A ✓

TORNADO PROJECT SUMMARY SHEET

1. DATE AND TIME: Sunday Sept 28th 1980 between 6 and 6:30 Local

2. LOCATION OR PATH (attach map): Cape Traverse P.E.I. 0298003

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

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 and hail was reported elsewhere

10. TOTAL DAMAGE ESTIMATE $ 4000 11. TOTAL DEATHS 0

12. TOTAL INJURED 0 13. TOTAL HOMELESS 0

14. LIST ALL REFERENCES

Halifax Chronicle Herald Sept 30 '80

Summerside Journal-Pioneer, Sept 29 '80

Charlottetown Patriot, Sept 28 '80

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

- boat carried 15 meters from shore
- garage damaged, flying garage door may have hit the house since windows were smashed.
- resident said "it was like something came and hit the place.
- waterspouts had been seen by ~~C~~N Marines ferries
- 20,000 pound oil tanker, blown over

Government of Canada / Gouvernement du Canada

ACTION REQUEST / **FICHE DE SERVICE**

To — À	File No. — Dossier N°
CCAI, Attn. M. Newark	Date 2/10/80

From — De

MAES

☐ Please call / Prière d'appeler	Tel. No. — N° de tél.	Ext. — Poste

☐ Returned your call / Vous a rappelé	☐ Will call again / Vous rappellera	☐ Wants to see you / Désire vous voir

Date	Time — Heure	Message received by / Message reçu par

☐ Action / Donner suite	☐ Approval / Approbation	☐ Note & return / Noter & retourner
☐ Comments / Commentaires	☐ Draft reply / Projet de réponse	☐ Note & forward / Noter et faire suivre
☐ As requested / Comme demandé	☐ Signature	☐ Note & file / Noter et classer

For your info -

WORKSHEET

IDTO 02980-03

① ORIGIN x 20.450500

y 5121000

⑤ Standard Error S_x

$O = 500$

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 $\phi = 90 - \alpha$

SE quad $\phi = 90 + \alpha$

NW Quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

⑪ $\phi =$

THE CHRONICLE HERALD SEPTEMBER 30/80

P.E.I. twister smashes fisherman's boat, home

CAPE TRAVERSE, P.E.I. (CP) — Ed Clow hauled his fishing boat up onto his yard last Thursday thinking it would be safer than leaving it in the water at the Cape Traverse wharf. He could hardly have been more wrong.

A freak tornado Sunday night carried it 15 metres closer to his mobile home, dropped it on its side and collapsed a garage on top of it. The home also was damaged.

Cape Traverse is about 15 miles east of Summerside.

Mr. Clow's wife, Dora, was alone at the time and recalls that when the storm struck "it was just like something came and hit the place."

Glass from three shattered kitchen windows flew into the livingroom. A hole was torn in the bathroom wall and a window there smashed out.

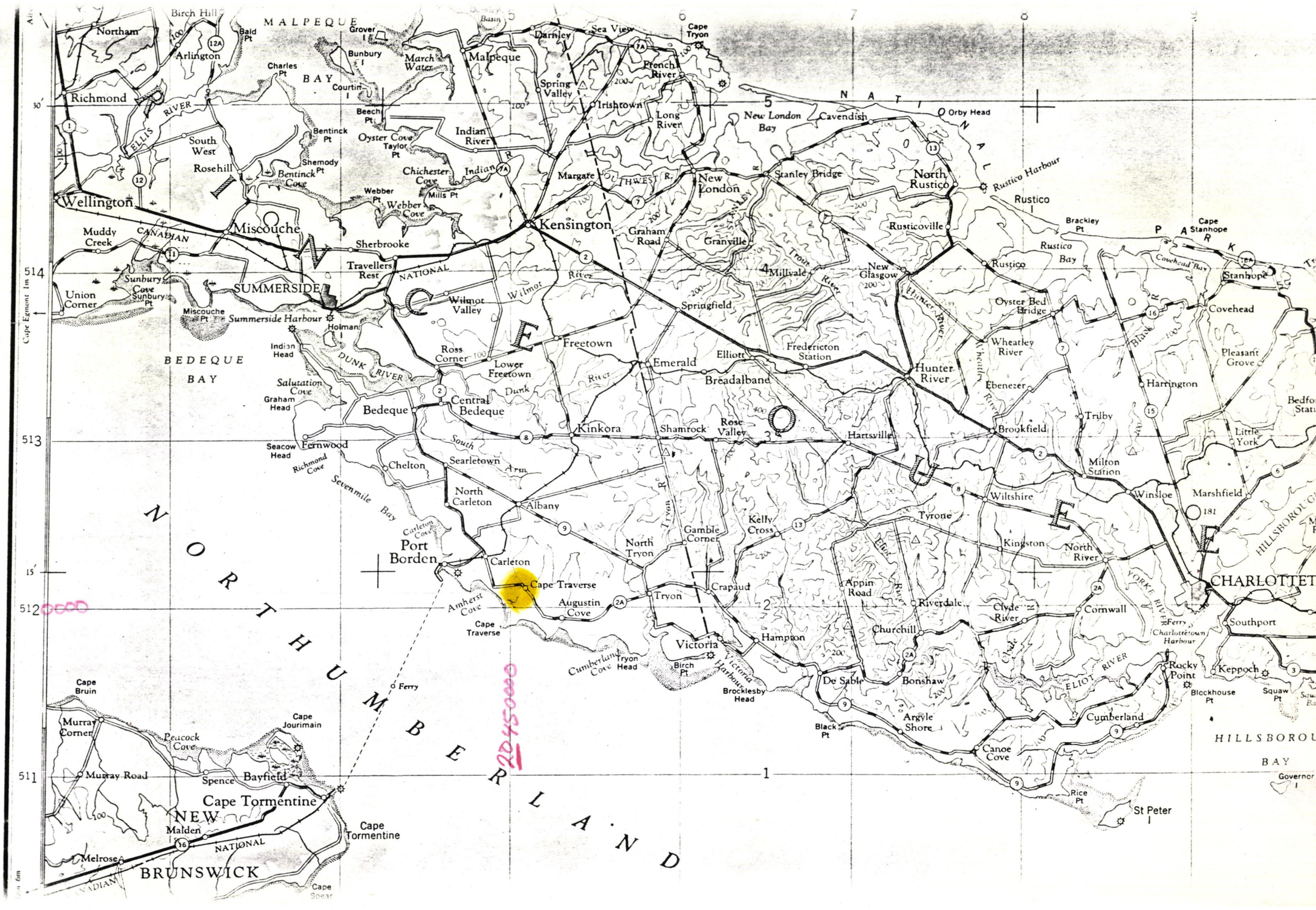
The Clows suspect that a flying garage door smashed against that side of the home.

The garage, filled with fishing gear, was blown about three metres before colliding with the boat.

A three-metre dory owned by Clow disappeared from the shoreline during the storm.

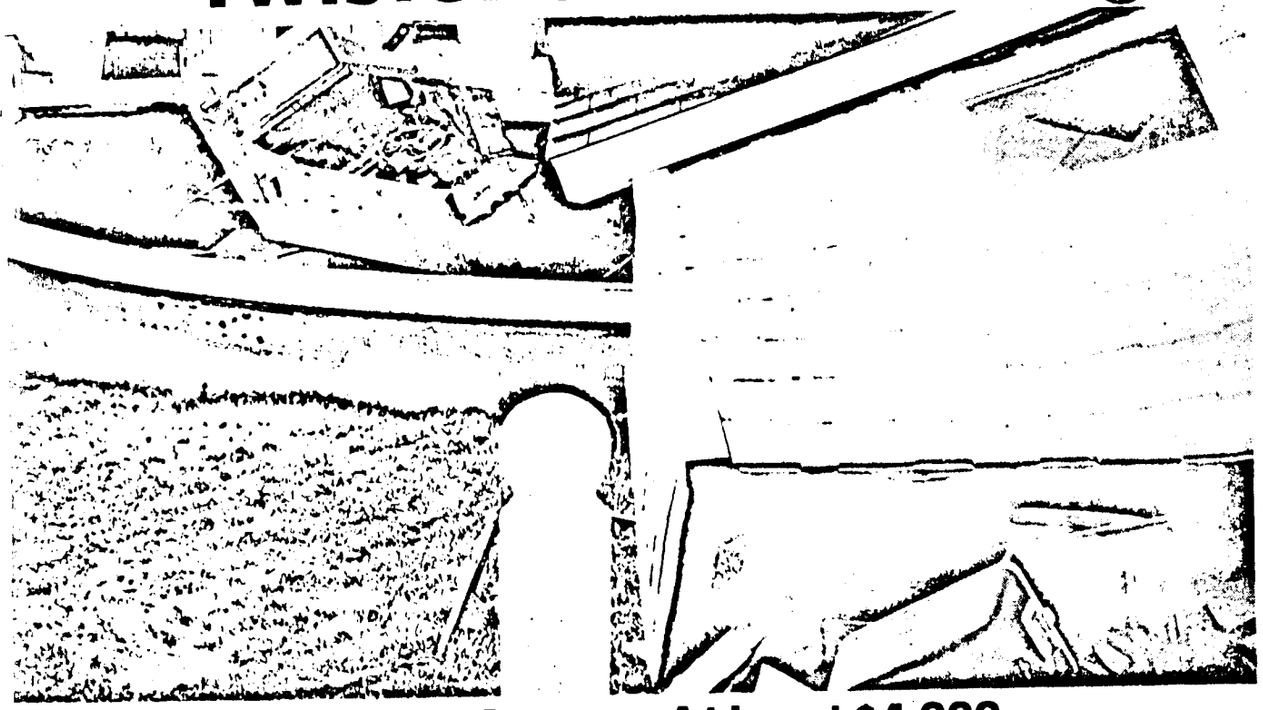
The tornado apparently came ashore from the Northumberland Strait where several waterspouts — tornadoes over water — were spotted and avoided by CN Marine ferries.

Throughout the area, there were reports of thunderstorms and hail. A small twister was reported in the same part of the province Sept. 10 but only minor damage was caused.



MALPEQUE BAY
Birch Hill
Northam
Arlington
Bald Pt
Grover I
Bunbury I
March Water
Malpeque
Darnley
Sea View
Cape Tryon
French River
Spring Valley
Irishtown
Long River
Richmond
Charles Pt
Courtin I
Beech Pt
Oyster Cove
Taylor Pt
Indian River
Bentinck Pt
South West
Rosehill
Shemody Pt
Bentinck Cove
Chichester Cove
Indian R
Margate
Webber Pt
Webber Cove
Mills Pt
Wellington
Miscouche
Kensington
Muddy Creek
CANADIAN
Sherbrooke
Travellers Rest
NATIONAL
Union Corner
Sunbury Cove
Sunbury Pt
SUMMERSIDE
Miscouche Pt
Summerside Harbour
Holman I
Wilmot Valley
Wilmot River
Indian Head
BEDEQUE BAY
DUNK RIVER
Ross Corner
Lower Freetown
Freetown
Salutation Cove
Graham Head
Bedeque
Central Bedeque
Dunk River
Kinkora
Seacow Head
Fernwood
Richmond Cove
Chelton
Searletown
South Arm
Sevenmile Bay
North Carleton
Albany
Carleton Cove
Port Borden
Carleton
Cape Traverse
Amherst Cove
Augustin Cove
Cape Traverse
Cumberland Cove
Tryon Head
Tryon
North Tryon
Gamble Corner
Kelly Cross
Crapaud
Victoria
Victoria Harbour
Birch Pt
Brocklesby Head
Hampton
Ferry
NORTHUMBERLAND
Cape Bruin
Murray Corner
Peacock Cove
Cape Jourimain
Murray Road
Spence
Bayfield
Cape Tormentine
NEW BRUNSWICK
Malden
Melrose
Cape Tormentine
Cape Spear
Cape Egmont 1m
Cape Tryon
Sea View
French River
Long River
New London Bay
Cavendish
Orby Head
NATIONAL
Stanley Bridge
New London
Graham Road
Granville
Millvale
Trout River
New Glasgow
Springfield
Emerald
Elliott
Fredericton Station
Breadalband
Hunter River
Hartsville
Shamrock
Rose Valley
Brookfield
Wheatley River
Ebenezer
Trilby
Milton Station
Wiltshire
Winsloe
Marshfield
Tyrone
Kingston
North River
Appin Road
Riverdale
Churchill
Clyde River
Cornwall
Rocky Point
Keppoch
Blockhouse Pt
Squaw Pt
Cumberland
Argyle Shore
Canoe Cove
Black Pt
Rice Pt
St Peter I
Bonshaw
De Sable
Rustico Harbour
Rustico I
North Rustico
Rusticoville
Rustico
Rustico Bay
Brackley Pt
Cape Stanhope
Covehead Bay
Stanhope
Covehead
Oyster Bed Bridge
Pleasant Grove
Harrington
Little York
Bedford Station
CHARLOTTETOWN
Southport
Ferry
Charlottetown Harbour
YORKE RIVER
ELIOT RIVER
HILLSBOROUGH BAY
Governor I
PARK
Cape Stanhope
2045000

Twister Causes Damage To Cape Traverse Property



Estimates Damage At Least $4,000

Ed Clow arrived home early Sunday evening to find his Cape Traverse property a mess. In his absence, a tornado struck, blowing his fishing boat and garage into each other, damaging his mobile home and scattering objects around the neighborhood. His 10-foot dory disappeared from a nearby shore. He was still assessing the damage today but it amounts to at least $4,000 and could be higher if the frame of the fishing boat is damaged.

By BOB KELLY
(J-P Staff Writer)

CAPE TRAVERSE — Ed Clow hauled his 36½ foot fishing boat up to his yard last Thursday, thinking it would be safer than leaving it in the water at Cape Traverse wharf any longer. He couldn't have been more wrong.

Today it sits 50 feet closer to Mr. Clow's mobile home, partly covered by a wrecked garage, its cabin overturned. The boat, the 14 x 12 foot garage and mobile home were in the path of a tornado which touched down here early Sunday evening between 6 and 6:30 p.m.

Mr. Clow's wife, Dora, was alone at the time and she recalls that when the twister struck "it was just like something came and hit the place."

Glass from three kitchen windows went flying into the livingroom, a small window in the bathroom was smashed and a hole torn through the wall. The Clow's suspect that a flying garage door smashed against the side of the home.

The backyard is a mess. The boat lies tipped slightly to one side directly behind the home; the garage filled with fishing gear was blown about 10 feet to meet the boat, ending up in pieces draped over the stern. Pieces of wood slabs flew from a pile and are strung over a 100-foot stretch towards the shore.

Mr. Clow's 10-foot dory has disappeared from the shore. A shovel from the garage ended up on a neighbor's property across the road. The force of the wind was also displayed on the nearby property of Jack Campbell where an empty oil tanker was overturned.

WATERSPOUTS SEEN

The tornado apparently came on land from the nearby Northumberland Strait where several waterspouts — tornadoes over water — were spotted and avoided by CN Marine ferries. The weather office at CFB Summerside had no knowledge of the danger until witnesses alerted it. Throughout the area thunderstorms struck, along with hail farther east. At the base winds gusted up to 35 knots but in Borden they were recorded at 55 knots.

MUST MOVE

"It all happened in just a few seconds," Mrs. Clow says. "The windows smashed, dishes rattled. I thought the whole place was going."

Temporary repairs have been made to the mobile home but the Clows are planning to move into a motel until it is fit to live in again.

A small twister struck a subdivision in Wilmot, near Summerside, on the late afternoon of September 10, but damage was not as heavy. That time it moved a small barn, tore off a patio bench, uprooted a clothesline pole and scattered objects.

The Journal-Pioneer
Summerside, P.E.I.
September 29, 1980

481 UNIVERSITY AVE.
TORONTO, M5W 1A7

Journal Pioneer
Summerside, P.E.I.
Circ. 11,117

CANADIAN PRESS CLIPPING SERVICES

September 29, 1980

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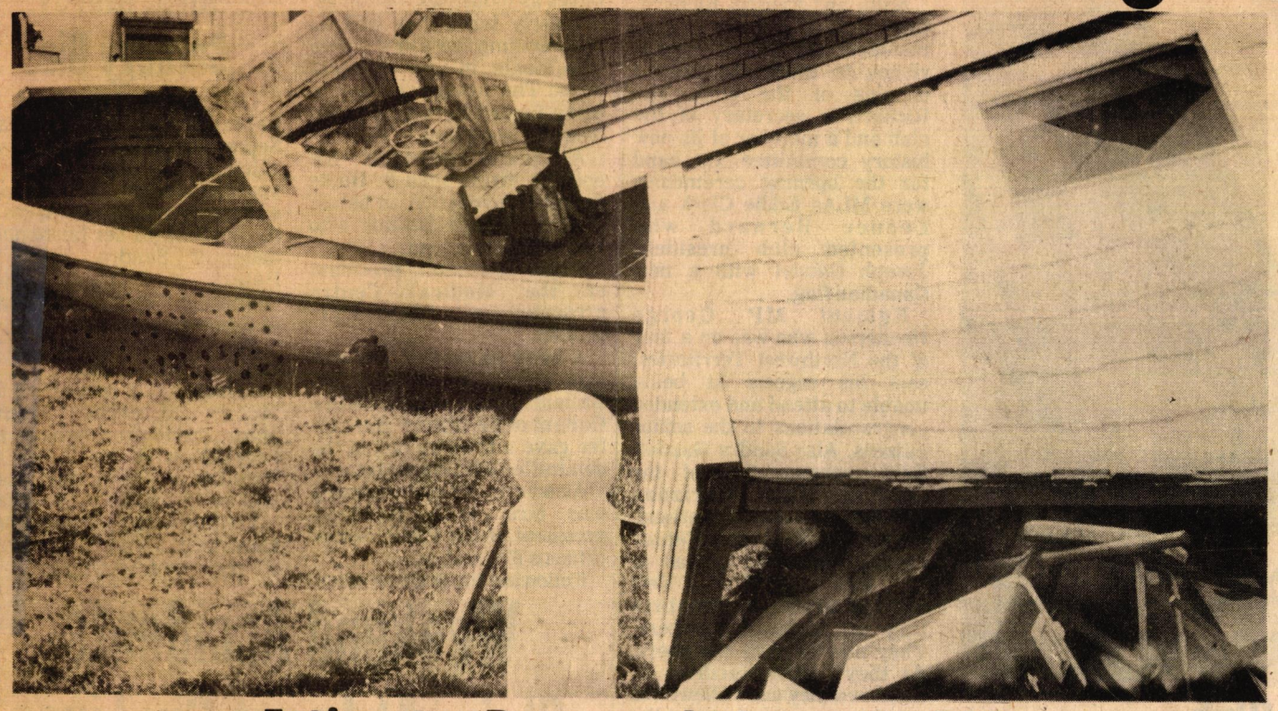

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Clow Surveys Tangled Mess

Ed Clow of Cape Traverse surveys the tangled mess formed by his collapsed garage colliding with his 36½ foot fishing boat in his backyard early Sunday evening. A tornado, one of several which formed over the Northumberland Strait, struck his property, throwing the boat about 50 feet from where it had been hauled three days earlier. The new 14 x 12 foot garage moved about 10 feet. Four windows in the mobile home were smashed and a hole torn through the bathroom wall, apparently by the flying garage door. On the nearby property of Jack Campbell, an empty oil tanker was upset.

P.E.I Tornado

Storm Date:
Sunday Sept 28 1980

Canadian Press Clipping Services
481 UNIVERSITY AVE.
TORONTO, M5W 1A7

Charlottetown Patriot, P.E.I.
Circ. 6,036
September 29, 1980

CANADIAN PRESS CLIPPING SERVICES

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MINI-TORNADO STRIKES

Edward Clow, RIGHT, and his neighbor survey the damage caused by a mini-tornado which tipped a fishing boat moored in Mr. Clow's back yard onto his barn, located about 30 feet away, at his home in Cape Traverse Sunday evening.

Mr. Clow estimates the damage at $2,500. if the boat can be salvaged. He said it will be hard to tell the extent of damage to the bottom until it has been moved away from the barn, a 35x40 foot structure. Windows were also smashed in the nearby trailer owned by Mr. Clow when the wind picked up slabs from a pile in the yard and hurled them across the property. The only other damage apparently caused by the tornado was to an oil tanker owned by Jack Campbell who lives just west of Mr. Clow. Mr. Campbell said the 20,000 lb. tanker was turned onto its side in one gust of wind, and put back on four wheels in the next. He could not estimate the damage to the tanker.