A ✓ TORNADO PROJECT SUMMARY SHEET F=0

1. DATE AND TIME Fri Aug 15 '80 Appx 4pm AST

2. LOCATION OR PATH (attach map) Strathgartney P.E.I. 0298001

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

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.) thunderstorms

10. TOTAL DAMAGE ESTIMATE $ 4 11. TOTAL DEATHS 0

12. TOTAL INJURED 0 13. TOTAL HOMELESS 0

14. LIST ALL REFERENCES

Charlottetown Guardian, P.E.I.
Aug 16 '80

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

- damage area extended from Strathgartney to North Wiltshire
- mailboxes blown down, trees uprooted, corn fields flattened, mobile home lifted off its blocks.
- witness saw "a thick thick dark cloud" reminded her of the severe hail storm experienced a few years ago

WORKSHEET

IDTO 0298001

① ORIGIN $x$ 20474000

$y$ 5123000

⑤ Standard Error $S_x$

0 = 2000

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 $\phi$ =

Tornado PEI.

Storm Date: Friday Aug 15 '80

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Charlottetown Guardian, P.E.I.
Circ. 17,210
August 16, 1980
CANADIAN PRESS CLIPPING SERVICES

# Twister Strikes Strathgartney

Friday afternoon's weather disposition brought more than thunder, lightning and rain, it brought a tornado.

A "twister", "mild hurricane" or "small hurricane" as it has been variously described hit the area of Strathgartney extending to the North Wiltshire region with mailboxes being blown down, trees uprooted, cornfields flattened and a mobile home lifted off its blocks. Visibility through residence windows was impossible!

Mrs. Brendon Costello, of Greenwood road, in the Strathgartney district said the storm began at approximately 5 p.m. exhibiting a "thick, thick dark cloud" that came closer with thunder and lightning.

"The whole thing let go at once with heavy lightning, rain and winds" Mrs. Costello said. "The power blinked but didn't go out, though we were all sitting waiting for it to," he said.

Mrs. Costello said it reminded her of the severe hail storm several Island regions experienced a few years ago.

Jim Spears of the Charlottetown Weather Office said the storm was in actuality a tornado. The storm is "associated with thunderstorms" Mr. Spears said, and can develop enough to do considerable damage.

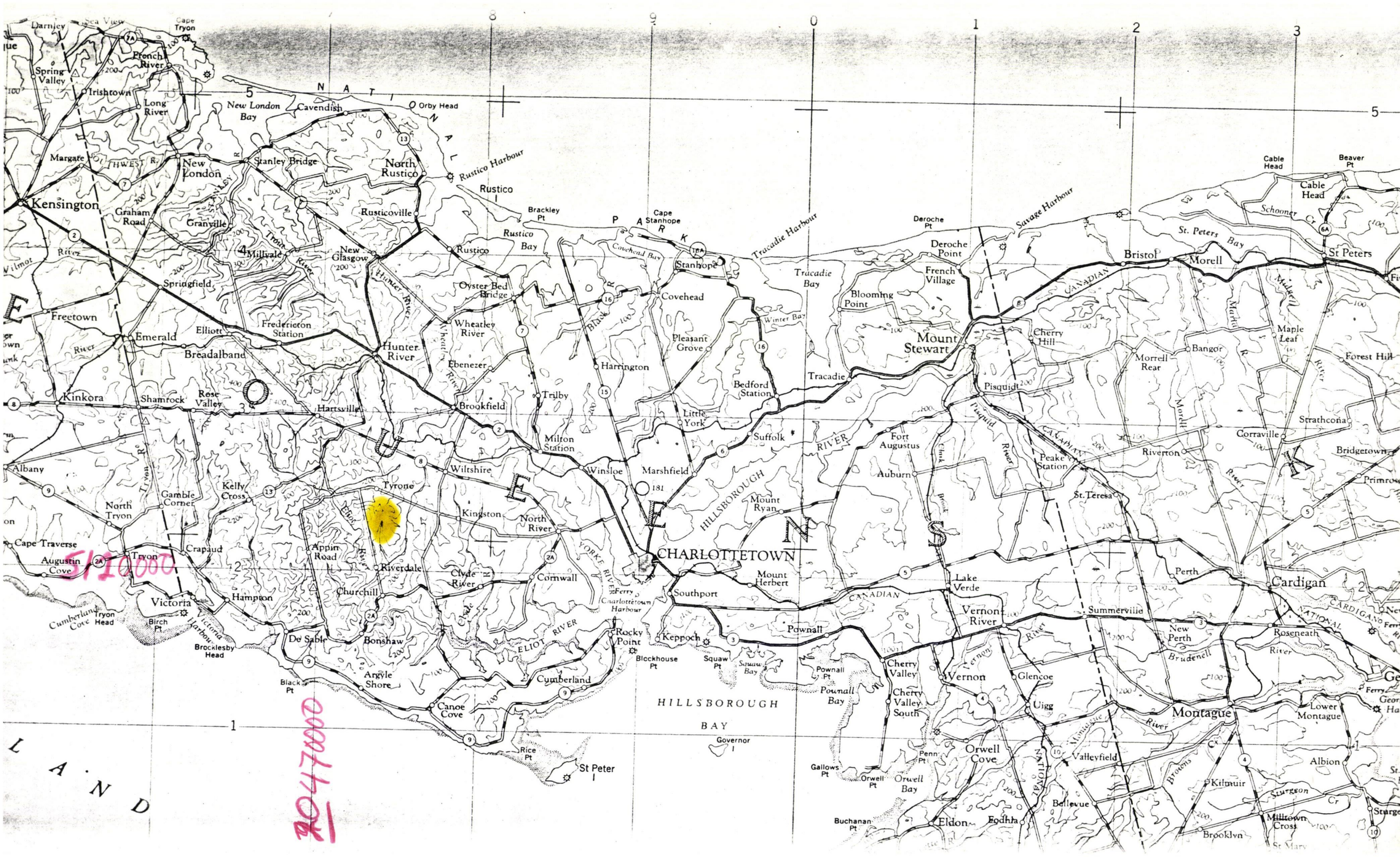
"This one would not have been very well developed and it would have been referred to as a twister or small hurricane."

What happens is a water spout in the Northumberland strait comes inland. Rather than draw dirt and debris it draws water from the strait. Mr. Spears said a few spouts have been reported in this area in the last few years.

Most of the time the base of the tornado will lift high enough so as to pass over most objects.

"If it doesn't descend close enough to the earth's surface it would not be visible and therefore go unnoticed," Mr. Spears said.

"The tornados can range in size from only a few metres in width to a mile for a large one" the meteorologist explained.


Darnley
Cape Tryon
French River
Spring Valley
Irishtown
Long River
New London Bay
Cavendish
Orby Head
NATIONAL
Margate
NEW LONDON R.
New London
Stanley Bridge
North Rustico
Rustico Harbour
Rustico
Kensington
Graham Road
Granville
Rusticoville
Brackley Pt
Cape Stanhope
PARK
Deroche Pt
Savage Harbour
Tracadie Harbour
Cable Head
Beaver Pt
Schooner Cr
St. Peters Bay
St Peters
Millvale
New Glasgow
Rustico Bay
Covehead Bay
Stanhope
Deroche Point
Bristol
Morell
Springfield
Oyster Bed Bridge
Covehead
Tracadie Bay
French Village
Blooming Point
CANADIAN
Freetown
Emerald
Elliott
Fredericton Station
Wheatley River
Pleasant Grove
Winter Bay
Mount Stewart
Cherry Hill
Maple Leaf
Forest Hill
Breadalbane
Hunter River
Ebenezer
Harrington
Tracadie
Morrell Rear
Bangor
Kinkora
Shamrock
Rose Valley
Hartsville
Brookfield
Trilby
Bedford Station
Pisquid
Strathcona
Albany
Milton Station
Little York
Suffolk
Fort Augustus
Corraville
Riverton
Bridgetown
Wiltshire
Winsloe
Marshfield
Auburn
Peake Station
Gamble Corner
Kelly Cross
Tyrone
Mount Ryan
St. Teresa
North Tryon
Kingston
North River
HILLSBOROUGH
Cape Traverse
Crapaud
Appin Road
CHARLOTTETOWN
Augustin Cove
Tryon
Riverdale
Mount Herbert
Lake Verde
Perth
Cardigan
Victoria
Hampton
Churchill
Clyde River
Cornwall
Ferry Charlottetown Harbour
Southport
Vernon River
Summerville
Cumberland Cove
Tryon Head
Birch Pt
Victoria Harbour
Brocklesby Head
De Sable
Bonshaw
ELIOT RIVER
Rocky Point
Keppoch
Blockhouse Pt
Squaw Pt
Squaw Bay
Pownall
New Perth
Roseneath
Black Pt
Argyle Shore
Cumberland
Pownall Pt
Pownall Bay
Cherry Valley
Vernon
Glencoe
Canoe Cove
Cherry Valley South
Uigg
Montague
Lower Montague
HILLSBOROUGH BAY
Governor I
Rice Pt
St Peter I
Penn Pt
Orwell Cove
Valleyfield
Albion
Gallows Pt
Orwell Pt
Orwell Bay
Kilmuir
Bellevue
Buchanan Pt
Eldon
Fodhla
Milltown Cross
Brooklyn
St Mary
L A N D