C TORNADO PROJECT SUMMARY SHEET F=0

1. DATE AND TIME July 2 '75 18:15 EST

2. LOCATION OR PATH (attach map) Lachine Que 05975-04

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

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.) heavy rain

10. TOTAL DAMAGE ESTIMATE $ 11. TOTAL DEATHS 0

12. TOTAL INJURED 0 13. TOTAL HOMELESS 0

14. LIST ALL REFERENCES

Montreal Gazette
July 3 '75

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

- witness described how a "mini tornado picked up her garage and destroyed it.
- other saw large trees being ripped up.

MONTREAL GAZETTE

Brief thunderstorm devastating

JUL 3 1975

By STAN OZIEWICZ
and ERIC JOHNSON
of the Gazette

A brief, violent thunderstorm caused scattered power failures and extensive flooding across Montreal last night.

Winds gusted up to 70 m.p.h. as the sky darkened before 1.63 inches of rain drenched the city between 7 and 7:30 p.m.

Police and firemen reported numerous blackouts across the island as winds toppled trees, lifted house roofs and flooded basements.

Late last night Hydro-Quebec was struggling to restore service to 70,000 homes still left without electricity.

At the storm's height about 270,000 customers were affected, said a Hydro-Quebec spokesman.

In Dollard des Ormeaux, a police spokesman said the storm caused "thousands of dollars' damage."

"Many roofs were torn off and in one case the front part of one house was ripped off," he said.

Most of the suburb was blacked out as power lines were toppled. Police reported no injuries.

Lachine resident Margaret Lariviere said a "mini-tornado" sent her pre-fab garage flying over 200 feet.

"It floated in the air over a fence and crashed right side up in a parking lot. It was packed with bicycles and things. Everything is there, but the garage is destroyed," she said.

Another Lachine resident, Bob Essery, said he saw a falling tree narrowly miss a young girl on 34th Ave. Another huge elm was toppled on St. Joseph's Blvd. near 7th Ave.

A Quebec Police Force spokesman said numerous minor accidents were reported at the 1st Ave. underpass on Highway 2-20 and traffic was jammed for over an hour by flood waters in the basin now undergoing repairs.

Dollard des Ormeaux resident Louise Cussen of Place Dephoure had a 60-foot elm tree crash on to her car in the family driveway. "Trees were uprooted like weeds," she said.

At the height of the storm, Decarie Autoroute was backed up in both directions and police reported numerous accidents.

A spokesman at the airport in Dorval said a few flights were disrupted briefly.

On Lake St. Louis, boats were overturned by the sudden storm. Lord Reading Yacht club in Beaconsfield cancelled its scheduled club races but some boats were not able to return to shore in time.

The Pointe Claire marine rescue squad towed one boat into port, to be greeted by other boats whose masts had been toppled by the winds.

The 20-minute storm forced some waterlogged sailors to cling to their boats until the waves and wind subsided. Lord Reading member Jack Richard said, "it's the worst storm I've seen in 20 years of sailing on Lake St. Louis."

Police in Dorval, Kirkland and Pointe Claire reported power and telephone failures caused by falling poles and trees but there were no injuries.

WERKSHEET

IDTO 05975-04

① ORIGIN x 18601400

y 5032000

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 $\boxed{\rightarrow r, \theta}$

$\boxed{x \leftrightarrow y}$ =

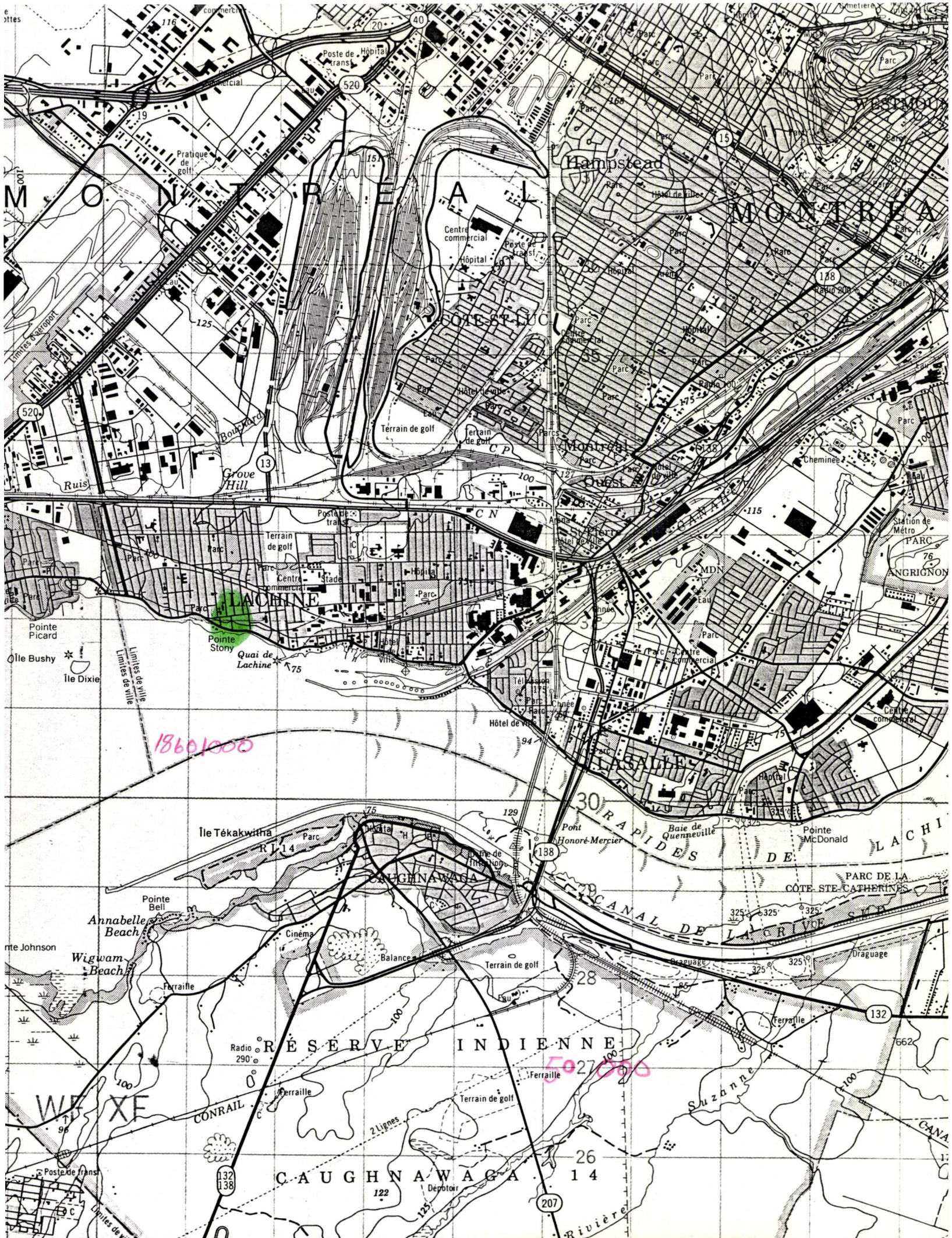
NE Quad $\phi = 90 - \alpha$

NW Quad $\phi = 270 + \alpha$

SW Quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

⑪ $\phi =$



MONTREAL
Hampstead
MONTREAL
CÔTE-ST-LUC
Montréal
Ouest
St-Pierre
LACHINE
LASALLE
CAUGHNAWAGA
RÉSERVE INDIENNE
CAUGHNAWAGA 14
Grove Hill
Pointe Picard
Île Bushy
Île Dixie
Pointe Stony
Quai de Lachine
Île Tékakwitha
Pointe Bell
Annabelle Beach
Wigwam Beach
Pont Honoré-Mercier
Baie de Quenneville
Pointe McDonald
RAPIDES DE LACHINE
CANAL DE LA RIVE SUD
PARC DE LA CÔTE-STE-CATHERINES
Terrain de golf
Hôtel de ville
Centre commercial
Poste de transf.
Pratique de golf
Limites de ville
Limites d'aéroport
Cinéma
Balance
Ferraille
Radio 290'
Dépotoir
Suzanne
Rivière
CONRAIL
2 Lignes
Poste de transf.
Station de Métro
PARC ANGRIGNON
Cheminée
Draguage
18601000
5027000