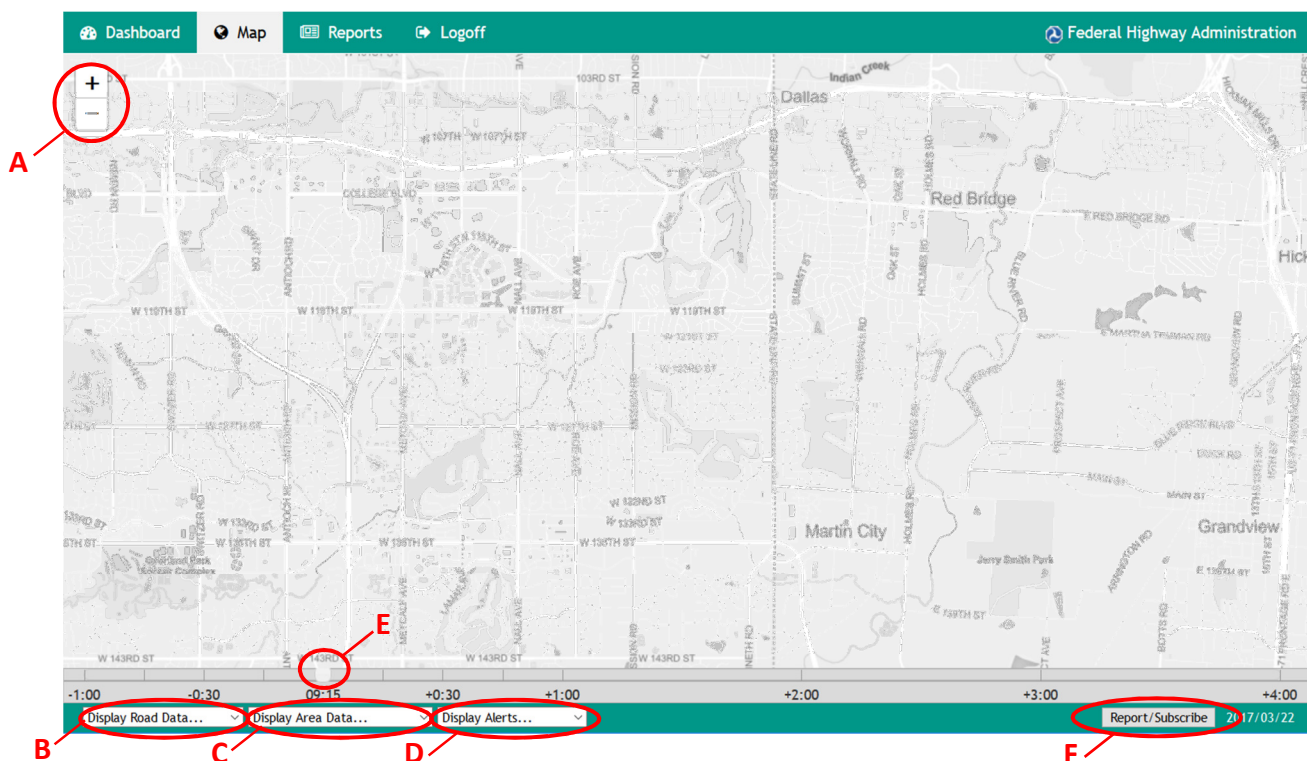


Integrated Modeling for Road Condition Prediction (IMRCP)

Web Interface Instructions

Map

The IMRCP map provides views of alerts, road conditions and weather in the immediate past, present and near future.



Using Map Tools

1. To zoom into and out of the map, use the zoom controls (A) in the top left corner of the map or use the mouse's scroll wheel with the cursor on the map.
2. To move the map, click on the map and drag the cursor.

Viewing Road Condition Data

1. Select a road data layer from the drop-down menu entitled "Display Road Data..." (B) in the lower left corner of the page.
2. Click on a road segment on the map to view data for specific road segments in the study area.

Viewing Weather Condition Data

1. Select an area data layer from the drop-down menu entitled "Display Area Data..." (C) in the lower left corner of the page.
2. Data for specific areas in the study area may be viewed by clicking on an area on the map.

Viewing Alerts

1. To view alerts affecting the study area, select an alerts layer from the drop-down menu entitled “Display Alerts...” **(D)** in the lower left corner of the map.
2. A description of an alert may be viewed by clicking on an alert icon.

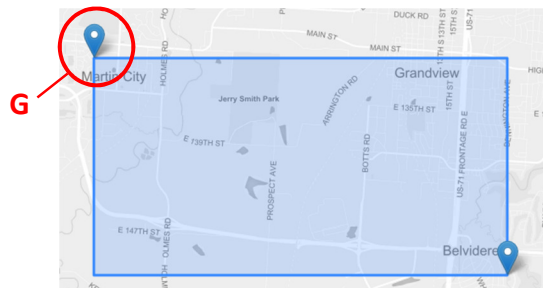
Using the Time Selector

1. To view the data layers for past, current, or future time frames, select a time on the time scale at the bottom of the map **(E)**.

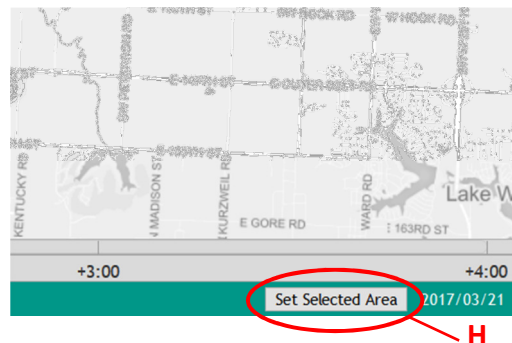
Creating a Report or Subscription

Reports can be created to view specific observation and forecast types for the study area for specific time periods and locations.

1. Select the “Report/Subscribe” button **(F)** in the lower right corner of the page.



2. Click and drag the cursor on the map to draw a box around the area from which you would like to collect data. To adjust the box, click and drag the icons on the corners of the map **(G)**.



3. Click the “Set Selected Area” button **(H)** in the bottom right corner of the page.

The image displays two side-by-side screenshots of the IMRCP Web Interface Report/Subscription wizard. The left screenshot shows the 'Run Report' configuration, and the right screenshot shows the 'Create Subscription' configuration. Red callout letters I through V point to specific fields and buttons in both screenshots.

Left Screenshot (Run Report):

- I:** Lat 1 (38.914812)
- J:** Lat 2 (38.858692)
- K:** Obstype (TAIR(air temperature))
- L:** Min/Max fields
- M:** Format (CSV)
- N:** Run Report (selected)
- O:** Start (2017/03/22 20:00)
- P:** End (2017/03/22 20:00)
- Q:** Submit button

Right Screenshot (Create Subscription):

- V:** Lat 1 (38.914812)
- R:** Create Subscription (selected)
- S:** Interval (15 min)
- T:** Offset (0:00)
- U:** Duration (0:15)

4. To manually adjust location of the box on the map, change the latitudes and longitudes in the Report/Subscription wizard (I).
5. Type a name in the name field (J).
6. Select the observation type(s) to be listed in the report/subscription (K).
 - a. To select multiple observation types, hold down the control-key to select individual types, or use the shift-key to select a range of types.
 - b. If only selecting one observation type, type a minimum and maximum value for the report in the "Min" and "Max" fields (L).
7. Select the format for the report/subscription from the dropdown menu (M).

To run a report:

8. Select the "Run Report" radio button on the Report/Subscription wizard (N).
9. Select a start date and time by clicking on the "Start" input box and clicking on a date and time in the calendar (O).
10. Select an end date and time by clicking on the "End" input box and clicking on a date and time in the calendar (P).
11. Select the "Submit" button (Q).
12. For further information on viewing a report, see the "Viewing a Report" section in this document.

To create a subscription:

13. Select the "Create Subscription" radio button on the Report/Subscription wizard (R).
14. Select an interval¹ radio button (S).
15. Slide the time slider on the left to select the offset² (T).

¹The interval is the length of time between each subscription file generation.

² The offset is the start time of the data contained in the subscription file relative to the time each subscription file is generated.

16. Slide the time slider on the right to select the duration³ (U).
17. Select the “Submit” button (V).
18. For further information on viewing a subscription, see the “Viewing a Subscription” section in this document.

Reports

On the IMRCP Reports page, the reports requested by the user are listed in the left panel and the subscriptions requested by the user are listed in the center panel. The creation date and filter criteria for each report and subscription is listed below its name. Each report and subscription is retained for two weeks after it has been downloaded and will then be removed from the system.

The screenshot displays the IMRCP Reports page with a teal header bar containing navigation links: Dashboard, Map, Reports, and Logoff, along with the Federal Highway Administration logo. The page is divided into three main sections:

- Reports:** Contains a description of reports and a list of reports. A report named "My report" is highlighted with a red circle and a red "W" pointing to it. Below the name, it shows "Downloaded: Mar 21 20:32 UTC" and "Created: Mar 9 05:01 UTC".
- Subscriptions:** Contains a description of subscriptions and a list of subscriptions. A subscription named "My subscription" is highlighted with a red circle and a red "X" pointing to it. Below the name, it shows "Downloaded: Mar 21 20:33 UTC" and "Created: Mar 9 04:59 UTC".
- Subscription Files:** Contains a description of subscription files and a list of files for the selected subscription. The top file, "20170322_2110.csv", is circled in red with a red "Y" pointing to it.

Viewing a Report

1. To view a report, click on the report name (W) on the left panel of the page.
 - a. The page may need to be refreshed if a report is pending fulfillment as reports may not be generated for several minutes after they have been requested.

Viewing a Subscription

1. To view a subscription, click on the subscription's name (X) in the center panel of the page.
 - a. The files generated for that subscription will appear in the right panel of the page.
2. Click on the subscription file you would like to open (Y).
 - a. The subscription files are named based on the time they are generated in a "YYYYMMDD_HHMM" format.

³ The duration is the length of time encompassed by the subscription file.