C TORNADO PROJECT SUMMARY SHEET F=0

1. DATE AND TIME Thurs Aug 30 '73 Evening

2. LOCATION OR PATH (attach map) North Hatley Que. 05973-06

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.)

10. TOTAL DAMAGE ESTIMATE $ U 11. TOTAL DEATHS U

12. TOTAL INJURED U 13. TOTAL HOMELESS U

14. LIST ALL REFERENCES

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

- storm hit north end of Lake Massawippi
- trees down, barns damaged

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Storm Date Thurs. Aug 30 '73

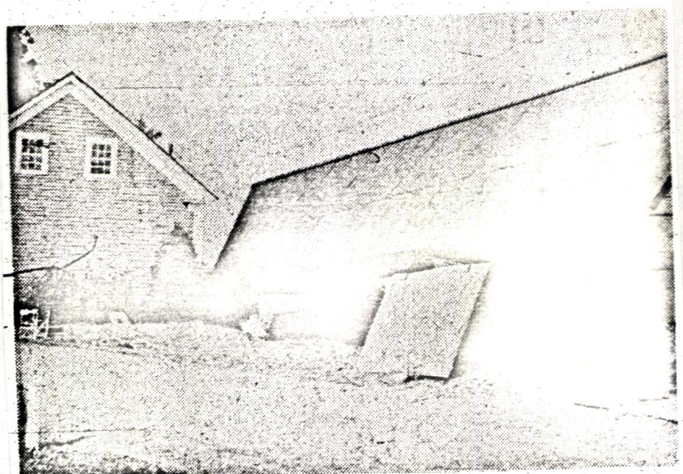
C

Frémont

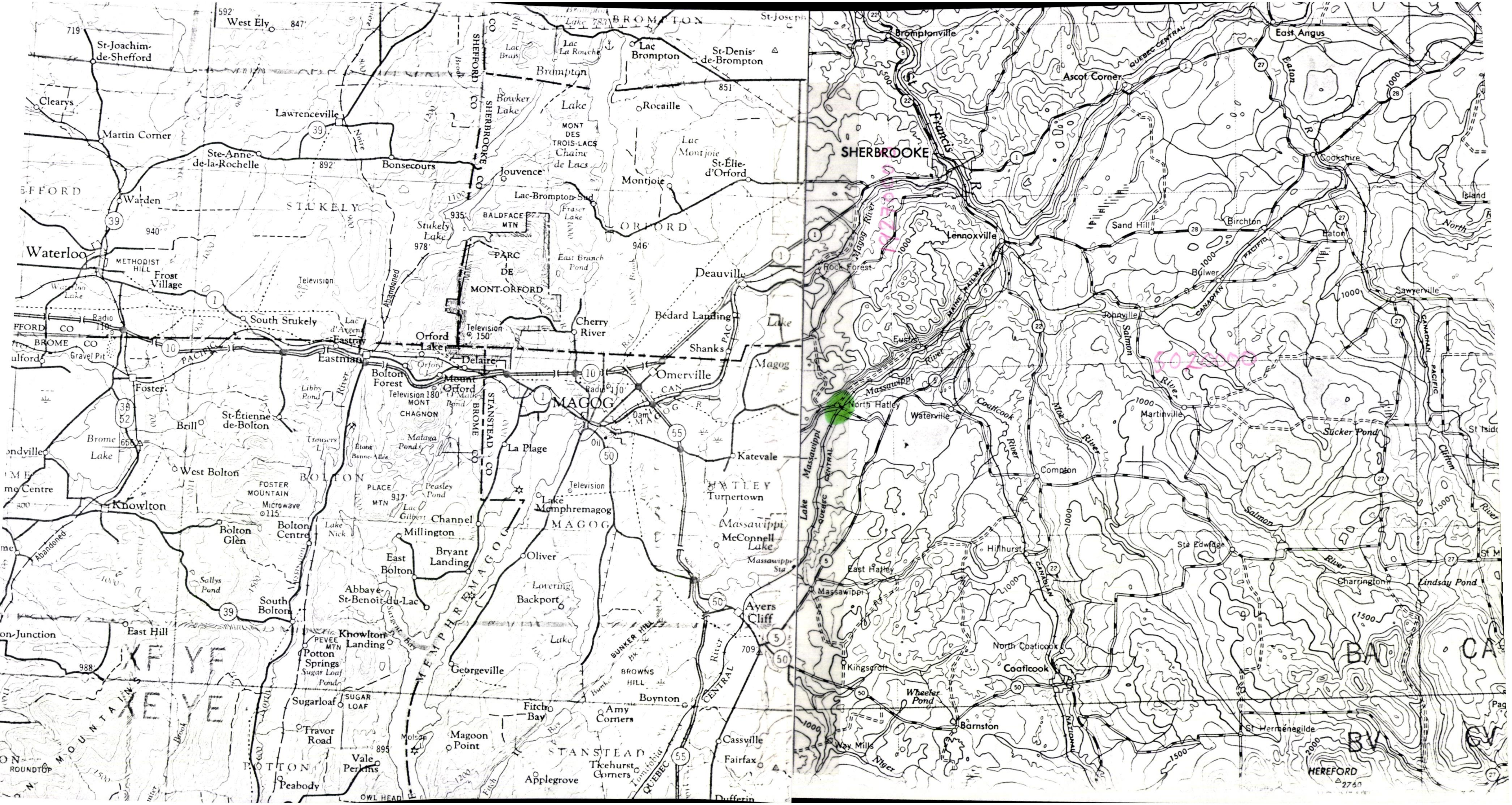
Quand le vent se déchaîne



Pendant qu'un violent orage s'abattait sur North Hatley et ses environs, jeudi soir, privant aussi bon nombre de résidences d'électricité durant trois heures, le vent foudroyait impitoyablement de grands saules sur la route rurale numéro 2 à Minton, au-dessus de North Hatley (chemin passant derrière l'université de Sherbrooke). Cette scène a été prise devant la résidence de M. Johnson.
(Photo La Tribune, par Dough Gerrish)



La mordante tempête qui a fait rage au nord du lac Massawippi, jeudi soir, déchirait, brisait et cassait tout sur son passage. C'est ainsi que la grange de M. Alex G. McKinvent, de la route rurale numéro 2, s'est vu ébranler, soulever, et puis écraser par les vents violents et par, semblait-il, Eole lui-même.
(Photo La Tribune, Dough Gerrish)



West Ely
St-Joachim-de-Shefford
Clearys
Martin Corner
Lawrenceville
Ste-Anne-de-la-Rochelle
Bonsecours
SHEFFORD
Warden
STUKELY
Waterloo
METHODIST HILL
Frost Village
Waterloo Lake
South Stukely
SHEFFORD CO
BROME CO
Gravel Pit
Foster
Brill
St-Étienne-de-Bolton
Brome Lake
West Bolton
BOLTON
FOSTER MOUNTAIN
Knowlton
Bolton Glen
Bolton Centre
Sallys Pond
South Bolton
East Hill
Abandoned
MOUNTAINS
ROUNDTOP
POTTON
Peabody
Potton Springs
Sugar Loaf Pond
Sugarloaf
SUGAR LOAF
Travor Road
Vale Perkins
OWL HEAD
Knowlton Landing
PEVEE MTN
Abbaye-St-Benoit-du-Lac
East Bolton
Millington
Bryant Landing
Channel
MEMPHREMAGOG
Georgeville
Molson
Magoon Point
Fitch Bay
Eastman
Eastray
Bolton Forest
Orford Lake
Delaire
Mount Orford
MONT CHAGNON
PLACE MTN
Lac Gilbert
Peasley Pond
Stukely Lake
BALDFACE MTN
PARC DE MONT-ORFORD
SHERBROOKE CO
STANSTEAD CO
BROME
BROMPTON
Lac Brompton
St-Denis-de-Brompton
Brompton Lake
Bowker Lake
Rocaille
MONT DES TROIS-LACS
Chaine de Lacs
Jouvence
Lac-Brompton-Sud
Fraser Lake
Lac Montjoie
Montjoie
St-Élie-d'Orford
ORFORD
East Branch Pond
Cherry River
Deauville
Bédard Landing
Shanks
Omerville
MAGOG
Magog
La Plage
Lake Memphremagog
Oliver
Lovering
Backport
Katevale
HATLEY
Turnertown
Massawippi
McConnell Lake
Massawippi Sta
Ayers Cliff
BUNKER HILL
BROWNS HILL
Boynton
Amy Corners
STANSTEAD
Ticehurst Corners
Applegrove
Cassville
Fairfax
Dufferin
CENTRAL
QUEBEC
St-Joseph
Bromptonville
SHERBROOKE
St Francis R
Magog River
Rock Forest
Lennoxville
MAINE RAILWAY
Eustis
Massawippi River
North Hatley
Waterville
Lake Massawippi
QUEBEC CENTRAL
East Hatley
Kingscroft
Wheeler Pond
Barnston
Way Mills
Niger
East Angus
Ascot Corner
Eaton R
Cookshire
Island
North
Sand Hill
Birchton
Eaton
Bulwer
Johnville
Sawyerville
CANADIAN PACIFIC
Salmon River
Martinville
Sucker Pond
Coaticook River
Moe River
Compton
Hillhurst
Ste Edwidge
Charrington
Lindsay Pond
Clifton River
North Coaticook
Coaticook
CANADIAN NATIONAL
St Herménegilde
HEREFORD
2760

WERKSHEET

IDTO 05973-06

① ORIGIN x 19266000

y 5018000

⑤ Standard Error S_x

0 = 1000

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 [→ r, θ] = .

[X ↔ Y] =

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

⑤+⑥ [→ r, θ] = .

⑩ $\beta = \dfrac{\tan^{-1} S_L}{L}$

⑦+⑨ [→ r, θ]

[X ↔ Y] =

NE Quad $\phi = 90 - \alpha$

NW Quad $\phi = 270 + \alpha$

SW Quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

⑪ ϕ =