A

TORNADO PROJECT SUMMARY SHEET

F=1

1. DATE AND TIME May 31 1975 Saturday ≈ 1.45-2.00 PM

2. LOCATION OR PATH (attach map) St-Remi de Napierville

05975-01

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

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.) hail and heavy rain

10. TOTAL DAMAGE ESTIMATE $ ~1 MILLION 11. TOTAL DEATHS NONE

12. TOTAL INJURED 45 13. TOTAL HOMELESS ?? (*)

14. LIST ALL REFERENCES

Le Canada Français : Wed June 4 1975
Le Soleil : Mon. June 2 1975
Le Nouvelliste: Tues. June 3 1975

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

(a) No Remarks witness saw funnel

(b) 4 injured persons when the mobile trailer was lifted 30 fts in the air and fall afterward.

damaged caused at barnes, electric poles uprooted tree, croop.

(*) mentionned damaged to 50 houses there are some houses which are total lost but this number is not. mentionned.

~100 farms destroyed

Le Novelliste: Tues
June 3rd '75
Storm Date: ?

Sa famille et lui ont été soulevés par la tornade

MONTREAL (PC) — M. Gaétan Gloutnez, dont la demeure a été entièrement détruite par la tornade qui a ravagé le village de Saint-Rémi-de-Napierville en fin de semaine, raconte comment il a connu "la peur de sa vie".

"La pluie venait à peine de commencer à tomber. Je suis sorti en vitesse pour fermer les fenêtres de l'auto. Depuis quelques minutes, un trop grand calme régnait. Il faisait chaud et le vent avait complètement cessé de souffler.

"Le ciel est devenu noir. Un vent furieux s'est alors levé, les arbres se sont mis à craquer. Je me suis précipité dans la maison et j'ai eu juste le temps de fermer la porte. Léonne tenait l'enfant dans ses bras. . .

"La porte s'est rouverte dans un fracas épouvantable. J'ai dit à ma femme: Tiens bien le bébé. Je me suis agrippé à eux et tout s'est mis à voler. La tornade entrait dans la maison.

"Nous avons été soulevés, aspirés dans un siphon. Nous étions agrippés tous les trois ensemble. Je me souviens d'avoir crié, pendant plusieurs secondes, tandis que le vent nous portait. Je crois même avoir vu ma cabane de jardinage du haut des airs.

"Puis je me suis retrouvé sur le sol, le dos au vent. Je sentais des morsures, des coups dans le dos, j'étais flagellé par les débris. C'est à ce moment-là que j'ai pensé que j'y laissais vraiment ma peau. Tout à coup, le vent a cessé. Ma femme et moi étions debout l'un devant l'autre. Dans ses bras le bébé était bleu.

"Nous étions debout dans une mare d'eau. Un fil à haute tension pendait dans le liquide. Des courants électriques nous traversaient les jambes.

"Maintenant, dit-il, je sais ce que c'est que la peur."

La catastrophe est survenue vers 13h45, samedi. D'après les témoignages recueillis par le quotidien La Presse, il ressort que l'obscurité est devenue telle, au moment où la tornade a frappé, qu'il était impossible d'en distinguer la forme.

Mais le signe avant-coureur a été à peu près le même pour tous: lourde chaleur, atmosphère stagnante, silence oppressant.

Mais pour Gaétan Gloutnez, le bilan est positif, malgré la perte de sa maison mobile: toute sa petite famille est toujours vivante.

Que

Le. Canada Francais: Wed June 4 '75
Storm Date: Sat May 31 '75



Tornade à Saint-Rémi

C'est une véritable tornade qui s'est abattue sur Saint-Rémi de Napierville samedi au tout début de l'après-midi, arrachant des toits et bâtiments de ferme, déracinant des arbres, ravageant les récoltes, jetant par terre une cinquantaine de poteau de fils téléphoniques et de pylônes portant des fils à haute tension. Les dommages sont évalués à près de $750,000.
(Photo Mario Lambert)

Que

Le Soleil Mon. June 2 '75

Storm Date Sat. May 31 '75

La tornade coûte cher

SAINT-REMI (d'après PC et UPI) — Quatre personnes ont été blessées quand une tornade a soufflé à travers le village situé à 20 milles au sud de Montréal, provoquant de $500,000 à $1 million de dommages matériels.

Le maire Romain Lussier, de Saint-Rémi, a révélé avoir reclamé l'aide du gouvernement provincial.

La tornade a frappé peu avant deux heures de l'après-midi samedi, accompagnée de grêle et de pluie, écrasant une maison mobile de 68 pieds, blessant ses trois occupants, en plus de fracasser des granges, de renverser des nombreux poteaux et arbres et de dévaster les récoltes et une cinquantaine de maisons.

Une partie de la région a subi une longue panne de téléphone et d'électricité et plusieurs routes ont été bloquées par des arbres déracinés.

La petite Annie Gloutney, âgée de un mois, a été conduite à l'hôpital Sainte-Justine de Montréal où elle demeure dans un état critique. Elle a subi une fracture de crâne quand la maison mobile qu'elle habitait avec ses parents, Gaétan et Leone Gloutney, fut soufflée par les éléments.

Les parents du bébé ont été traités pour blessures mineures et choc nerveux. M. Gloutney a plus tard révélé que "sa maison mobile a été littéralement soulevée à 30 pieds dans les airs pour ensuite se fracasser au sol où elle s'est désintégrée.

Des pannes d'électricité ont touché tout l'Est de la province lors des orages qu'a connus le Québec durant la fin de semaine.

Le plus grave a été celui qui a touché près de 7,000 personnes des circonscriptions de Portneuf, de Champlain et de Trois-Rivières. Un isolateur a sauté dans un poste de l'Hydro-Québec, à Saint-Casimir de Portneuf, poste de 69,000 volts.

Il y a eu aussi de nombreuses pannes dans les circonscriptions de Beauce-Sud, Beauce-Nord, Bellechasse et dans la région immédiate de Québec. Mais il s'agisssait de cas "isolés" qui n'ont été que de courte durée.

30 ft in the air

Que

Toronto Star: Monday June 2 75
Storm Date: Sat May 31 '75

TORONTO STAR MON JUNE 2 75

Tornado injures 4 in Quebec

ST. REMI, Que. (CP) — Four people were injured, one seriously, Saturday when a tornado ripped through St. Remi, 20 miles south of Montreal, causing $500,000 to $1 million damage.

Mayor Romain Lussier of St. Remi said he was seeking Quebec government assistance for the community.

Electricity and telephone services were cut off and some roads were blocked by fallen trees and utility poles. The twister, accompanied by hail and rain, also blew down some barns and devasted crops.

One-month-old Annie Gloutney was in critical condition in Ste. Jusitne's Hospital yesterday with a fractured skull she suffered when the mobile trailer she was in with her parents, Gaetan and Leone Gloutney, was tossed in the air by the tornado.

The girl's parents were treated for minor injuries and shock.

Another person was injured when an uprooted tree hit the truck in which he was driving.

"It's terrible," Lussier said, "people have been injured, houses destroyed and farmers have lost their crops."

Storm Date: Sat. May 31st or Sunday June 1 1975

3251 JUN 2 1975

Tornado hits Quebec town

ST. REMI, Que. (CP) — Much of the debris left in the wake of a tornado which passed near this town 20 miles south of Montreal during the weekend has been cleared, police said.

"The trees have been pushed off the roads and now they will be cut up and taken away," police said.

"Things are beginning to return to normal now."

The tornado caused damages of between $500,000 and $1 million and left an one-month-old child in critical condition in hospital.

Mini tornado brings 5 minutes of terror

By [illegible]
of The Gazette

A "mini-tornado" injured four persons, one critically, and cut a million-dollar swath of damage during a terror-filled five minutes Saturday afternoon in St. Remi, 15 miles south of Montreal.

The freak wind storm, accompanied by rain and hail, struck the town and a square-mile of surrounding farmland shortly after 2 p.m. Saturday.

St. Remi Mayor Romain Lussier has called on the provincial government for financial aid to the victims.

The storm blew down barns, destroyed crops, toppled power and phone poles and trees and smashed a 60-foot mobile home, injuring its three occupants.

Gaetan Gloutney, 28, his wife and month-old daughter were inside the trailer when it was tossed 30 feet in the air.

Gloutney and his wife Leone, 25, were treated for lacerations and shock while their child Annie suffered a fractured skull and remains in critical condition at St. Justine Hospital in Montreal.

Gloutney said: "The wind became very strong. The trees were being broken. Then our home just went up into the air about 30 feet and came down and crashed into pieces. We lost everything.

'DISASTER AREA'

"The ambulance couldn't get to us. They had to get a huge truck to carry away the trees that were all over the streets.

"My neighbor was working on his tractor. After the wind went by, he wasn't on his tractor anymore.

"It was like a disaster area. Like things you only see on TV."

The fourth victim, an unidentified truck driver, was treated on the scene for cuts and bruises when his vehicle was struck by an uprooted tree.

At least 50 hydro poles and 40 telephone poles were felled by the high winds and falling trees, leaving the South Shore community without power and communications until yesterday afternoon.

The main brunt of the storm was felt along Highway 209, just north of St. Remi, closing the highway and several other secondary roads.

The Montreal Weather Office in Dorval explained that "In heavy thunderstorms in hilly areas unaffected by air pollution, mini-twisters of this nature occur when the funnel dips down out of clouds and meets no resistance such as smog.

"When the funnel strikes a house or other object" said weather forecaster Earl Bryan, "a pressure vacuum is created. When the air rushes back in to fill up the vacuum,

(See TORNADO, Page 3)

(Continued from Page 1)

an explosion smashes the building to matchwood."

Farmer Lucien Laplante was standing on his front porch when he noticed the twister coming towards his barn.

"All of a sudden the whole barn flew up into the air and it exploded like a bomb," Laplante said.

"My tractor is under all that," said Laplante pointing to the wreckage, "but I was lucky. Two horses inside the barn were not harmed." He estimated damage at $20,000.

"It's terrible, what happened here," Mayor Lussier said. "People have been injured, houses destroyed, and our farmers have lost all their crops.

"This area is known as a windy part of the country but I've never seen anything like a tornado."

Most of the victims will have a hard time collecting insurance as the storm is considered to be an "act of God."

MONTREAL GAZETTE

LONDON FREE PRESS

Quebec tornado damage $1 million

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"The trees have been pushed off the roads and now they will be cut up and taken away," police said.

"Things are beginning to return to normal now."

The tornado caused damages of between $500,000 and $1 million and left a one-month-old child in critical condition in hospital.

One man was slightly injured when an uprooted tree hit the truck he was driving.

Romain Lussier, mayor of St. Remi, asked the provincial government for assistance for the community.

"I estimate the damages at $1 million, Mr. Lussier said. "They have to help us.

"This area is known as the windy part of the country but I've never seen anything like a tornado," he said.

The twister struck just before 2 p.m. Saturday, bringing hail and rain. It lifted roofs off houses and blew down barns.

JUN 2 1975

A 68-foot mobile home was tossed 30 feet in the air and its three occupants injured. One-month-old Annie Gloutney had her skull fractured and her parents suffered minor injuries and shock.

The trailer "crashed into pieces" Gaetan Gloutney said. "We lost everything."

"It was like a disaster area," he said, "like things you normally see on TV."

Roads to the community were blocked by fallen trees. There were 40 hydro poles and 50 telephone poles blown down, cutting electricity and communications.

Near Montreal, one Ontario high school student was killed and another 10 slightly injured during the weekend when lightning struck their campsite.

Evelyn Rieux, 16, and his classmates, all from Plantagenet, were taking part in a week-long survival-training camp and had set up their tents on top of a mountain in Lachute, 25 miles west of here.

Group leader Nicole Leblanc said "a ball of fire" appeared to hit the camp Saturday night during a storm.

"Lightning hit only once and afterwards it was finished. Electric shocks seemed to knock out a few campers and we had to apply artificial respiration."

There were about fifty youths on the trip.

Tornado injures 4 in Quebec

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MONTREAL GAZETTE

JUN 3 1975

Weather

Twister damage inspectors on way

By ALBERT NOEL
of The Gazette

Inspectors from the Quebec ministry of agriculture this week will appraise damage caused by Saturday's tornado which injured five persons and wiped out acres of crops in St. Remi, 15 miles south of Montreal.

St. Remi Mayor Romain Lussier yesterday met Ken Fraser, MNA for Huntingdon-Napierville, to ask for financial assistance from the provincial government.

A similar request will be made to the federal government, said Mayor Lussier who estimates storm damage at around $1 million.

Annie Gloutney, a one-and-a-half month-old infant who suffered a fractured skull when the twister demolished the family trailer, is still in serious condition in Montreal's St. Justine Hospital.

Four adults were treated for less serious injuries and many others for shock.

The tornado struck shortly after 2 p.m. breaking dozens of utility poles, uprooting trees, smashing windows, ripping off roofs and flattening barns.

A spokesman for Hydro-Quebec said it would cost about $40,000 to replace wires and the 45 poles snapped or displaced.

Mayor Lussier said about 100 farms were hard hit by the storm, which he said "destroyed everything in its mile-wide path.

An undetermined number of barns were destroyed, leaving farmers without storage space with the hay harvest only two weeks away.

Hundreds of chicks were killed when the twister shattered the roofs of coops housing between 2,000 to 3,000 chickens.

Recently-planted crops were destroyed and greenhouses containing vegetables ready for transplanting were demolished.

JUN 3 1975

Weather

Clarification

In yesterday's Gazette report of the "mini-tornado" which struck St. Remi Saturday afternoon, mention was made of difficulties victims may encounter in collecting insurance on damage to property because the disturbance could be considered "an act of God."

Charles Moreau, manager of the Insurance Bureau of Canada, points out that "such damage falls under 'windstorm' coverage which is now part of practically all home insurance policies." He says he feels sure "most of the victims, if not all, will be readily indemnified through their home insurance."

Crops, barns, farm equipment and public property were also damaged in the five-minute storm and compensation in these cases would depend on specific clauses in individual policies.

WORKSHEET

IDTO 05975-01

① ORIGIN x 18608700

y 5013000

⑤ Standard Error S_x

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

$\boxed{x \leftrightarrow y}$ =

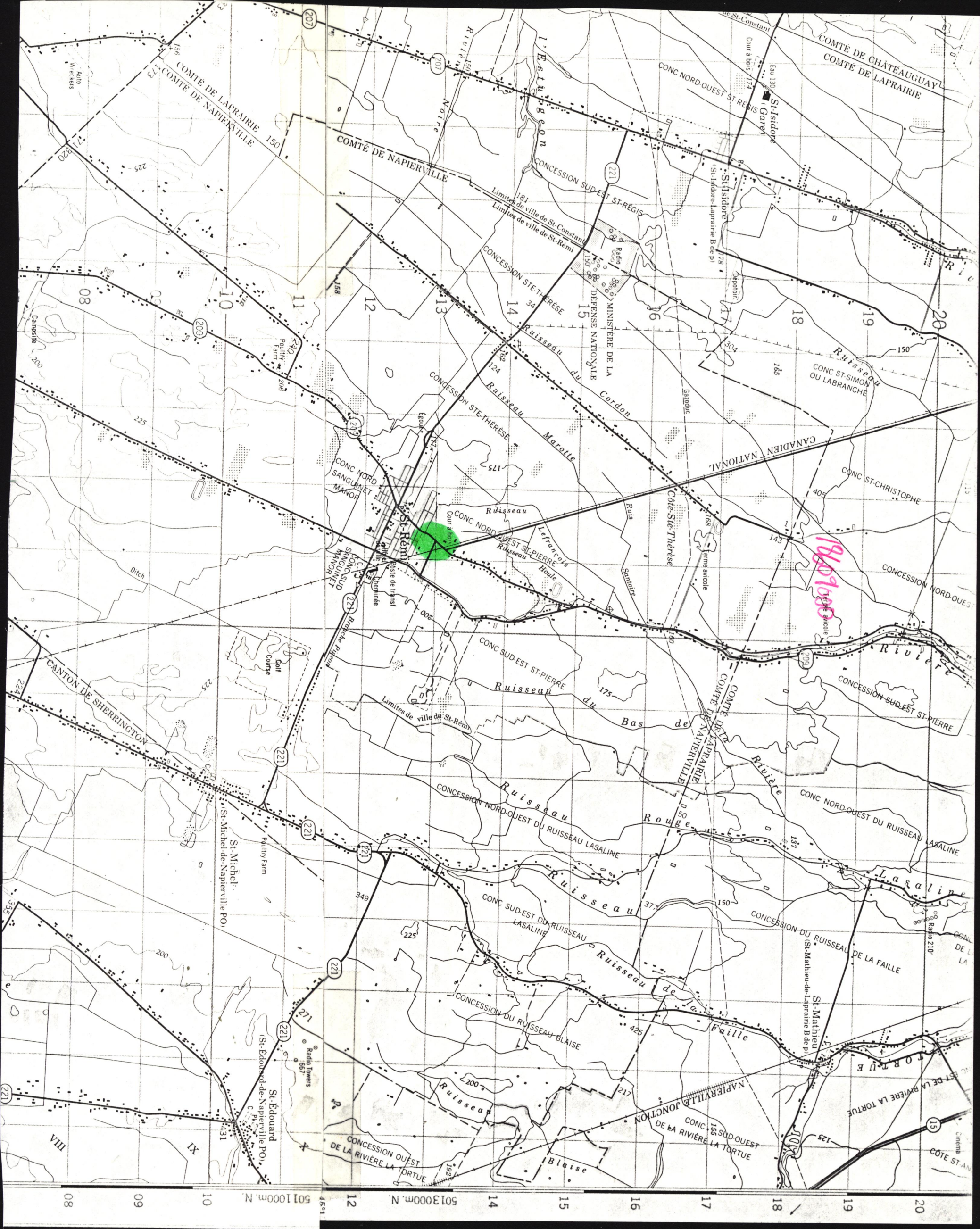
NE quad $\phi = 90 - \alpha$

NW quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

⑪ ϕ =


COMTÉ DE CHÂTEAUGUAY
COMTÉ DE LAPRAIRIE
COMTÉ DE NAPIERVILLE
CONC NORD-OUEST ST-RÉGIS
St-Isidore (Gare)
St-Isidore
(St-Isidore-Laprairie B de p)
CONCESSION SUD-EST ST-RÉGIS
Limites de ville de St-Constant
Limites de ville de St-Rémi
CONCESSION STE-THÉRÈSE
MINISTÈRE DE LA DÉFENSE NATIONALE
Ruisseau du Cordon
Ruisseau Marotte
CONC ST-SIMON OU LABRANCHE
CANADIEN NATIONAL
CONC ST-CHRISTOPHE
CONC NORD SANGUINET MANOR
St-Rémi
CONC NORD-OUEST ST-PIERRE
Ruisseau Lefrançois
Ruisseau Houle
Côte-Ste-Thérèse
Ruis Santoire
Ferme avicole
CONCESSION NORD-OUEST
CONC SUD-EST ST-PIERRE
Ruisseau du Bas de la Rivière
CONCESSION SUD-EST ST-PIERRE
CANTON DE SHERRINGTON
Golf Course
Limites de ville de St-Rémi
CONCESSION NORD-OUEST DU RUISSEAU LASALINE
Ruisseau Rouge
CONC NORD-OUEST DU RUISSEAU LASALINE
St-Michel (St-Michel-de-Napierville PO)
Poultry Farm
CONC SUD-EST DU RUISSEAU LASALINE
Ruisseau Lasaline
CONCESSION DU RUISSEAU DE LA FAILLE
St-Mathieu (St-Mathieu-de-Laprairie B de p)
Ruisseau de la Faille
CONCESSION DU RUISSEAU BLAISE
St-Édouard (St-Édouard-de-Napierville PO)
Radio Towers
NAPIERVILLE JONCTION
CONC SUD-OUEST DE LA RIVIÈRE LA TORTUE
CONCESSION OUEST DE LA RIVIÈRE LA TORTUE
Ruisseau Blaise
Cinéma
501 1000m. N
501 3000m. N