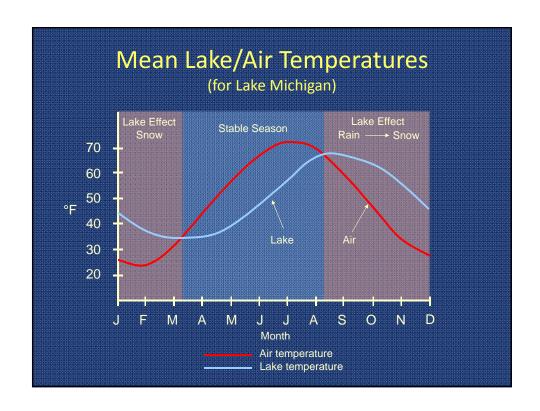
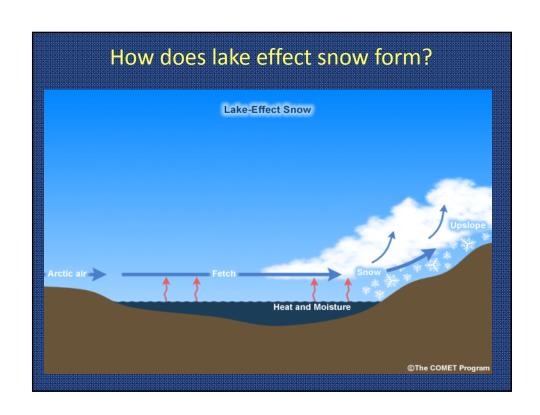


## **Presentation Outline Topics**

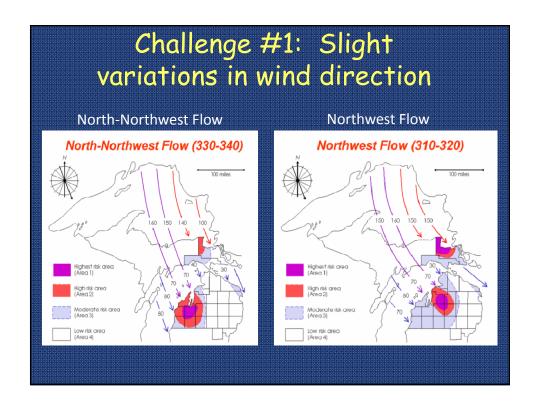
- An overview of lake effect snow
- Forecast challenges
- Tools to help / Decision Support Services
- Sneak peak at the upcoming winter

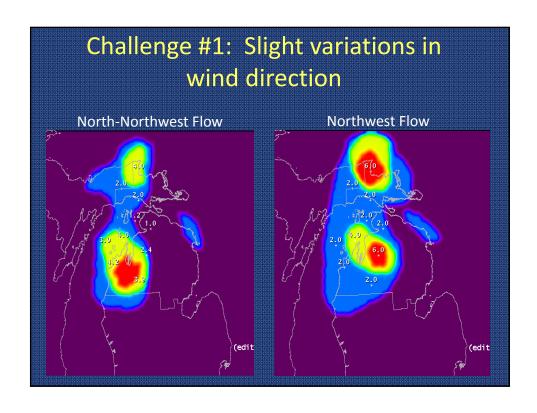




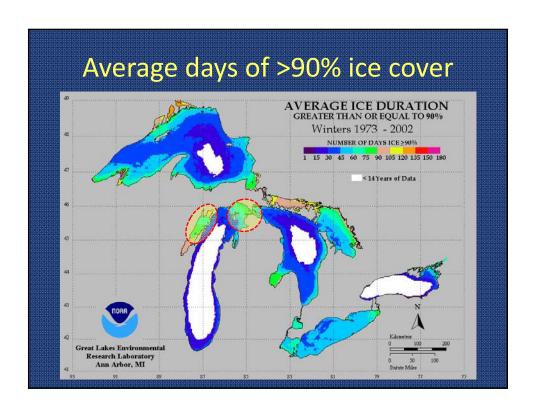


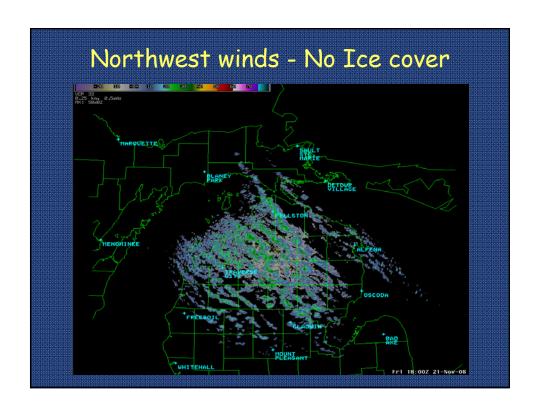




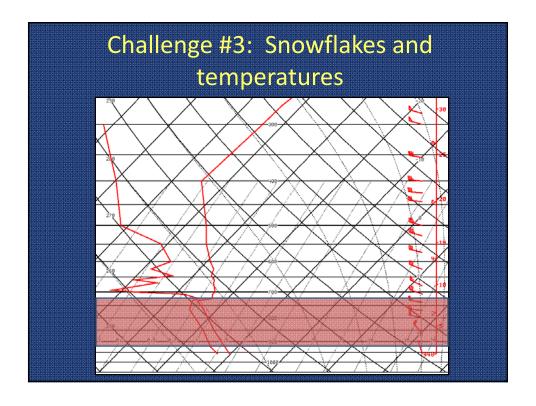


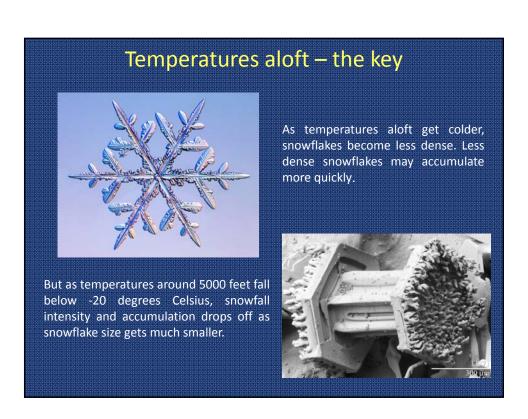


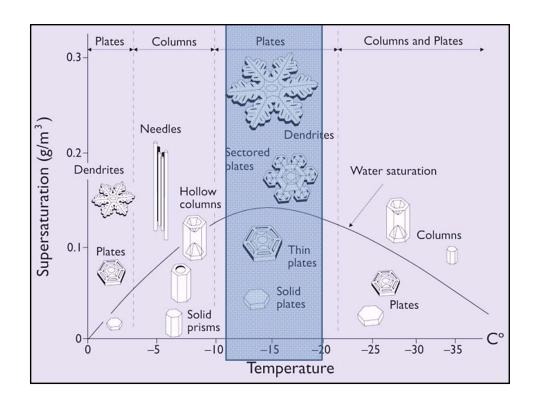




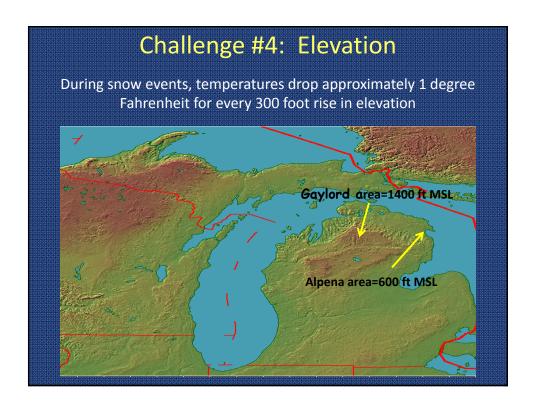


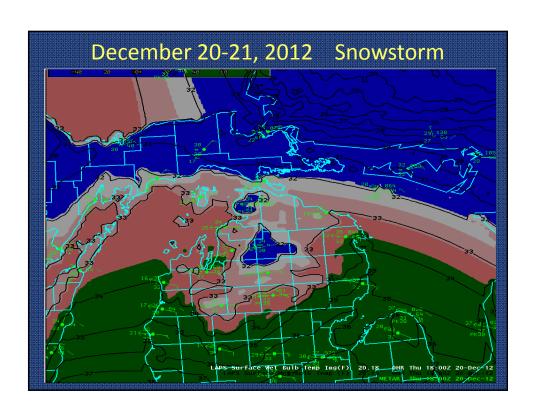




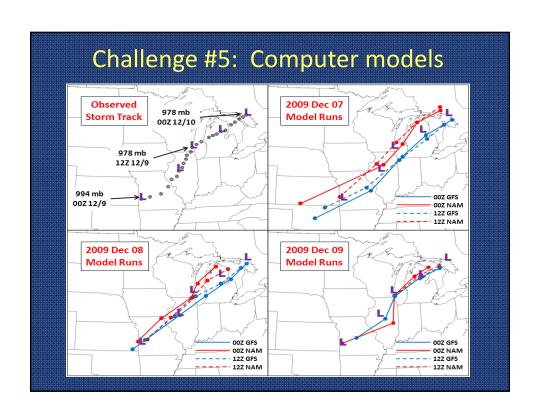


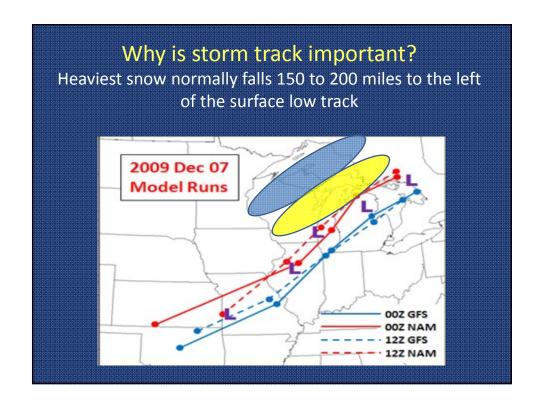


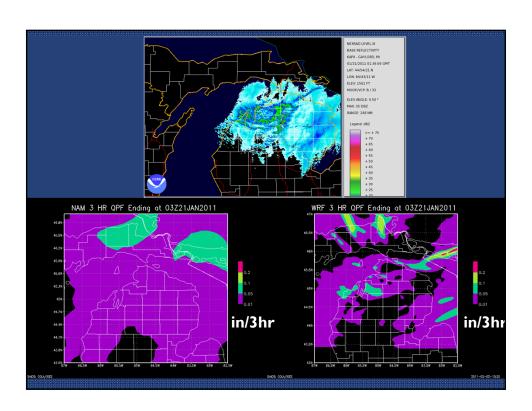


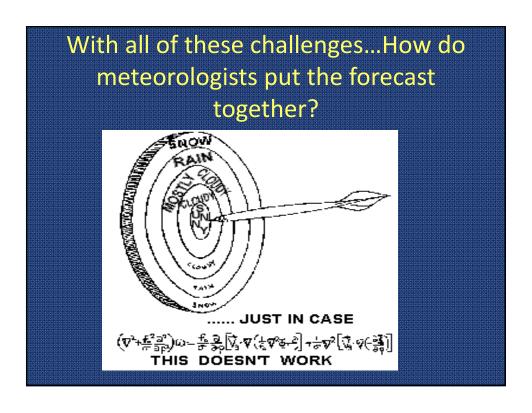


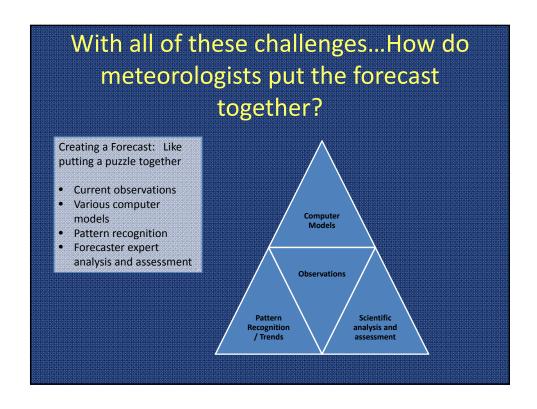
|                                                                           |                                                                                                                | Gay                                                                       | rlord O                                               | bservat                                                                          | ions                                                                         | Eleva                               | tion 140                                                                         | ) feet                                                                                       |                                                                |                                                                    |                                                                        |
|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------|
| :53 AM                                                                    | 32.0 °F 24.2 °F                                                                                                | 30.0 °F                                                                   | 92%                                                   | 29.74 in                                                                         | 0.5 mi                                                                       | East                                | 9.2 mph                                                                          | 20.7 mph                                                                                     | 0.04 in                                                        | Fog , Snow                                                         | Snow                                                                   |
| 0:53 AM                                                                   | 32.0 °F 23.6 °F                                                                                                | 30.9 °F                                                                   | 96%                                                   | 29.71 in                                                                         | 0.2 mi                                                                       | East                                | 10.4 mph                                                                         | 19.6 mph                                                                                     | 0.07 in                                                        | Fog , Snow                                                         | Snow                                                                   |
| 1:53 AM                                                                   | 32.0 °F 24.2 °F                                                                                                | 30.9 °F                                                                   | 96%                                                   | 29.64 in                                                                         | 0.2 mi                                                                       | East                                | 9.2 mph                                                                          | 25.3 mph                                                                                     | 0.11 in                                                        | Fog , Snow                                                         | Snow                                                                   |
| 2:36 PM                                                                   | 33.8 °F 24.8 °F                                                                                                | 30.2 °F                                                                   | 87%                                                   | 29.52 in                                                                         | 0.5 mi                                                                       | East                                | 12.7 mph                                                                         | 20.7 mph                                                                                     | 0.04 in                                                        | Fog , Snow                                                         | Snow                                                                   |
| :31 PM                                                                    | 32.0 °F 22.5 °F                                                                                                | 30.2 °F                                                                   | 93%                                                   | 29.44 in                                                                         | 0.2 mi                                                                       | East                                | 12.7 mph                                                                         | 24.2 mph                                                                                     | 0.03 in                                                        | Fog , Snow                                                         | Snow                                                                   |
| :53 PM                                                                    | 32.0 °F 20.8 °F                                                                                                | 30.9 °F                                                                   | 96%                                                   | 29.43 in                                                                         | -                                                                            | East                                | 17.3 mph                                                                         | 31.1 mph                                                                                     | 0.05 in                                                        | Snow                                                               | Snow                                                                   |
| 0.54.444                                                                  |                                                                                                                |                                                                           |                                                       |                                                                                  |                                                                              |                                     | on 600 f                                                                         |                                                                                              | 0.00 =                                                         | Dele                                                               | Sample                                                                 |
| 0:54 AM                                                                   | 35.1°F 24.5°F                                                                                                  | 33.1 °F                                                                   | 92%                                                   | 29.80 in                                                                         | 5.0 mi                                                                       | ESE                                 | 18.4 mph                                                                         | 27.6 mph                                                                                     | 0.00 in                                                        | Rain                                                               | Light Rain                                                             |
| 1:11 AM                                                                   | 35.6 °F 24.8 °F                                                                                                | 33.1 °F<br>33.8 °F                                                        | 92%<br>93%                                            | 29.80 in<br>29.76 in                                                             | 5.0 mi<br>2.0 mi                                                             | ESE<br>ESE                          | 18.4 mph<br>19.6 mph                                                             | 27.6 mph<br>33.4 mph                                                                         | 0.03 in                                                        | Rain , Snow                                                        | Light Rain                                                             |
| 1:11 AM<br>1:17 AM                                                        | 35.6 °F 24.8 °F<br>33.6 °F 22.8 °F                                                                             | 33.1 °F<br>33.8 °F<br>33.8 °F                                             | 92%<br>93%<br>100%                                    | 29.80 in<br>29.76 in<br>29.76 in                                                 | 5.0 mi<br>2.0 mi<br>1.5 mi                                                   | ESE<br>ESE<br>ESE                   | 18.4 mph<br>19.6 mph<br>18.4 mph                                                 | 27.6 mph<br>33.4 mph<br>31.1 mph                                                             | 0.03 in<br>0.05 in                                             | Rain , Snow                                                        | Light Rain<br>Light Rain                                               |
| 1:11 AM<br>1:17 AM<br>1:38 AM                                             | 35.6 °F 24.8 °F<br>33.8 °F 22.8 °F<br>33.8 °F 23.2 °F                                                          | 33.4 °F<br>33.8 °F<br>33.8 °F<br>32.0 °F                                  | 92%<br>93%<br>100%<br>93%                             | 29.80 in<br>29.76 in<br>29.76 in<br>29.74 in                                     | 5.0 mi<br>2.0 mi<br>1.5 mi<br>0.8 mi                                         | ESE<br>ESE<br>ESE<br>ESE            | 18.4 mph<br>19.6 mph<br>18.4 mph<br>17.3 mph                                     | 27.6 mph<br>33.4 mph<br>31.1 mph<br>31.1 mph                                                 | 0.03 in<br>0.05 in<br>0.09 in                                  | Rain , Snow<br>Rain , Snow<br>Snow                                 | Light Rain<br>Light Rain<br>Light Snow                                 |
| 1:11 AM<br>1:17 AM<br>1:38 AM<br>1:48 AM                                  | 35.6 °F 24.8 °F<br>33.8 °F 22.8 °F<br>33.8 °F 23.2 °F<br>33.8 °F 23.5 °F                                       | 33.1 °F<br>33.8 °F<br>33.8 °F<br>32.0 °F                                  | 92%<br>93%<br>100%<br>93%<br>93%                      | 29.80 in<br>29.76 in<br>29.76 in<br>29.74 in<br>29.73 in                         | 5.0 mi<br>2.0 mi<br>1.5 mi<br>0.8 mi<br>0.2 mi                               | ESE<br>ESE<br>ESE<br>ESE            | 18.4 mph<br>19.6 mph<br>18.4 mph<br>17.3 mph<br>16.1 mph                         | 27.6 mph<br>33.4 mph<br>31.1 mph<br>31.1 mph<br>25.3 mph                                     | 0.03 in<br>0.05 in<br>0.09 in<br>0.12 in                       | Rain , Snow<br>Rain , Snow<br>Snow<br>Fog , Snow                   | Light Rain<br>Light Rain<br>Light Snow<br>Heavy Snow                   |
| 1:11 AM<br>1:17 AM<br>1:38 AM<br>1:48 AM<br>1:54 AM                       | 35.6 °F 24.8 °F<br>33.8 °F 22.8 °F<br>33.8 °F 23.2 °F<br>33.8 °F 23.5 °F<br>33.1 °F 21.9 °F                    | 33.4 °F<br>33.8 °F<br>33.8 °F<br>32.0 °F<br>32.0 °F<br>30.9 °F            | 92%<br>93%<br>100%<br>93%<br>93%<br>92%               | 29.80 in<br>29.76 in<br>29.76 in<br>29.74 in<br>29.73 in<br>29.74 in             | 5.0 mi<br>2.0 mi<br>1.5 mi<br>0.8 mi<br>0.2 mi                               | ESE ESE ESE ESE ESE ESE             | 18.4 mph<br>19.6 mph<br>18.4 mph<br>17.3 mph<br>16.1 mph<br>18.4 mph             | 27.6 mph<br>33.4 mph<br>31.1 mph<br>31.1 mph<br>25.3 mph<br>27.6 mph                         | 0.03 in<br>0.05 in<br>0.09 in<br>0.12 in                       | Rain , Snow Rain , Snow Snow Fog , Snow Fog , Snow                 | Light Rain<br>Light Rain<br>Light Snow<br>Heavy Snow<br>Heavy Snow     |
| 1:11 AM<br>1:17 AM<br>1:38 AM<br>1:48 AM<br>1:54 AM<br>2:06 PM            | 35.6 °F 24.8 °F<br>33.8 °F 22.8 °F<br>33.8 °F 23.2 °F<br>33.8 °F 23.5 °F<br>33.1 °F 24.9 °F<br>33.8 °F 22.8 °F | 33.1 °F<br>33.8 °F<br>33.8 °F<br>32.0 °F<br>32.0 °F<br>30.9 °F<br>32.0 °F | 92%<br>93%<br>100%<br>93%<br>93%<br>92%<br>93%        | 29.80 in<br>29.76 in<br>29.76 in<br>29.74 in<br>29.73 in<br>29.74 in<br>29.70 in | 5.0 mi<br>2.0 mi<br>1.5 mi<br>0.8 mi<br>0.2 mi<br>0.2 mi                     | ESE ESE ESE ESE ESE ESE ESE         | 18.4 mph<br>19.6 mph<br>18.4 mph<br>17.3 mph<br>16.1 mph<br>18.4 mph<br>18.4 mph | 27.6 mph<br>33.4 mph<br>31.1 mph<br>31.1 mph<br>25.3 mph<br>27.6 mph<br>25.3 mph             | 0.03 in<br>0.05 in<br>0.09 in<br>0.12 in<br>0.14 in<br>0.03 in | Rain , Snow Rain , Snow Snow Fog , Snow Fog , Snow Fog , Snow      | Light Rain Light Rain Light Snow Heavy Snow Heavy Snow Snow            |
| 1:11 AM<br>1:17 AM<br>1:38 AM<br>1:48 AM<br>1:54 AM<br>2:06 PM<br>2:22 PM | 35.6 °F 24.8 °F<br>33.8 °F 22.8 °F<br>33.8 °F 23.2 °F<br>33.8 °F 23.5 °F<br>33.1 °F 24.9 °F<br>33.8 °F 22.8 °F | 33.1 °F<br>33.8 °F<br>33.8 °F<br>32.0 °F<br>32.0 °F<br>30.9 °F<br>32.0 °F | 92%<br>93%<br>100%<br>93%<br>93%<br>92%<br>93%<br>93% | 29.80 in<br>29.76 in<br>29.76 in<br>29.74 in<br>29.73 in<br>29.74 in<br>29.70 in | 5.0 mi<br>2.0 mi<br>1.5 mi<br>0.8 mi<br>0.2 mi<br>0.2 mi<br>0.5 mi<br>2.5 mi | ESE ESE ESE ESE ESE ESE ESE ESE ESE | 18.4 mph<br>19.6 mph<br>18.4 mph<br>17.3 mph<br>16.1 mph<br>18.4 mph<br>18.4 mph | 27.6 mph<br>33.4 mph<br>31.1 mph<br>31.1 mph<br>25.3 mph<br>27.6 mph<br>25.3 mph<br>23.0 mph | 0.03 in<br>0.05 in<br>0.09 in<br>0.12 in<br>0.14 in<br>0.03 in | Rain , Snow Rain , Snow Snow Fog , Snow Fog , Snow Fog , Snow Snow | Light Rain Light Rain Light Snow Heavy Snow Heavy Snow Snow Light Snow |
| 1:11 AM                                                                   | 35.6 °F 24.8 °F<br>33.8 °F 22.8 °F<br>33.8 °F 23.2 °F<br>33.8 °F 23.5 °F<br>33.1 °F 24.9 °F<br>33.8 °F 22.8 °F | 33.1 °F<br>33.8 °F<br>33.8 °F<br>32.0 °F<br>32.0 °F<br>30.9 °F<br>32.0 °F | 92%<br>93%<br>100%<br>93%<br>93%<br>92%<br>93%        | 29.80 in<br>29.76 in<br>29.76 in<br>29.74 in<br>29.73 in<br>29.74 in<br>29.70 in | 5.0 mi<br>2.0 mi<br>1.5 mi<br>0.8 mi<br>0.2 mi<br>0.2 mi                     | ESE ESE ESE ESE ESE ESE ESE         | 18.4 mph<br>19.6 mph<br>18.4 mph<br>17.3 mph<br>16.1 mph<br>18.4 mph<br>18.4 mph | 27.6 mph<br>33.4 mph<br>31.1 mph<br>31.1 mph<br>25.3 mph<br>27.6 mph<br>25.3 mph             | 0.03 in<br>0.05 in<br>0.09 in<br>0.12 in<br>0.14 in<br>0.03 in | Rain , Snow Rain , Snow Snow Fog , Snow Fog , Snow Fog , Snow      | Light Rain Light Rain Light Snow Heavy Snow Heavy Snow Snow            |





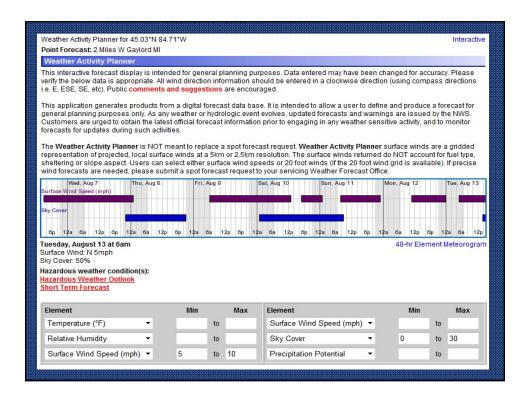


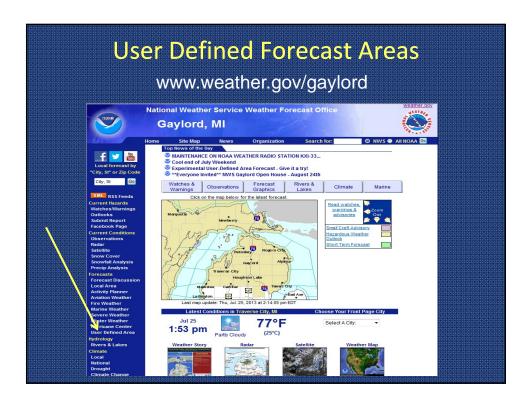


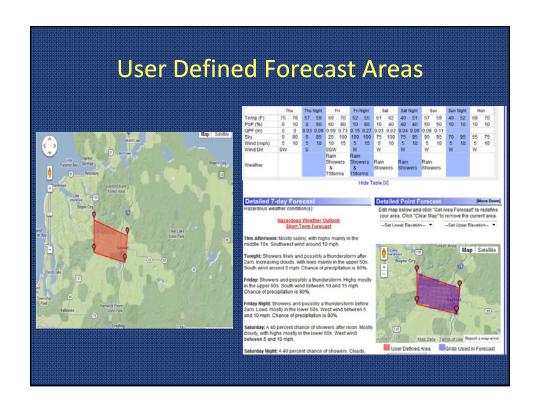


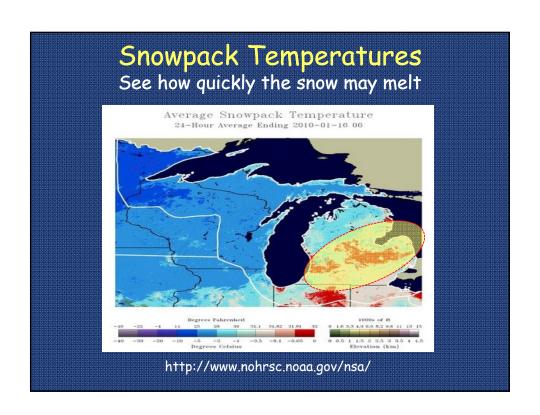




















## You can help us as well

The best warning information from the NWS occurs when we get real time snowfall/icing reports

## The kinds of information we need:

Snowfall accumulations (especially overnight hours) Intense snow bands (1"+ per hour snowfall rates) Icing on roads or power lines

Anytime you can provide the NWS with current condition information, it is appreciated and helpful to the warning process

NWS Gaylord 989-732-9306 (24 hour direct forecaster number)



