

201806 Flood US Data Sources

Geospatial Information and Remotely Sensed Imagery Products

July 5, 2018

Hazards Data Distribution System (HDDS)

<http://hddsexplorer.usgs.gov/>

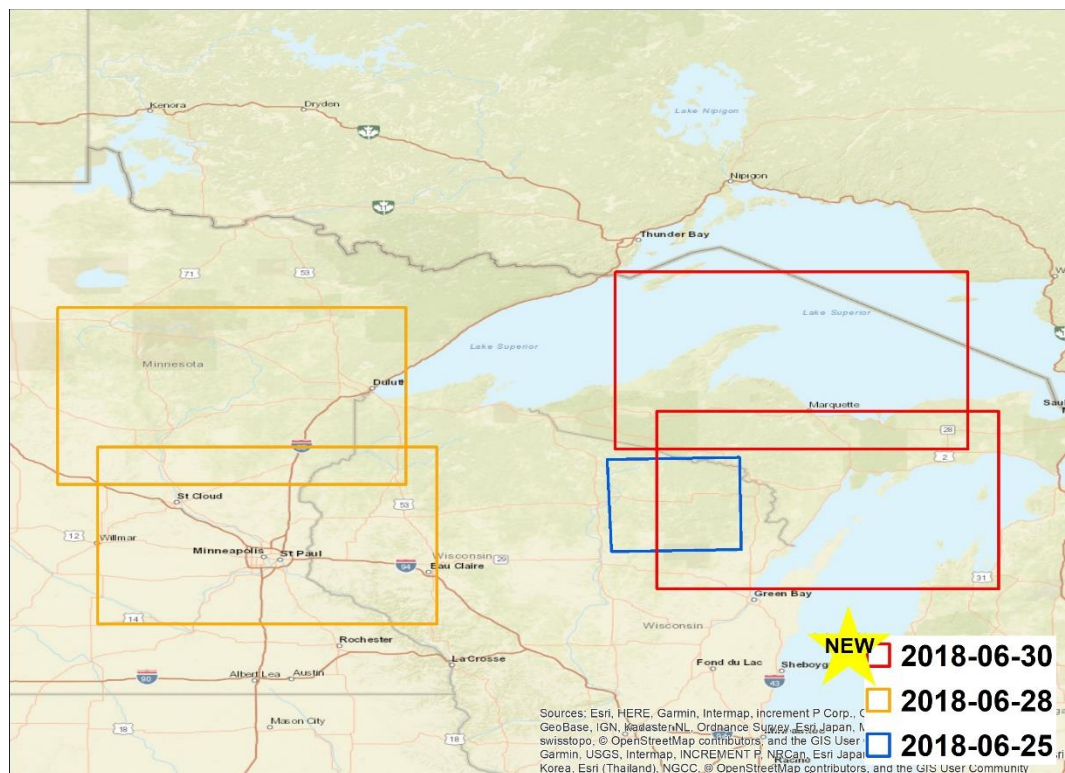
Select Event: **"201806_Flood_US"** → click on "+" and then "Search"

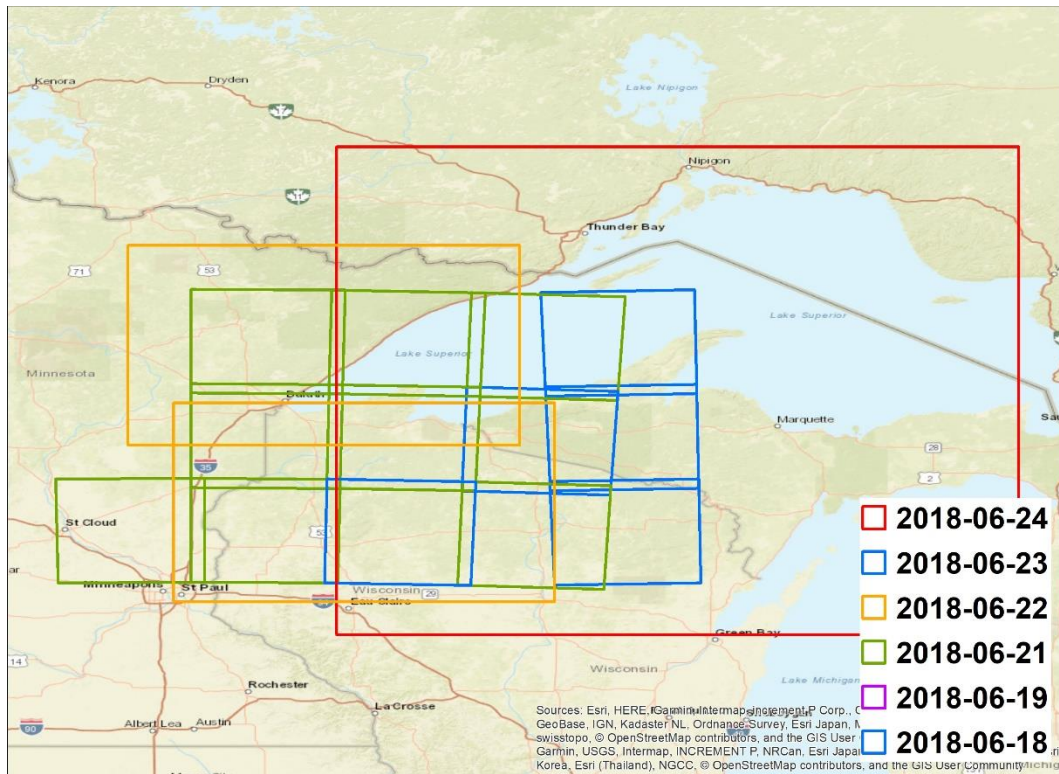
Download Shapefiles for image footprints

https://hddsexplorer.usgs.gov/data/list/disaster/201806_Flood_US/shapefiles/index

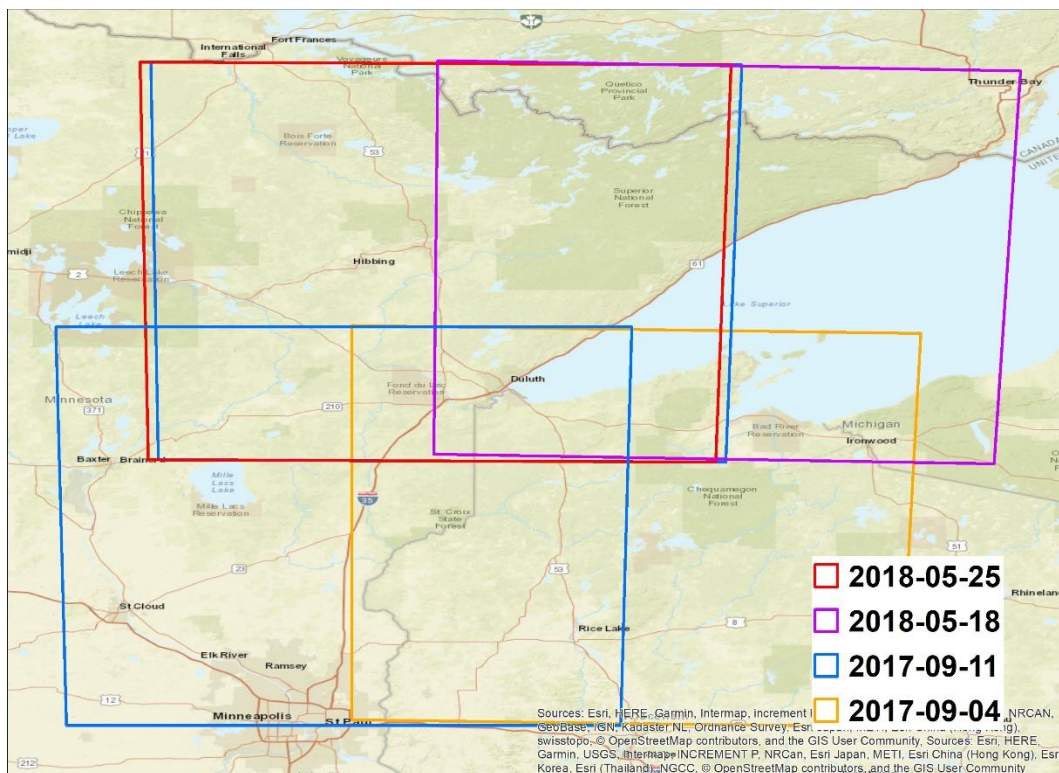
More information about HDDS: <http://hdds.usgs.gov/hazards-data-distribution-system-hdds>

Sentinel 2

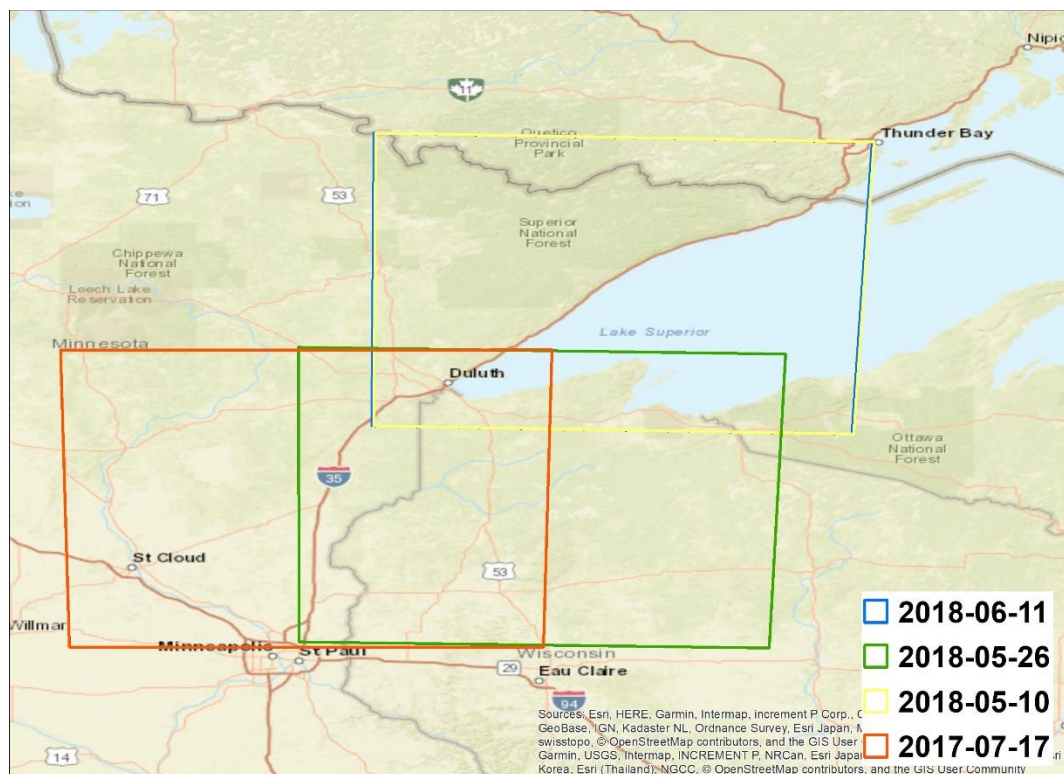
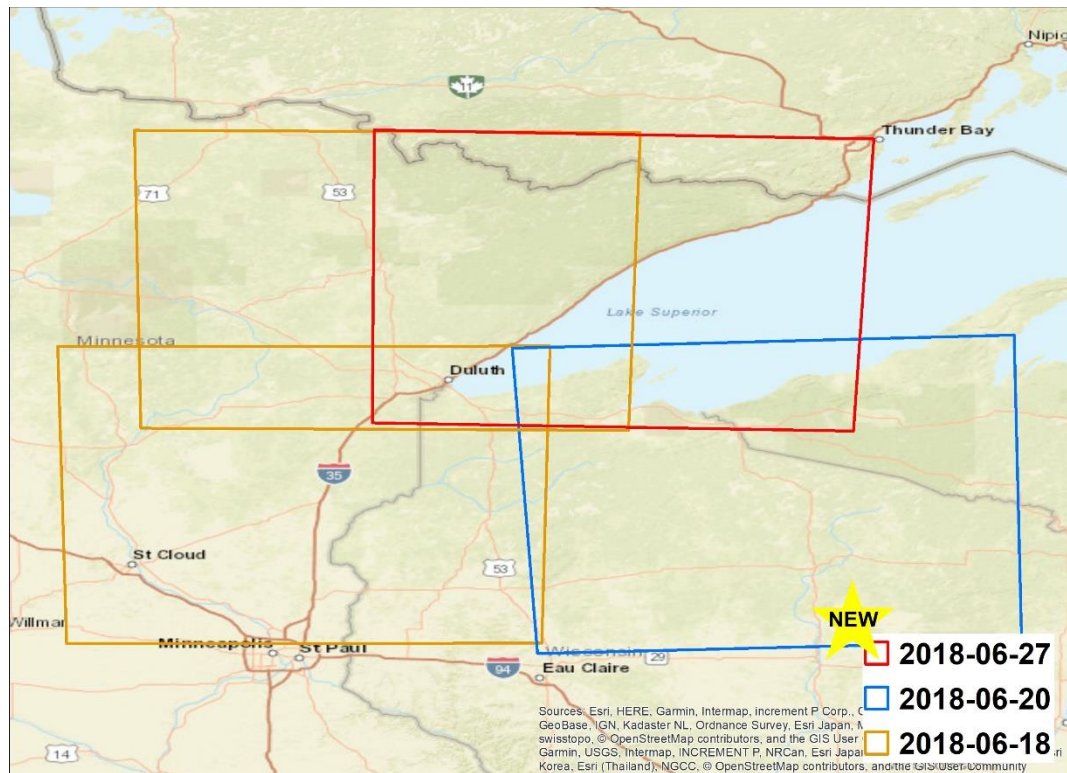




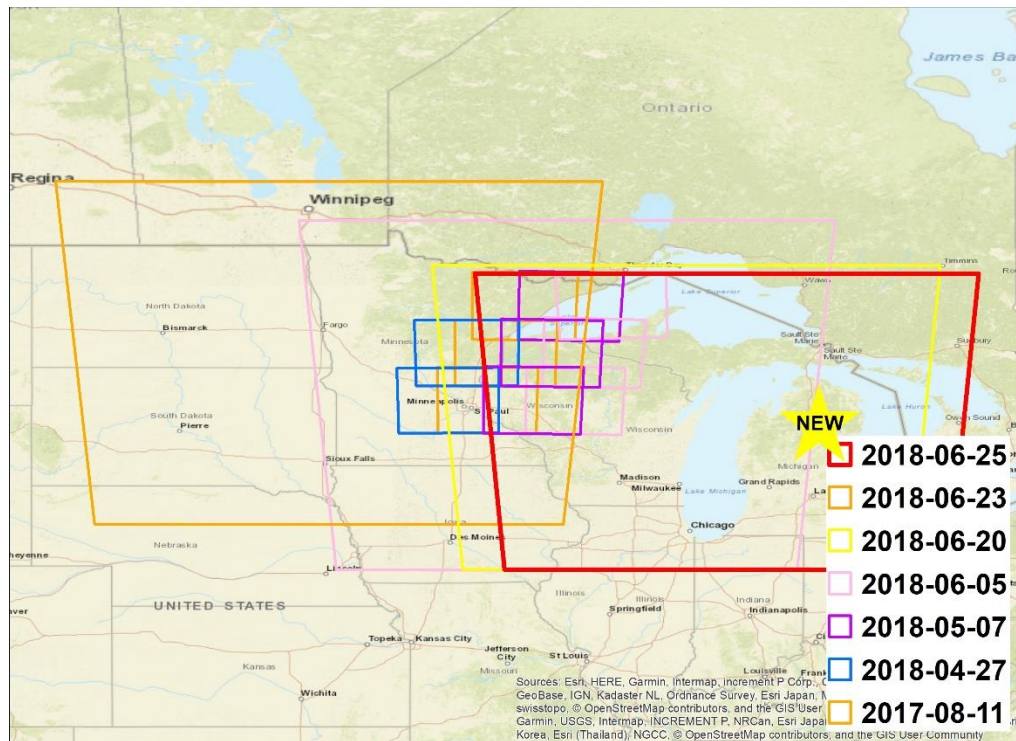
Landsat 8



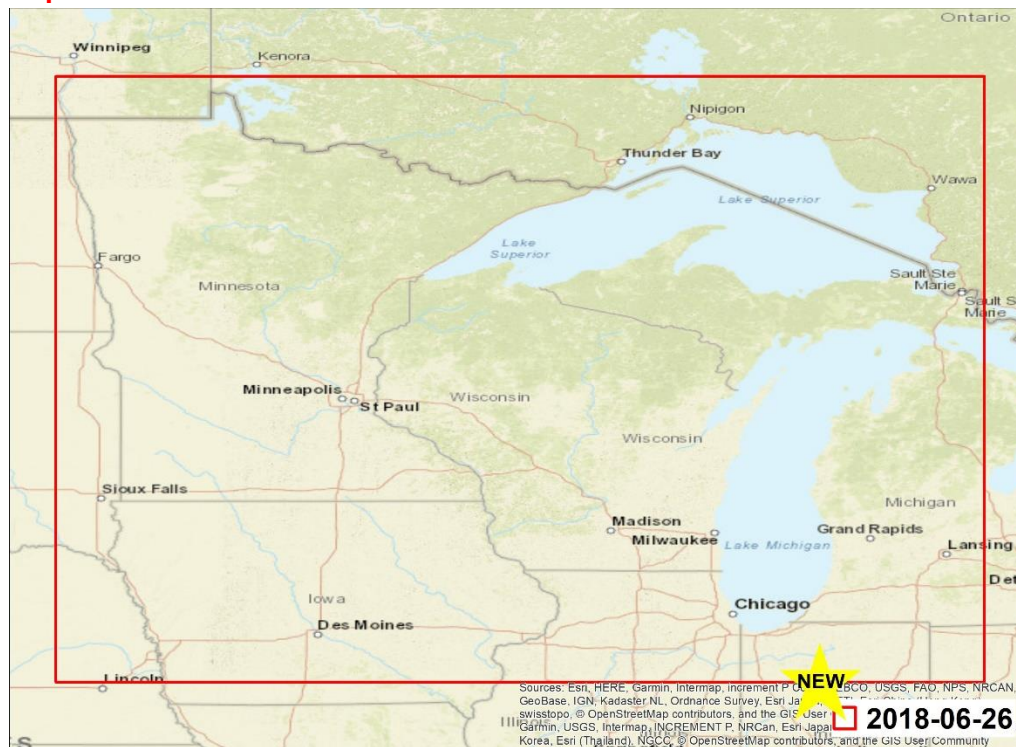
Landsat 7



ISRO AWiFS and LISS



Reports USDA



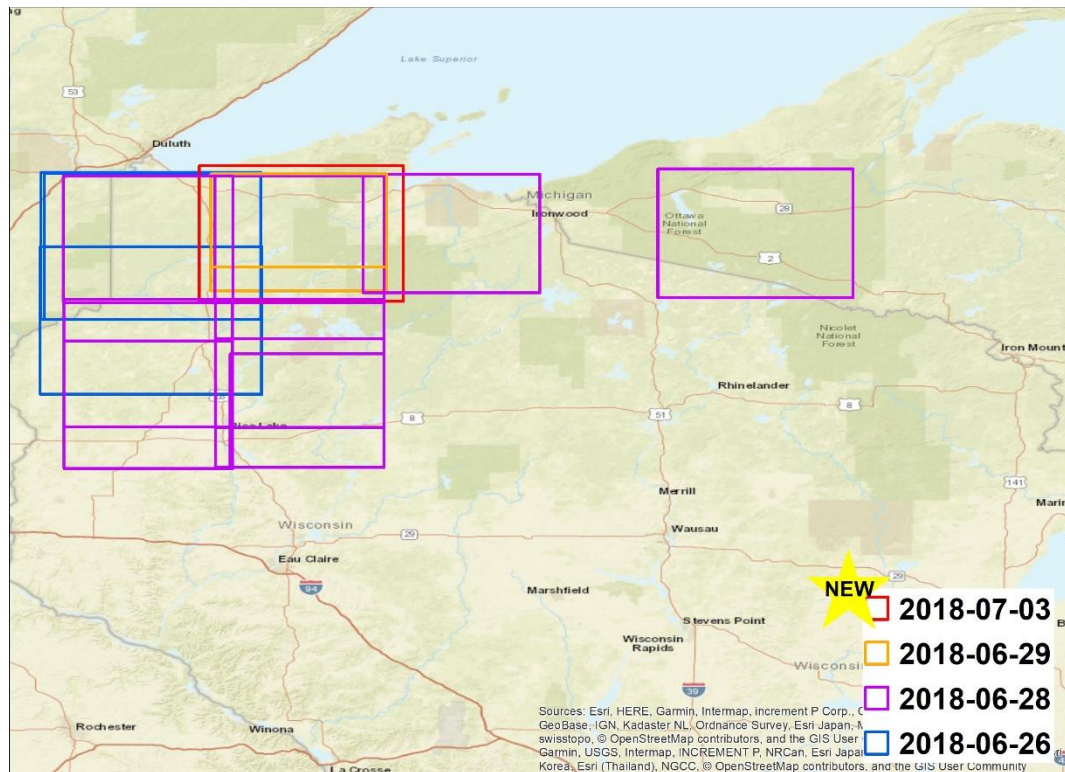
HDDS Restricted

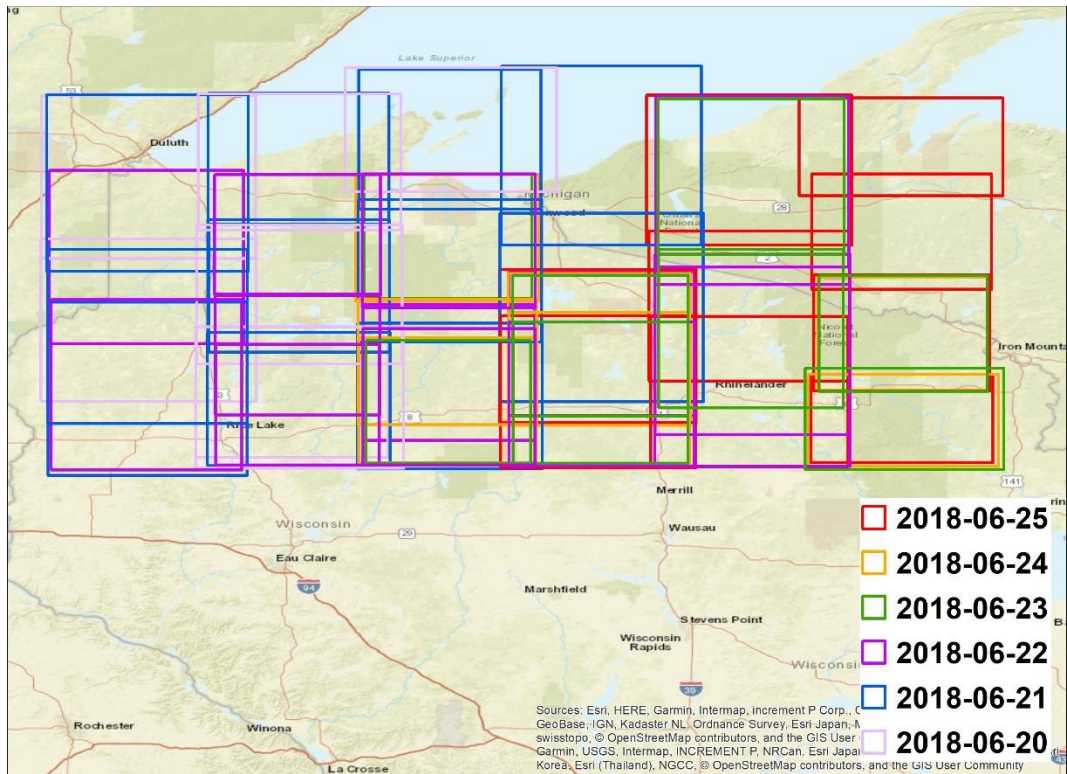
Self-Register for HDDS Restricted. <http://hddsexplorer.usgs.gov/>

If you have not registered on either EarthExplorer or HDDS, click the register button in the top right corner of the screen and go thru the registration process. Once registered, you will have access to EarthExplorer and HDDS download capabilities. The first time you attempt to download restricted imagery, you will need to fill out an access request form for that event. Click on "Access" (upper right of HDDS screen), then select "To request access to restricted data click here". Select event from menu. Once granted access, you can download restricted imagery. (note: in most cases the restricted area contains licensed imagery, not all requests can be granted.)

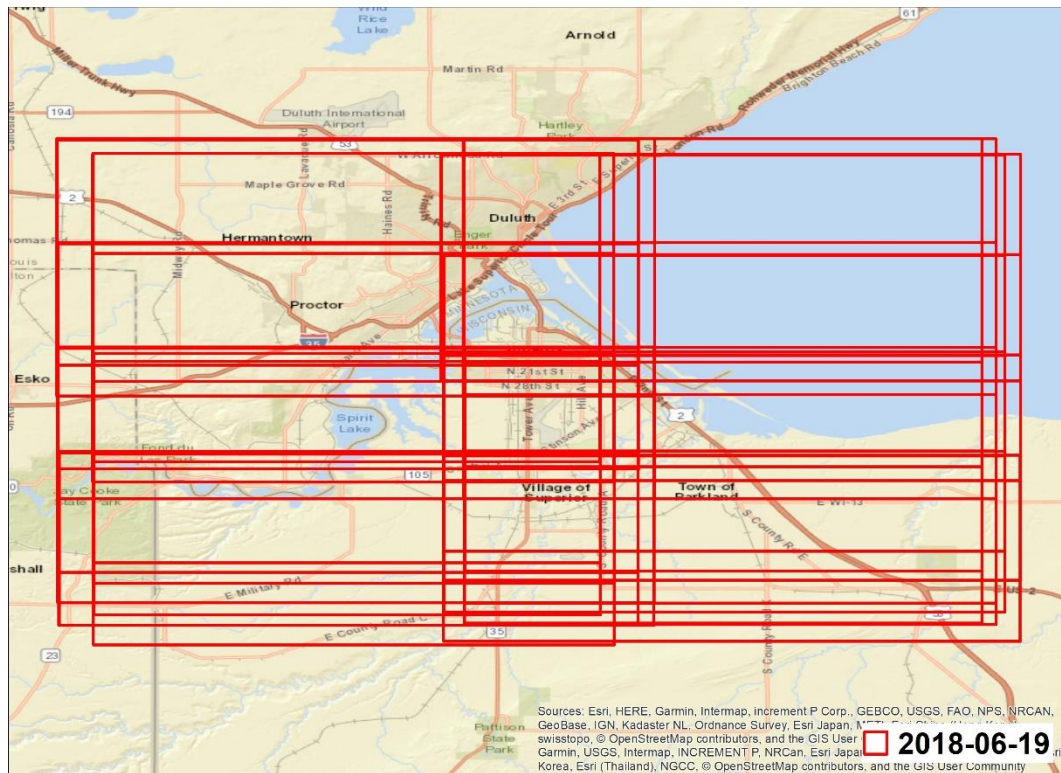
Request access: https://hddsexplorer.usgs.gov/access/request?event=201804_Fire_US

SPOT

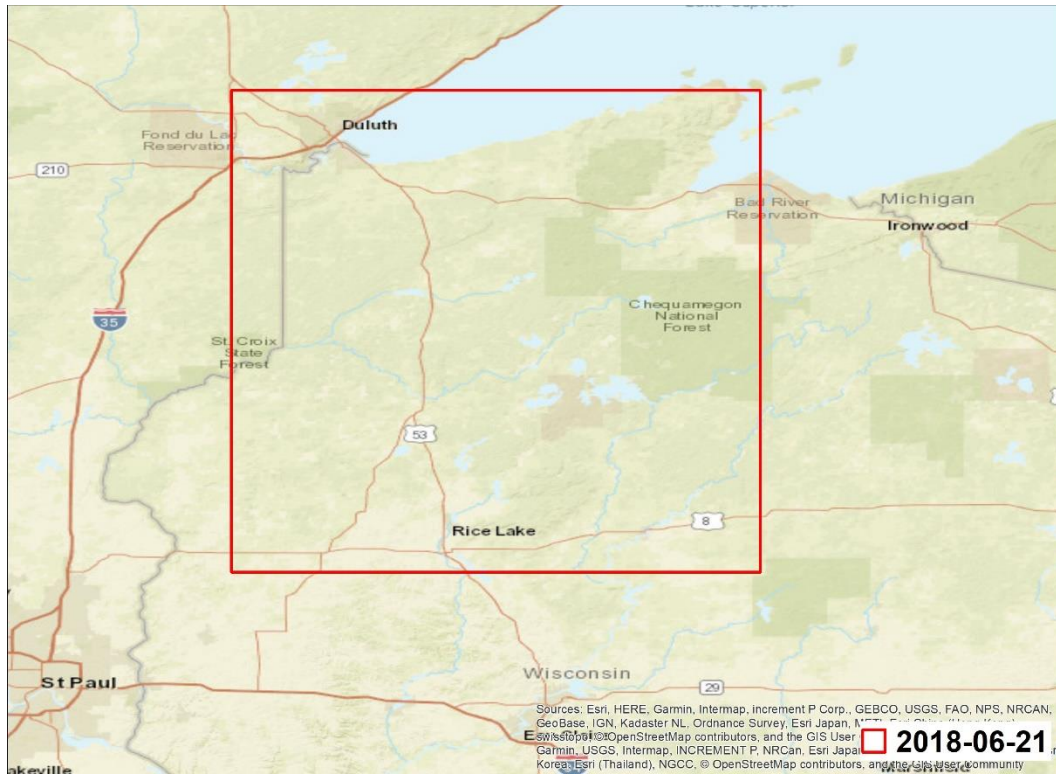




WorldView



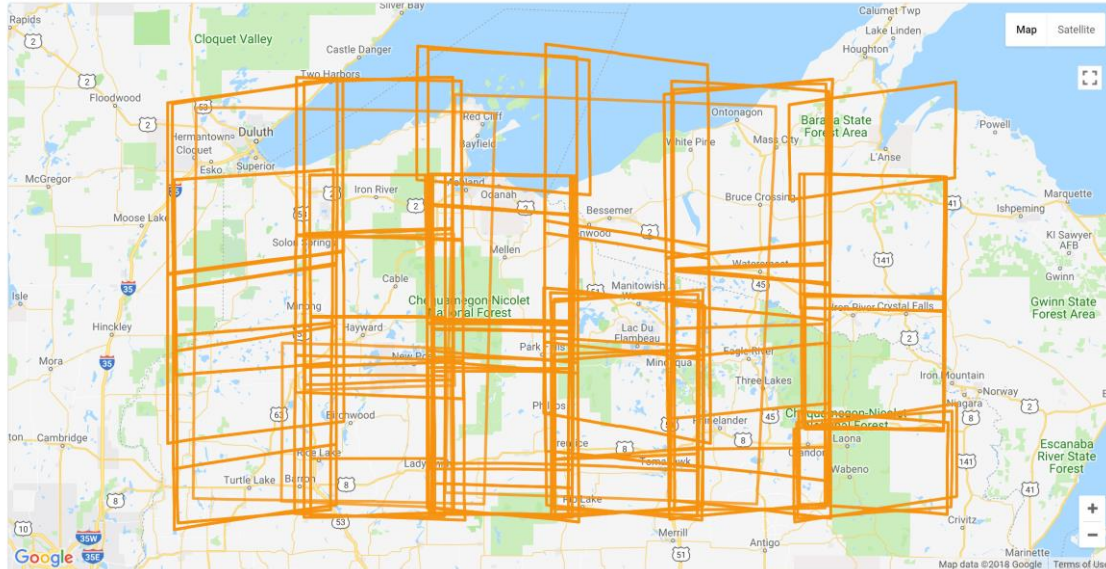
TERRASARX



End HDDS

Eagle Vision

<http://dev.evr2est.us/scenes/table> and / <http://evr2est.us>



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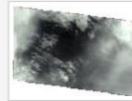
Image Type
Panchromatic

GSD
1_5 m

Acquisition Date
03Jul18 - 1157 America/Chicago

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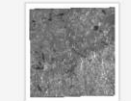
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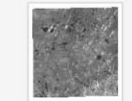
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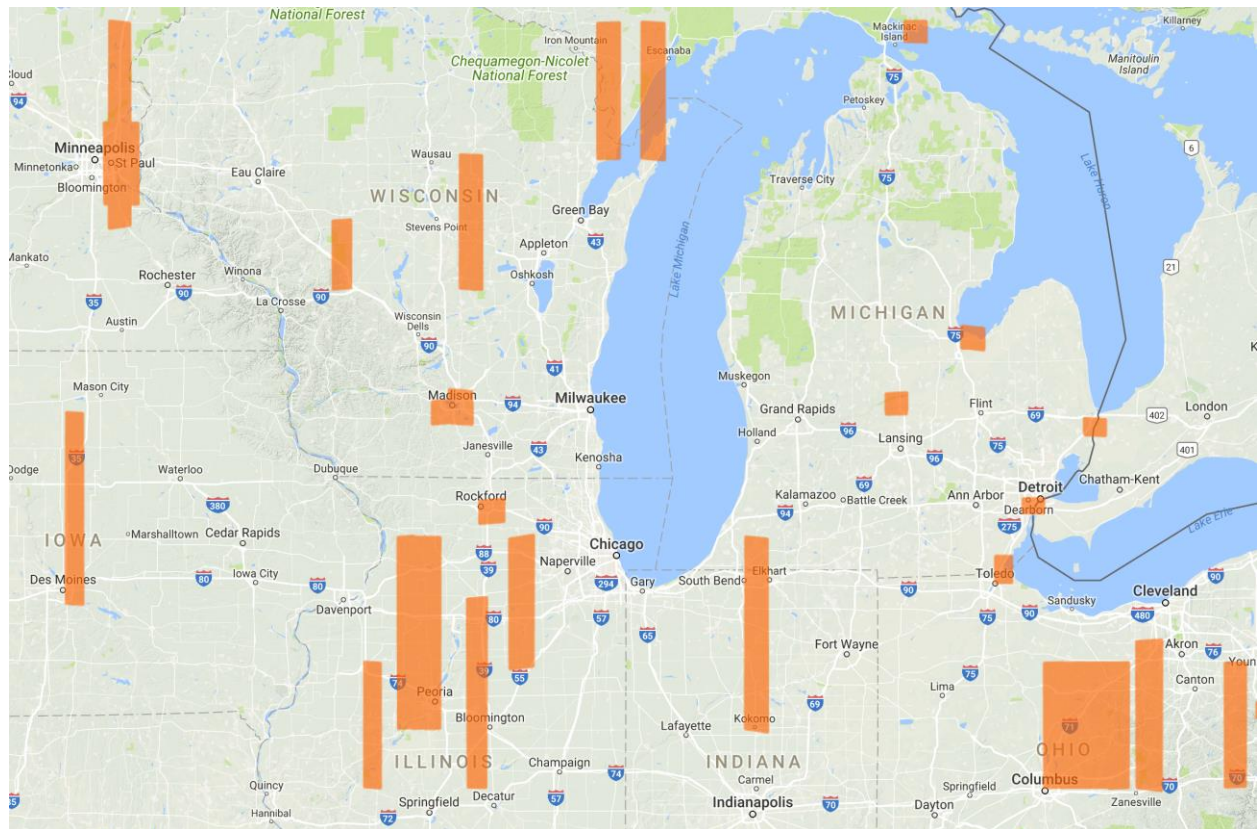
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Digital Globe Imagery Digital Globe imagery is available orthorectified in the NGA funded EnhancedView Web Service. Users with .gov or .mil emails can self-register.

<https://ewwhs.digitalglobe.com/myDigitalGlobe/>



Imagery available from last 7 days.

NOAA stream gage data

https://idpgis.ncep.noaa.gov/arcgis/rest/services/NWS_Observations/ahps_riv_gauges/MapServer

Real-time stream observations of flood status (Requires AGOL account)

<https://www.arcgis.com/home/item.html?id=61003c853d2c4c338841429610b5747f>

This map service shows those gauges from the Live Stream Gauge layer that are currently flooding. It only includes those gauges where flood stages have been defined by the contributing agencies.

ESRI Data sources that you can add to your maps and apps for situational awareness
These do not require ArcGIS credentials:

- Precipitation Forecast (US)
<http://www.arcgis.com/home/item.html?id=71afd16b8845426e9435c5dbb9ca8ea>
- National Water Model (10 Day Anomaly Forecast)
<http://www.arcgis.com/home/item.html?id=51b2bc5d620543b2825c60cc75e9a441>
- National Water Model (Hourly Anomaly Forecast)
<http://www.arcgis.com/home/item.html?id=b9ec31770ee643509b942dfdec393b7>
- National Water Model (10 Day Forecast)
<http://www.arcgis.com/home/item.html?id=f43c154ef3b9421bbda14bc17f9e98d2>
- National Water Model (Hourly Forecast)
<http://www.arcgis.com/home/item.html?id=0a42a065b8094842a0218c540e27761a>

USGS Water Maps and GIS Data

<https://water.usgs.gov/maps.html>

USGS Current Water Data for the Nation

<https://waterdata.usgs.gov/nwis/rt>

USGS Water Watch

<https://waterwatch.usgs.gov/?m=flood%2Cmap&r=us&w=real%2Cmap>

ESA Sentinel Imagery (Use Chrome or FireFox)

Sentinel data-playground- additional band combinations to choose from as compared to the eo-browser. Add Image Acquisition date to view “Effects” → “Show Acquisition Date” (Viewer)

<https://apps.sentinel-hub.com/sentinel->

[playground/?source=S2&lat=34.0628990350628&lng=119.02725219726562&zoom=9&preset=4_A](https://apps.sentinel-hub.com/sentinel-playground/?source=S2&lat=34.0628990350628&lng=119.02725219726562&zoom=9&preset=4_A)

[GRICULTURE&layers=B01,B02,B03&maxcc=20&gain=1.0&gamma=1.0&time=2015-01-](https://apps.sentinel-hub.com/sentinel-playground/?source=S2&lat=34.0628990350628&lng=119.02725219726562&zoom=9&preset=4_A)

[01%7C2018-04-12&atmFilter=&showDates=false](https://apps.sentinel-hub.com/sentinel-playground/?source=S2&lat=34.0628990350628&lng=119.02725219726562&zoom=9&preset=4_A)

Pre-Event NAIP Imagery Download NAIP by County: <https://nracs.app.box.com/v/naip/>

Send comments, additions, and corrections to:

Ran Goldblatt

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ran.goldblatt@associates.fema.dhs.gov

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