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Projet de refonte des avertissements: Changement prévus

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Refonte des avertissements

- **Projet prendra plusieurs années**
 - Nous allons modifier les bulletins, les outils des météorologistes, les systèmes de diffusion, les procédures, etc. de tous les avertissements (public, marine, qualité de l'air, etc)
- **Premiers changements prévus en 2012**
- **Une des premiers changement sera les bulletins**
 - Orages violents (bulletins avec entête WUCN)
 - Tornades (bulletins avec entête WFCN)



Buts visés dans cette première étape

- Outil plus convivial pour les météorologistes
- Minimiser le temps de traduction
 - Standardiser les mots/phrases utilisés dans ces avertissements le plus possible
 - Employer les cases mixtes ('proper case')
- Introduire divers niveaux d'alertes
- Donner des conseils aux citoyens pour se protéger

Systeme actuel de production des bulletins

The screenshot displays the Weather Analysis and Display System (WADS) interface. On the left, a map of Ontario is shown with several regions highlighted in red and purple. A 'ThuMP Activity Window' is overlaid on the map, providing instructions for selecting regions. On the right, a terminal window titled 'Xpredit 6.0' displays a severe thunderstorm warning bulletin for the Parry Sound - Muskoka area, issued on Wednesday, September 28, 2011, at 11:23 AM EDT. The bulletin includes a discussion section and safety precautions.

Weather Analysis and Display System - Version 9.18 <@stage1>

Tephi Display X Sect. T Sect. Fcsts Utility CLEAR Refresh OFF ThuMP Draw PRINT Forward Back QUIT

To BullPrep **ThuMP Activity Window**
Abandon For MULTIPLE Regions... RIGHT click.
hold and drag (upper left->lower right) to select the area.
For SINGLE Regions LEFT click your mouse within the region
you wish to add or delete in the bulletin. RED are Continued.
BLUE regions are New. YELLOW regions will be Ended.
Select a box in upper left when ready.

Xpredit 6.0 - .../bullprep/fcsts/workg/wu_svr_tstm.2 <@stage1>

Bulletin Document Edit File Transmit Utilities Viewer Sigwx Avipads Help

MUCN11 CWTO 281523
SEVERE THUNDERSTORM WARNING
ISSUED BY ENVIRONMENT CANADA
AT 11:23 AM EDT WEDNESDAY 28 SEPTEMBER 2011.

SEVERE THUNDERSTORM WARNING FOR:
=NEW= PARRY SOUND - MUSKOKA.

==DISCUSSION==
<discussion>

SEVERE THUNDERSTORMS ARE IMMINENT OR OCCURRING IN THE AREA. THESE STORMS MAY PRODUCE LARGE HAIL, DAMAGING WINDS OR HEAVY RAINFALL. REMEMBER THAT SOME SEVERE THUNDERSTORMS CAN ALSO PRODUCE TORNADOES.

MONITOR WEATHER CONDITIONS AND TAKE IMMEDIATE SAFETY PRECAUTIONS IF THREATENING WEATHER APPROACHES.

END/OSPC
\$\$\$\$^^

Doc: 1 Line: 1 Col: 1 INSERT AUTOINDENT WRAP

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Météorologiste produit un seul bulletin d'avertissement à la fois...

**WFCN13 CWWG 070003
TORNADO WARNING
ENDED BY ENVIRONMENT CANADA
AT 6:03 PM CST SATURDAY 6 AUGUST 2011.**

**TORNADO WARNING ENDED FOR:
R.M. OF WEYBURN INCLUDING WEYBURN AND MCTAGGART
R.M. OF LOMOND INCLUDING COLGATE AND GOODWATER
R.M. OF CYMRI INCLUDING MIDALE MACOUN AND HALBRITE.**

==DISCUSSION==

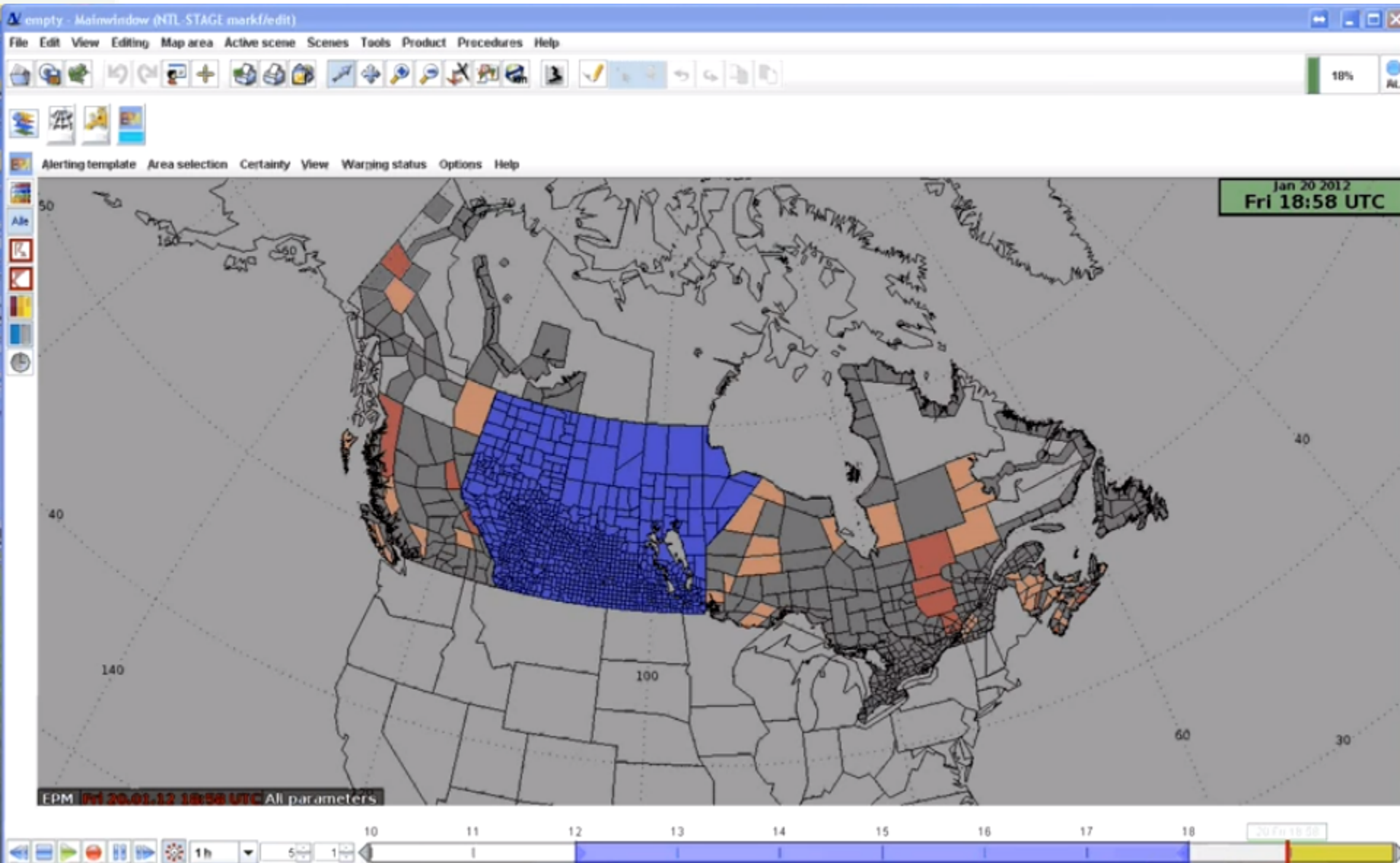
TORNADOES ARE NOT EXPECTED AT THE CURRENT TIME WITH THIS STORM AS IT SLIGHTLY WEAKENS. HOWEVER LARGE HAIL STRONG WINDS AND HEAVY RAIN ARE STILL POSSIBLE.

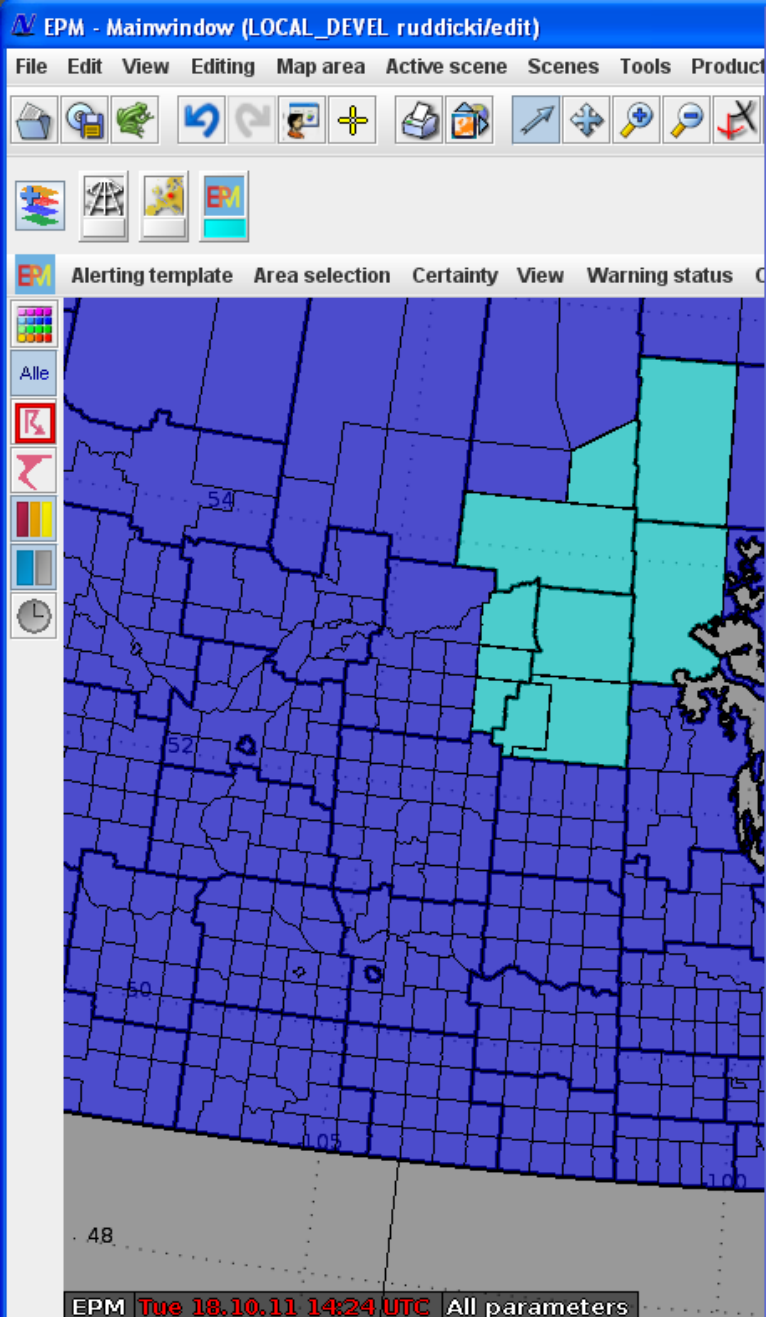
PLEASE REFER TO THE LATEST PUBLIC FORECASTS FOR FURTHER DETAILS.

END



Nouveau système (été 2012)





Alerting Template - empty

File Edit Options Help

Alert category: Thunderstorm Warning

Alert cause: -----WIND High Risk Tornado (ii=97)

Wind Gust (W) km/h: 90 <= W < 115
 Hail Diameter (H) cm: 2 <= H < 4.5
 Rainfall total (R) mm: 50 <= R < 100 mm/h

Certainty: Observed

Issuing time (UTC): Tue. 18.10.11 14:21

Valid time (UTC) from: Tue. 18.10.11 14:21
 to: Tue. 18.10.11 ??:00

Description

At **[** *DT]** meteorologists are tracking a dangerous [severe thunderstorm/dangerous line of severe thunderstorms] capable of producing winds greater than 140 km/h.

Canned Phrases (Do not modify this section.)

This thunderstorm is producing extreme winds capable of damaging large buildings, breaking trees and blowing vehicles off the road. Large hail, locally heavy rain and intense lightning are also occurring with this thunderstorm. Take shelter immediately.

Free format text

Doppler radar indicates that extreme damaging wind between **[**speed]** km/h and **[**speed]** km/h will affect the area over the next hour.

Headline

Thunderstorms with destructive wind! Seek sturdy shelter now!

You cannot send until the end of the validity period has been set.

Reset End warning Load Copy to clipboard Send Close

Été 2012, les nouveaux bulletins

11:06 PM EDT Saturday 5 June 2011

Tornado warning for

Windsor - Leamington - Essex County issued

At 11:00 PM EDT, meteorologists are tracking a dangerous thunderstorm that is likely producing a tornado. Doppler radar indicates strong rotation over southeast Michigan and it is moving to Essex County.

Communities in the path include:
south of Windsor at 11:15 PM EDT
Essex at 11:30 PM EDT
Leamington at 11:50 PM EDT

This is a dangerous and potentially life-threatening situation.

Emergency Management Ontario recommends that you take cover immediately, if threatening weather approaches.

Go indoors to a room on the lowest floor, away from outside walls and windows, such as a basement, bathroom, stairwell or interior closet. Leave mobile homes, vehicles, tents, trailers and other temporary or free-standing shelter, and move to a strong building if you can. As a last resort, lie in a low spot and protect your head from flying debris.

If you hear a roaring sound or see a funnel cloud, swirling debris near the ground, flying debris, or any threatening weather approaching, take shelter immediately.

For more information:

<http://www.emergencymanagementontario.ca/english/prepare/specific/specific.html>

Environment Canada continues to monitor the situation closely. Stay tuned to your local media or weatheradio for further updates. If you would like to report severe weather, you can send an email to storm.ontario@ec.gc.ca.

Updated or ended by 12:20 AM EDT

HH:MM xM <time zone> <day of the week> <day of the month> <month> <year>

Tornado warning for

<subzone name> <transition text>

<Description>

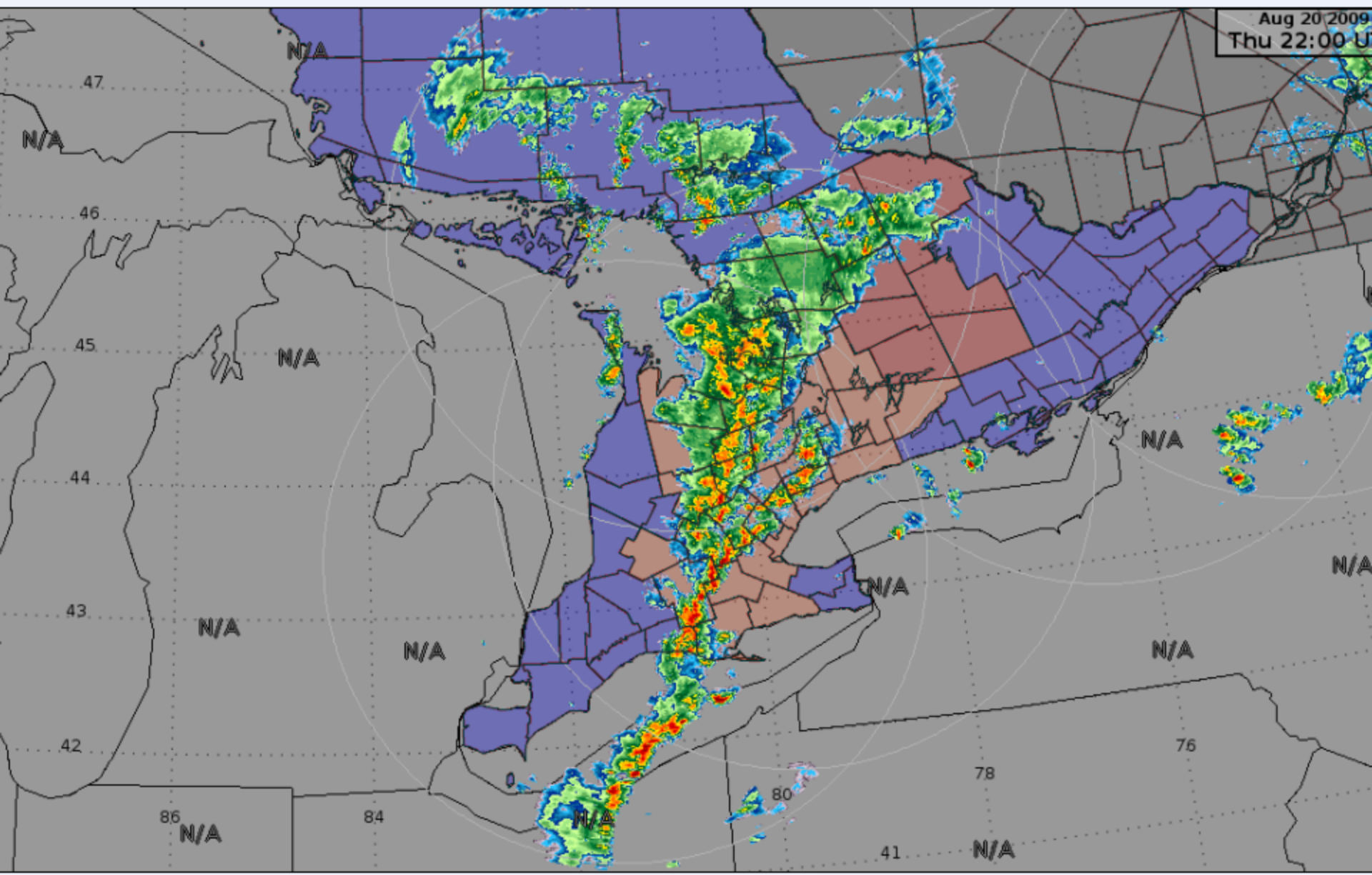
<Additional Information (free format)>

<Call to Action Statement(s)>

<Closing Statement>

<Forecast valid period>





Aug 20 2009
Thu 22:00 U

Nouveau système en 2012

- Système suggéra un texte selon la situation météo
- Permettra divers niveaux d'alertes
 - Conseils aux citoyens selon le niveau d'alerte
- Météorologiste pourra
 - travailler en cases mixtes
 - générer plusieurs bulletins/produits sans répéter le travail
 - superposer d'images radar, modèle, etc.
- Système sera plus robuste
- Traduction plus rapide (phrases standardisées)



Dans les prochaines années...

- Common Alerting Protocol
 - Ajout de fichiers audio/images aux alertes
- L'alerte fera partie d'une suite de produits pour alerter la population
 - Escalade
 - Plus de produits graphiques
 - Possible de générer produits/bulletins dans les deux (trois?) langues officielles automatiquement
- Alertes seront liés aux impacts, et seront émis en partenariats (provinces, municipalités, ministères, etc)



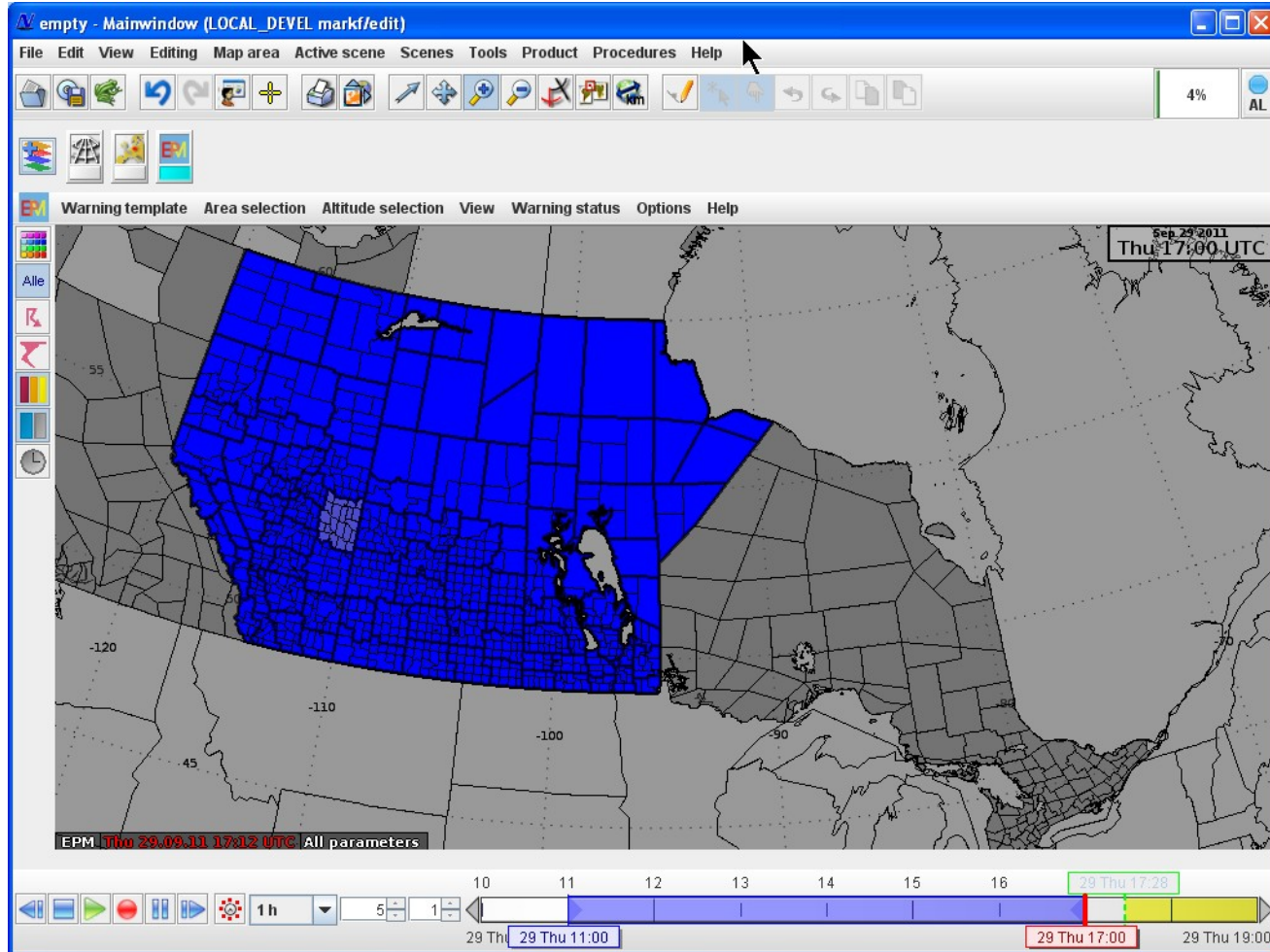
Annex



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NinJo EPM Screenshots

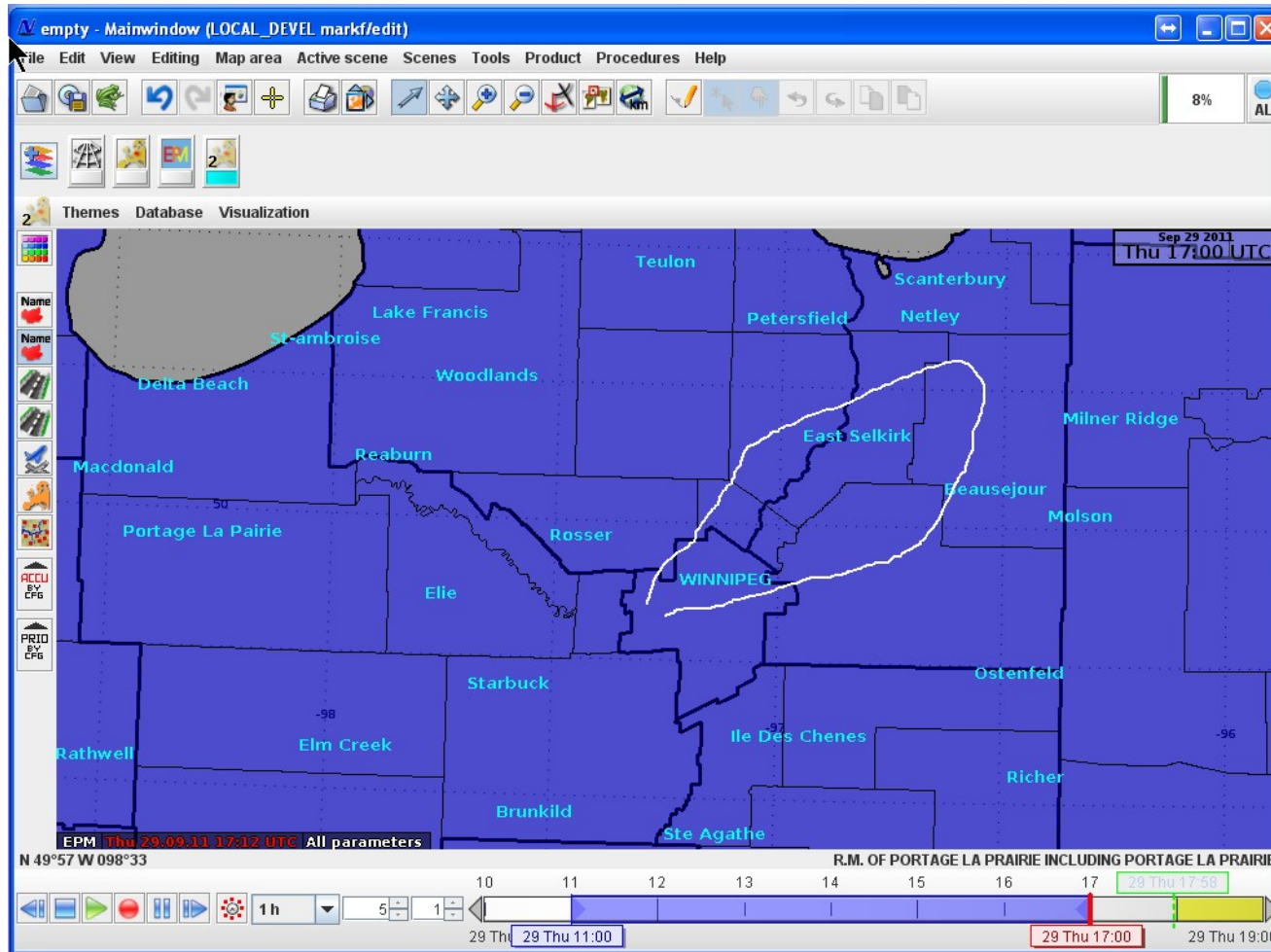


Blue Regions:
Issuing office area
of responsibility

Gray regions:
outside area of
responsibility;
alert information
is available for
monitoring
purposes once it
is published.
Therefore, can
monitor other
office areas and
take over alerts in
contingency
mode.



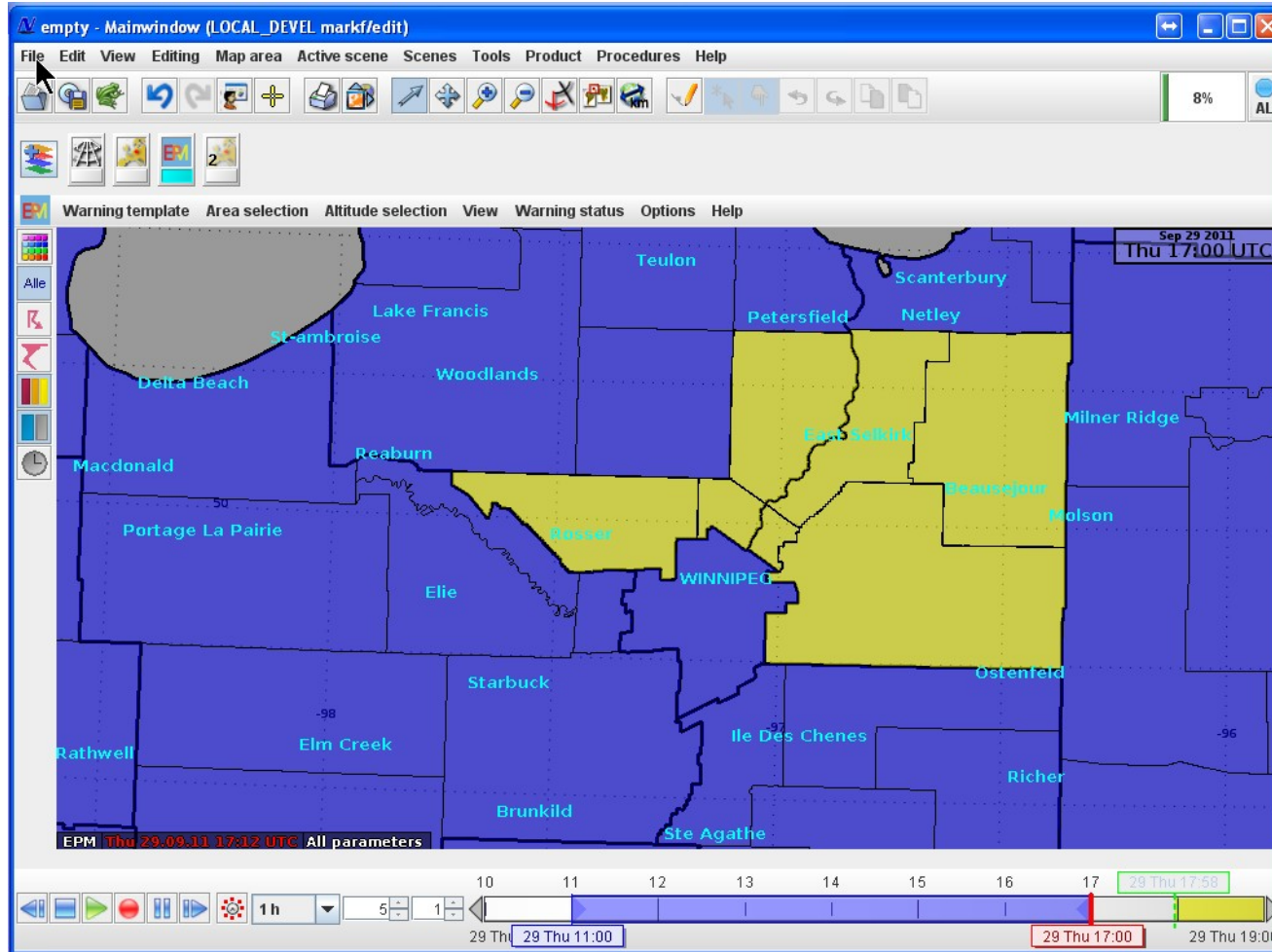
NinJo EPM Screenshots



Forecaster draws area/line to select area of interest



NinJo EPM Screenshots

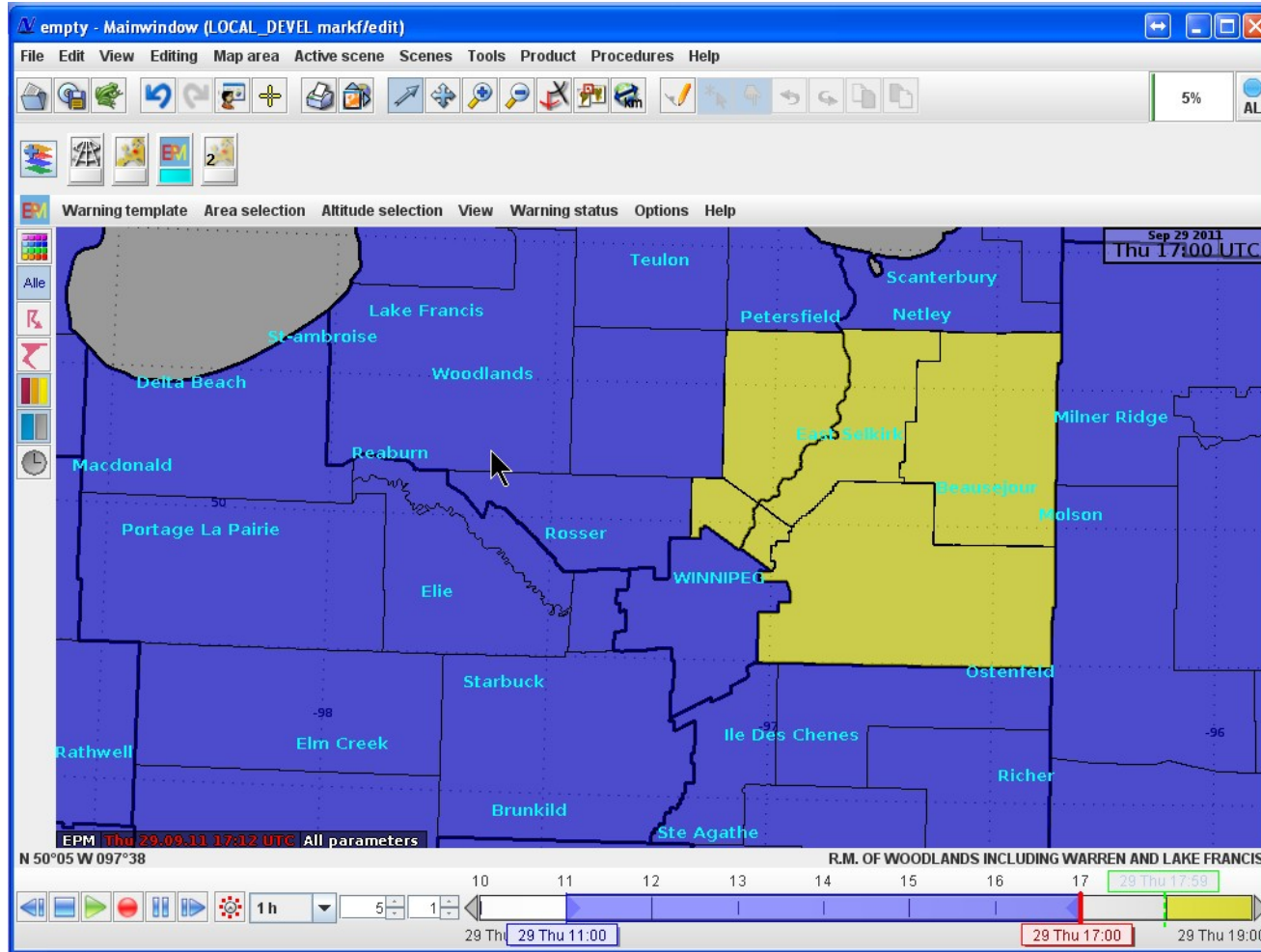


Selected Area is Highlighted

(Caveat: screen shots may be mismatched and do not necessarily show a single session work flow.)



NinJo EPM Screenshots



Forecaster can
deselect regions
by clicking on
them



NinJo EPM Screenshots

Warning Template - empty

File Edit Options Help

Warning category: Thunderstorm Warning

Warning cause: Wind, Hail, and Heavy Rain (ii=91)
50 mm rain in 1 hour or 75 mm rain in 3 hours. Hail 20 mm or large. Wind Gusts 100 km/h

CAP Certainty: Observed

Issuing time (ST): Thu. 29.09.11 19:04

Valid time (ST): from Thu. 29.09.11 19:04 to Thu. 29.09.11 ??:00

Free format text

At [**time] local time, doppler weather radar indicates a severe Thunderstorm located near [**location] moving [**direction] at [**speed] km/h and will affect the regions mentioned above.
At [**time] local time, doppler weather radar indicates a line of severe thunderstorms located from [**location] [**direction] to [**location] moving [**direction] at [**speed] km/h and will affect the regions mentioned above.
At [**time] local time, doppler weather radar indicates an area of severe thunderstorms located from [**location] to [**location] to [**location] moving [**direction] at [**speed] km/h and will affect the regions mentioned above.

Canned Phrases

Severe thunderstorms are imminent or occurring in the area. These storms may produce large hail, damaging winds or heavy rainfall. Remember that some severe thunderstorms can also produce tornados.
Monitor weather conditions and take immediate safety precautions if threatening weather approaches.

Impact text

SMS appendix

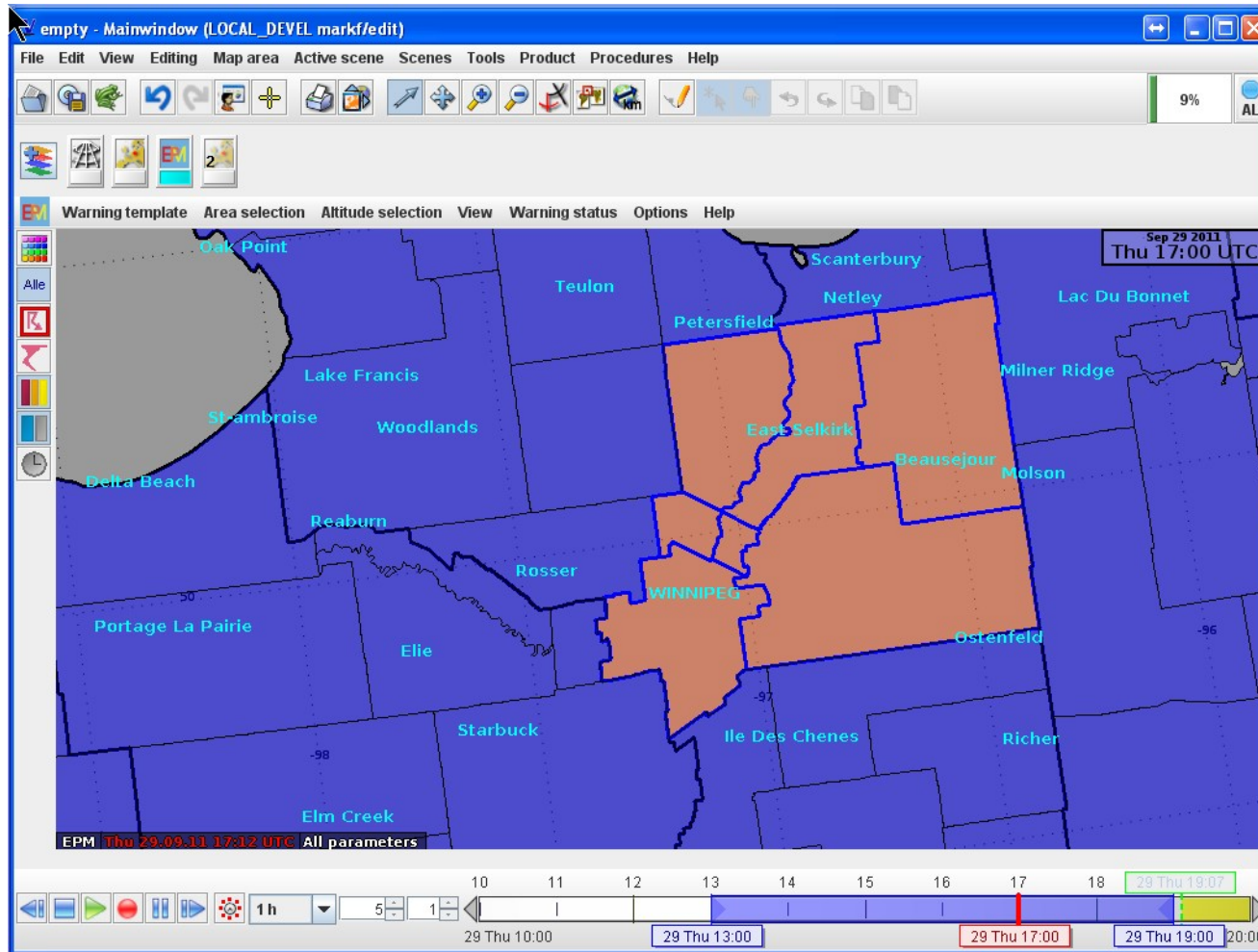
You cannot send until the end of the validity period has been set.

Reset Cancel warning Load Copy to clipboard Send Close

Sample Warning Content Form with populated fill-in-the-blank standardized text boxes



NinJo EPM Screenshots



Once the Forecaster has issued the warning, the warning is active and it is in coloured red. (This information is received back from the DMS once it has received the warning info and started to process the products. Preliminary will be available simultaneously on WxOffice.

