

NWCG Geospatial Subcommittee
Andrew Bailey, Chair



NWCG GEOSPATIAL SUBCOMMITTEE



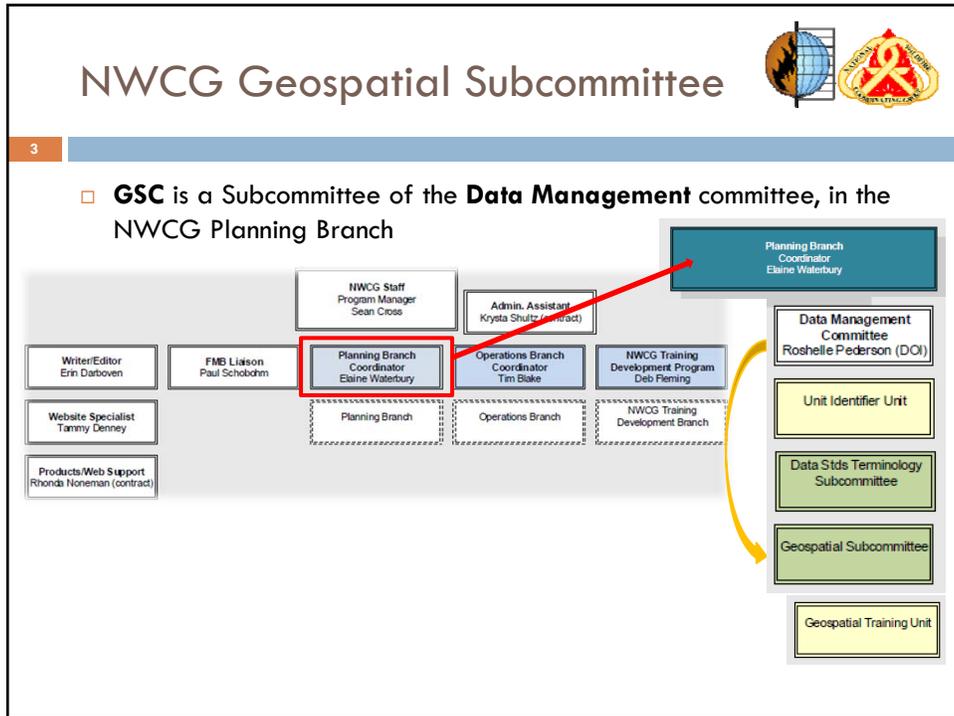
2016 Intermediate GIS Training
February 9th, 2016

NWCG Mission



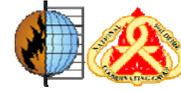
- “The National Wildfire Coordinating Group (NWCG) provides national leadership to develop, maintain, and communicate interagency standards, guidelines, qualifications, training, and other capabilities that enable interoperable operations among federal and non-federal entities.”

• Bureau of Indian Affairs (DOI)	• Intertribal Timber Council
• Bureau of Land Management (DOI)	• National Association of State Foresters
• Fish and Wildlife Service (DOI)	• National Park Service (DOI)
• Forest Service (USDA)	• United States Fire Administration (DHS-FEMA)
• International Association of Fire Chiefs	



- ## Membership
- 
- | | |
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|---|---|

GSC Mission Statement



“The Geospatial Subcommittee provides **national leadership** for the **integration** of geospatial information, technology, and systems into all phases of wildland fire management. This includes the development and promotion of **standards, tools** and **trusted data** to support wildland fire operations, **training** and development of geospatial capability in the field, and providing **geospatial expertise** to other wildland fire lines of business.”

GSC Objectives



- Define, promote, and recommend the use of NWCG **standards**-based interagency datasets
- Develop requirements for centralized acquisition, storage, and delivery of trusted interagency **geospatial datasets**
- Identify common GIS **training** needs and resources
- Develop, publish, and maintain geospatial training courses and accompanying **task books, tools, standard operating procedures, guides, and job aids.**

Geospatial Standards



- Data exchange standards for between agency, between system data exchange.
- Approved:
 - Wildland Fire Perimeters (polygon) - 2014
 - Wildland Fire Locations (point) – 2014
 - Fuels Treatments (polygon) – 2014
 - Aviation Hazards - 2015
 - Activity (point, polygon)
 - Obstacle (point, line, polygon)
- Proposed:
 - Wildland Fire Event (2015)
- Assigned:

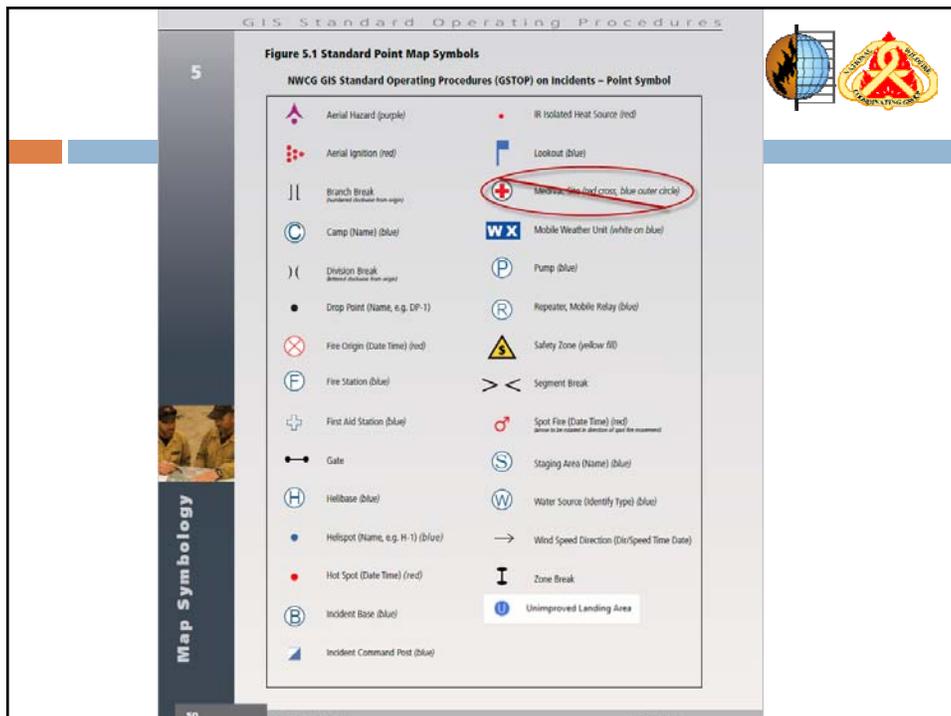
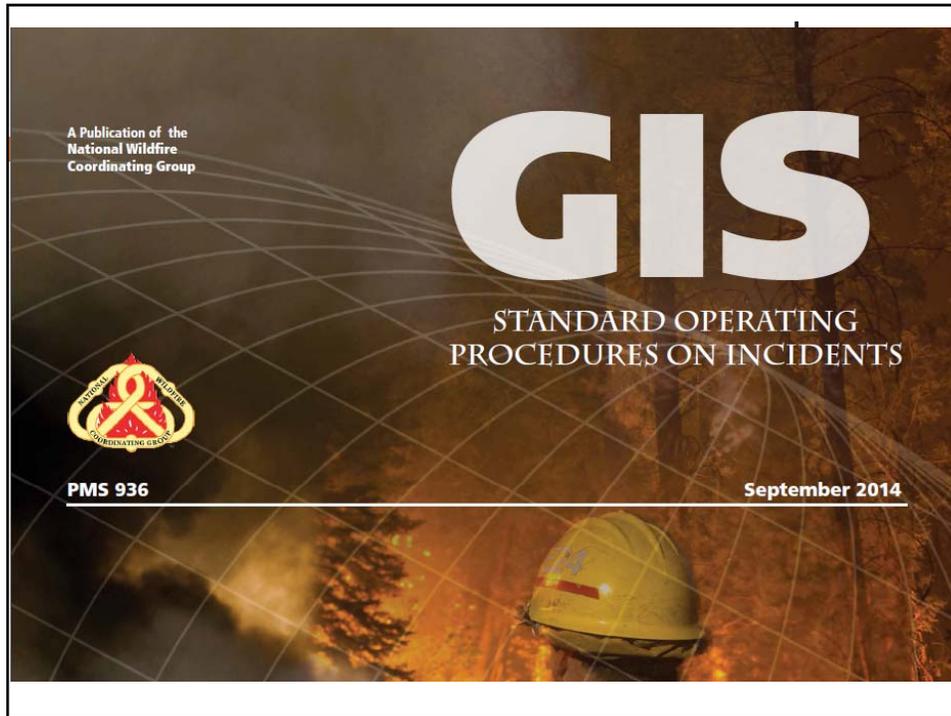
<ul style="list-style-type: none"> □ Aviation Hazards (revision) □ Infrared Spatial Data Elements □ Resource Location □ Water Sources □ Protection Unit (polygon) □ Predictive Service Area Boundary (polygon) 	<ul style="list-style-type: none"> □ Fire Management Unit □ Helispot □ GACC Boundary □ Wildfire Dispatch Area Boundary □ Wildfire Dispatch Office Location □ Mitigation Plan Boundary □ Wildland Urban Interface (polygon)
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<http://www.nwcg.gov/data-standards>

Aviation Hazard Map Standards



- Co-steward with National Interagency Aviation Committee (NWCG-NIAC)
- Aviation Obstruction (Point, Line, and Polygon) and Aviation Activity (Point and Polygon) data standards
- Aviation Hazard Mapping Geodatabase Template based on standards
- Map Product Description Sheet for standard aviation hazard map
- ArcGIS template MXDs
- ArcGIS symbol set style file
- http://gis.nwcg.gov/standards_data.html



Our Bold New World



- ArcGIS Online & Collector Project
- Perimeter workflows
- Interagency data repository
- Symbology Revisions
- Data Standards

How To Stay Informed



Wildland Fire GIS Settings

[Community Home](#) [Discussion 114](#) [Library 61](#) [Blogs 2](#) [Events 2](#) [Members 110](#)

Announcements

Add Announcement Create a new announcement for display here.
[Add Announcement](#)

Latest Discussion Posts

 **NWCG GSC Invitation: Join Us for 2016 Fire Season...**
By [Jacob.Balby](#) 23 days ago
Please share with your mailing lists 2016 Fire Season GIS Specialist (GSS) Webinar #1 join us for a webinar on Feb 17, 2016 at 1:00 PM EST. Register now!
<https://attendee.gotowebinar.com/register/5204542752224715010> Time: 9:00 AM Alaska

 **CTSP position becoming ITSS plus Training**
By [Jacob.Balby](#) one month ago
FYI, change in Computer Technical Specialist (CTSP) qualification. See attached memo. Also, upcoming training announcement for the new ITSS (former CTSP)

Latest Shared Files

 **20151215 GSC Conference Call Notes**
By [Jacob.Balby](#) 27 days ago

 **Weather Stations 2016**
By [Jacob.Balby](#) one month ago
This is a Shapefile showing all ACTIVE weather Stations in Mesowest as of 01/01/2016. Has links to...

 **CTSP becoming ITSS**
By [Jacob.Balby](#) one month ago

[More](#)



GISS Spring Webinars



2016 Fire Season GIS Specialist (GISS) Webinars

Join us for a webinar:

Wednesday, February 17th, 2015 at 1:00 PM MDT.

Register now for February!

<https://attendee.gotowebinar.com/register/3239565141146104322>

Time:

- 11:00 AM Alaska
- 12:00 PM Pacific
- 1:00 PM Mountain
- 2:00 PM Central
- 3:00 PM Eastern
- <http://gis.nwccg.gov/>
- Additional Webinar, Tuesday, May 3rd, 2016 at 1:00 PM MDT

WFDSS - DATA FOR DECISION SUPPORT



Wildland Fire Management Research, Development & Application Program
USDA Forest Service – Rocky Mountain Research Station

Andrew Bailey – Data Manager



GISS & WFDSS

- Typical requests:
 - Create maps of fire behavior outputs for planning and operations meetings
 - Add Management Action Points (MAPs) to GISS products such as Situation Unit or Operations Maps
- Primary Users:
 - FBAN / LTAN / GSAN
 - SOPL
 - Local/Host Unit Staff
 - Agency Administrators

Wildland Fire Decision Support System

Access and GIS Capabilities:

- Request an account as a “Viewer”
 - read access to WFDSS
 - Non-Fed Government employees will have to have documentation of IT Security Training
 - Geographic Area (GA) Editor can sponsor state/local users
- Incident data downloads
 - Shapefile, KMZ, ASCII
 - Includes Perimeters, Model Outputs, and Management Action Points

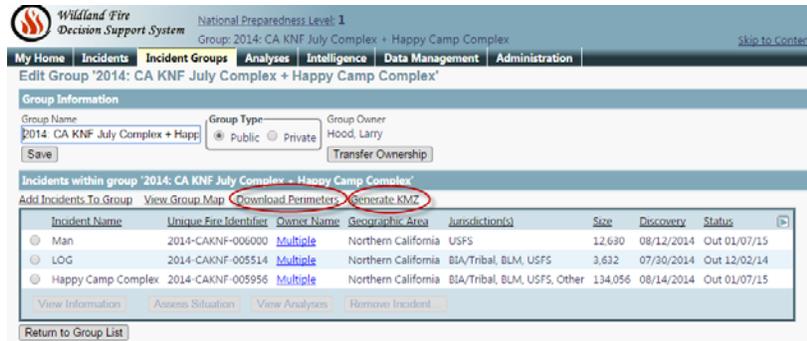
- [About WFDSS](#)
- [Training](#)
- [Data](#)
- [FAQs](#)
- [Related Resources](#)
- [WFDSS Help](#)
- [Sign In to Production](#)
- [Sign In to Training](#)
- [Sign Into Mobile Website](#)
- [Request Account](#)

Wildland Fire Decision Support System




Access and GIS Capabilities:

- Download perimeters & KMZ data packages for “groups” of incidents in WFDSS



Wildland Fire Decision Support System National Preparedness Level 1
Group: 2014: CA KNF July Complex + Happy Camp Complex [Skip to Content](#)

My Home Incidents Incident Groups Analyses Intelligence Data Management Administration

Edit Group '2014: CA KNF July Complex + Happy Camp Complex'

Group Information

Group Name: 2014 CA KNF July Complex + Happy Camp Complex Group Type: Public Private Group Owner: Hood, Larry

Save [Transfer Ownership](#)

Incidents within group '2014: CA KNF July Complex + Happy Camp Complex'

Add Incident To Group View Group Map **Download Perimeters** **Generate KMZ**

Incident Name	Unique Fire Identifier	Owner Name	Geographic Area	Jurisdiction(s)	Size	Discovery	Status	
Man	2014-CAKNF-006000	Multiple	Northern California	USFS	12,690	08/12/2014	Out 01/07/15	
LOG	2014-CAKNF-005514	Multiple	Northern California	BIA/Tribal, BLM, USFS	3,632	07/30/2014	Out 12/02/14	
Happy Camp Complex	2014-CAKNF-005956	Multiple	Northern California	BIA/Tribal, BLM, USFS, Other	134,056	08/14/2014	Out 01/07/15	

[View Information](#) [Assess Situation](#) [View Analysis](#) [Remove Incident](#)

[Return to Group List](#)

- Auto-grouping of fires in complexes

For More Information:

NWCG GSC: <http://www.nwcg.gov/committees/geospatial-subcommittee>

Committees > List of Committees > Geospatial Subcommittee

NWCG Data Standards: <http://www.nwcg.gov/data-standards>

Tool Box > Data Standards

Wildland Fire GIS LLC Community

<http://www.wildfirelessons.net/communities/viewcommunities/groupdetails/?communitykey=d216179c-a55d-4248-ad93-2177acb923b&tab=groupdetails>

WFDSS: <http://wfdss.usgs.gov/>

Wildland Fire Management RD&A: <http://www.wfmrda.nwcg.gov/>

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