

# **FORECASTING FOREST FIRE DANGER IN QUEBEC 1967 FIRE SEASON**

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**FORECASTING FOREST FIRE**

**DANGER IN QUEBEC**

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## FOREWORD

In 1967 the Forest Fire Research Institute, Department of Forestry and Rural Development, established a Forest Fire Danger Forecast Service for Quebec. As this Service is located at the Montreal International Airport, Dorval, it has access to all the latest weather forecasts available.

Thanks to the whole-hearted cooperation of the meteorologists, Department of Transport, this Service provides special fire-weather forecasts and forecasts of fire danger indexes to the Quebec forest protection organizations, for specific divisions of their areas.

## I. INTRODUCTION

Forest Fire Danger Forecasts from Foret-Meteo were used in Quebec for the first time during the 1967 forest fire season. The control offices, generally being the offices of the protection associations and forestry districts, transmitted by teletype the daily sun noon observations required by the Service. With the meteorologist's weather forecast for different areas and the sun noon observations, the Forecast Service was able to prepare and distribute, twice daily, forecast fire danger indexes covering 65 zones of the province.

Each day at approximately 4:00 P.M. twenty control offices received, by teletype, a 24 hour weather forecast. Included in the message were the danger indexes of the following days for the zones of each protection organization.

At approximately 8:00 A.M. the following day, the same offices received a revised weather forecast valid for a period of 12 hours and the revised fire danger indexes for the current day. Around 11:00 A.M. the 8:00 A.M. weather forecast was supplemented by a 72 hour weather forecast.

The experience of the past year provides records that permit discussion of the results obtained and how to improve the Forecasting for the next season.

### III. FOREST FIRE DANGER

In order to understand the evaluation of forest fire danger by the Forestry Branch system it is essential to define certain terms. Fire danger indexes calculated by this system do not have the same definition as those determined by other systems. The choice of a system depends on its effectiveness and practicability.

The Forestry Branch system classifies fuels usually found in the forest into two types; the first type consists of fuels such as grass, dead leaves, etc., which, when dry, ignite readily and are consumed rapidly. They are known as light fuels and are often the starting point of fires. The second type includes fuels of large diameter or peaty nature which ignite and are consumed slowly; they are called heavy fuels. The moisture content of the latter will affect not only the amount of energy released by the fire but also the difficulty encountered in extinguishing it.

The Drought Index reflects the effect of precipitation on the moisture content of heavy fuels. It is expressed by a scale from 0 to 25. The "0" index represents a high moisture content. This index increases one unit per day in the absence of rain or decreases depending upon the amount of rain that has fallen. Extended experiments have shown that after twenty-five consecutive days without significant precipitation most heavy fuels will have a very low moisture content.

The Fire Danger Index represents the danger of fires starting and spreading in an administrative area where there are a number of different fuel types. It is computed from values of weather factors: relative humidity, wind and precipitation; modified by the Drought Index.

The Service issues forecasts of Drought and Danger Indexes. From these indexes, the forester is able to calculate the Fire Hazard Indexes for other fuel types such as slash or fast-drying forest types which may exist in the area under his jurisdiction.

Specific instructions concerning the way to record weather readings and the procedure to follow in computing the danger of fires starting and spreading are given in the Quebec Forest Fire Danger Tables. (1)

### III. ACCURACY OF THE FIRE DANGER FORECASTS

The accuracy of the forest fire danger forecast depends largely on the interpretation of the weather forecast. The accuracy of the forecasts is expressed here as a percentage, giving the number in percent of ideal, acceptable and satisfactory forecasts.

The fire danger scale is divided into the following five classes: nil (index 0), low (1 to 4), moderate (5 to 8), high (9 to 12) and extreme (13 to 16).

#### A. Ideal forecast:

A forecast is ideal if the class of the index forecast is correct or if an index error is  $\pm 1$  unit only.

#### B. Acceptable forecast:

A forecast is acceptable if the class of the index forecast is not correct but the index error is  $\pm 2$  units only.

#### C. Satisfactory forecast:

A satisfactory forecast is a forecast which is ideal or acceptable.

#### D. Calculation of accuracy:

The monthly calculation of accuracy is shown by protection areas in the tables 1 to 30 found in the appendix. These tables are made up of two sections: the left section gives the number of forecasts (24 hour/12 hour) in periods of seven days which are ideal and acceptable. The right section indicates the accuracy, in percent, of forecasts (24 hour/12 hour) which are ideal, acceptable and satisfactory.

Table no. 31 shows the result covering a period from May to September for the whole province. The accuracy of the 24 hour satisfactory forecasts for the 65 zones is 81% as compared to 84% for the 12 hour forecast. The accuracy of the 24 hour ideal forecasts is 75% and 78% for the 12 hour ideal forecasts.

#### IV. FORECAST PROGRAM FOR THE 1968 PROTECTION SEASON.

##### A. Regular Program:

The regular program is divided into the following three parts:

###### 1) Approximately 8:00 A.M. :

1.1) Weather forecast for current day valid until 6:00 P.M.  
Note that no indexes will be sent at this time.

###### 2) Approximately 10:30 A.M. :

2.1) Weather forecast for a period of 72 hours.  
2.2) Index forecast for 48 hours, i.e. the revised forecast  
for the present day and the forecast indexes for the following day.

###### 3) During the afternoon around 4:00 P.M. :

3.1) Weather forecast for a period of 72 hours.  
3.2) Index forecast for 48 hours, i.e. a forecast for the next  
day and the day after.

##### B. Special Program:

Upon request, special forecasts are transmitted for fires after  
an exhaustive physical and geographical description is received from  
the field. Both starting point and head of the fire are located by  
grid-system. Repeated requests can be made for revised forecasts.

## **FORET-METEO**

## FIRE-WEATHER STATIONS REPORT

## V. FOREST FIRE-WEATHER STATION REPORT

1. At sun noon, the observer records on a special form the weather data needed by the Forecast Service. The following is a brief description of the data needed:

STATION NUMBER: The station number is indicated by a three figure group and is used on the weather forecast map to identify the forest protection organizations and the forecast regions.

WEATHER: Using the meteorological code, the observer records the cloud cover, drizzle, rain, showers or thundershowers.

PRECIPITATION: The amount of rain measured to the nearest hundredth of an inch which has fallen since the last danger index was computed, is recorded.

WIND: The wind direction (DD) and the wind speed (VV) is noted in code.

T°: Air temperature (TT) in °F is noted.

RH: The relative humidity (RH) is computed.

INDEXES: The present day's drought and danger indexes at noon are computed using the Quebec Forest Fire Danger Tables.(1)

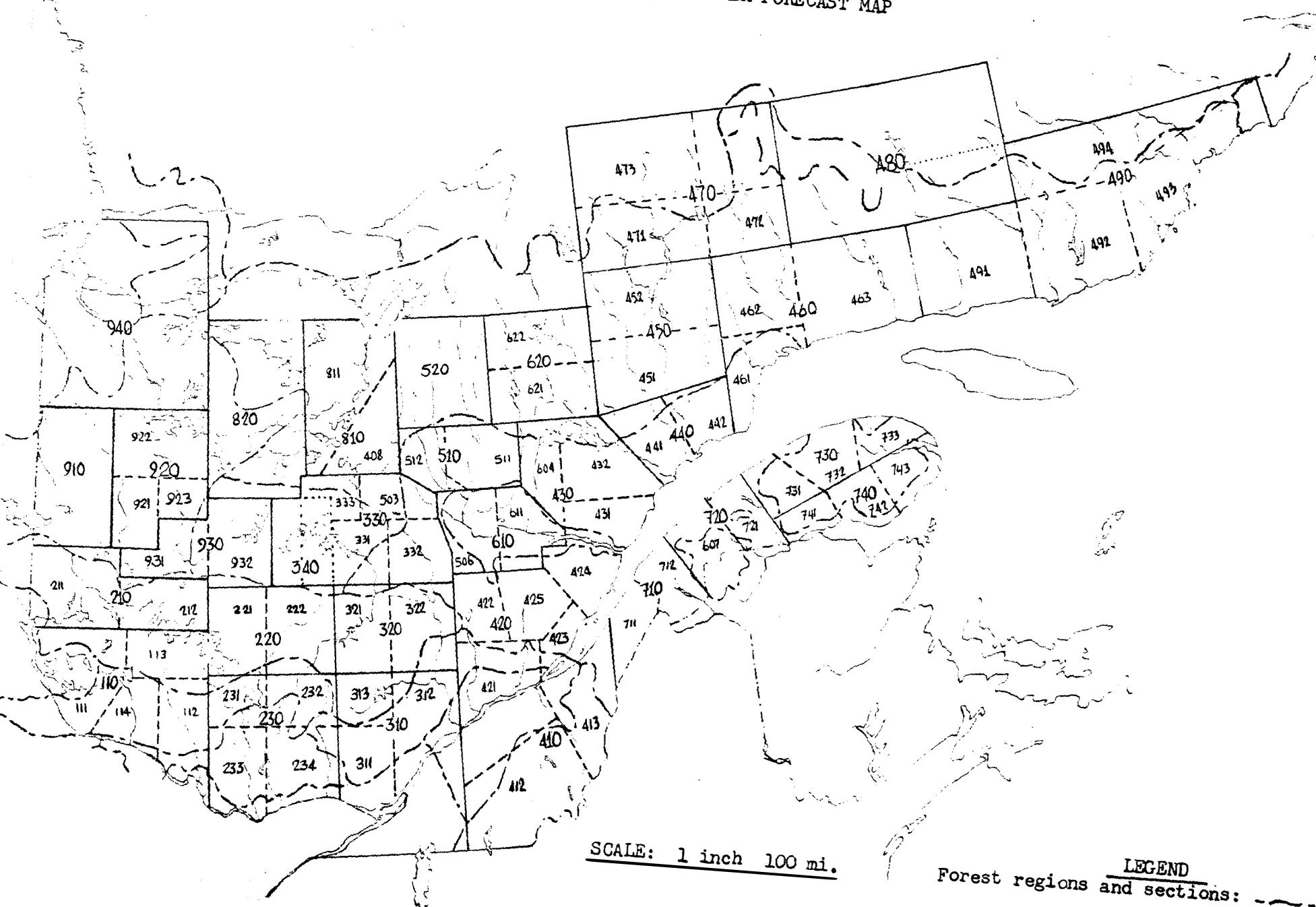
The fire-weather reports are then collected by the various Control Offices and sent by teletype to the Forecast Service. The evenly spaced order used for transmission of data facilitates coding, transmission by teletype and interpretation of the fire-weather report. It is important to note that each section of the coded weather report is separated from the next by two spaces.

Example:            231 02 08 0408 68 48 07 06

representing        NO tt QQ DDVV TT HH INDEXES

2. At 8:00 A.M. (local time), the observer records the amount (QQ) of rain which has fallen since the last danger index was computed. This data is required as soon as possible by the Service, i.e. not later than 9.00 A.M.

## FIRE DANGER FORECAST MAP



SCALE: 1 inch 100 mi.

LEGEND

Forest regions and sections: \_\_\_\_\_

Forecast regions and areas: \_\_\_\_\_

## VI. EXPLANATION OF THE FIRE DANGER FORECAST MAP

As soon as the noon observations are received by the Forecast Service, they are immediately verified and plotted on the fire danger forecast map. This map shows the location of the fire-weather stations, the forest regions and sections, the weather forecast and index forecast areas.

### FOREST REGIONS AND SECTIONS:

The definition of forest regions and sections are the ones established by J.S. Rowe (9). They contain a distinctive pattern of vegetation and physiography.

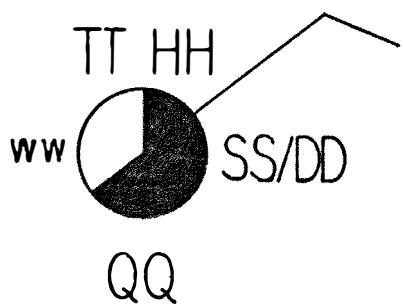
### WEATHER FORECAST AND INDEX FORECAST AREAS:

The weather forecast areas were set up to facilitate the exchange of data, the issue of forecasts and the control of the forest fires. In determining the boundaries of these areas, consideration was given to the demarcation of forest regions and sections and also to the existing limit boundaries or divisions used by the protection organizations concerned with forest fire control.

### PLOTTING THE NOON DATA:

Below is an example of how a fire-weather report is plotted on the forecast map:

- 1) The station circle locating the fire weather station is filled in with a dark shade, in proportion to the amount of cloud reported.
- 2) The wind direction is represented by an oriented straight line touching the station circle. Speed is shown by plotting one or more bars at the end of the wind direction line.
- 3) The temperature (TT), the relative humidity (HH), the actual weather (WW), the precipitation (QQ) and the indexes (SS/DD) are directly plotted on the map as shown in example.



## FORET-METEO

48 HOUR FIRE DANGER FORECAST-----  
date-hour

PERIODS: A-B-C-D	WEATHER FORECAST										FIRE DANGER FORECAST									
	AREA NO	WEATHER		RAIN		WIND			T°	RH	24h.		48h.							
		ww	hh	ww	hh	QQ	PP	DD	VV	VV	hh	DD	VV	VV	TT	HH	SS	DD	SS	DD
A																				
T°																				
Max																				
B																				
T°																				
Min																				
C																				
T°																				
Max																				
D																				
T°																				
Max																				

A today until 6.00 p.m.

B tonight 6.00 p.m. to 6.00 a.m.

C tomorrow 6.00 a.m. to midnight

D Next day midnight to midnight

RH corresponding to T°

## VII. EXPLANATION OF THE 48 HOUR FIRE DANGER FORECAST FORM

Once the plotted observations have been studied, the Service evaluates the daily drought and danger indexes for each forecast area. Following this, is an interpretation or adaptation of maps and weather bulletins received from the Forecast Office in Dorval. This results in an index forecast valid for a period of approximately 48 hours.

The 48 hour fire danger forecast form is divided into two distinct sections: The left section is used to record the weather forecast and its interpretation, the right section being used to compute the fire danger forecast.

The weather forecast for the period A only will be transmitted around 8:00 A.M.; periods A, B, C, D will be transmitted at approximately 10:00 A.M.; the final forecast of the day is transmitted around 4:00 P.M. and consists of periods B, C, and D.

Transmissions are processed in a conventional code as shown below:

WEATHER		PRECIPITATION Amount inches		WIND DD Direction, true north	
WW		QQ		00	Calm
00	clear no cloud	01	.01 - .10	02	NNE
01	scattered 5/10 or less cloud	25	.11 - .25	04	NE
02	broken 6/10 to 9/10 cloud	50	.26 - .50	07	ENE
03	overcast 10/10 cloud	10	.51 - +	09	E
05	haze	PP	Probability	11	RSE
41	fog patches	11	10%	14	SE
50	drizzle, intermittent light	22	20%	16	SSE
51	" , continuous light	33	30%	18	S
52	" , intermittent moderate	4..	...	20	SSW
53	" , continuous moderate	00	100%	22	SW
58	drizzle and rain, light			25	WSW
59	" " , moderate			27	W
60	rain, intermittent light			29	WNW
61	" , continuous light			32	NW
62	" , intermittent moderate			34	NNW
63	" , continuous moderate			36	N
80	rainshowers, light			99	Vble
81	" . moderate or heavy				
87	" . scattered				
88	" . widely scattered				
95	thunderstorm, light or moderate without hail				
96	" . moderate or light with hail				
97	" . scattered				
98	" . widely scattered				
99	" . heavy with hail				
VV Speed miles per hour					
16Z = Noon hh = Time of change in weather :: = Two types of weather at same period of time					
T° = Temperature RH = Relative humidity					

## VIII. CONCLUSION

Evolution is the essential characteristic of the weather; thus the complexity of the problem demands from the meteorologists a continuous study of 24 hours per day, 7 days per week. The weather forecast is frequently expressed in a positive way and gives one the impression that it will be perfectly attained. Actually the forecast is subjective and probable and must be continually verified and corrected.

Foret-Meteo, the name given to the Forecast Service, interprets and distributes the forecasts according to the interests of the foresters concerned with Forest Fire Protection. The network of fire-weather stations must be sufficiently dense so that no important meteorological phenomenon will pass by unnoticed. Because the fire-weather stations are reporters of the state of the atmosphere in their own regions, their daily characteristic reports show the result of the forecasts, permitting Foret-Meteo to verify and improve the interpretation of the forecasts and to know the actual fire danger of the region. Thus the continuity of the reports the number and quality of the stations are essential factors for the usefulness and effectiveness of Foret-Meteo Service.

The conclusions to be drawn can be summarized as follows:

1. The weather forecast is only a tool which one must learn to use.
2. Because it is subjective and probable, the weather forecast must be continually verified and corrected.
3. The forecast accuracy depends on our interpretation and must be translated into forestry language.
4. Improvement of the forecast interpretation and knowledge of the actual fire danger are particularly dependent on the quality and number of fire-weather stations.
5. In the fire danger forecast, the index calculation must be simple and practical. Any other way would be absurd.
6. The main duty of the forest fire-weather forecaster is to develop an efficient method of applying weather forecasts for forestry purposes.
7. During a fire, in addition to the vigilance of the forecaster, there must exist direct and repeated contacts between the fire weather forecaster and fire control personnel, with exchange of information continually taking place.

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X. APPENDIX

Table 1

## OTTAWA-GATINEAU

Area No	MAY										Forecast Accuracy					
											ideal		acceptable		satisfactory	
	1 / 8	8 / 15	15/22	22/29	29 / 1	total 1	& 1	total 2	% 2	% total						
Forecasts 24h/12h																
111		5/5	1/0	3/5	2/1	6/6	-	3/3	-		17-19	71-79	3-1	12-4	83	83
112		4/5	1/1	5/6	1/1	6/5	-	2/2	1/1		17-18	71-75	3-3	12-12	83	88
113																
114		6/6	1/1	5/4	0/1	5/4	-	3/3	-		19-17	79-71	1-2	4-8	83	79
211*		1/1	-	6/4	0/1	3/3	2/2	3/3	-		13-11	72-61	2-3	11-17	83	78
212*		-	-	6/4	-	5/6	1/0	2/1	1/2		13-11	77-65	2-2	12-12	89	77
221*		5/5	-	6/5	-	4/4	1/0	3/3	-		18-17	78-74	1-0	4-0	82	74
222*		1/1	-	6/6	-	7/6	-	2/2	1/1		16-15	84-79	1-1	5-5	89	84
231		5/5	0/2	4/5	1/0	4/6	1/0	3/3	-		16-19	67-79	2-2	8-8	75	88
232		5/4	0/1	3/5	2/1	6/7	-	3/3	-		17-19	71-79	2-2	8-8	79	79
233		6/5	-	5/6	-	5/4	1/1	3/3	-		19-18	79-75	1-1	4-4	83	79
234		6/6	-	5/5	0/1	6/6	0/1	3/3	-		20-20	83-83	0-2	0-8	83	92

Table 2

## OTTAWA-GATINEAU

Area No	JUNE										Forecast Accuracy					
	1 / 8		8 / 15		15/22		22/29		29/ 1		ideal	acceptable	satisfactory			
	Forecasts 24h/12h										total 1	% 1	total 2	% 2	% total	
111	6/6	-	6/6	-	6/5	0/2	6/4	1/0	1/1	-	25-22	83-73	1-2	3-7	87	80
112	5/4	-	5/6	-	6/6	-	7/5	-	1/1	-	24-22	80-73	0-0	0-0	80	73
113*	4/4	-	5/6	-	7/6	-	6/4	0/1	2/0	0/1	24-20	86-71	0-2	0-7	86	78
114	5/4	0/1	6/6	-	7/5	0/1	6/5	-	0/0	-	24-20	80-67	0-2	0-7	80	73
211	5/6	1/0	4/5	1/0	6/5	-	5/5	-	1/0	0/1	21-21	70-70	2-1	7-3	77	73
212	6/6	-	5/6	-	6/6	0/1	5/5	-	1/0	-	23-23	77-77	0-1	0-3	77	80
221	5/6	-	4/4	1/0	6/6	-	6/4	0/1	1/0	1/0	22-20	73-67	2-1	7-3	80	70
222	6/6	-	4/4	-	6/6	-	7/4	0/2	2/1	-	25-21	83-70	0-2	0-7	83	77
231	6/6	-	5/6	-	5/7	-	5/4	1/1	1/1	-	22-24	73-80	1-1	3-3	77	83
232	6/5	-	5/6	1/0	6/7	-	6/5	-	2/1	0/1	25-24	83-80	1-1	3-3	87	83
233	5/4	-	5/6	-	3/6	1/0	5/5	-	2/1	0/1	20-22	67-73	1-1	3-3	70	77
234	6/5	-	6/6	-	5/7	-	5/5	1/0	1/1	-	23-24	77-80	1-0	3-0	80	80

Table 3

## OTTAWA-GATINEAU

Area No	JULY										Forecast Accuracy					
						ideal					acceptable		satisfactory			
	1 / 8	8 / 15	15/22	22/29	29/ 1	total 1	% 1	total 2	% 2	% total						
Forecasts 24h/12h																
111	5/6	0/1	3/3	1/1	6/6	1/0	4/3	1/1	3/3	-	21-21	68-68	3-3	10-10	77	77
112	4/5	-	5/4	0/1	4/4	1/0	5/6	1/0	3/3	-	21-22	68-71	2-1	6-3	74	74
113	4/5	-	6/6	-	4/3	1/3	4/4	1/0	2/2	-	20-20	65-65	2-3	6-10	71	74
114	2/2	1/1	4/2	-	3/3	0/1	3/4	1/1	2/2	1/1	14-13	45-42	3-4	10-13	55	55
211	5/6	1/1	3/4	-	6/5	1/2	4/5	1/1	2/3	-	20-23	65-74	3-4	10-13	74	87
212	3/3	0/1	3/2	0/1	7/7	-	4/4	1/1	2/2	-	19-18	61-58	1-3	3-10	65	68
221	4/3	1/1	4/4	1/2	4/5	2/1	4/4	-	3/2	0/1	19-18	61-58	4-5	13-16	74	74
222	4/3	1/2	4/4	0/1	4/5	3/2	3/3	1/1	2/2	-	17-17	55-55	5-6	16-19	71	74
231	6/6	-	4/4	-	5/4	0/1	5/6	-	3/3	-	23-23	74-74	0-1	0-3	74	77
232	5/5	1/1	6/4	-	5/5	-	3/4	-	3/3	-	22-21	71-68	1-1	3-3	74	71
233	6/6	-	3/4	2/0	5/3	2/3	4/6	1/1	3/3	-	21-22	68-71	5-4	16-13	84	84
234	6/5	0/1	5/6	-	4/4	-	4/5	1/1	2/2	-	21-22	68-71	1-2	3-6	71	77

Table 4

## OTTAWA-GATINEAU

Area	AUGUST					Forecast Accuracy						
	1/ 8	8 /15	15/22	22/29	29/ 1	ideal	total 1	% 1	ideal	total 2	% 2	satisfactory
No	Forecasts 24h/12h										% total	
111	5/5	1/1	6/6	1/1	5/6	2/1	5/6	1/1	2/3	-	23-26	74-84
112	6/6	-	7/7	-	7/7	-	6/6	1/1	2/2	-	28-28	90-90
113	5/6	1/0	7/7	-	7/7	-	6/7	-	2/3	-	27-30	87-97
114	7/7	-	7/7	-	6/6	-	4/5	1/1	2/2	1/1	26-27	84-87
211	6/6	-	6/6	-	6/7	-	6/7	-	2/3	1/0	26-29	84-94
212	6/6	-	7/7	-	7/7	-	6/6	-	3/3	-	29-29	94-94
221	5/6	1/0	5/6	1/0	6/6	1/1	4/4	1/1	3/2	-	23-24	74-77
222	6/5	0/1	4/5	1/1	7/6	0/1	5/5	1/1	3/3	-	25-24	81-77
231	6/6	-	5/6	1/0	6/6	-	5/5	1/1	3/3	-	25-26	81-84
232	6/6	-	6/6	-	6/6	-	6/6	1/1	2/3	-	26-27	84-87
233	6/6	-	6/6	-	5/6	-	4/5	1/1	3/3	-	24-26	77-84
234	6/6	-	6/6	-	7/6	0/1	5/6	1/1	2/3	-	26-27	84-87

Table 5

## OTTAWA-GATINEAU

Area No	SEPTEMBRE					Forecast Accuracy									
						ideal	acceptable	satisfactory							
	1 / 8	8 / 15	15/22	22/29	29/ 1	total 1	% 1	total 2	% 2	% total					
Forecasts 24h/12h															
111	7/7	-	6/6	0/1	6/6	-	7/3			26-22	93-92	0-1	0-4	93	96
112	6/6	1/1	6/6	-	6/6	-	7/3			25-21	89-88	1-1	4-4	93	92
113	6/6	1/1	5/5	1/0	6/6	-	7/3			24-20	86-83	2-1	8-4	93	88
114	7/6	0/1	6/6	-	6/6	-	7/3			26-21	93-88	0-1	0-4	93	92
211	7/7	-	5/5	1/1	6/6	-	5/3			23-21	82-88	1-1	4-4	86	92
	7/6	-	5/5	1/1	6/6	-	7/3			25-20	89-83	1-1	4-4	93	88
221	5/5	1/1	5/5	1/1	6/6	-	7/3			23-19	82-79	2-2	8-8	89	88
222	6/6	-	6/7	1/0	5/5	1/1	7/3			24-21	86-88	2-1	8-4	93	92
231	6/7	-	6/6	1/1	7/7	-	7/3			26-23	93-96	1-1	4-4	96	100
232	7/6	0/1	7/7	-	6/6	-	7/3			27-22	96-92	0-1	0-4	96	96
233	6/5	1/2	7/6	-	6/6	0/1	7/3			26-20	93-83	1-3	4-12	96	96
234	6/7	1/0	6/6	-	6/7	-	7/3			25-23	89-96	1-0	4-0	93	96

Table 6

## ST-MAURICE

Area	MAY					Forecast Accuracy									
	1 / 8	8 / 15	15/22	22/29	29/ 1	ideal	acceptable	satisfactory	total 1	% 1	total 2	% 2	% total		
No	Forecasts 24h/12h														
311		6/6	1/1	5/6	-	4/4	1/1	3/3	-	18-19	75-79	2-2	8-8	83	88
312		6/6	-	2/5	2/1	6/6	1/1	3/3	-	17-20	71-83	3-2	12-8	83	92
313		4/5	2/2	4/6	-	4/6	2/1	3/3	-	15-20	63-83	4-3	17-12	79	96
321		5/4	-	4/5	-	5/6	1/1	3/2	-	17-18	71-75	1-1	4-4	75	79
322		5/6	-	4/5	1/1	6/6	0/1	2/2	-	17-19	71-79	1-2	4-8	75	88
331		5/5	-	3/2	-	4/5	1/1	3/2	0/1	15-14	63-58	1-2	4-8	67	67
332		6/6	-	5/3	0/1	4/5	1/1	1/0	-	16-14	67-58	1-2	4-8	71	67
333*				1/3	1/1	5/7	-	3/2	-	9-12	56-75	1-1	6-6	62	81

Table 7

## ST-MAURICE

	JUNE										Forecast Accuracy											
	ideal					acceptable		satisfactory														
Area	1 / 8		8 / 15		15/22		22/29		29/ 1		total 1	% 1	total 2	% 2	% total							
	No	Forecasts 24h/12h																				
<b>I 23</b>																						
311	5/5	-	4/5	-	4/7	-	5/5	2/1	0/1	-	18-23	60-77	2-1	7-3	67	80						
312	6/6	-	5/5	-	3/4	2/2	5/5	0/1	1/1	-	20-21	67-70	2-3	7-10	73	80						
313	5/5	-	3/5	1/0	5/6	-	5/5	1/1	1/1	-	19-22	63-73	2-1	7-3	70	77						
321	5/6	-	5/5	-	6/6	-	7/7	-	2/2	-	25-26	83-87	0-0	0-0	83	87						
322	5/6	-	4/6	-	5/5	0/1	7/6	0/1	2/1	0/1	23-24	77-80	0-3	0-10	77	90						
331	5/5	-	5/6	-	5/4	-	5/4	0/1	1/1	0/1	21-20	70-67	0-2	0-7	70	73						
332	5/6	-	5/7	-	4/4	1/1	7/6	-	1/1	-	22-24	73-80	1-1	3-3	77	83						
333	5/5	-	3/4	0/2	3/2	-	5/6	-	1/1	-	17-18	57-60	0-2	0-7	57	67						

Table 8

## ST-MAURICE

Area No	JULY										Forecast Accuracy					
						ideal		acceptable		satisfactory						
	1 / 8	8 / 15	15/22	22/29	29 / 1	total 1	% 1	total 2	% 2	% total						
Forecasts 24h/12h																
311	2/3	1/0	5/5	-	5/5	-	5/4	0/1	2/3	-	19-20	61-65	1-1	3-3	65	68
312	5/5	-	3/4	1/1	6/6	-	5/6	1/1	3/2	-	22-23	71-74	2-2	6-6	77	81
313	4/5	2/1	3/4	-	7/7	-	4/5	-	3/3	-	21-24	68-77	2-1	6-3	74	81
321	4/5	2/1	4/5	-	4/5	1/1	6/6	-	3/2	0/1	21-23	68-74	3-3	10-10	77	84
322	4/5	2/1	4/3	0/1	6/6	0/1	6/5	0/1	3/3	-	23-22	74-71	2-4	6-13	81	84
331	4/5	1/0	3/4	1/0	7/7	-	5/5	-	3/3	-	22-24	71-77	2-0	6-0	77	77
332	4/5	-	4/4	0/2	6/5	0/2	6/7	1/0	3/3	-	23-24	74-77	1-4	3-13	77	90
333	3/3	1/1	3/6	2/0	4/4	1/1	5/5	-	3/3	-	18-21	58-68	4-2	13-6	71	74

Table 9

## ST-MAURICE

Area No	AUGUST										Forecast Accuracy					
	1 / 8		8 / 15		15/22		22/29		29/ 1		ideal		acceptable		satisfactory	
											total 1	% 1	total 2	% 2	% total	
Forecasts 24h/12h																
311	6/6	-	5/6	-	7/7	-	6/7	-	3/3	-	27-29	87-94	0-0	0-0	87	94
312	6/6	-	3/6	2/1	7/7	-	5/4	2/2	3/3	-	24-26	77-84	4-3	13-10	90	94
313	6/6	-	5/5	-	6/7	-	7/7	-	1/2	1/1	25-27	81-87	1-1	3-3	84	90
321	6/6	-	6/6	-	7/6	-	6/6	-	3/3	-	28-27	90-87	0-0	0-0	90	87
322	6/6	-	6/6	-	6/6	1/1	6/6	-	2/2	-	26-26	84-84	1-1	3-3	87	87
331	5/4	0/1	5/5	-	6/6	-	7/7	-	2/2	-	25-24	81-77	0-1	0-3	81	81
332	6/6	-	5/5	-	6/5	1/2	5/5	1/1	1/2	-	23-23	74-74	2-3	6-10	81	84
333	5/6	2/1	5/6	-	-	-	-	-	-	-	10-12	69-85	2-1	15-8	84	94

Table 10

## ST-MAURICE

Area	SEPTEMBER					Forecast Accuracy								
	1 / 8	8 / 15	15/22	22/29	29/ 1	ideal	% 1	total 2	% 2	% total				
No	Forecasts 24h/12h													
311	6/7	1/0	7/7	-	6/6	-	2/2		21-22	91-96	1-0	4-0	96	96
312	6/7	1/0	7/7	-	6/6	-	2/2		21-22	91-96	1-0	4-0	96	96
313	6/6	1/1	6/7	-	7/7	-	2/2		21-22	91-96	1-1	4-4	96	100
321	5/5	-	7/7	-	6/6	1/1	2/2		20-20	87-87	1-1	4-4	91	91
322	7/7	-	7/7	-	7/7	-	1/1		22-22	00-00	0-0	0-0	100	100
331	6/6	-	6/6	-	5/5	2/2	3/3		20-20	83-83	2-2	8-8	92	92
332	6/6	1/1	7/7	-	4/4	-	-		17-17	94-94	1-1	6-6	100	100
333														

Table 11

## ABITIBI-CHIBOUGAMAU

Area	JUNE										Forecast Accuracy					
											ideal		acceptable		satisfactory	
	1 / 8	8 / 15	15/22	22/29	29/ 1	total 1	% 1	total 2	% 2	% total						
No	Forecasts 24h/12h															
811	6/7	-	4/6	-	5/5	2/1	2/5	2/1	1/1	-	18-24	60-80	4-2	13-7	73	87
408*			2/2	-	6/5	-	5/5	0/1	1/1	-	14-13	78-72	0-1	0-6	78	78
821	4/5	-	3/3	0/2	5/4	1/1	5/6	-	1/1	-	18-19	60-63	1-3	3-10	63	73
911*			1/2	-	5/3	0/1	6/7	1/0	1/1	-	13-13	68-68	1-1	6-6	74	74
921*	2/3	1/0	5/6	-	5/7	1/0	5/7	-	0/0	-	17-23	60-82	2-0	8-0	68	82
922*	3/4	-	5/4	-	5/5	1/1	3/4	1/1	0/0	-	16-17	57-61	2-2	7-7	64	68
931	4/3	1/1	4/6	-	5/5	1/1	2/3	1/1	1/0	0/1	16-17	53-57	3-4	10-13	63	70

Table 12

## ABITIBI-CHIBOUGAMAU

Area	JULY										Forecast Accuracy					
	ideal		acceptable		satisfactory											
No	1 / 8	8 / 15	15/22	22/29	29 / 1	total 1	% 1	total 2	% 2	% total						
Forecasts 24h/12h																
811	3/4	-	4/5	1/0	7/7	-	6/5	-	3/3	-	23-24	74-77	1-0	3-0	77	77
408*	3/4	1/1	3/5	1/0	4/5	1/1	6/6	-	3/3	-	19-23	63-77	3-2	10-6	73	83
820	2/4	-	4/5	-	6/7	-	4/5	2/0	3/3	-	19-24	61-77	2-0	7-0	68	77
911	2/4	1/0	2/3	2/1	4/6	2/0	3/4	2/1	2/2	-	13-19	42-61	7-2	23-7	65	68
921	2/1	1/2	3/4	1/0	6/7	1/0	4/4	-	3/3	-	18-19	58-61	3-2	10-7	68	68
922	1/2	2/2	4/3	1/1	5/7	2/0	5/5	-	1/1	1/1	16-18	52-58	6-4	19-13	71	71
931	3/3	0/1	4/3	-	5/5	-	4/5	-	3/3	-	19-19	61-61	0-1	0-3	61	65

Table 13

## ABITIBI-CHIBOUGAMAU

Area No	AUGUST										Forecast Accuracy					
											ideal		acceptable	satisfactory		
	1 / 8	8 / 15	15/22	22/29	29/ 1	total 1	% 1	total 2	% 2	% total						
Forecasts 24h/12h																
811*	6/6	-	6/7	-	6/7	-	5/5	-	2/3	-	25-28	86-97	0-0	0-0	86	97
408*	6/6	1/1	4/5	-	5/5	-	4/4	1/2	2/2	-	21-22	70-73	2-3	7-10	77	83
820*	7/7	-	5/6	-	6/7	-	4/4	-	3/3	-	25-27	86-93	0-0	0-0	86	93
911	5/5	-	7/7	-	7/7	-	6/6	-	2/3	-	27-28	87-90	0-0	0-0	87	90
921	5/4	1/2	7/7	-	6/7	-	6/6	-	3/3	-	27-27	87-87	1-2	3-6	90	94
922	5/5	0/1	5/6	-	6/7	-	5/5	1/1	3/3	-	24-26	77-84	1-2	3-6	81	90
931	6/6	-	5/6	1/0	6/7	-	5/6	-	2/2	-	24-27	77-87	1-0	3-0	81	87

Table 14

## ABITIBI-CHIBOUGAMAU

Area	SEPTEMBER					Forecast Accuracy					
	ideal		acceptable		satisfactory						
No	1 / 8	8 / 15	15/22	22/29	29/ 1	total 1	% 1	total 2	% 2	% total	
Forecasts 24h/12h											
811	7/7	-	4/4	2/2	6/6	-	3/3			20-20	83-83
408	4/4	-	3/3	-	6/6					13-13	93-93
820	7/7	-	5/5	1/1	5/5	1/1	2/3			19-20	79-83
911	7/7	-	6/6	-	6/6	-	3/3			22-22	92-92
- 30 -	921	4/6	3/1	6/6	-	6/6	-	3/3		19-21	79-88
	922	5/6	1/0							5-6	71-86
	931	6/5	0/1	4/5	2/1	6/5	-	3/3		19-18	79-75

Table 15

## GASPESIE

Area No	JUNE										Forecast Accuracy					
	1 / 8		8 / 15		15/22		22/29		29/ 1		ideal	acceptable	satisfactory			
											total 1	% 1	total 2	% 2	% total	
Forecasts 24h/12h																
711	5/5	-	4/5	0/1	5/6	-	4/6	1/1	1/1	-	19-23	63-77	1-2	3-7	67	83
712	5/5	-	3/4	1/0	5/5	0/1	6/7	-	1/2	1/0	20-23	67-77	2-1	7-3	73	80
721	2/1	2/2	4/4	-	2/3	-	4/6	-	0/0	-	12-14	40-47	2-2	7-7	47	53
607	5/5	-	3/6	1/0	6/4	0/1	6/7	-	2/2	-	22-24	73-80	1-1	3-3	77	83
731*	2/2	-	6/5	0/1	6/6	-	4/6	-	2/2	-	20-21	80-84	0-1	0-4	80	88
732*					4/3	-	3/3	1/1	0/0	1/1	7-6	44-38	2-2	12-12	56	50
733*					6/6	1/1	3/5	1/1	1/1	1/1	10-12	63-75	3-3	18-18	81	94
741*	5/5	0/1	6/6	-	5/5	-	4/6	-	2/2	-	22-24	76-83	0-1	0-3	76	86
742*	5/5	-	4/4	1/2	5/5	-	5/6	-	2/2	-	21-22	72-76	1-2	4-7	76	83
743*					1/1	1/1	4/5	1/1	0/0	2/2	5-6	31-38	4-4	25-25	56	63

Table 16

## GASPESIE

Area No	JULY										Forecast Accuracy					
	1 / 8		8 / 15		15/22		22/29		29 / 1		ideal	acceptable	satisfactory			
	total	%	total	%	total	%	total	%	total	1	1	2	2	total		
Forecasts 24h/12h																
711	4/6	1/1	3/4	1/1	5/5	1/2	4/6	-	2/2	-	18-23	58-74	3-4	10-13	68	87
712	5/6	1/1	4/4	0/1	4/4	2/1	4/5	-	2/2	-	19-21	61-68	3-3	10-10	71	77
721	3/6	-	4/5	1/1	6/6	-	4/5	-	3/3	-	20-25	65-81	1-1	3-3	68	84
607	3/6	2/1	4/6	-	4/7	2/0	4/6	1/0	3/2	-	18-27	58-87	5-1	16-3	74	90
731	3/5	1/0	5/6	-	5/6	-	5/6	-	2/2	1/1	20-25	65-81	2-1	6-3	71	84
732	3/5	-	4/6	-	5/6	1/0	6/5	0/1	3/3	-	21-25	68-81	1-1	3-3	71	84
733	3/6	-	4/5	1/2	7/7	-	4/4	-	2/2	1/1	20-24	65-77	2-3	6-10	71	87
741	5/7	-	5/6	-	5/6	1/0	5/6	-	2/2	-	22-27	71-87	1-0	3-0	74	87
742	4/3	1/2	4/5	1/1	4/6	2/0	4/5	-	1/1	1/1	17-20	55-65	5-4	16-12	71	77
743	3/4	0/1	5/5	-	5/6	1/0	4/3	1/2	1/1	1/1	18-19	58-61	3-4	10-13	68	74

Table 17

## GASPESIE

Area No	AUGUST										Forecast Accuracy					
						ideal		acceptable		satisfactory						
	1 / 8	8 / 15	15/22	22/29	29/ 1	total 1	% 1	total 2	% 2	% total						
	Forecasts 24h/12h															
711	5/5	2/2	6/6	-	5/6	2/1	6/6	-	3/3	-	25-26	81-84	4-3	13-10	94	94
712	5/5	-	6/6	-	6/5	-	5/5	1/1	3/3	-	25-24	81-77	1-1	3-3	84	81
721	5/5	1/1	6/6	-	7/7	-	5/5	-	3/3	-	26-26	84-84	1-1	3-3	87	87
607	5/6	2/0	6/6	-	6/5	-	6/6	-	3/2	0/1	26-25	84-81	2-1	6-3	90	84
731	6/7	-	7/7	-	7/6	0/1	5/5	-	3/3	-	28-28	90-90	0-1	0-3	90	94
732	5/6	1/1	5/5	-	7/6	-	4/3	3/3	3/3	-	24-23	77-74	4-4	13-13	90	87
733	3/6	3/1	6/7	1/0	6/5	-	5/6	-	3/3	-	23-27	74-87	4-1	13-3	87	90
741	6/7	-	7/7	-	7/6	-	6/6	-	3/3	-	29-29	94-94	0-0	0-0	94	94
742	5/6	1/1	6/7	1/0	7/6	-	4/5	2/2	3/3	-	25-27	81-87	4-3	13-10	94	97
743	4/5	2/2	6/6	-	5/4	1/1	3/3	1/1	2/3	-	20-21	65-68	4-4	13-13	77	81

Table 18

## GASPESIE

Area No	SEPTEMBER					Forecast Accuracy							
	1 / 8		8 / 15		15/22	22/29	29 / 1	ideal		acceptable			
	% 1	% 1	% 1	% 1	% 1	% 1	% 1	% 1	% 1	% 1	% 1		
Forecast 24h/12h													
711	6/6	-	6/6	1/1	5/5	-	3/3	20-20	83-83	1-1	4-4	88	88
712	7/7	-	7/7	-	1/1			15-15	00-00	0-0	0-0	100	100
721	6/6	1/1	6/6	1/1	4/4	2/2	3/3	19-19	79-79	4-4	17-17	96	96
607	7/7	-	7/7	-	5/5	1/1	3/3	22-22	92-92	1-1	4-4	96	96
731	7/7	-	7/7	-	2/2			16-16	00-00	0-0	0-0	100	100
732	7/7	-	7/7	-	6/6	-	2/2	22-22	92-92	0-0	0-0	92	92
733	7/7	-	6/7	-	4/5	2/1	2/2	19-21	79-88	2-1	8-4	88	92
741	6/6	1/1	7/6	0/1	1/1			14-13	93-87	1-2	7-13	100	100
742	7/7	-	7/7	-	5/4	1/2	3/3	22-21	92-88	1-2	4-8	96	96
743	7/6	-	7/7	-	2/2			16-15	00-94	0-0	0-0	100	94

Table 19

## CANTONS DE L'EST-BEAUCE-QUEBEC

Area	JUNE						Forecast Accuracy					
	ideal		acceptable		satisfactory							
No	1 / 8	8 / 15	15/22	22/29	29/ 1	total 1	% 1	total 2	% 2	% total		
Forecasts 24h/12h												
411												
412												
413												
- 35 -												
421	6/5	-	4/5	-	4/6	1/0	7/5	0/1	1/1	-	22-22	73-73
422	6/6	-	4/5	-	5/6	-	6/7	-	0/0	1/1	21-24	70-80
423	6/4	-	5/5	0/1	6/6	-	7/6	0/1	2/2	-	26-23	87-77
424	4/4	-	4/6	0/1	5/5	0/1	6/6	0/1	2/2	-	21-23	70-77
425	5/5	-	4/6	-	6/6	-	7/7	-	1/1	-	23-25	77-83

Table 20.

## CANTONS DE L'EST-BEAUCE-QUEBEC

Table 21

## CANTONS DE L'EST-BEAUCE-QUEBEC

Area No	AUGUST					Forecast Accuracy							
						ideal		acceptable		satisfactory			
	1 / 8	8 / 15	15/22	22/29	29/ 1	total 1	% 1	total 2	% 2	% total			
Forecasts 24h / 12h													
411													
412													
413													
421	6/6	1/1	4/6	1/0	7/7	-	5/5	1/1	3/3	-	25-27	81-87	3-2
422*	6/6	1/1	5/5	-	5/6	-	3/3	3/3	3/3	-	22-23	73-77	4-4
423	6/6	-	3/4	2/2	6/5	-	6/6	-	2/2	-	23-23	74-74	2-2
424*	6/6	-	6/6	-	7/6	-	5/4	2/3	2/3	-	26-25	87-83	2-3
425	6/6	-	4/6	1/0	5/5	-	6/6	1/1	3/3	-	24-26	77-84	2-1

Table 22

## CANTONS DE L'EST-BEAUCE-QUEBEC

Area No	SEPTEMBER						Forecast Accuracy					
	ideal		acceptable		satisfactory							
1 / 8	8 / 15	15/22	22/29	29/ 1		total 1	% 1	total 2	% 2	% total		
Forecasts 24h/12h												
411	7/7	-	5/5	2/2	5/4	2/3	7/3					
412	5/6	-	7/7	-	7/7	-	2/2	20-19	83-79	4-5	17-21	100
413	5/5	-	7/7	-	5/5	1/1	4/3	21-22	88-92	0-0	0-0	88
								20-20	83-83	1-1	4-4	88
421	6/6	1/1	7/7	-	5/5	-	1/1	19-19	86-86	1-1	5-5	91
422	3/3	-	6/6	1/1	6/6	1/1	1/1	16-16	84-84	2-2	11-11	95
423	6/6	-	7/7	-	5/5	1/1	1/1	19-19	86-86	1-1	5-5	91
424	6/6	-	7/7	-	7/7	-	1/1	21-21	00-00	0-0	0-0	100
425	7/7	-	7/7	-	5/5	1/1	1/1	20-20	91-91	1-1	5-5	95

Table 23

## BAIE-COMEAU

Area No	JUNE										Forecast Accuracy					
											ideal		acceptable		satisfactory	
	1 / 8	8 / 15	15/22	22/29	29/ 1	total 1	% 1	total 2	% 2	% total						
Forecasts 24h/12h																
431	4/4	1/1	6/5	0/1	5/6	1/0	4/5	1/1	2/2	-	21-22	70-73	3-3	10-10	80	83
432	5/5	-	6/5	-	5/6	-	5/6	-	1/1	-	22-23	73-77	0-0	0-0	73	77
441	5/3	-	6/6	-	6/6	-	4/7	1/0	1/1	-	22-23	73-77	1-0	3-0	77	77
442	5/3	0/2	6/6	-	6/6	-	5/6	-	1/1	-	23-22	77-73	0-2	0-7	77	80
451	4/4	-	6/6	-	6/6	-	5/5	-	1/1	-	22-22	73-73	0-0	0-0	73	73
452*	-	-	5/5	0/1	4/4	1/0	6/6	-	0/0	1/1	15-15	65-65	2-2	9-9	74	74
461	4/4	0/1	5/6	1/0	5/6	0/1	6/6	1/1	1/1	-	21-23	70-77	2-3	7-10	77	87
462																
463*	-	-	5/6	-	5/6	-	7/6	-	2/2	-	19-21	83-87	0-0	0-0	83	87
471																
472																

Table 24

BAIE-COMEAU

Table 25

## BAIE-COMEAU

Area No	AUGUST										Forecast Accuracy					
						ideal		acceptable		satisfactory						
	1 / 8	8 / 15	15/22	22/29	29 / 1	total 1	% 1	total 2	% 2	% total						
Forecasts 24h/12h																
431	5/6	1/0	5/6	-	6/6	-	7/7	-	2/2	-	25-27	81-87	1-0	3-0	84	87
432*	5/6	-	2/2	-	-	-	3/4	-	1/1	-	11-13	79-93	0-0	0-0	79	93
441*	6/6	-					3/2	0/1	2/2	-	11-10	79-71	0-1	0-7	79	79
442*	6/6	-					4/4	-	2/3	-	12-12	86-93	0-0	0-0	86	93
451*	7/7	-					4/3	-	3/3	-	14-13	00-93	0-0	0-0	100	93
452*	6/7	1/0					3/4	-	2/3	-	11-14	79-00	1-0	7-0	86	100
461*	6/6	-					3/4	-	3/2	-	12-12	86-86	0-0	0-0	86	86
462*	5/6	1/0					2/2	-	-	-	7-8	78-89	1-0	11-0	89	89
463*	6/7	1/0					4/4	-	2/2	-	12-13	86-93	1-0	7-0	93	93
471*	6/6	-					3/3	-	2/2	1/1	11-11	79-79	1-1	7-7	86	86
472*	4/4	1/1					2/3	-	2/2	-	8-9	62-69	1-1	8-8	70	77

Table 26

## BAIE-COMEAU

Area No	SEPTEMBER						Forecast Accuracy				
							ideal	acceptable	satisfactory		
	1 / 8	8 / 15	15/22	22/29	29/ 1		total 1	% 1	total 2	% 2	% total
Forecasts 24h/12h											
431	6/7	-	7/7	-	6/6	-	1/1				
432	3/3	-	6/6	1/1	5/5	1/1	1/1				
441	6/6	-	6/6	1/1	6/6	-	1/1				
442	6/6	-	6/7	-	5/5	1/1	1/1				
451	5/5	1/1	6/7	1/0	4/4	-	1/1				
452	6/6	-	6/6	-	5/5	1/0	1/1				
461	4/4	1/1	7/7	-	5/4	-	1/1				
462											
463	6/6	-	7/7	-	2/3	2/2	1/1				
471	2/2										
472	6/6	-	4/5	1/1	1/1						

Table 27

## CHICOUTIMI-LAC ST-JEAN-MISTASSINI-PERIBONKA

Area	JUNE										Forecast Accuracy				
	1 / 8		8 / 15		15/22		22/29		29 / 1		ideal	acceptable	satisfactory		
No	Forecasts 24h/12h										total 1	% 1	total 2	% 2	% total
511	5/6	-	7/6	0/1	7/6	-	4/4	0/1	1/1	-	24-23	80-77	0-2	0-7	80 83
512	4/5	-	3/6	2/0	1/2	-	4/4	0/1	1/1	-	13-18	43-60	2-1	7-3	50 63
503	5/5	-	4/4	-	3/4	2/1	4/3	2/3	0/1	-	16-17	53-57	4-4	13-13	67 70
520															
611	5/5	-	3/6	-	6/5	0/1	6/4	0/1	1/1	-	21-21	70-70	0-2	0-7	70 77
506	6/6	-	4/5	2/2	4/5	1/0	5/3	1/1	1/1	-	20-20	67-67	4-3	13-10	80 77
604	5/5	-	5/5	-	3/4	1/0	6/6	-	0/0	1/1	19-20	63-67	2-1	7-3	70 70
621*	-	-	5/7	-	6/6	-	6/5	1/0	1/1	-	18-19	78-83	1-0	4-0	83 83
622*	-	-	-	-	5/7	-	5/4	-	1/1	-	11-12	73-80	0-0	0-0	73 80

Table 28

## CHICOUTIMI-LAC ST-JEAN-MISTASSINI-PERIBONKA

Area	JULY										Forecast Accuracy					
	1 / 8		8 / 15		15/22		22/29		29 / 1		ideal	acceptable	satisfactory			
No	Forecasts 24h/12h										total 1	% 1	total 2	% 2	% total	
511	5/4	1/2	4/3	-	5/5	1/1	5/4	2/1	3/3	-	22-19	71-61	4-4	13-13	84	74
512*	3/4	-	4/3	0/1	6/5	0/1	3/3	-	2/2	-	18-17	60-57	0-2	0-6	60	63
503	4/5	1/0	4/3	1/0	6/5	0/1	5/5	-	3/3	-	22-21	71-68	2-1	6-3	77	71
520	3/0	0/1	4/5	1/1	5/5	-	4/5	-	3/3	-	19-18	61-58	1-2	4-7	65	65
611	5/4	1/0	4/5	0/1	6/7	-	6/7	-	3/3	-	24-26	77-84	1-1	4-3	81	87
506	2/4	2/0	4/5	0/1	6/7	-	6/7	-	1/1	1/1	19-24	61-77	3-2	10-7	71	84
621	4/5	-	4/1	-	4/3	-	7/6	-	2/2	-	21-17	68-55	0-0	0-0	68	55
622*	1/2	2/0	2/3	1/0	4/3	2/3	5/4	-	2/2	-	14-15	52-56	5-3	16-18	78	74
604	3/5	1/1	5/3	0/1	6/6	-	5/5	-	2/2	1/1	21-21	68-68	2-3	6-9	74	77

Table 29

## CHICOUTIMI-LAC ST-JEAN-MISTASSINI-PERIBONKA

Area No	AUGUST										Forecast Accuracy					
											ideal		acceptable		satisfactory	
	1 / 8	8 / 15	15/22	22/29	29/ 1	total 1	% 1	total 2	% 2	% total						
Forecasts 24h/12h																
511	5/6	1/0	5/5	-	6/6	0/1	5/5	1/1	1/2	-	22-24	71-77	2-2	6-6	77	84
512	4/6	2/0	4/3	2/3	7/6	0/1	6/6	-	2/2	-	23-23	74-74	4-4	13-13	87	87
503	4/4	-	5/5	-	5/5	0/1	6/5	-	2/3	-	22-22	71-71	0-1	0-3	71	74
520*	5/7	-	6/6	-	5/6	1/0	5/5	0/1	-	-	21-24	78-89	1-1	4-4	82	93
611	7/7	-	5/6	2/1	6/7	-	5/5	-	2/2	-	25-27	81-87	2-1	6-3	87	90
506	6/6	-	5/5	0/1	5/5	1/0	5/5	1/1	1/1	-	22-22	71-71	2-2	6-6	77	77
604*	6/6	1/1	4/6	1/0	4/5	1/0	5/5	1/1	1/2	-	20-24	67-77	4-2	13-6	80	84
621	5/5	1/1	5/5	-	7/7	-	5/5	1/1	2/2	-	24-24	77-77	2-2	6-6	84	84
622*	3/3	-	2/2	-	3/3	-	5/5	1/1	1/1	-	14-14	93-93	1-1	7-7	100	100

**Table 30**

CHICOUTIMI-LAC ST-JEAN-MISTASSINI-PERIBONKA

Forecast accuracy in percentage for the period of

Table 31

May-September 1967

FORET-METEO

**FIRE DANGER FORECAST FOR 48 HRS**

FORET-METEO

FIRE DANGER FORECAST FOR 48 HRS

FORET-METEO

FIRE DANGER FORECAST FOR 48 HRS

Date and hour:															
AREAS	VV	HH	QQ	L	SS'	SS	DD'	DD	VV	HH	QQ	L	SS	DD	NAME
430															ONATCHIWAY-FORESTVILLE
431															Escoumins
432															Sault-au-Cochon
440															BAIE-COMEAU
441															Outardes-4
442															Godbout
450															MANIC-5 L. STE-ANNE
451															Mille 90
452															Mille 135
460															PENTECOTE-RIV. ST-JEAN
461															Port Cartier
462															Nord Riv. aux Rochers
463															Rivière Manitou
470															GAGNON
471															Haut-Toulnoustouk
472															Lac Barbel
473															Nitchequon
474															Wabush
480															EON
490															NATASHQUAN-MECATINA
491															Havre St-Pierre
492															Natashquan
493															Harrington
494															Rivière Mécatina

FORET-METEO

**FIRE DANGER FORECAST FOR 48 HRS**