A

TORNADO PROJECT SUMMARY SHEET

F=0

1. DATE AND TIME Friday Aug 20 '71 about 18:00 AST

2. LOCATION OR PATH (attach map) Bloomfield N.B.

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

4. PATH WIDTH 144m 5. TORNADO PART OF SQUALL LINE? ☐ YES; ☐ NO; ☐ UNKNOWN

6. ANY UNUSUAL COLORATION? ☑ YES; ☐ NO; ☐ UNKNOWN Black

7. ANY UNUSUAL SOUND? ☑ YES; ☐ NO; ☐ UNKNOWN

8. IF ANSWER TO 6 OR 7 YES, ELABORATE; Lead a "big roar"

9. LIST ANY ASSOCIATED PHENOMENA (Such as hail, vivid lightning heavy rain, no rain, etc.)

10. TOTAL DAMAGE ESTIMATE $6000 11. TOTAL DEATHS 0

12. TOTAL INJURED 0 13. TOTAL HOMELESS 0

14. LIST ALL REFERENCES

Fredricton Gleaner: Aug 23 '71

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

- described as a roaring black twister
- twister hit a machine shed and tore it all to pieces, four trucks in the machine shed were unscathed.
- two truck vans in a field were damaged

Fredericton Gleaner: Aug 23 '71
Storm Date: Friday August 20 '71

tornado

Twister Smashes N.B. Area

WOODSTOCK—Potato farmer James Jewett is still cleaning up today after a roaring, black twister scooped up his large machine shed Friday night and just missed his farmhouse.

Mr. Jewett, a 59-year-old farmer at nearby Upper Bloomfield, said he has "never seen anything like it" as the twister hit about 7 p.m.

"I was in the potato house and I didn't dare head to the house," said Mr. Jewett. "All you could hear was a big roar as it came along the road, smashing trees."

He said it descended on his 300-acre farm at a speed of about 20 miles an hour. It was about 30 rods wide.

"It just hit the machine shed and tore it all to pieces. The roof flew about five rods and part of the rest was scattered all over for about 150 yards."

He said the twister ripped off two truck vans in the field but left four trucks in the machine shed almost unscathed. Damage to the shed was about $4,000 while the vans were valued at $1,000.

Within two minutes of hitting, the twister blew over.

"Scared?" said Mr. Jewett. "I should say. When you see something like that coming to your buildings, you're scared alright."

WORKSHEET

IDTO 04971-01

① ORIGIN x 19.596500

y 5128000

⑤ Standard Error S_x

0 = 1500

② LIFT-OFF x_1

y_1

⑥ Standard Error S_y

③ $(x_1 - x)$ =

④ $(y - y_1)$ =

⑦ DAMAGE LENGTH

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

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

③+④ $\boxed{\rightarrow r, \theta}$ =

$\boxed{x \leftrightarrow y}$ =

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

⑤+⑥ $\boxed{\rightarrow r, \theta}$ =

⑩ $\beta = \dfrac{\tan^{-1} S_L}{L}$

⑦+⑨ $\boxed{\rightarrow r, \theta}$

$\boxed{x \leftrightarrow y}$ =

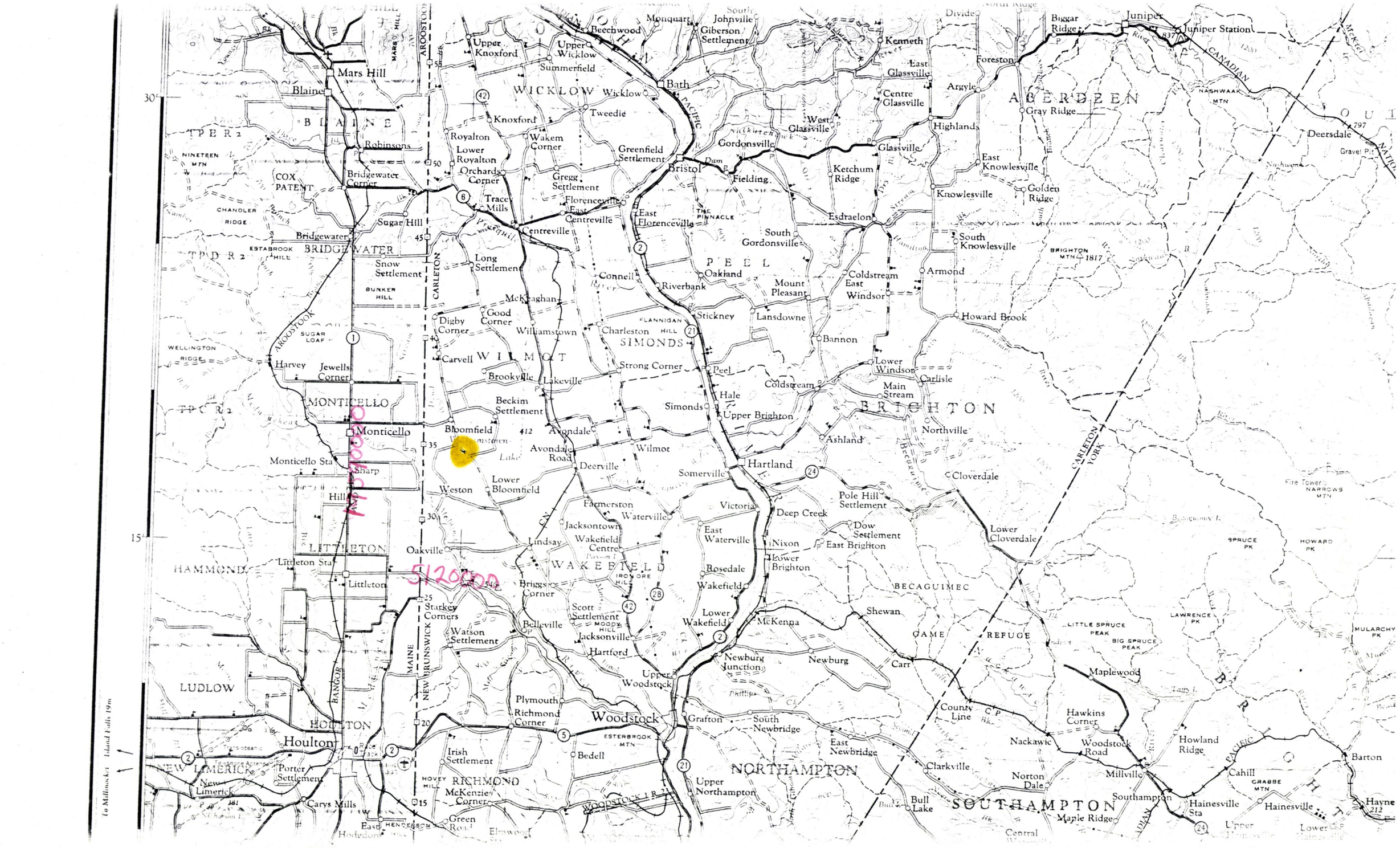
NE quad $\phi = 90 - \alpha$

NW quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

⑪ ϕ =


Mars Hill
Blaine
Upper Knoxford
Upper Wicklow
Summerfield
Beechwood
Monquart
Johnville
Giberson Settlement
Kenneth
Biggar Ridge
Juniper
Juniper Station
Foreston
East Glassville
Centre Glassville
West Glassville
Argyle
Highlands
Gray Ridge
ABERDEEN
Deersdale
Gravel Pit
Bath
WICKLOW
Wicklow
Tweedie
Knoxford
Royalton
Lower Royalton
Orchards Corner
Wakem Corner
Greenfield Settlement
Gordonsville
Bristol
Fielding
Glassville
Ketchum Ridge
East Knowlesville
Knowlesville
Golden Ridge
Robinsons
Bridgewater Corner
COX PATENT
Tracey Mills
Florenceville
East Florenceville
Centreville
Gregg Settlement
THE PINNACLE
Esdraelon
South Gordonsville
South Knowlesville
BRIGHTON MTN 1817
Sugar Hill
Bridgewater
BRIDGEWATER
Snow Settlement
Long Settlement
Connell
Oakland
Riverbank
PEEL
Mount Pleasant
Coldstream East
Windsor
Armond
Howard Brook
McKeaghan
Digby Corner
Good Corner
Williamstown
Charleston
SIMONDS
Stickney
Lansdowne
Bannon
Carvell
WILMOT
Strong Corner
Peel
Lower Windsor
Carlisle
Harvey
Jewells Corner
Brookville
Lakeville
Coldstream
Main Stream
Hale
Simonds
Upper Brighton
BRIGHTON
MONTICELLO
Monticello
Bloomfield
Avondale
Beckim Settlement
Avondale Road
Wilmot
Deerville
Northville
Ashland
Monticello Sta
Sharp Hill
Lower Bloomfield
Weston
Somerville
Hartland
Cloverdale
Pole Hill Settlement
Farmerston
Waterville
Victoria
Deep Creek
Jacksontown
Lindsay
Wakefield Centre
East Waterville
Nixon
Dow Settlement
East Brighton
Lower Brighton
Lower Cloverdale
LITTLETON
Littleton Sta
Littleton
Oakville
WAKEFIELD
Rosedale
Wakefield
Briggs Corner
Starkey Corners
Scott Settlement
Belleville
Jacksonville
Watson Settlement
Hartford
Lower Wakefield
McKenna
Shewan
BECAGUIMEC
GAME REFUGE
Newburg Junction
Newburg
Carr
Upper Woodstock
Maplewood
LUDLOW
HOULTON
Houlton
Plymouth
Richmond Corner
Woodstock
Grafton
South Newbridge
East Newbridge
County Line
Hawkins Corner
Nackawic
Woodstock Road
Howland Ridge
Barton
Irish Settlement
Bedell
Porter Settlement
NEW LIMERICK
New Limerick
Clarkville
Norton Dale
Millville
Cahill
NORTHAMPTON
Upper Northampton
RICHMOND
McKenzie Corner
Carys Mills
Green Road
Bull Lake
SOUTHAMPTON
Maple Ridge
Southampton
Hainesville Sta
Hainesville
Upper
Lower
Elmwood
Woodstock Jct
To Millinocket
Island Falls 19m
Mt Pleasant
5/20/00