

Federal Remote Sensing Situation Report

Red River Flooding: North Dakota, South Dakota and Minnesota

As of 2 April 2009

Close-out

**Yellow font denotes changes*

Questions regarding the information contained in this brief, may be directed to the Collection Requirements Management (CR) Division in the Office of Intelligence and Analysis at IA-RPrograms@hq.dhs.gov



Interagency Remote Sensing Coordination Cell (IRSCC)

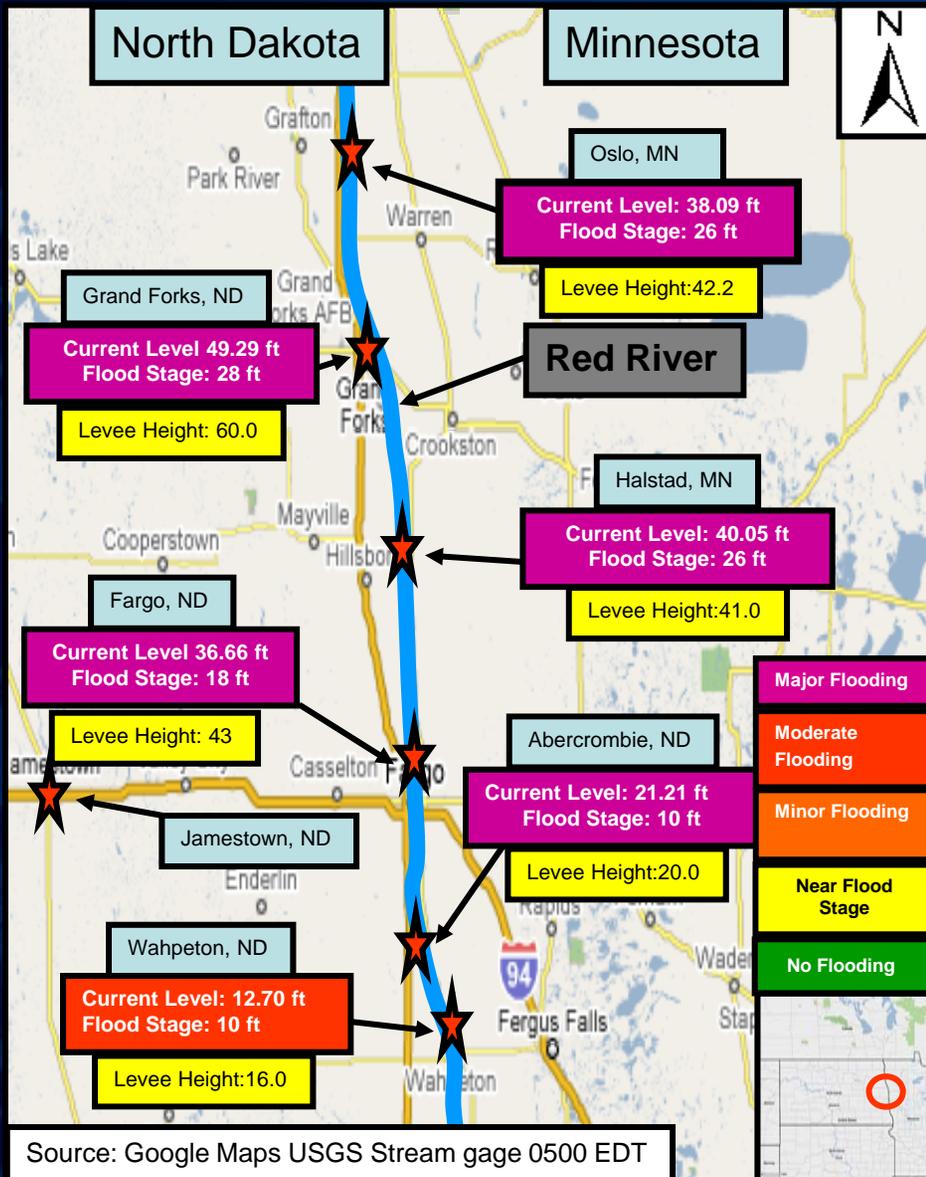
Purpose

This situation report is developed for DHS senior leadership. The report provides overall situational awareness on Federal remote sensing activities supporting emergency management operations in North Dakota, South Dakota and Minnesota. The following information is derived from multiple sources across the Federal remote sensing community. The report will be updated as new information becomes available.

Close-out

Due to the draw down of Federal support to the Red River flooding, the IRSCC will cease production of the Federal Remote Sensing Situation Report. The IRSCC will continue to monitor the situation in North Dakota, South Dakota and Minnesota and provide updates as necessary.

DHS National Operations Center



Current:

- The Federal Government continues to draw down Federal Resources and personnel, while leaving equipment in place for a quick response in anticipation of the next river crest expected on 15 April 2009
- North Dakota reports 2 fatalities and 62 injuries, 7 shelters open with 240 occupants
- South Dakota reports no fatalities or injuries, with no shelters open
- Minnesota reports no fatalities or injuries, and 1 shelter open with 97 occupants

Future Actions:

- The Department of Homeland Security National Operations Center will continue to produce the Senior Leadership Brief and Incident Update Reports

Other:

- The US Coast Guard continues to demobilize, though the air boats will remain. A total of 98 persons have been rescued to date in ND
- The US Army Corps of Engineers continues to monitor the levees
- US Customs and Border Protection is assisting local law enforcement

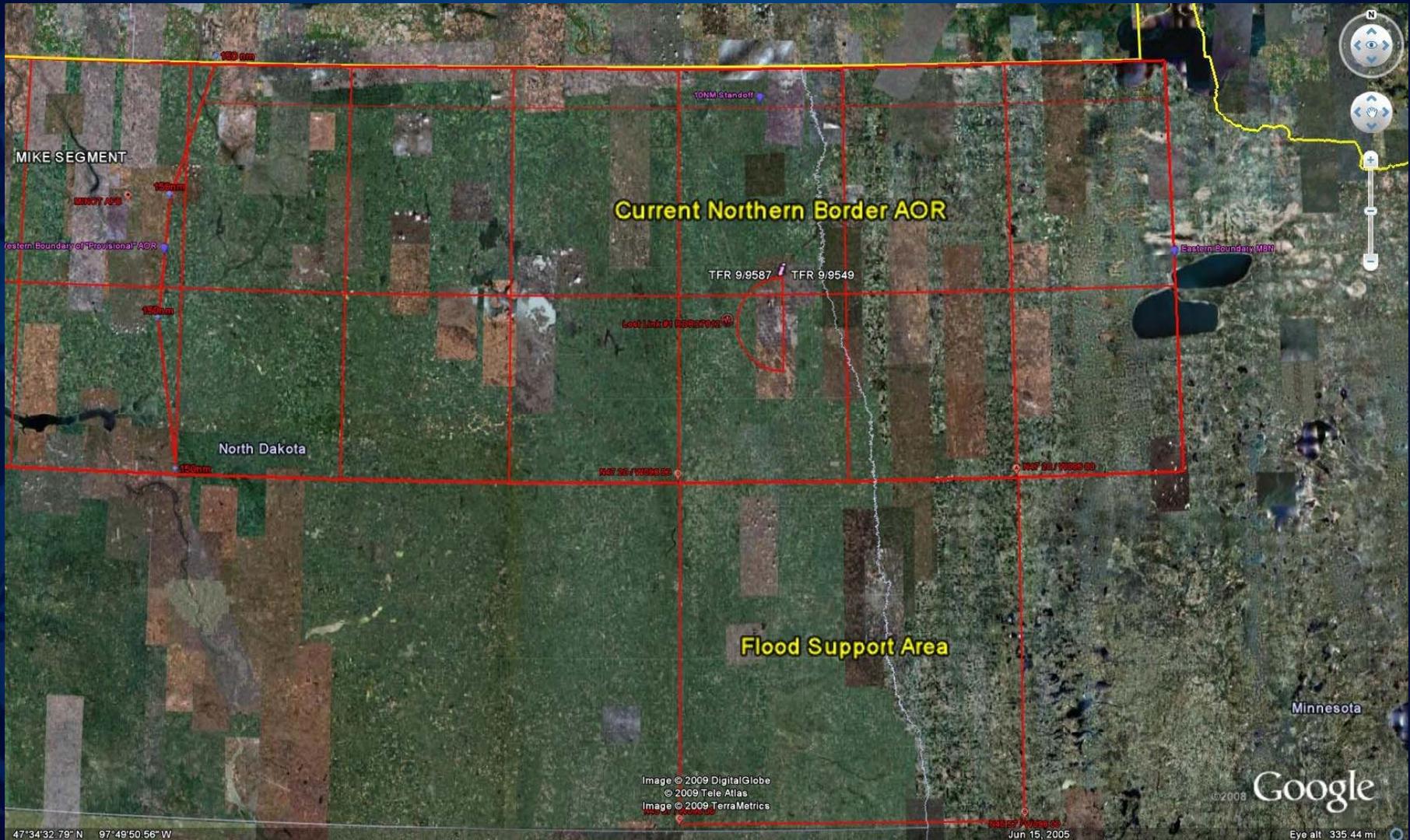
Time/Date of Report: 0600 EDT 2 April 2009

Incident Awareness and Assessment (IAA) Activities

- **Department of Homeland Security**
 - Customs and Border Protection
 - Asset: MQ-9 Predator
 - Certificate of Authority approved from 23 March through 22 April 2009
 - Flying crisis-support operations today 2 April 2009 in North Dakota
 - Sensor/Coordinates:
 - Electro-Optical/Infrared, Synthetic Aperture Radar and Full Motion Video
 - Received Mission Assignment from the Federal Emergency Management Agency to support:
 - » North Dakota Emergency Operations Center
 - » Minnesota Homeland Security/Emergency Management Agency

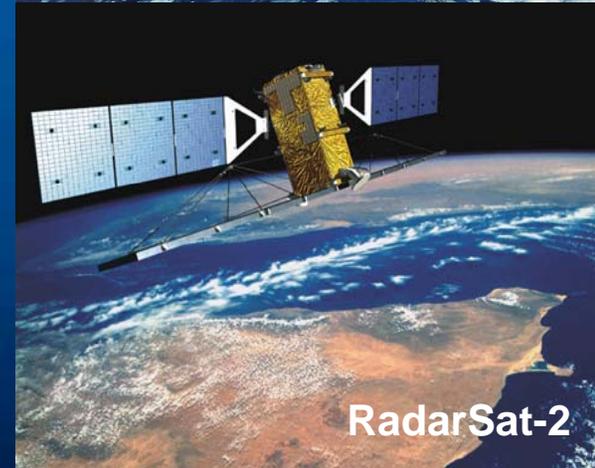


Customs and Border Protection/ Predator; Flood Support Operating Area



IAA Activities (cont.)

- **Department of Homeland Security (cont.)**
 - Federal Emergency Management Agency
 - Request submitted to National Geospatial-Intelligence Agency
 - Assets:
 - RadarSat-1 and RadarSat-2
 - WorldView-1, QuickBird, IKONOS and GeoEye-1
 - Area of Operation:
 - Fargo, North Dakota
 - Grand Forks, North Dakota
 - Crookston, Minnesota



IAA Activities (cont.)

- **Department of Defense**
 - Asset: Cessna – 182 and 172
 - Civil Air Patrol (flying in Title 10 Status)
 - Completed 42 crisis-support missions to date (20 March 2009) and approved for additional missions in North Dakota
 - Area of Operation
 - Bismarck/Fargo, North Dakota
- **National Aeronautics and Space Administration**
 - Asset: Advanced Spaceborne Thermal Emission and Reflection Radiometer
 - Collect on 26 March 2009 (cloud covered)
 - Asset: Landsat
 - Collect on 26 March 2009 (cloud covered)
 - Area of Operation
 - Fargo, North Dakota
- **United States Geological Survey**
 - Asset: SPOT multi-spectral and high resolution Imagery
- **United State Army Corps of Engineers**
 - Acquiring 4 band visible imagery at 1 meter resolution
 - Scheduled for 28-29 March 2009

Cessna - 182



ASTER



SPOT

Useful Websites

- **Homeland Security Information Network – Emergency Management Portal**
 - <https://government.hsin.gov/sites/EmergencyManagement/default.aspx>
- **Intelink**
 - http://www.intelink.gov/wiki/March_2009_North_Dakota_Flooding
 - https://www.intelink.gov/wiki/March_2009_North_Dakota_Flooding#.28U.29_GEOINT_Products_and_GIS_Data
- **Civil Air Patrol**
 - <https://missions.cap.af.mil/login.cfm>
- **Hazards Data Distribution System**
 - <http://hdds.usgs.gov/hdds>

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