
**Confirmed Tornado
Buckshot Lake, Ontario
August 20, 2009**

Date- Local: Thursday, August 20th, 2009

UTC: Friday, August 21st, 2009

Time- Local: 2145

UTC: 145

Location: Buckshot Lake

Region: Bancroft - Bon Echo

Classification: Confirmed Tornado

Category: C

Casualties: None

Track Length: 2032.85 m

Width: None available

Motion: 208.64

Damage Estimate: None available

F-Scale Rating: F1

Code: TS

Damage Survey: Yes done by Serge Besner

Spotter Reports: None

Other Documents:

Storm damage survey report based off Arnold Ashton's data

Damage survey detailing severity of damage

E-mail from a resident describing what they experienced, and one other detailing path width and approximate time of event.

Tornado F-Scale Assessment

Brad L. Rousseau

Tornado Data Production Assistant, Environment Canada

February 12th, 2010

Classification: Confirmed Tornado

Date: Thursday, August 20th, 2009

Location: Buckshot Lake, Bancroft – Bon Echo

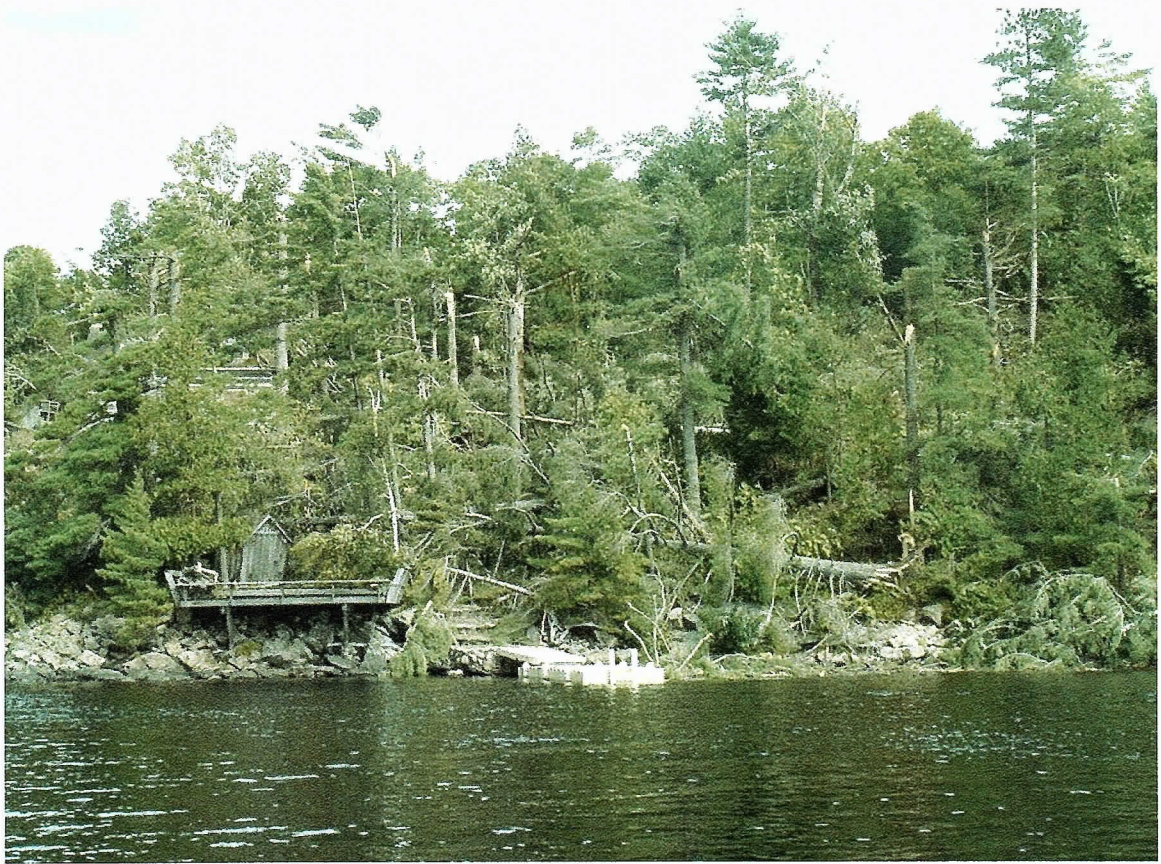
Assessment: F1

F-Code: TS

Explanation of Assessment: Trees snapped and uprooted. Two cottages had trees fall onto them, but they did not sustain much damage.

OSPC Storm Damage Survey Report

| | | |
|--|---|----------------------------|
| Investigators | <i>#1 (Lead) #3</i> | <i>#2 #4</i> |
| Location / Region | <i>Buckshot Lake</i> | <i>Bancroft - Bon Echo</i> |
| Event Date Local / UTC (YYMMDD) | <i>2009-08-20</i> | <i>2009-08-21</i> |
| Event Time Local / UTC | <i>2145</i> | <i>145</i> |
| Severe Weather Event Type | <i>Tornado</i> | |
| Classification | <i>C</i> | |
| F-scale Value | <i>F1</i> | |
| F-scale Code | <i>TS</i> | |
| Start Lat / Long | <i>45.005316</i> | <i>-77.060822</i> |
| End Lat / Long | <i>45.021398</i> | <i>-77.048374</i> |
| Path Length (m) | <i>2032.85</i> | |
| Motion (degrees) | <i>208.64</i> | |
| Max. Path Width (m) | <i>30 (approx.)</i> | |
| Avg. Path Width (m) | <i>15 (approx.)</i> | |
| Human Injuries / Fatalities | <i>0</i> | <i>0</i> |
| Animal Injuries / Fatalities | <i>0</i> | <i>0</i> |
| Damage (\$K) / Source | <i>0</i> | <i>0</i> |
| Damage Description | <i>Trees snapped and uprooted. Two cottages had trees fall onto them, but they did not sustain much damage.</i> | |
| Other Notes | <i>Witness report lots of rain and lightning</i> | |
| Images and Captions | <i>include storm photos, damage photos, maps, etc. below</i> | |





Storm survey damage of Buckshot lake NE of Plevna Ontario coordinates N45 W77-04

September 6, 2009, I took my boat to the NE corner of Buckshot lake to survey the damage that was reported to MSC. The damage reports from the public were accompanied with pictures of damage to a cottage from fallen trees. Pics on FTP site.

I stopped my boat and disembarked at waypoint 006 I observed a path of downed trees. The path was along the shoreline and was approx 10M wide and extended for about 500M along the eastern shoreline. The downed tree sizes ranged from 5cm in diameter to ~.5M in diameter. About 50% were fallen over with their roots and the other 50% were broken either at the trunk or half way up the tree. More than 60% the trees were laying pointing north, about 30% laid pointing NW and about 10% laid pointing West. (see pics [36-37-38-39-40-41-42](#))

I followed the shoreline damage between waypoints 006 and 009 , The damage looked slightly different by the time I arrived at waypoint 009. The width of the damage at waypoint 009 was very narrow at this point and showed;

- less downed trees
- trees that were down were laying mostly to the west and NW as shown in pics [43-44-45-46-47-48](#) .

Then I looked across the water to the west at Craig Island, I did not disembark at this location as it was quit evident what occurred here. The entire anvil shaped portion of the island across the water from waypoint 008 and 009 had a total mish mash of broken trees laying in every direction, see pic [50-51-52-53-54-56-57-58](#) Many of the trees had obviously been tossed significant distances. Many of the trees appeared to have been twisted . We floated over a VERY large tree which was sunk in the middle of the bay (waypoint 010) . This portion of the island had been hit by either a gustnado or tornado of F0/F1 strength.

Just to the north of waypoint 010 only tree top damage could be seen along the shoreline.

I did not stop to take pictures of the cottage that experienced damage from fallen trees as there already are numerous pictures forwarded to us from that site.

****while I was loading my boat back on the trailer, a local from the lake mentioned to me the following;

1. There is a trail for quads which passes about 300 to 400 M north of the shoreline of the damage area. Apparently there is another area of tree damages in there, but did not have a description. It was something he had heard from a fellow cottager who had spoken to some quad riders.

From: Craig Brunetti [mailto:craigbrunetti@trentu.ca]

Sent: Friday, August 28, 2009 9:54 AM

To: McCallum,Lindsay [Ontario]

Subject: Re: Tornado Report

Hi there

I have split the images over 2 emails so I don't overload your inbox. I don't know if it was a tornado or a microburst or just strong winds. If you come to a conclusion, I would appreciate finding out what your opinion is. The event struck on Thursday August 20th around 10pm. That was the big storm that spawned a number of tornado's including the ones in Vaughn. Buckshot Lake is about 10 minutes west of Plevna in Eastern Ontario.

I doubt anybody saw much that night, because it was well after dark when the storm hit with lots of rain/lightning. In addition, most of the cottages are on the south end of the lake. Whereas the damage was in the north part of the lake. All the trees were snapped or blown over pointing towards the North. So the winds must have been coming from south to north. I have included a quick map of the lake and labelled it A,B,C, and D. I have labelled the images using the same lettering so you can see where they originated from. So judging from the way the trees were blown over, it presumably started at point A and moved through B,C, and ended at D. That would be a distance of about 1km. The trees that were blown over were pretty much in a line (see map). Trees just outside of the line were fine. There were 2 cottages in the line of devastation but they didn't appear to have much structural damage, other than from trees falling on them ie so the winds didn't rip the roof off of the buildings. However, trees were snapped off or blown over.

Let me know if you need more info

Craig

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

From: Craig Brunetti [mailto:craigbrunetti@trentu.ca]

Sent: Friday, August 28, 2009 9:58 AM

To: McCallum,Lindsay [Ontario]

Subject: Re: Tornado Report Part II

Here are the remainder of the images.

Again you can see with these images the trees blown over, all aligned in a south to north pattern. Many trees are blow over into the water. In the D image, there was a very narrow line of broken trees, and snapped tree branches leading off at the end of the lake. I suspect this was where the event ended.

The pictures don't do the damage justice. It is really much more impressive when you see it first hand.

Let me know if you need more info or pictures.

Craig

Event Date: August 20th 2009
Location: Buckshot Lake near Plevna
Contact: Bev Whiten
Email: bwhiten@sympatico.ca

BELOW IS A COPY OF THE ORIGINAL EMAIL:

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

From: Bev Whiten [<mailto:bwhiten@sympatico.ca>]
Sent: Wednesday, August 26, 2009 2:50 PM
To: Storm Prediction Centre [Ontario]
Subject: Buckshot lake tornado Aug 20th near Plevna, Ontario

Buckshot lake tornado Aug 20th near Plevna, Ontario

Here is the storm path - about 20-30 meters wide and tracked about a kilometers distance from southwest to northeast. Occurred sometime after 10:30 pm on Thursday August 20th