

CHAPTER 60

PREDICTIVE SERVICES

Predictive Services provides decision support services to field units, area coordinators, and national level managers by providing briefings, reports, mapping products, outlooks and analysis related to fire weather, fire potential, fuel conditions, fire behavior, fire situation, resource status and availability. For the National Predictive Services handbook, Refer to NMG 60.

PRODUCTS

The primary Predictive Services products are issued through the fire season and periods when activity and/or burning conditions warrant and include the following;

- NW 7-Day Significant Fire Potential Forecast: plots observed and forecasted fuel dryness, and projected risk of new large fires or significant growth on existing large fires for the 12 Predictive Service Areas (PSAs) in the Northwest.
- Monthly and Seasonal Significant Fire Potential Outlook (posted last week of each month, more frequently if conditions warrant).
- Fire Behavior Outlook: narrative assessment of short and medium-term critical fuels and fire behavior conditions (issued as needed).
- NW Morning Brief: provides fire situation summary info on NW IA and existing large fire narratives (issued daily).
- The Situation Report provides detailed local area statistics of reported daily and YTD wildfire and RX activity (issued daily).

Users may access Predictive Service products via the NWCC web site: <http://www.nwcweb.us>.

Predictive Services menu choices are found near the top of the left-hand bar:

- Intelligence
- Weather
- Fuels/Fire Danger
- Outlooks
- GIS
- Fire Analysis

The 7-Day Significant Fire Potential Forecast, Monthly and Seasonal Significant Fire Potential Outlook and Fire Behavior Outlook are located on the OUTLOOKS page. The Morning Brief and Situation Report are on the INTELLIGENCE page. The National Incident Management Situation Report (IMSR) can be accessed from the INTELLIGENCE page or by clicking the NATIONAL button on the header bar of the NWCC home page. The FIRE ANALYSIS page is intended to provide support for short-and long-term fire behavior analyses performed on incidents around the geographic area. Other information on fuel dryness, fire weather, and fire mapping resources can be found by following the appropriate links in the Predictive Services menu.

INTELLIGENCE

GENERAL REPORTING REQUIREMENTS

In order to provide valid information for decision support, determination of preparedness levels, and to support effective prioritization, allocation, and re-allocation of resources, it is the responsibility of each participating Federal Agency Unit to submit accurate and timely Situation (SIT) Reports and Incident Status Summaries (ICS-209) and promptly communicate to the NWCC Center Manager situations and concerns needing special consideration.

New 2015: IRWIN

The Integrated Reporting of Wildland-Fire Information (IRWIN) is a service tasked with providing data exchange capabilities between existing applications used to manage data related to wildland fire incidents. Successful data exchange requires modifications to applications and standardization of data and business processes. For more information see the IRWIN website:

<http://www.forestsandrangelands.gov/WFIT/applications/IRWIN/index.shtml>

IRWIN went live April 1, 2014, with data exchange between WildCAD, Integrated Fire Management (IFM), FireCode, ICS209, Wildland Fire Decision Support Systems (WFDSS), and Enterprise Geospatial Portal (EGP). There were 22 applications identified for data exchange in the 2009 project plan.

SIT-209 PROGRAM

The SIT-209 Program is an interagency incident reporting application that captures large wildland fire and all-hazard incident data from the Incident Status Summary (ICS-209) and fire activity reports from dispatch offices from the Interagency Situation Report (SIT Report). The SIT Report and the ICS-209 share certain incident information, summaries, and reports. The data reported into the SIT-209 Program is used to create the National Incident Management Situation Report (IMSR), NW Situation Reports, and the NW Morning Brief on a daily basis during the active fire season. Local GACCs, NIFC and Congress use the SIT-209 data to obtain incident and fire situation information. Archived SIT-209 data is used for year-to-date and historical reports.

Note: The SIT-209 Program underwent a significant redesign (implemented Jan. 2014) in order to:

- meet National Incident Management System (NIMS) and other mandated requirements
- meet more stringent IT and security requirements
- provide a more robust and functional system

The overall look and navigation of the program had significant changes. However, business rules, reporting responsibilities, submission times and processes for creating/managing user accounts remain unchanged. SIT-209 User Guides have been updated.

To enter SIT-209 data and view reports, a National Fire and Aviation Management Web Applications (FAMWEB) login is required. To request an account, on the FAMWEB home page, select "FAMWEB Logon Request", check "SIT-209 Access?". Users who already have a FAMWEB account for other programs (FIRESTAT, AMIS, etc.), but need SIT-209 access, should contact their GACC Intelligence Section directly to request access. Reference: FAMWEB Logon Request Form. fam.nwccg.gov/fam-web/

INCIDENT STATUS SUMMARY (ICS-209)

The ICS-209 is entered by the Area dispatch centers or incident management team responsible for the incident. ICS-209s are submitted electronically via the FAMWEB page. Login required. Users gain access by clicking the "SIT-209" button in the left hand menu bar.

ICS-209 REPORTING REQUIREMENTS

- ICS-209 is required for all Class D (100+ Timber acres) and Class E (300+ grass/brush acres) fires or when a Type 1 or Type 2 Incident Management Team is committed.
- Other circumstances which may require an ICS-209 include:
 - Fire expected to remain active more than 72 hours since detection (regardless of size).
 - Significant commitment of national resources (aircraft, type 1 crews, 5+ engines, national contract equipment).

- Significant event occurred, or predicted, like; severe weather events, large increase in resources (especially national resources), large acreage growth, or impacting high value resources.
- All-hazard (non-fire) incidents require an ICS-209.
- ICS-209s may also be requested for incidents not meeting general criteria if deemed necessary by the NWCC Emergency Operations Manager or Center Manager.
- Management strategies for wildfire incidents include only the following:
 - Confine
 - Full Suppression
 - Monitor
 - Point Zone Protection

For additional reporting guidelines refer to NMG Chapter 60 or NICC INTELLIGENCE page, under “Wildland Fire Reporting Guidelines for the ICS-209”.

ICS-209 SUBMISSION GUIDELINES:

- ICS-209s are submitted electronically via the FAMWEB page. Login required. Users gain access by clicking the “SIT-209” button in the left hand menu bar.
- The ICS-209 is submitted electronically by the agency that has protection responsibility for the fire regardless of who administers the land. If the protection agency is non-Federal and chooses not to meet federal reporting standards, then the Federal agency which has administrative jurisdiction will submit the ICS 209.
- The ICS-209 will be submitted electronically by the Local Unit to the Northwest Coordination Center (NWCC) by 2300 hours PT.
- The first summary will cover a period from the onset of the incident to 2100 hours, if at least 4 hours have elapsed.
- Each subsequent summary will cover consecutive 24 hour periods, ending at 2100 hours.
- A final ICS-209 will be submitted when the incident is declared 100% controlled (other GACC final ICS-209 requirements may differ). Reference: 209 User's Guide at: fam.nwccg.gov/fam-web/

NORTHWEST AREA INTERAGENCY SITUATION REPORT (SIT REPORT)

The Interagency Situation Report known as the SIT Report is a FAMWEB application entered by Area dispatch centers. SIT Reports are submitted electronically via the FAMWEB page. Login required. Users gain access by clicking the “SIT-209” button in the left hand menu bar.

SIT REPORTING REQUIREMENTS

- Fires and acres shall be reported by ownership. Reporting is required for all prescribed fire activity along the same schedule as wildfires.
- Reporting frequency is submitted daily during fire season – typically April through October - and weekly throughout the remainder of the year. NWCC will notify users of changes in reporting frequency as activity warrants (i.e. weekly to daily, daily to weekly).
- The reporting time is by 0100 hours on the following day. NICC retrieves reports from FAMWEB by 0100 hours (0200 MT).
- When daily reporting is in effect, the activity period is 0001 to 2400. If reporting weekly, year-to-date (YTD) acres may be solely updated.

The SIT Report application includes these elements:

- Daily Fire Statistics
- Planned Prescribed Fires
- Remarks
- Year-to-Date Statistics
- Incident Priority

Note: The “Committed Resources” and “209 Entry” tabs were removed from the redesigned SIT-209 Program.

Note: Figures entered in the Daily Fire Statistics tab must only represent activity that occurred in the recent 24 hour period. Any corrections or updates to reported activity that did not occur in the recent 24 hour period should be entered as adjustments in the YTD Statistics tab, NOT in the Daily Fire Statistics tab. Note reasons for any significant YTD adjustments in the Remarks tab.

Reference: SIT Report User’s Guide at: fam.nwccg.gov/fam-web/

GEOGRAPHIC DECISION SUPPORT CENTER

The Geographic Decision Support Center (GDSC) is activated when additional personnel are needed to provide technical analysis and support to the Geographic Area Resource Managers. The Pacific Northwest GDSC can be activated as necessary with consent of the NWCC Center Manager and is coordinated with the National Fire Decision Support Center (NFDSC)

The purpose of the GDSC is to provide high-level analysis for critical decision support in relatively short time frames. The GDSC with guidance from the NWCC Fire Analyst helps prioritize incidents, inform initial incident and IMT strategies, and support fire analysts assigned to specific incidents.