

Summary Sheet

IDTO - ID Number :694806
 AUTH - Report Author :
 TYFU - Tornado Type & Fuji Code :b2
 TITL - Report Title or Location :Coniston
 PROV - Province :Ontario
 COUN - Counties :Sudbury District
 REFS - References :GM July 21, 1948
 ZOTO - Touchdown Zone Number & Easting :17512100
 NOTO - Touchdown Northing :5147100
 LOVA - Touchdown Error Value & Code :1500c
 DADA - Date of Data Entry :15/06/1990
 ZOLO - Liftoff Zone Number & Easting :
 NOLO - Liftoff Northing :
 UPVA - Liftoff Error Value & Code :
 DEAD - Number of Fatalities :
 HURT - Number of People Injured :1
 HERT - Injuries Code :
 DATA - Date of Tornado :20/07/1948
 DAVA - Date Error Value & Code :
 TITO - Time of Tornado :1415
 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 :
 SAVA - Sample Damage Width Error & Code :
 INTO - Initials :JAM
 DFTO - Detailed Report Flag :n
 JUNK - PRDA & DIMO & DALE :
 CODA - Property Damage Code :5
 MISC - ORDE,PICS_TYPE,PICS_AVAIL,COCO :1 2
 MANY - Multiple Event Flag :n

MEMO:Tornado pushed boxcars into locomotive, steeple on church blown over, garage picked up and dropped eight feet away. Man had neck broken when the tornado rolled the small frame house he was in at the time. Egg-sized hail.

PHEN - Associated Phenomena :a54
 TSHP - Townships :Neelton

JAM, 15/06/1990

B

TORNADO PROJECT SUMMARY SHEET

694806

F=2

1. DATE AND TIME JULY 20, 1948 1415 EDT

2. LOCATION OR PATH (attach map) CONISTON, ONT 0694806

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

4. PATH WIDTH [] 5. TORNADO PART OF SQUALL LINE? YES; NO; UNKNOWN

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.) HAIL, EGGSIZED "OUT OF CLEAR BLUE SKY" NO RAIN

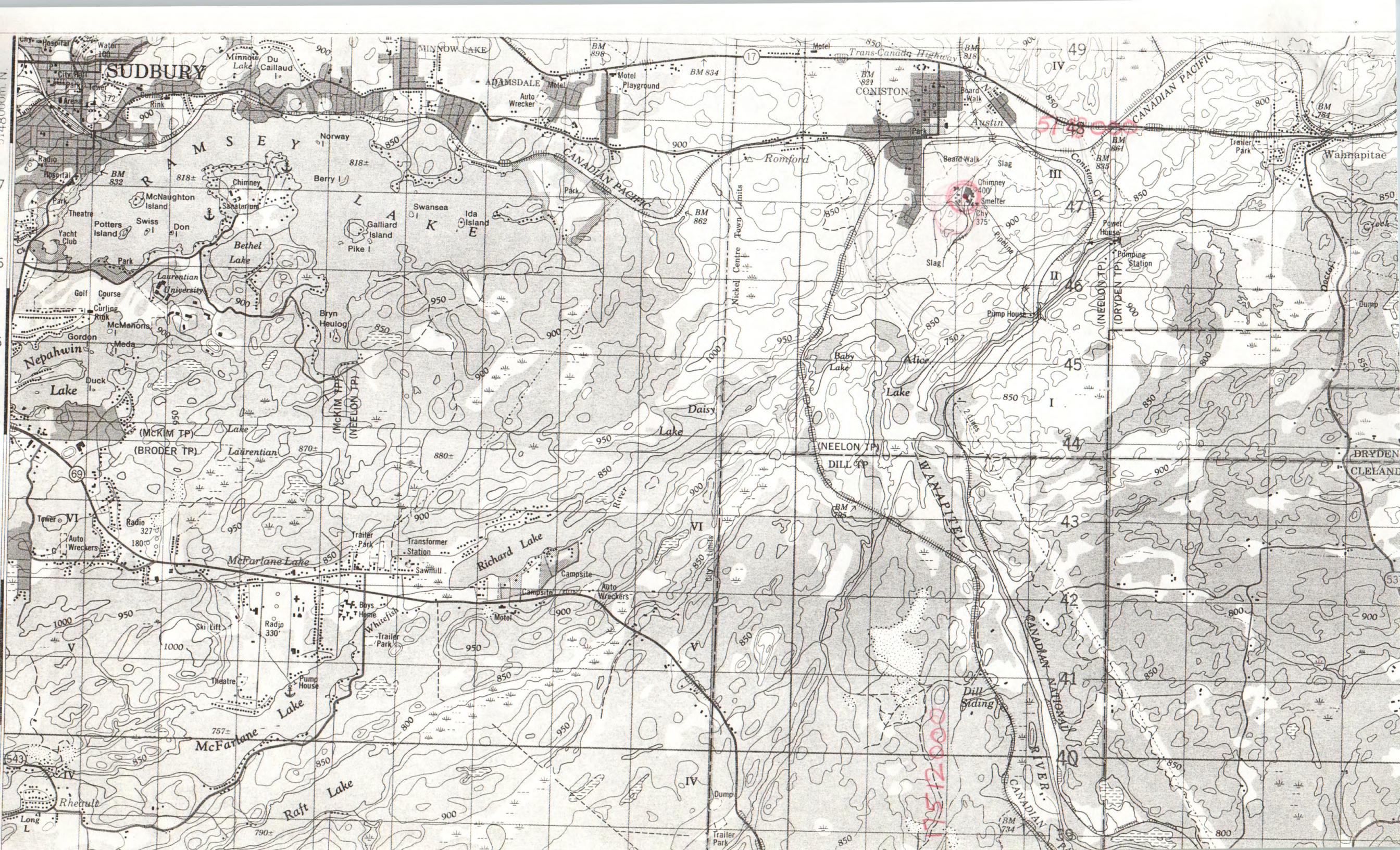
10. TOTAL DAMAGE ESTIMATE \$ MANY THOUSANDS 11. TOTAL DEATHS 0

12. TOTAL INJURED 1 13. TOTAL HOMELESS 3

14. LIST ALL REFERENCES GLOBE & MAIL, WED. JULY 21, 1948

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

- ① Arthur Ethier, engineer for Int. Nickel Co. suffered a broken neck when his house was blown over.
- ② Locomotive was damaged in nearby shunting yard when wind pushed several boxcars into it.
- ③ Steeple of an Anglican church was blown over
- ④ Garage with car inside, picked up and deposited eight feet away



51480500

7512000

WORKSHEET
IDTO

① ORIGIN x 17512100
 y 5147100

⑤ Standard Error S_x
15000

② LIFT-OFF x_1
 y_1

⑥ Standard Error S_y

③ $(x_1 - x) =$

④ $(y_1 - y) =$

⑦ DAMAGE LENGTH

$L = [(x_1 - x)^2 + (y_1 - y)^2]^{1/2}$

⑧ $\alpha = \tan^{-1} \frac{|y_1 - y|}{|x_1 - x|}$

③+④ $\rightarrow r, \theta =$

$x \leftrightarrow y =$

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

⑤+⑥ $\rightarrow r, \theta =$

⑩ $\beta = \frac{\tan^{-1} S_L}{L}$

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

NE Quad $\phi = 90 - \alpha$

SE quad $\phi = 90 + \alpha$

NW Quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

⑪ $\phi =$

GLOBE AND MAIL. WED. JULY 21 1948.
STORM DATE: 2.15 P.M. TUES. JULY 20 1948.

Storm Hits Coniston, Topples House

Coniston, July 20 (Special).—The corrugated iron roof of the International Nickel Co. plant here was ripped off in mid-afternoon by a heavy wind which also picked up a car-laden garage and deposited it eight feet away.

The storm, accompanied by egg-sized hailstones, roared out of a clear blue sky at 2:15, buffeting a small section of near-by Sudbury and uprooting trees in nearly every street of this Northern Ontario mining community.

Most seriously injured was Arthur Ethier, an engineer employed by International Nickel Co., whose small frame house was blown from its foundation, rolled over three times and smashed to the ground.

In hospital tonight, Mr. Ethier is believed to have a broken neck. He was in bed when the wind struck and was still wrapped in blankets when he was pulled from the wreckage a short time later.

A CPB locomotive, in the local shunting yards, was damaged when the wind sent several boxcars smashing into it. The cars were being pushed by a smaller engine when the wind tore them loose and sent them speeding down the tracks.

For the second time in three years, the steeple of the Anglican Church was torn off and sent crashing into First Ave.

The garage, owned by James Norquay, was blown into the air when the foundation snapped, but a new car inside was barely scratched. Carried eight feet, the structure was set down right-side-up.

The work of Wilfred Leduc was interrupted when the storm reached

the house he was building. The doors and windows had not yet been installed and the wind flattened all walls and carried piles of lumber 100 yards. Mr. Leduc was just starting to put on a roof.

Although the main damage was concentrated here, sign boards were torn down along Elm St. in Sudbury and blocked water mains on Durham St. caused the water to flow into several yards. At one point during the 15-minute blow, the water reached a depth of three feet.

There was little flooding here because of deep, uncovered sewers along the streets. Most of the trees planted by International Nickel Co., however, were uprooted in the wind.

Primo and Bruno Venturi, proprietors of a clothing and grocery business, were forced to close for the week when the roof was ripped from their two-story building. The brothers occupied an apartment upstairs.

New Liskeard, July 20 (Special).

—A smashing hailstorm which swept in from the west this afternoon, did extensive damage to market gardens between here and Cobalt. During the 10 minutes which the storm lasted before it swept out over Lake Temiskaming, hailstones, some of them nearly an inch in diameter, beat crops into the ground. Several vegetable gardens in the area were a complete loss.

Edwin Bradley estimated that the storm cost him \$1,000. Another heavy loser was Kenneth White. Most flower gardens in New Liskeard were wiped out. The storm

which followed a path about 10 miles wide, first struck just a mile or so west of New Liskeard and swept in the southeasterly direction.