly displaced by thunderstorm outflow. The maximum damage path width appeared to be roughly 200 m. The time of the event was approximately 1615 EDT with a duration of 10-15 minutes. There were no reports of injuries or deaths. Damage was estimated by the author to be on the order of \$20 000.



Post Script

The author was fortunate enough to drive through this same thunderstorm on Highway 401, sometime after the tornado had occurred. The rain grew increasingly heavy moving toward the west and slushy hail was briefly encountered. There appeared to be a lowering on the NW side of the storm and possibly a 'beaver tail' cloud formation off to the north, indicating that the inflow region may have been from the north side of the storm.

Reference

Fujita, T.T. 1981. Tornadoes and Downbursts in the Context of Generalized Planetary Scales. *J. Atmos. Sci.***38**: 1511-1534.

Appendix A

SOURCE/WATCHER ID: OPP

EVENT TIME (UTC): 20-40

EVENT DAY: 5.0

MONTH: 5.0

YEAR: 2000.0

EVENT LOCALE: N OF MADOC

ASOCTD PUBLIC RGN: Peterborough and the Kawarthas

DETAILED DESCRIPTION: TORNADO REPORTED TO OPP N OF MADOC MOVING TOWARD TWEED.

TORNADO: POSSIBLE

Confirmed Tornado
Hazzards Corners
May 5th, 2000

Date: Friday, May 5th, 2000

Time: 1615 EDT

Location: Hazzards Corners, Ontario, NE of Madoc

Casualties: None

Classification: Confirmed F0 Tornado

Damage Survey: David Sills, MSC King Radar

Spotter Reports: Two (included)

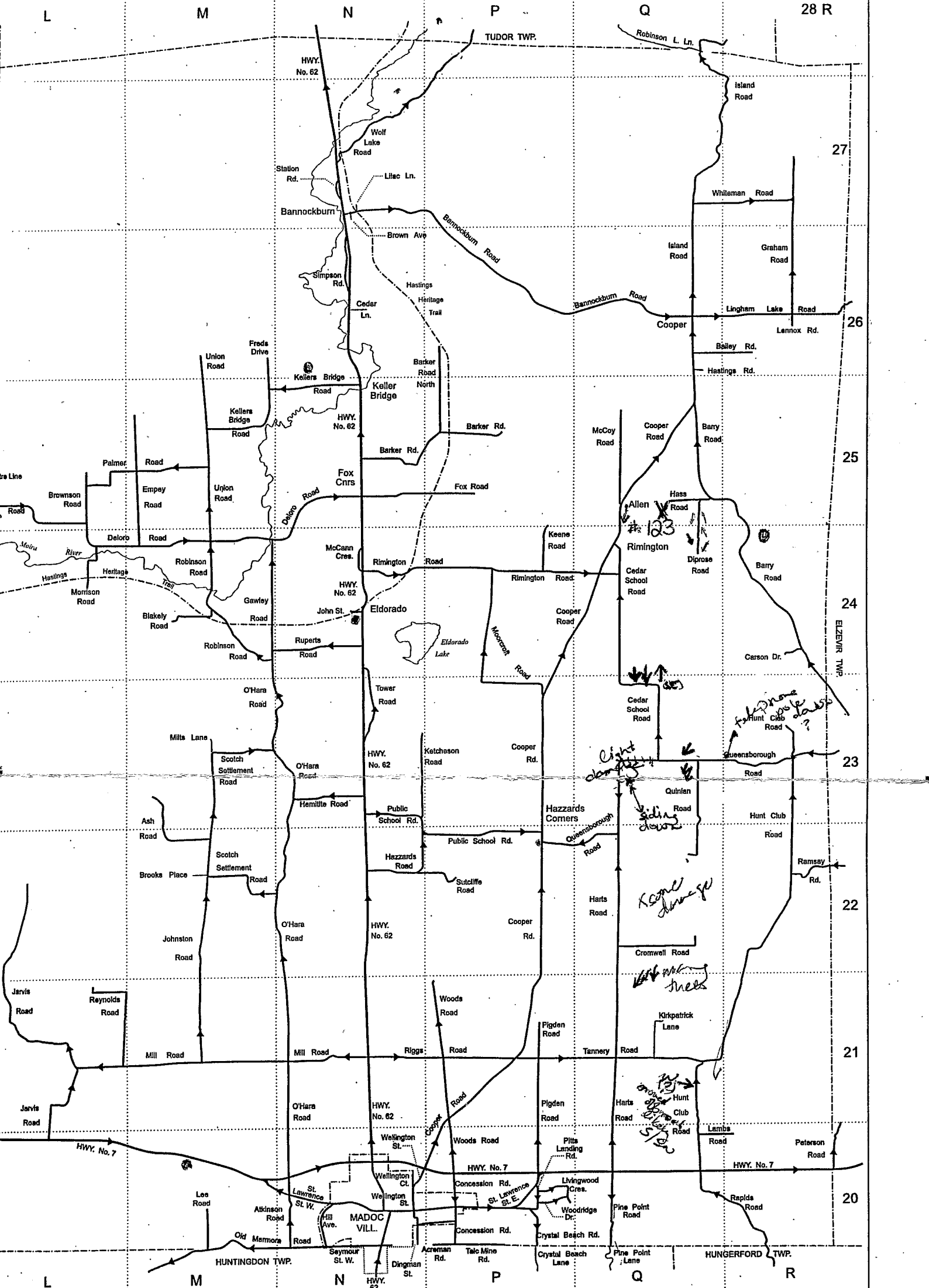
Other Documents:

Personal correspondence between Patrick King and David Sills

Notes by David Sills

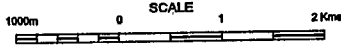
Maps of Hazzards Corners and area

Other media reports and newspaper articles

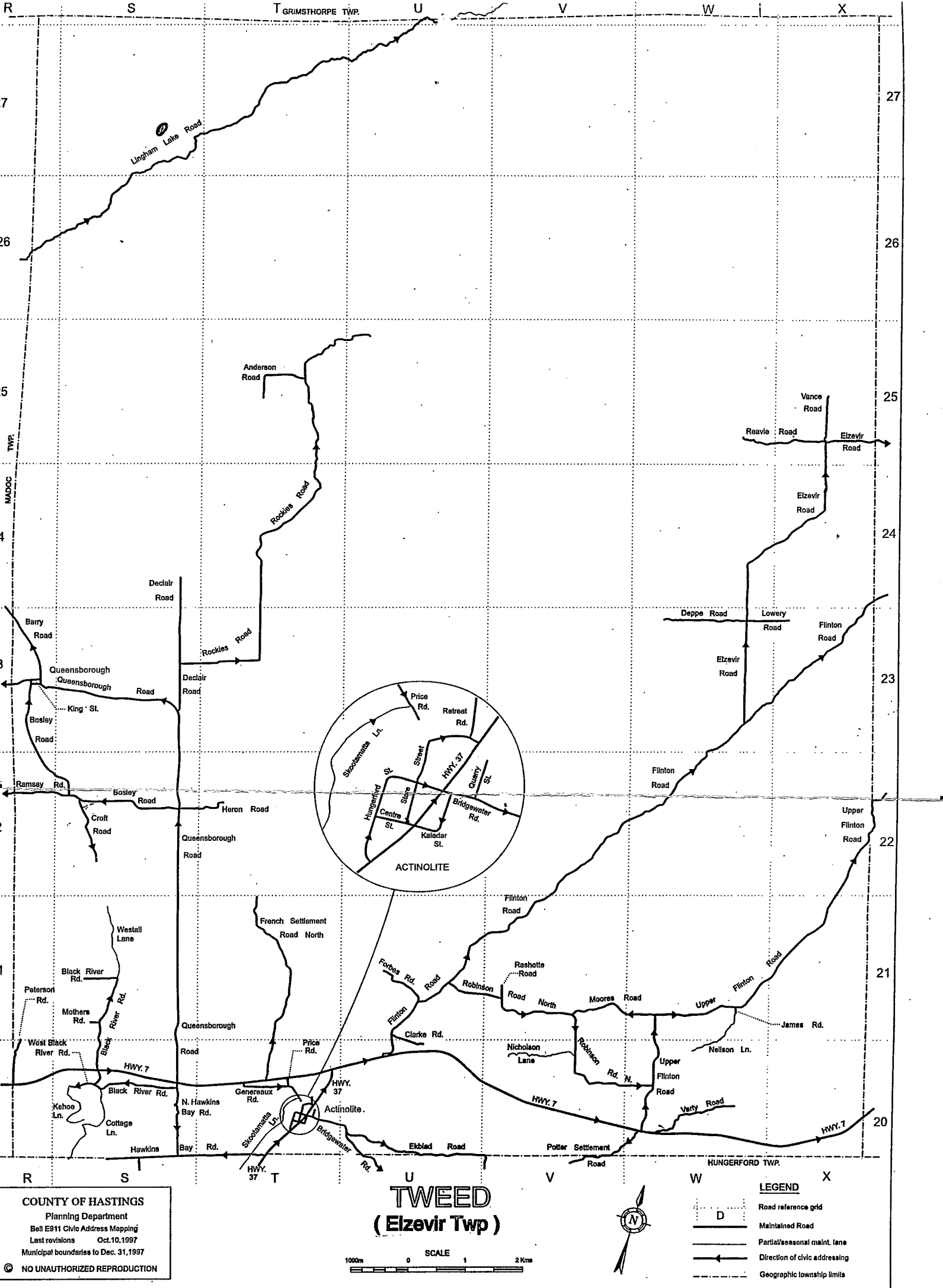


COUNTY OF HASTINGS
Planning Department
all E911 Civic Address Mapping
est revisions Oct. 10, 1997
iclipal boundaries to Dec. 31, 1997
UNAUTHORIZED REPRODUCTION

MADOC TWP.



LEGEND	
	Road reference grid
	Maintained Road
	Partial/seasonal maint. lane
	Direction of civic addressing
	Geographic township limits



COUNTY OF HASTINGS
Planning Department
Bell E911 Civic Address Mapping
Last revisions Oct.10.1997
Municipal boundaries to Dec. 31,1997
© NO UNAUTHORIZED REPRODUCTION

Grid Ref.	ROAD NAMES	Grid Ref.	ROAD NAMES	Grid Ref.	ROAD NAMES	Grid Ref.	ROAD NAMES
25T	ANDERSON RD	20U,20V	EKBLAD RD	21W,21X	JAMES RD	20R,21R	PETERSON RD
23R	BARRY RD	23W-25X	ELZEVR RD	20T	KALADAR ST	20W,20V	POTTER SETTLMNT. RD
20S,21S	BLACK RIVER RD	20U-24X	FLINTON RD	20S	KEHOE LN	20T	PRICE RD
22S,23R	BOSLEY RD	21U	FORBES RD	23R,23S	KING ST	20T	QUARRY ST
20T,20U	BRIDGEWATER RD	20T,21T	FRENCH SETTLMNT. RD N.	26R-26V	LINGHAM LAKE RD	20S-23R	QUEENSBOROUGH RD
20T	CENTRE ST	20T	GENEREUX RD	23W-23X	LOWERY RD	22S,22R	RAMSAY RD
21U,20U	CLARKE RD	20T,20S	HAWKINS BAY RD	21W,21V	MOORES RD	21V	RASHOTTE RD
20S	COTTAGE LN	22S,22T	HERON RD	21S	MOTHERS RD	25X,25W	REAVIE RD
22S	CROFT RD	20T	HIGHWAY 37	21W,20W	NEILSON LN	20T	RETREAT RD
23S,24S	DECLAIR RD	20R-20X	HIGHWAY 7	20V	NICHOLSON LN	21U-20W	ROBINSON RD N.
23W	DEPPE RD	20T	HUNGERFORD ST	20S	N. HAWKINS BAY RD	23S-25U	ROCKIES RD

Grid Ref.	ROAD NAMES	Grid Ref.	ROAD NAMES	Grid Ref.	ROAD NAMES	Grid Ref.	ROAD NAMES
20T	SKOOTAMATTA LN	20T	STORE ST	21W-22X	UPPER FLINTON RD	25X	VANCE RD
20W	VARTY RD	36R	WESLEMKOON L. RD (GRIMSTHORPE TWP)	20S	W. BLACK RIVER RD	21S	WESTALL LN

Environment
CanadaEnvironnement
Canada

<<< Back

Significant Wx Event Display - 2000.0/5.0/5.0

CLASSIFICATION: Severe Thunderstorm

SOURCE/WATCHER ID: OPP

EVENT TIME (UTC): 20-40

EVENT DAY: 5.0 MONTH: 5.0 YEAR: 2

DAY OF THE WEEK:

EVENT LOCALE: N OF MADOC

ASOCTD PUBLIC RGN: Peterborough and the Kawarthas

DETAILED DESCRIPTION: TORNADO REPORTED TO OPP N OF MADOC MOVING

INITIAL ASSESSMENT: YES

to ward Tweed

SPL WX STATEMENT IN EFFECT ?: NO

STATEMENT LEAD TIME (HR):

(M)

WATCH IN EFFECT ?: NO

WATCH LEAD TIME (HR):

(M)

WARNING IN EFFECT ?: NO

WARNING LEAD TIME (HR):

(M)

TORNADO: POSSIBLE

WINDSPEED:

RAINFALL: MM

RAIN DURATION:

HAIL DIAMETER: MM

HAIL DESCRIPTION:

EVENT DESCRIPTION: Tornado

Mesoscale ?:

Synoptic ?:

Big Event ?:

Statement Est Hit/Miss: NO

Watch Est Hit/Miss: NO

Warning Est Hit/Miss: NO

Separate Event (30km/30min):

Vetted by:

Vetted date:

dime sized
concrete
in Tweed
Barry
Rd.

= damage to roof?

123 Hass
Rd.

www.bellevilletoday.com
OPP- Derek Baldwin
1-613-962-9171 ex. 221

Belleville
Intelligence

Sills, David [Ontario]

From: King, Patrick [Ontario]
Sent: May 10, 2000 10:59 AM
To: Sills, David [Ontario]
Cc: Leduc, Mike [Ontario]
Subject: RE: tornado on May 5

Hi Dave,

I remade the missing images and had a look at some of the loops. The images are in /SDLDATA/images/0005/east - I am rearranging where I keep some stuff on smarts3. The attached images are normalized VIS images. I have highlighted in red areas with normalized VIS count of 50 or more (usually a good rain/no rain threshold) and have marked your storm track in green. The image at 2002Z shows pretty clearly that I should have paid more attention to my own talk at Halifax last December - this storm could be identified as severe from this image. Looking at the loops the storm is first evident at 1445Z and it looks unusual throughout its whole history. It starts right on the coast of Georgian Bay near Britt, right on the edge of a fog bank it appears. It pulsed a bit in normalized vis counts but it became very bright very quickly and remained that way through most of its lifetime. Now I guess its about time to mention lake breezes. There appears to me to be a fairly clear Rice lake lake breeze with the eastern vertex aimed at Madoc. Watching the loop has convince me that there is a northeastward extension. THE WBUF MM5 showed aboundary in that region. I wonder what MC2 would show at 5km or higher res.

I agree. This is an interesting case.

Pat



vs052002.gif



vs052015.gif



vs052032.gif

-----Original Message-----

From: Sills, David [Ontario]
Sent: Tuesday, May 09, 2000 10:30 AM
To: King, Patrick [Ontario]
Subject: RE: tornado on May 5

Hi Pat,

Well, from the vis data that I saw, the storm had its beginnings way up near Georgian Bay, possibly on the front there. It seemed to blow up pretty far north of L Ont but it needs more investigation. Let me know if you get a complete loop together. I think it would make a good case study.

Cheers,

Dave

David M.L. Sills, Severe Weather Scientist
Meteorological Research Branch, Environment Canada.
Working today out of: 75 Farquhar Street, Guelph, Ontario, Canada
(519) 823-4216, David.Sills@ec.gc.ca

-----Original Message-----

From: King, Patrick [Ontario]
Sent: Monday, May 08, 2000 10:24 PM
To: Sills, David [Ontario]
Subject: RE: tornado on May 5

I took off Monday to deal with a plumbing problem. We had problems with the taping over the weekend but Friday should be recorded. I made several visits to the Weather Office on Friday. The BUF MM5 showed a boundary NE from Prince Edward County. I suggested to Tom Noga that there might be a possibility of an interaction between that boundary and the dynamics (weak as they were) in eastern Ontario.

Pat

From: Sills, David [Ontario]
Sent: 2000 May, 8 14:41 PM
To: King, Patrick [Ontario]
Cc: Donaldson, Norman [Ontario]
Subject: tornado on May 5

Hi Pat,

There was an F0 tornado near Madoc on Friday. I did the survey on Saturday. I found the sat images on smarts3 but they end at 2000Z, just before the tornado is reported! Please tell me you have the rest somewhere ;-). If not, at least we can see how this one developed. This one is really a weird one. It looks like it might have rode the Georgian Bay lake breeze front inland. It could also have really blown up when it hit the Ontario front but I don't have enough data to tell. It could be neither, too. Oddly enough, I drove through the storm as it passed over the 401 nearer to Kingston. It looked odd enough for me to get off the highway and take a look from the rear. It definitely looked supercellular.

Norman, I tried to get the radar but it isn't as easy now with URP, is it? No one can tell me how to do it now. Perhaps you could get the images when you have time. May 5 around 2000Z.

Take care guys,

Dave

David M.L. Sills, Severe Weather Scientist
Environment Canada, King City Radar Facility
14780 Jane Street, King City, Ontario
Canada, L7B 1A3, 905-833-3905 x235

"The views expressed here are mine and do not reflect the official position of my employer or the organization through which the Internet was accessed."

From: King, Patrick [Ontario]
Sent: March 14, 2000 5:26 PM
To: Sills, David [Ontario]
Subject: LB today

Classic LB in SW flow today.

Obs from CYXU:

2000 SCT033	10.00	1018.6	8.3	1.2	2312	SC3
2100 FEW035	8.00	1018.4	7.3	3.2	1813	SC2

Composite Vis image from 18 to 21Z has enhanced Cu from Sarnia to NE and also through London. Exeter radar shows hint of convergence line right through station.

Pat

Mntr#	Monitor Notes	Date Aired / Division
Time/Dur	Station/Program/Anchor/Reporters	Keyword / Formats

35FAF-2 CP / NATIONAL / Broadcast News
18:05
00:30min CP

09 May 00 / 300
TORNADO

INDEX: ENVIRONMENT MOST OF SOUTHERN ONTARIO IS EXPECTED TO REMAIN UNDER A SEVERE THUNDERSTORM WATCH FOR THE REST OF THE DAY. ENVIRONMENT CANADA IS WARNING ABOUT THE POSSIBILITY OF DAMAGING WINDS OF UP TO 100 KILOMETRES AN HOUR AND THE POTENTIAL FOR HEAVY HAIL. THE UNSETTLED WEATHER, WHICH MOVED INTO THE GEORGIAN BAY REGION LATE LAST NIGHT, IS BEING BLAMED FOR BRIEF POWER FAILURES AND STRONG WIND GUSTS THAT KNOCKED DOWN TREE BRANCHES. THE OVERNIGHT THUNDERSTORMS ARE ALSO BEING BLAMED FOR A HOUSE FIRE IN GREY COUNTY. CHESLEY FIRE CHIEF JACK LANCASTER SAYS LIGHTNING STRUCK HYDRO WIRES ATTACHED TO A FARM HOUSE SOUTH OF OWEN SOUND AT TWO THIS MORNING. THE POWER SURGE CAUSED A FIRE THAT DESTROYED A BEDROOM AND CAUSED SMOKE DAMAGE THROUGHOUT THE BUILDING. THE FAMILY MANAGED TO ESCAPE UNHARMED. WIND GUSTS OF 90 KILOMETRES AN HOUR HAVE ALSO BEEN RECORDED IN WINDSOR AND CHATHAM. MEANWHILE, ENVIRONMENT CANADA HAS CONFIRMED THAT IT WAS A SMALL TORNADO THAT CAUSED MINOR DAMAGE TO A HOME NORTH OF MADOC LAST FRIDAY. SEVERE WEATHER SPECIALIST DAVE SILLS SAYS IT WAS AN F-ZERO
TORNADO -- THE WEAKEST STRENGTH THAT CAN BE RECORDED. (BN, CKNX, CJTN) ---
RN CP 0906ES 09-05-00

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** Derek Baldwin
Belleville Intelligencer **EVENT TIME (UTC):** 20-30 **EVENT DAY:** 5.0 **MONTH:** 5.0
YEAR: 2000.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:**
EVENT LOCALE: Cooper- 13 km northnortheast of Madoc **ASOCTD PUBLIC RGN:**
Peterborough and the Kawarthas **DETAILED DESCRIPTION:** "Confirmed F0 tornado- 2
funnels sighted. 2-3 dozen large trees down. No property damage. Large Hail. See Hazzard's
Corners case study on RCTO homepage" **INITIAL ASSESSMENT:** YES **SPL WX**
STATEMENT IN EFFECT ?: NO **STATEMENT LEAD TIME (HR): (MIN):**
WATCH IN EFFECT ?: NO **WATCH LEAD TIME (HR): (MIN):** **WARNING IN**
EFFECT ?: NO **WARNING LEAD TIME (HR): (MIN):** **TORNADO:** F0
WINDSPEED: **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** MM
HAIL DESCRIPTION: 24 **EVENT DESCRIPTION:** Tornado **Mesoscale ?:** NO
Synoptic ?: NO **Big Event ?:** NO **Statement Est Hit/Miss:** NO **Watch Est Hit/Miss:**
NO Warning Est Hit/Miss: NO **Separate Event (30km/30min):** YES **Vetted by:** CF
Vetted date: 13/06/00

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** OPP **EVENT**
TIME (UTC): 20-40 **EVENT DAY:** 5.0 **MONTH:** 5.0 **YEAR:** 2000.0 **EVENT**
DURATION (HR): 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** N OF
MADOC **ASOCTD PUBLIC RGN:** Peterborough and the Kawarthas **DETAILED**
DESCRIPTION: "TORNADO REPORTED TO OPP N OF MADOC MOVING
TOWARD TWEED. Note storm occurred closer to 20:15 - 20:30. See other entries."
INITIAL ASSESSMENT: YES **SPL WX STATEMENT IN EFFECT ?:** NO
STATEMENT LEAD TIME (HR): (MIN): **WATCH IN EFFECT ?:** NO **WATCH**
LEAD TIME (HR): (MIN): **WARNING IN EFFECT ?:** NO **WARNING LEAD**
TIME (HR): (MIN): **TORNADO:** F0 **WINDSPEED:** **RAINFALL:** MM **RAIN**
DURATION: **HAIL DIAMETER:** MM **HAIL DESCRIPTION:** **EVENT**
DESCRIPTION: Tornado **Mesoscale ?:** NO **Synoptic ?:** NO **Big Event ?:** NO
Statement Est Hit/Miss: NO **Watch Est Hit/Miss:** NO **Warning Est Hit/Miss:** NO
Separate Event (30km/30min): YES **Vetted by:** CF **Vetted date:** 13/06/00

may 5th

Globe & Mail Toronto, ON	(Daily) 2000-05-06	Page A9	Code 22, 433, 425		
			148, 2115	DJE	Circ.: 306,210

300

NATIONAL REPORT



ALBERTA

Ludwig accepts conviction, sentence

Edmonton. Wiebo Ludwig will not appeal his conviction for oil-patch bombing, his lawyer said yesterday.

"It's like he said to [Mr. Justice Sterling] Sanderman," Paul Moreau said. "He said, 'I accept the judgement of the court.'"

Last month, Mr. Ludwig was sentenced to 28 months in jail after being convicted on three counts of dynamite possession as well as blowing up one well site and sealing another with concrete. CP

Alliance MP. returns after 5th heart attack

Calgary. Two days after emergency surgery following his fifth heart attack, Canadian Reform Conservative Alliance MP Myron Thompson was back politicking.

Mr. Thompson, a 64-year-old smoker, said he was fine and has no plans to slow down. "I'm givin' 'er full steam." CP

ONTARIO

Tornado damages home, uproots trees

Cooper. Provincial police say a small tornado touched down late last afternoon near the village of Madoc in Eastern Ontario.

A resident said it twister damaged the chimney on his house and some windows but caused no injuries. The twister also uprooted several trees. CP

Students suspended for weapons incidents

Hamilton. A nine-year-old boy who slashed at another student with one of three steak knives he brought to school yesterday has been suspended. Police said he is too young to be subject to the Young Offenders Act, so officers called in the Children's Aid Society.

In another incident in nearby Dundas, police arrested a 12-year-old boy for possession of a dangerous weapon after he allegedly pointed an imitation pistol at a teacher and students. The Hamilton-Wentworth District School Board suspended him.

No one was hurt in either incident. *Special*

Disabled people to get more funds

Kingston. The province will spend \$50-million to help people with developmental disabilities live in their communities, Community and Social Services Minister John Baird announced yesterday. CP

Old jails closing, new ones to be built

Brockville. Correctional Services Minister Rob Sampson announced yesterday that the government will modernize the province's correctional institutions with about \$52-million in new projects involving expansion, retrofitting and new facility construction.

Several old jails, some built in the 1800s, will be closed. CP

QUEBEC

Police won't process speeding tickets

Montreal. Provincial police have been quietly refusing to process speeding tickets, a move that has so far cost the government \$24-million in lost revenue.

It's the latest pressure tactic by police in a contract dispute with the government over wages.

They want a 7.5-per-cent raise; other provincial employees have been offered 5 per cent. CP

NEWFOUNDLAND

Crab fishermen protest catch limits

St. John's. About 200 crab fishermen, upset with recent cuts to their catch limits, blocked the entrance to the federal Fisheries Department office for three hours yesterday. The fishermen say the federal government was wrong to cut their limits 15 per cent.

Last month, the Fisheries Minister cut catch limits for snow crab by an average of 25 per cent. He said the stocks needed to rebuild after several years of intense fishing. CP

Mang Str

ITEM

PUBLICATION The Sault Star
DATE Wed 10 May 2000
EDITION FINAL
SECTION/CATEGORY Ontario
PAGE NUMBER A13
COLUMN TITLE Digest
STORY LENGTH 53

HEADLINE: Madoc gets first spring tornado

MADOC (CP) -- An eastern Ontario storm on Friday was the
** province's first recorded tornado of the spring, Environment
** Canada confirmed Monday.

Stands of trees were flattened when winds of up to 240 kilometres
per hour ripped through the area about 40 kilometres north of
Belleville. No one was injured in the storm.

SEARCH TERMS ENVIRONMENT; CANADA;

INFOMART CUSTOMSEARCH

*** END OF STORY ***

May 5th

GLOBE AND MAIL - Document 6 of 18

.....

001270006 SAT MAY.06,2000

PAGE: A9

BYLINE:

CLASS: National News

SOURCE: CP

EDITION: Metro DATELINE: Cooper

WORDS: 44

.....

HEAD: NATIONAL REPORT

HEAD: ONTARIO

HEAD: Tornado damages home, uproots trees

Cooper Provincial police say a small tornado touched down late last afternoon near the village of Madoc in Eastern Ontario.

A resident said it twister damaged the chimney on his house and some windows but caused no injuries. The twister also uprooted several trees. CP

ADDED SEARCH TERMS:

GEOGRAPHIC NAME: Ontario; Madoc

SUBJECT TERM: tornadoes

<EOS>

May 5th

ITEM

PUBLICATION The Kingston Whig-Standard
DATE Sat 06 May 2000
EDITION FINAL
SECTION/CATEGORY News
PAGE NUMBER 15
STORY LENGTH 108

HEADLINE: First twister hits north of Madoc

** The first tornado of the season was reported yesterday about 10 kilometres north of Madoc.

A small twister touched down on Haas Road near the village of Cooper, around 4:30 p.m., according to Centre Hastings OPP. A house belonging to Dean Weiring suffered chimney and window damage and several trees were felled.

** The tornado then moved on, travelling east in the general direction of Tweed and Kaladar. There were no further reports of damage, however.

The OPP blame the twister's appearance on the return of warm, humid conditions this week. Under the right weather conditions

** small tornados are not a rarity in the vicinity of Highway 7 corridor.

SEARCH TERMS TORNADO; TORNADOS;

INFOMART CUSTOMSEARCH

*** END OF STORY ***

May 8th

ITEM

PUBLICATION The Ottawa Sun
DATE Saturday May 6, 2000
PAGE 12
BYLINE JOHN STEINBACHS

HEADLINE: LIGHTNING SPARKS BLAZE
TWISTER HITS FARM

** Some strange weather southwest of Ottawa had people nervously watching the skies as a tornado and a lightning storm wreaked havoc last night.

In Merrickville, lightning struck a home at about 9:40 p.m. and started a blaze that took about 90 minutes to extinguish.

About 22 firefighters battled the house fire which started in a basement electrical panel and spread to a wall.

Earlier in the day, a small tornado touched down in Kaladar, just north of Madoc, damaging a farm house.

BROKE WINDOW

"It just broke the front window," said Dean Wehring, 15, who was at his family home when the tornado hit at about 4:30 p.m.

Damage was also done to the chimney.

Wehring said hail had been falling prior to the storm and his father was on the porch watching it fall.

"All of a sudden you just felt a pull of wind," Wehring said, adding that he grabbed his dog when the trouble began.

No one was injured but the tornado also took down several trees near the home.

SEARCH TERMS TORNADO; THE;

*** END OF STORY***

May 5th

ITEM

PUBLICATION Broadcast News
DATE Fri 05 May 2000
SECTION/CATEGORY Ontario-Quebec regional news
STORY LENGTH 95

HEADLINE: Violent Storm-Update (tornado touches down)

INDEX: Environment

COOPER -- The O-P-P says a small tornado touched down this afternoon near the village of Madoc in eastern Ontario.

Resident Dean Weiring says the twister damaged the chimney on his house and some windows, but caused no injuries.

The twister, which hit at about 4:30 p.m., also uprooted several trees in the Madoc and Cooper areas.

The O-P-P says the severe weather is headed toward the Tweed-Kaladar area, but there have been no further tornado sightings.

** Environment Canada has issued a tornado warning for southern Hastings and Lennox-and-Addington Counties. (BN,CJTN,CKWF) --- ANB

SEARCH TERMS ENVIRONMENT; CANADA;

INFOMART CUSTOMSEARCH

*** END OF STORY ***

May 5th

ITEM

PUBLICATION Broadcast News
DATE Fri 05 May 2000
SECTION/CATEGORY Ontario-Quebec regional news
STORY LENGTH 101

HEADLINE: Violent Storm

INDEX: Environment

COOPER -- A heavy storm has blasted through a small community in eastern Ontario.

A resident of the Cooper area, north of Madoc, says the storm caused a lot of damage to his parents' home and property at about 4:30 this afternoon.

Dean Waring Junior says the heavy rain, large hail and high winds caused some damage to the home, and some trees were uprooted.

The O-P-P is checking into any other damage caused by the storm, which is heading east towards Kingston.

** Environment Canada has issued a tornado warning for southern Hastings and Lennox-and-Addington Counties. (CJTN) --- MRL

SEARCH TERMS ENVIRONMENT; CANADA;

INFOMART CUSTOMSEARCH

*** END OF STORY ***

The other change to the Ecological Gift Initiative in the 2000 Budget is Environment Canada's new responsibility of verifying the value of gifts under the program. The program changes were discussed and ideas and opinions were solicited from participants on EC's interim and long-term process for verification of the value of gifts. (Nancy Patterson, (416)739-5824)

Quinte Closer to Finalizing Cleanup Targets

Ten stakeholder presentations were the highlight of a public forum designed to gain input on the Bay of Quinte's delisting targets. The one-day event, held at Loyalist College in Belleville on May 4th, was organized by the Bay of Quinte Restoration Council with support from Environment Canada's Restoration Programs Division and Great Lakes Cleanup Fund.

A number of organizations set-up displays and attendees had a chance to talk with the Restoration Council and other stakeholders. A public open house followed that same evening. Information gathered from the forum and open house will now be incorporated by the Restoration Council to finalize its delisting targets for its 5-year business plan, which will be focussed on delisting the Bay of Quinte as an Area of Concern. (Hans Biberhofer, (905)336-4512 / Cliff Evanitski, (905)336-4475)

Great Lakes Water Levels

Great Lakes water levels continue to run well below average. The exception is Lake Ontario where abundant rainfall over the past few weeks coupled with low outflows have raised levels to average. Lakes Michigan-Huron, St. Clair and Erie levels are currently about 30 cm lower than at the same time last year, while Lake Superior's level is about the same as one year ago. Compared to seasonal averages, Lakes Superior, St. Clair and Erie levels are currently about 25 cm below normal while Lakes Michigan-Huron levels are 55 cm lower. The low lake outflows are reducing hydropower generation. Commercial navigation concerns center on Lakes Superior and Michigan-Huron where levels are not expected to rise above chart datum until June, and at the Port of Montreal where levels remain more than a metre below average. Current Great Lakes water levels continue to draw numerous media and citizen inquiries. (Doug Cuthbert, (905)336-4713)

Ontario Welcomes Early Summer Heat

Summer weather arrived in most of Ontario with a bang. On Saturday May 6th, high temperature records were broken throughout the province, including Toronto's standing record, established in 1939. Thirty degree temperatures were reported in Timmins, Earlton, Petawawa, Kaladar, Madoc, Shanty Bay and Toronto. Hot sticky summer weather was reported in most areas all weekend.

After all the hot weather on the weekend a passage of a cold front returned most areas to normal temperature conditions. Rainfall is more frequent - which may be good news for the water levels in some areas.

A confirmed F-0 tornado was reported in the Madoc area on Friday the 5th. Damage was mostly limited to downed trees but a house was reported with some damage. Intense thunderstorms were reported in Southwestern Ontario on the 10th with most damage caused by high winds.

Ontario Region's summer temperature contest stopped taking guesses April 30th, for the dates of the first 30° temperature at Pearson Airport. Some years it takes weeks or months for the contest to

Peter Henderson, Intelligence

613-962-9171 x 28

time: 4:00ish

direction:

detail: S of it
Hazzard's Corner

dark wedge moving east
along, dust & debris

- no rain, white wall to
east, roaring

- looking N, moved E then
S, pushed back by

outflow/mb?

- 10-15 minutes

4 or 5 vertices

- lots of lightning

- no hail

~~no hail~~

OBSERVATIONS MÉTÉOROLOGIQUE

EN SURFACE

A

II OBSERVATIONS HORAIRES											
29	Heure (UTC)	28	Date (UTC)	27	Type	26	Étendue totale	25	Opacité totale	24	Humidité relative %
23	Temp. corr. therm. mouille °C										
JX ET CHANGEMENTS											

ATIONS
SULS

S

→ Don Clark

Bill Holland

Quinte Broadcasting

Belleville - Trenton

613-392-1502

radio

Belleville Intelligence

Derek Baldwin

613-962-9171 x221

Dean Wehring

(613) 473-0917

name? Hilda

4:15 pm

→ tornado
N to E

- storm coming
- windy & loud hail
 - swirling on road
 - v/c screen/window
 - lasted 15 minutes
 - hailing at time
- 50-60 or more trees down
- 1/2 mile S of house
- hail - ~~pit~~ - covered
 - ↳ marbles - quarters
 - ↳ table picked up / hit chimney

