C

TORNADO PROJECT SUMMARY SHEET

F=0

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

2. LOCATION OR PATH (attach map) Dollard des Ormeaux 05975-05

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 $ thousands 11. TOTAL DEATHS

12. TOTAL INJURED 13. TOTAL HOMELESS

14. LIST ALL REFERENCES
Montreal Gazette July 3 '75

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

- Police said "many roofs were torn off and in one case, the front part of one house was ripped off"
- damage was in the thousands of dollars

By STAN GRIEWICZ
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, 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.

WORKSHEET

IDTO 05975-05

① ORIGIN x 18591700
y 5038500

② LIFT-OFF x_1
y_1

③ $(x_1 - x) =$

④ $(y - y_1) =$

⑤ Standard Error S_x
0 = 500

⑥ Standard Error S_y

⑦ DAMAGE LENGTH

$$L = [(x_1 - x)^2 + (y - y_1)^2]^{1/2}$$

⑧ $\alpha = \tan^{-1} \frac{|y - y_1|}{|x - x_1|}$

③+④ [→ r, θ] =

[x ↔ y] =

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

⑤+⑥ [→ r, θ] =

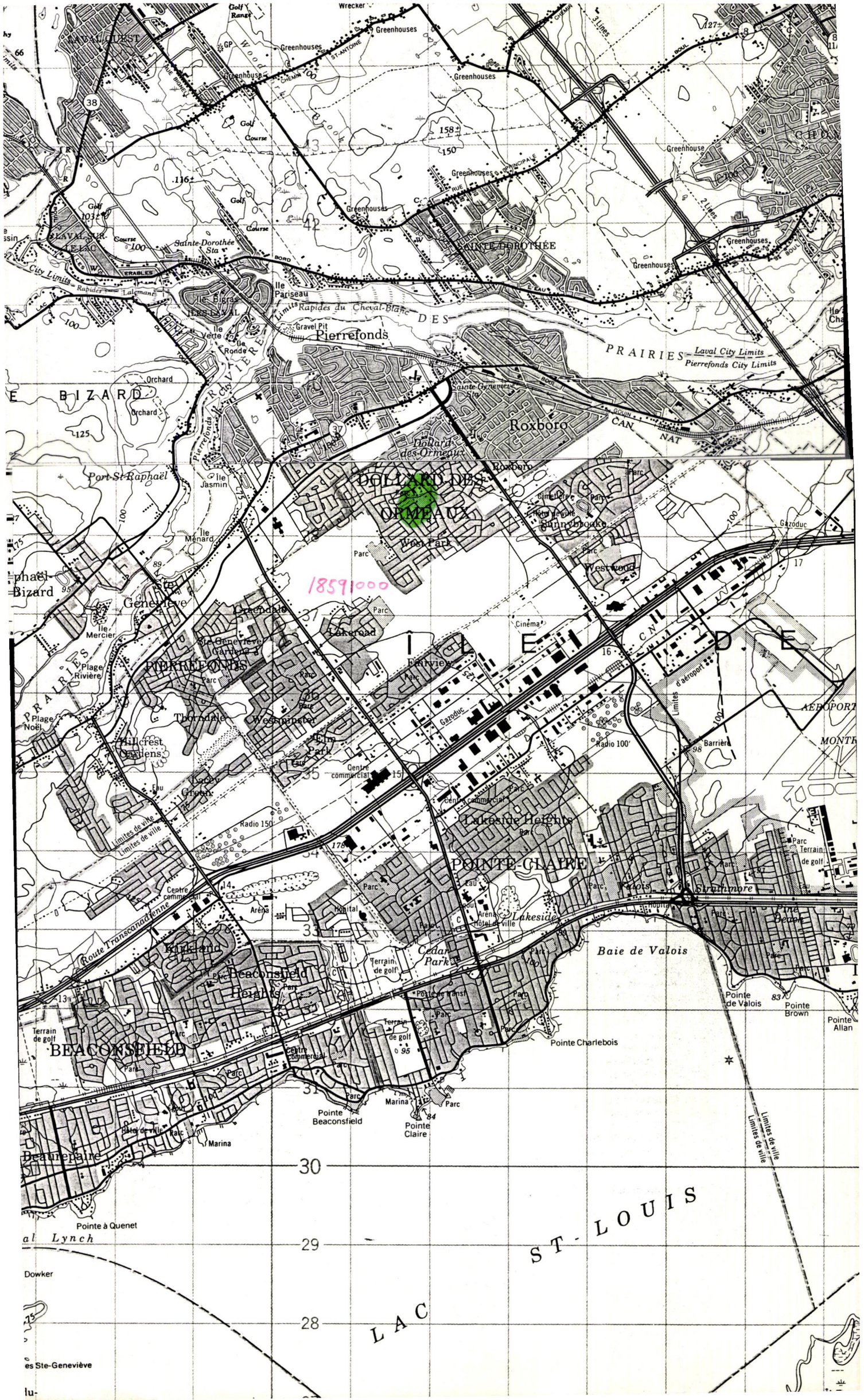
⑩ $\beta = \frac{\tan^{-1} S_L}{L}$

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 $\phi =$



LAVAL-OUEST
Greenhouses
Golf Course
Golf Range
Wrecker
Wood Brook
Sainte-Dorothée Sta
SAINTE-DOROTHÉE
Ile Pariseau
Ile Bigras
ILES-LAVAL
Ile Verte
Ile Ronde
Rapides du Cheval-Blanc
Gravel Pit
Pierrefonds
DES PRAIRIES
Laval City Limits
Pierrefonds City Limits
Sainte-Geneviève Sta
Roxboro
CAN NAT
Dollard-des-Ormeaux
DOLLARD-DES-ORMEAUX
West Park
Sunnybrooke
Westwood
Port-St-Raphaël
Ile Jasmin
Ile Ménard
Ste Geneviève
Greendale
Lakeroad
Ste-Geneviève Gardens
PIERREFONDS
Ile Mercier
Plage Rivière
Plage Noël
Thorndale
Westminster
Elm Park
Hillcrest Gardens
Lacey Green
Fairview
Cinéma
Limites d'aéroport
AÉROPORT
Radio 100'
Barrière
Centre commercial
Radio 150
Limites de ville
Lakeside Heights
POINTE-CLAIRE
Strathmore
Terrain de golf
Pine Beach
Lakeside
Arena
Hôtel de ville
Cedar Park
Baie de Valois
Route Transcanadienne
Kirkland
Beaconsfield Heights
Terrain de golf
Poste de transf
Pointe de Valois
Pointe Brown
Pointe Allan
Pointe Charlebois
BEACONSFIELD
Marina
Pointe Beaconsfield
Pointe Claire
Beaurepaire
Pointe à Quenet
Lynch
Dowker
LAC ST-LOUIS
Limites de ville
18591000