B

TORNADO PROJECT SUMMARY SHEET

F=0

1. DATE AND TIME Sunday May 19 '63 afternoon

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

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.) pea size hail

10. TOTAL DAMAGE ESTIMATE $ 11. TOTAL DEATHS

12. TOTAL INJURED 13. TOTAL HOMELESS

14. LIST ALL REFERENCES Fredericton Gleaner, May 21 '63

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

- "freak tornado like windstorm" skirted across golf course flattening trees
- more than 30 spruce ranging up to 60' in height were pulled up by the roots or snapped off several feet above ground.

Fredricton Gleaner May 21 '63
Storm Date: Sunday May 19 '63

Tornado?

Golfers Scatter As Storm Hits

EDMUNDSTON (CP) — A freak tornado-like windstorm slashed across the [illegible] golf course Sunday afternoon scattering golfers, destroying trees and pelting the area with pea-sized hailstones.

More than 50 stumps and the trees, ranging up to 40 feet in height, were pulled up by the roots or snapped off several feet above the ground.

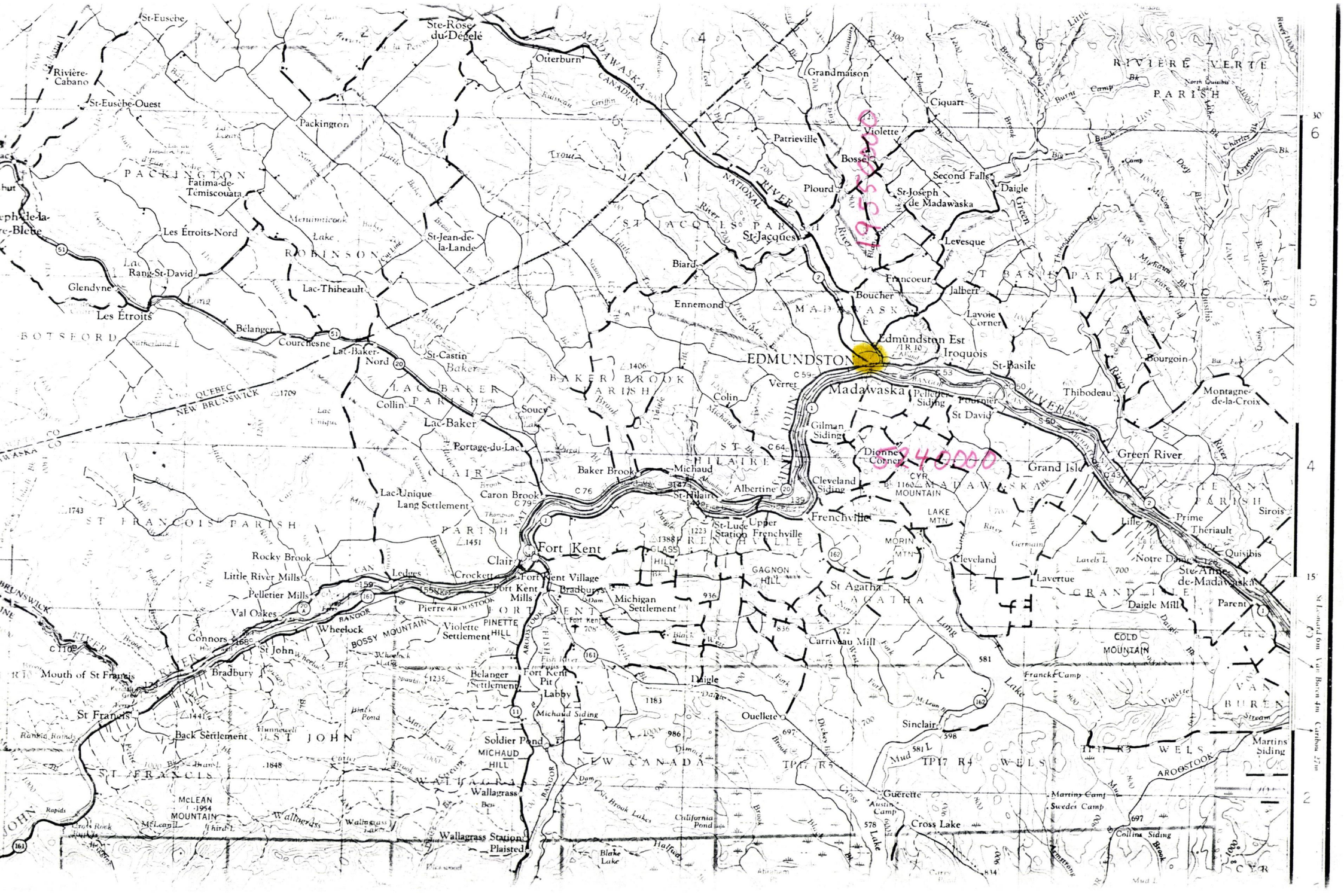
Lightning Kills Two Dairy Cows, Injures Third

MAPLE RIDGE (CP) — A severe electrical storm that swept the area Sunday night killed two dairy cattle and injured a third at the farm home of Dean Blaney.

Mr. Blaney said that when he had left home earlier in the day he had turned the cattle out to pasture. "I started home after the storm broke around 7.30 p.m.", he said, "and had just driven into the yard. I saw the cattle, seven head, making for an old barn. Just as they reached the barn the bolt of lightning struck and knocked all seven of the cows down. There was a huge swirl of dust and I could not see anything for a minute. After the dust cleared I saw the cattle lying near the barn. A short time later four of them got up. I went over and found that two, one a purebred Holstein, were dead and a third one was injured."

The storm, one of the most severe to strike the area in recent years, broke around 7.30 p.m. over the Maple Ridge area about one mile west of Millville in York County, and lasted for several hours. The dazzling display of lightning was accompanied by a heavy downpour of rain. No other damage was reported in the area.

inconclusive


St-Eusèbe
Ste-Rose-du-Dégelé
Rivière-Cabano
St-Eusèbe-Ouest
Otterburn
Grandmaison
Ciquart
RIVIÈRE VERTE PARISH
Packington
Violette
Patrieville
Bossé
PACKINGTON
Fatima-de-Témiscouata
Plourd
Second Falls
Daigle
St-Joseph de Madawaska
Les Étroits-Nord
ROBINSON
St-Jean-de-la-Lande
ST JACQUES PARISH
St-Jacques
Levesque
Lac Rang-St-David
Biard
Francoeur
Glendyne
Lac-Thibeault
Jalbert
Boucher
Ennemond
Les Étroits
Lavoie Corner
Bélanger
BOTSFORD
Courchesne
Edmundston Est
Iroquois
St-Basile
Lac-Baker-Nord
St-Castin
EDMUNDSTON
Bourgoin
BAKER BROOK PARISH
Verret
Madawaska
Pelletier Siding
Poupnier
Thibodeau
Montagne-de-la-Croix
QUEBEC
NEW BRUNSWICK
Collin
Soucy
Gilman Siding
St David
LAC BAKER PARISH
Lac-Baker
Portage-du-Lac
Dionne Corner
Green River
Grand Isle
Baker Brook
Michaud
Cleveland Siding
Albertine
CYR MOUNTAIN
Lac-Unique
Lang Settlement
Caron Brook
St-Hilaire
Frenchville
LAKE MTN
Prime
Sirois
Lille
Thériault
ST FRANÇOIS PARISH
St-Luce
Upper Frenchville
Fort Kent
Clair
Rocky Brook
Cleveland
Quisibis
Little River Mills
Crockett
Fort Kent Village
Lavertue
Notre Dame
Ste-Anne-de-Madawaska
Pelletier Mills
Fort Kent Mills
Bradburys
Michigan Settlement
St Agatha
Daigle Mill
Parent
Val Oakes
Pierreabord
Violette Settlement
Carriveau Mill
COLD MOUNTAIN
Connors
Wheelock
BOSSY MOUNTAIN
St John
Mouth of St Francis
Bradbury
Belanger Settlement
Fort Kent Pit
Labby
Daigle
Ouellette
Sinclair
Franck's Camp
St Francis
Back Settlement
Michaud Siding
Soldier Pond
MICHAUD HILL
NEW CANADA
TP17 R5
TP17 R4 WELS
TP17 R3 WELS
Martins Siding
Wallagrass
Guerette
Martins Camp
Swedes Camp
McLEAN MOUNTAIN
Cross Lake
Collins Siding
Wallagrass Station
Plaisted
Blake Lake
California Pond
Austin Camp
AROOSTOOK
RIVER
NATIONAL
CANADIAN
MADAWASKA
BANGOR
Lake
Brook
Stream
Mud
Dam
Rapids
Falls

WORKSHEET

IDTO 04963-01

① ORIGIN x 19550000

y 5246000

⑤ Standard Error S_x

$O = 1500$

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 $\phi =$