A

TORNADO PROJECT SUMMARY SHEET

F=1

1. DATE AND TIME Tues. Sept 21 '65 about 3:15 AST

2. LOCATION OR PATH (attach map) Tinkertown Maine – California Settlement NB.

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

4. PATH WIDTH 200 ft 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

10. TOTAL DAMAGE ESTIMATE $ 50,000 11. TOTAL DEATHS 0

12. TOTAL INJURED 0 13. TOTAL HOMELESS several

14. LIST ALL REFERENCES

Cape Breton Post

Sept 22 + 23 '65

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

- storm zig-zagged along a path 200 ft wide
- Storm destroyed and uprooted homes, smashed barns and sheds, flattened hydro and telephone pole.
- one man treated and released from hospital after being cut from flying glass. (may be other tornado)
- N.B. government conducted a study into the storm.

WORKSHEET

IDTO 04965-01

① ORIGIN x 19593000

y 5194000

② LIFT-OFF x_1 19594500

y_1 5192500

③ $(x_1 - x)$ = 1500

④ $(y - y_1)$ = 1500

⑤ Standard Error S_x

0 = 1000

⑥ Standard Error S_y

0 = 1000

⑦ DAMAGE LENGTH

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

③+④ [→r,θ] = 2121

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

[x↔y] = 45

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

⑤+⑥ [→r,θ] = 1414

⑩ $\beta = \frac{\tan^{-1} S_L}{L}$

⑦+⑨ [→r,θ] [x↔y] = 34

NE Quad $\phi = 90 - \alpha$

NW Quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

⑪ ϕ = 315°

Cape Breton Post: Sept 22 '65 tornado ?
Storm Date: Tuesday Sept. 21 '65

Freak Rain, Hail Storm

MEDFORD, N.B. (CP) — A freak rain and hail storm packing gale force winds struck this small Victoria County community Tuesday, damaging and destroying homes, uprooting trees and cutting communications.

One person was reported injured in the storm which left a path of destruction 200 feet wide from California Settlement on the Maine-New Brunswick border to Medford, about 10 miles to the east.

The winds hit here about 4:15 p.m. and subsided three minutes later.

Several homes disappeared during the storm. Others were made uninhabitable.

BLOWS BARN AWAY

A barn and garage were blown away on the farm of Henry Baker. The roof of the [illegible] home was lifted, a granary, poultry house and several sheds destroyed and a potato [illegible] damaged. A car and [illegible] on the property were also damaged.

Wilmot Baker, 28, was [illegible] in hospital at [illegible] 15 [illegible] north of [illegible] for [illegible] [illegible] glass.

[illegible] Mrs. Turney Merritt reported watching their barn flattened as a pick-up truck turned end over end in the yard, finally coming to rest on the barn wreckage. Their home was moved three feet off its foundation and all of its windows were broken.

Electricity was restored to the area about four hours after the storm struck. Telephone communications were still out late Tuesday night.

Illie Rioux of Grand Falls, N.B., a spokesman for the New Brunswick Electric Power Commission, said the storm's path "lay approximately 10 miles south of Grand Falls and it was heading east-southeast when it appeared to die at Medford. Our reports indicated that it never came to life again."

A transport department weather office spokesman in Saint John, N.B., said storms of this type are caused by cumulonibus cloud formations—heavy thunderstorm clouds which cause hail, rain and severe winds in a small area. Activity in connection with such storms often reaches heights of 30,000 to 40,000 feet, he said.

Cape Breton Post Sept 23 '65 Tornado?

Storm Date: Tuesday Sept 21 '65

Gale Damage Is Assessed

MEDFORD, N.B. (CP)—Civil defence officials from Fredericton Wednesday began assessing damage unofficially estimated at more than $100,000 in the wake of a brief [illegible] gale that swept through a seven-mile area of western New Brunswick Tuesday.

J. A. Murray arrived on the scene early Wednesday to survey the damage. He was joined Wednesday night by J. A. Laidlaw, assistant director of civil defence for New Brunswick.

Municipal Affairs Minister Norbert Theriault said their findings are to be studied by the provincial government.

The gale, which lasted only three minutes in most areas it struck, crossed into New Brunswick from California Settlement on the Maine-New Brunswick border. Before it suddenly died, it had destroyed and uprooted homes, smashed barns and sheds and flattened hydro and telephone poles.

Wilson Baker, 28, was taken to hospital after being injured

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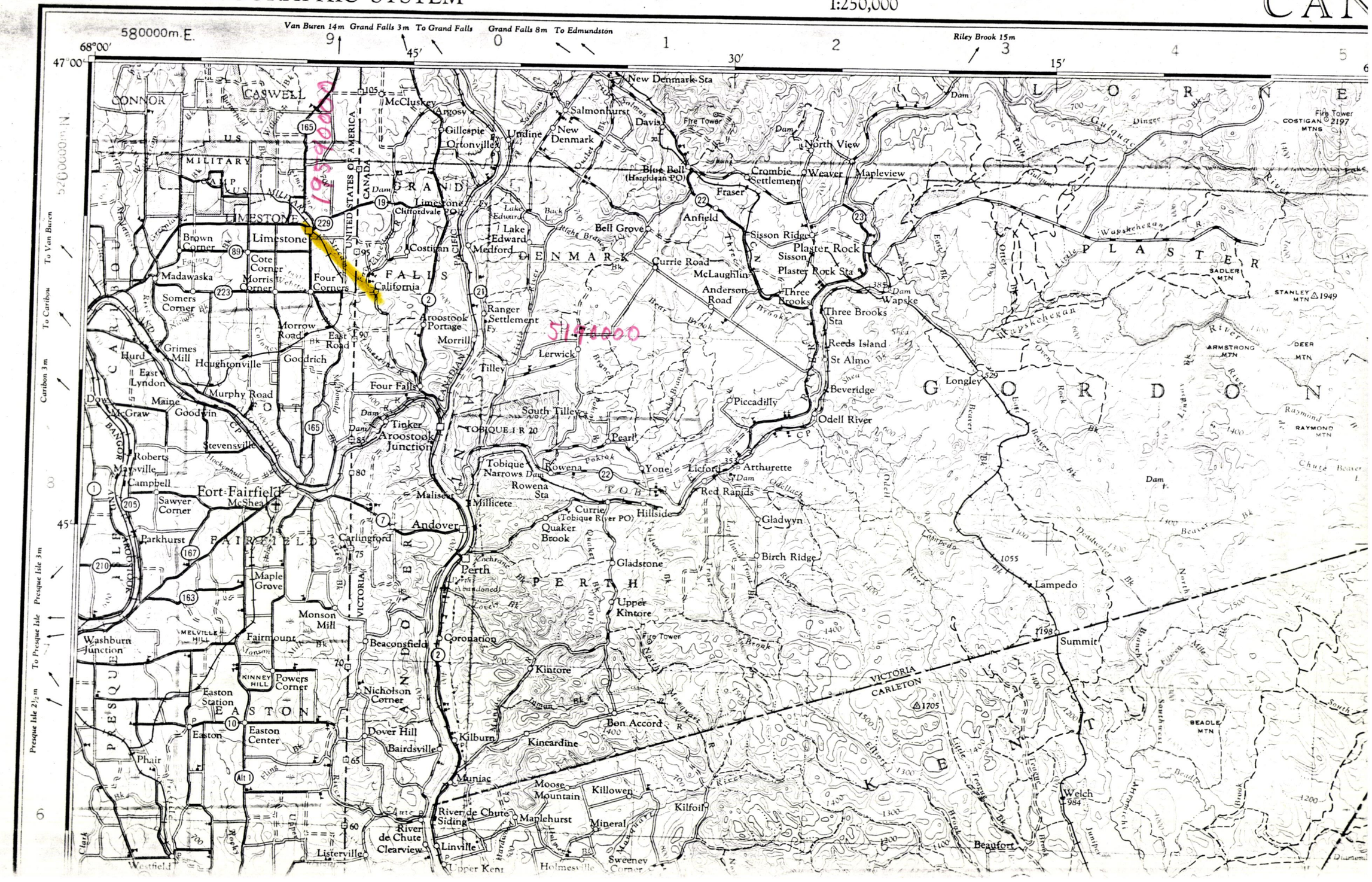
at the home of his parents here. He was treated for cuts received from flying glass and later released.

After creating minor damage in Limestone, Mr., the winds ripped into a series of small communities — California Settlement, Limestone Siding, Portage Road and finally Medford. All are 12-15 miles south of Grand Falls, N.B.

The storm zig-zagged along a path about 200 feet wide before it died here. It was accompanied by rain and hail.

Electricity and communications were knocked out for more than four hours.

Weather office spokesmen said the storm was caused by heavy thunderstorm clouds which bring hail, rain and severe winds in a small area.


NATIONAL TOPOGRAPHIC SYSTEM
1:250,000
580000m.E.
68°00'
47°00'
45'
30'
15'
Van Buren 14m
Grand Falls 3m
To Grand Falls
Grand Falls 8m
To Edmundston
Riley Brook 15m
To Van Buren
To Caribou
To Presque Isle
Caribou 3m
Presque Isle 3m
Presque Isle 2½m
5240000m.N.
5194000
CONNOR
CASWELL
McCluskey
Argosy
Gillespie
Ortonville
Undine
New Denmark
New Denmark Sta
Salmonhurst
Davis
North View
Blue Bell
(Hazeldean PO)
Crombie
Settlement
Weaver
Mapleview
Fraser
Anfield
Bell Grove
Sisson Ridge
Plaster Rock
Sisson
Plaster Rock Sta
Currie Road
McLaughlin
Anderson
Road
Three
Brooks
Three Brooks
Sta
Wapske
Dam
Limestone
Clifford
Lake
Edward
Medford
Costigan
California
Brown
Corner
Cote
Corner
Morris
Corner
Four
Corners
Madawaska
Somers
Corner
Morrow
Road
East
Road
Goodrich
Houghtonville
Grimes
Mill
Hurd
East
Lyndon
Maine
Murphy Road
Goodwin
McGraw
Dow
Four Falls
Aroostook
Portage
Morrill
Ranger
Settlement
Fy.
Lerwick
Tilley
South Tilley
Tinker
Aroostook
Junction
TOBIQUE I R 20
Tobique
Narrows Dam
Rowena
Rowena
Sta
Pearl
Yone
Licford
Arthurette
Dam
Red Rapids
Hillside
Currie
(Tobique River PO)
Quaker
Brook
Millicete
Maliseet
Andover
Carlingford
Perth
(Perth
abandoned)
Gladstone
Upper
Kintore
Fire Tower
Coronation
Kintore
Beaconsfield
Nicholson
Corner
Dover Hill
Bairdsville
Kilburn
Kincardine
Bon Accord
Muniac
Moose
Mountain
Killowen
Kilfoil
River de Chute
Siding
Maplehurst
Mineral
River
de Chute
Clearview
Linville
Listerville
Upper Kent
Holmesville
Sweeney
Corner
Piccadilly
Beveridge
Odell River
Reeds Island
St Almo
Longley
Gladwyn
Birth Ridge
Lampedo
Summit
Welch
Beaufort
Roberts
Maysville
Campbell
Sawyer
Corner
Fort Fairfield
McShea
Parkhurst
Maple
Grove
Monson
Mill
Fairmount
Washburn
Junction
Powers
Corner
Easton
Station
Easton
Easton
Center
Phair
Stevensville
Dow
Air Force Base
Limestone
Military
Camp
U.S.
Military
Reservation
Boundary
Line
Fire Tower
COSTIGAN
MTNS
2197
STANLEY
MTN
1949
SADLER
MTN
ARMSTRONG
MTN
DEER
MTN
RAYMOND
MTN
BEADLE
MTN
1198
1055
1705
984
1198
1055
1705
1949
2197
CARLETON
VICTORIA
MADAWASKA
RESTIGOUCHE
GLOUCESTER
NORTHUMBERLAND
YORK
SUNBURY
QUEENS
KINGS
WESTMORLAND
ALBERT
CUMBERLAND
CARIBOU
FORT
FAIRFIELD
EASTON
PERTH
ANDOVER
GRAND
FALLS
DENMARK
PLASTER
ROCK
GORDON
CANADA
UNITED STATES OF AMERICA
CANADIAN PACIFIC
BANGOR
AROOSTOOK
VICTORIA
MELVILLE
HILL
KINNEY
HILL
Tobique River
Quaker Brook
Odell
Beaver
Brook
Deadwater
Lampedo
Little
Tobique
River
Wapskehegan
River
Little
Wapskehegan
River
Gulquac
River
Dinger
Brook
Shea
Brook
Three
Brooks
Brook
Bear
Brook
Right
Branch
Back
Lake
Edward
Little
Tobique
River
Tobique
River
Trout
Brook
Lovell
Brook
Monson
Brook
Ferguson
Brook
Monquart
Brook
Elliott
Brook
Little
Tobique
River
Tobique
River
Little
Wapskehegan
River
Wapskehegan
River
Big
Brook
Beaver
Brook
Chute
Brook
Beaver
Brook
Beaver
Brook
Beaver