GISS Webinar

Thursday May 1, 2014
3:00 PM Eastern
2:00 PM Central
1:00 PM Mountain
Noon Pacific

National Wildfire Coordinating Group (NWCG)
Geospatial Subcommittee (GSC)
http://gis.nwcg.gov

Today's Presenters

Emmor Nile, OR (State)
Sean Triplett, USFS NIFC
Cameron Tongier, US FWS
Lorri Peltz-Lewis, USFS
Andrew Bailey, DOI WFM-RD&A
Kathie Hansen, NPS
Dale Guenther, USFS
Tom Mellin, USFS

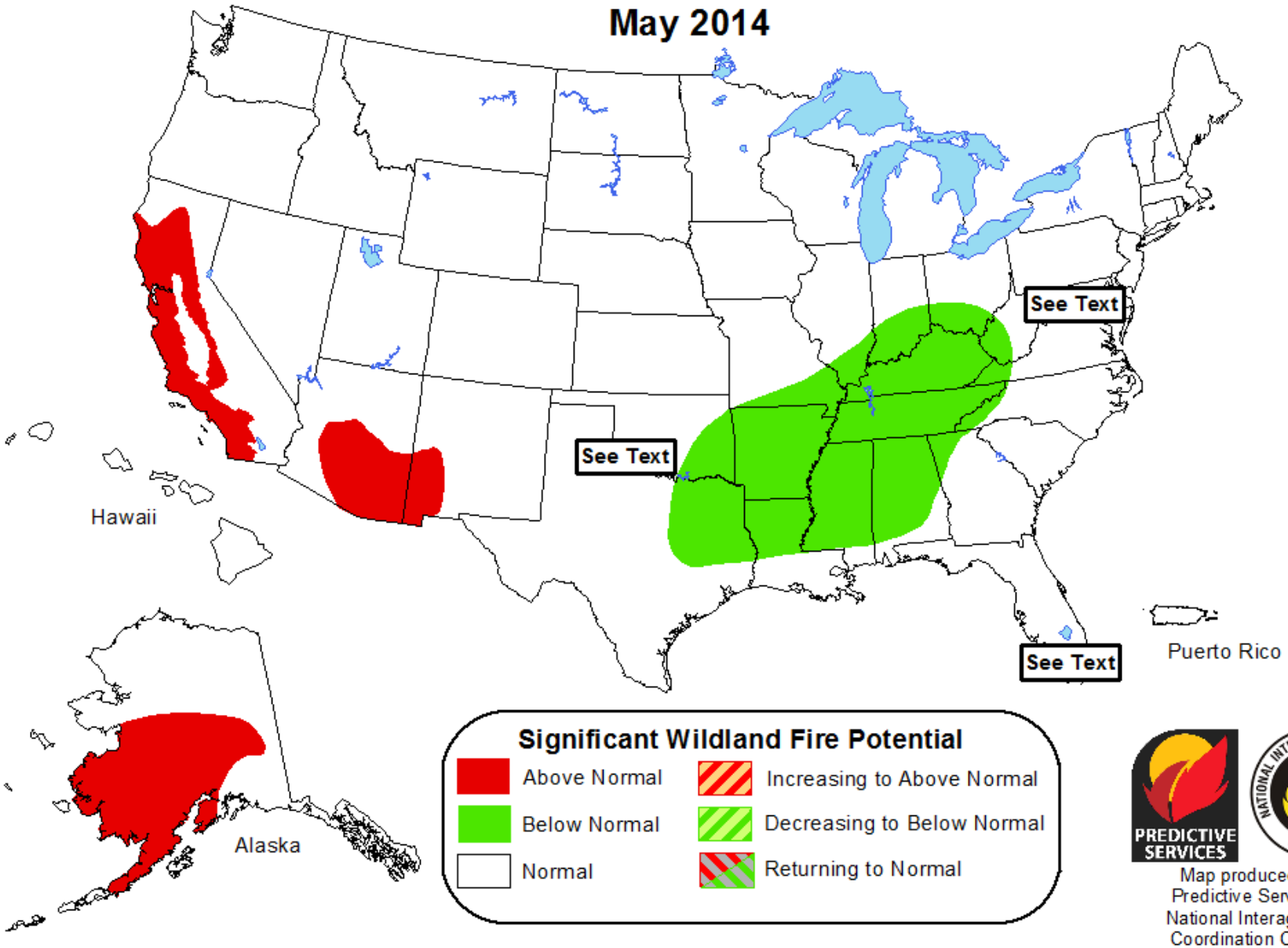
Objective:

To inform wildland fire incident GIS resource people about the status of topics impacting the 2014 fire season.

Overview:

- Sponsored by Geospatial Sub Committee (GSC)
- Questions submitted via email or Webinar chat
- One hour in length
- Qualified GISS and GISS-T invited
- Situation unit leaders invited
- Webinar recording to be posted at gis.nwcg.gov

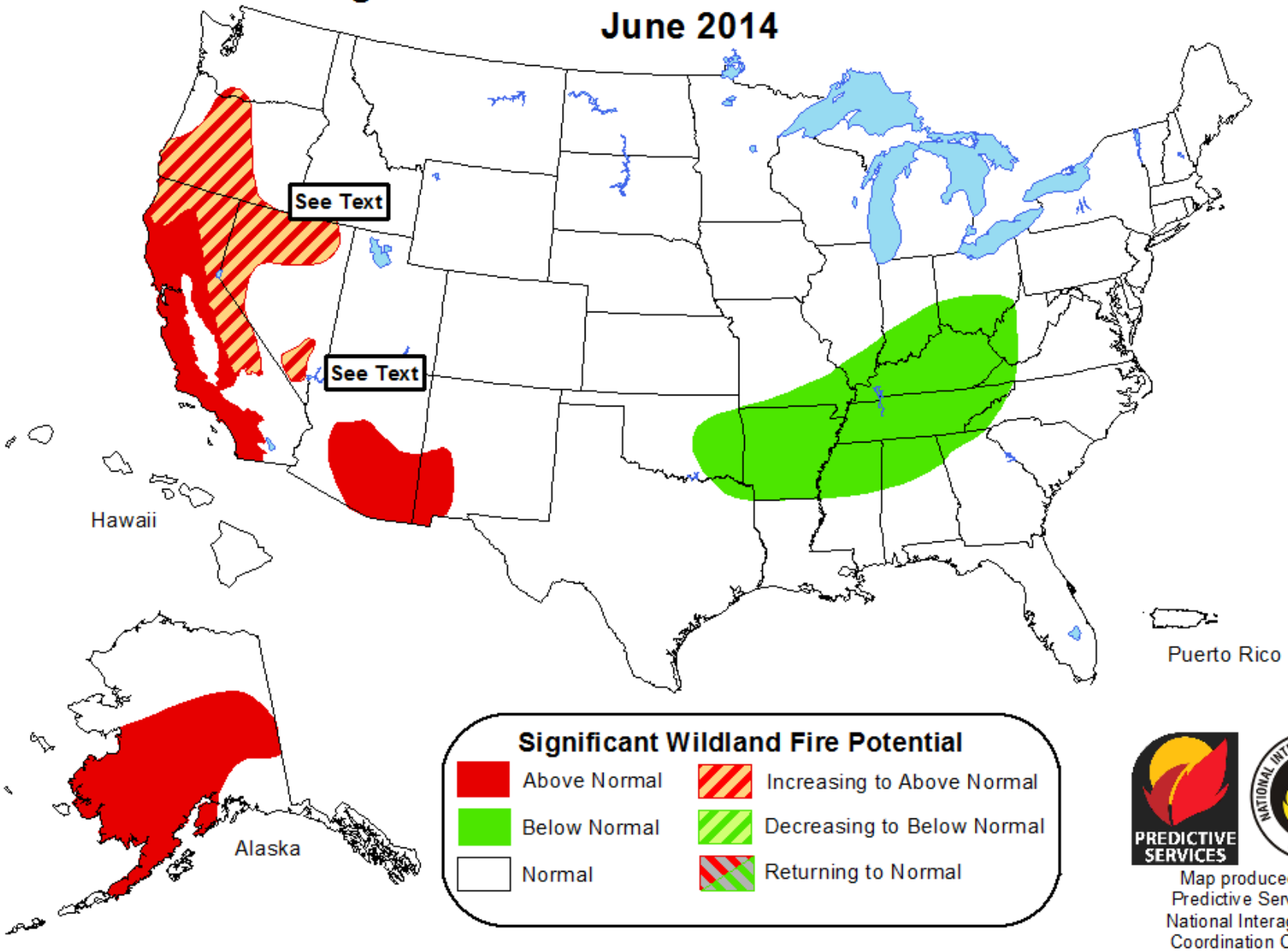
Significant Wildland Fire Potential Outlook
May 2014



Above normal significant wildland fire potential indicates a higher than usual likelihood that wildland fires will occur and/or become significant events. Wildland fires are still expected to occur during forecasted normal conditions as would usually be expected during the outlook period. Significant wildland fires are still possible but less likely than usual during forecasted below normal periods.

Map produced by
Predictive Services,
National Interagency
Coordination Center
Boise, Idaho
Issued May 1, 2014
Next issuance June 1, 2014

Significant Wildland Fire Potential Outlook
June 2014



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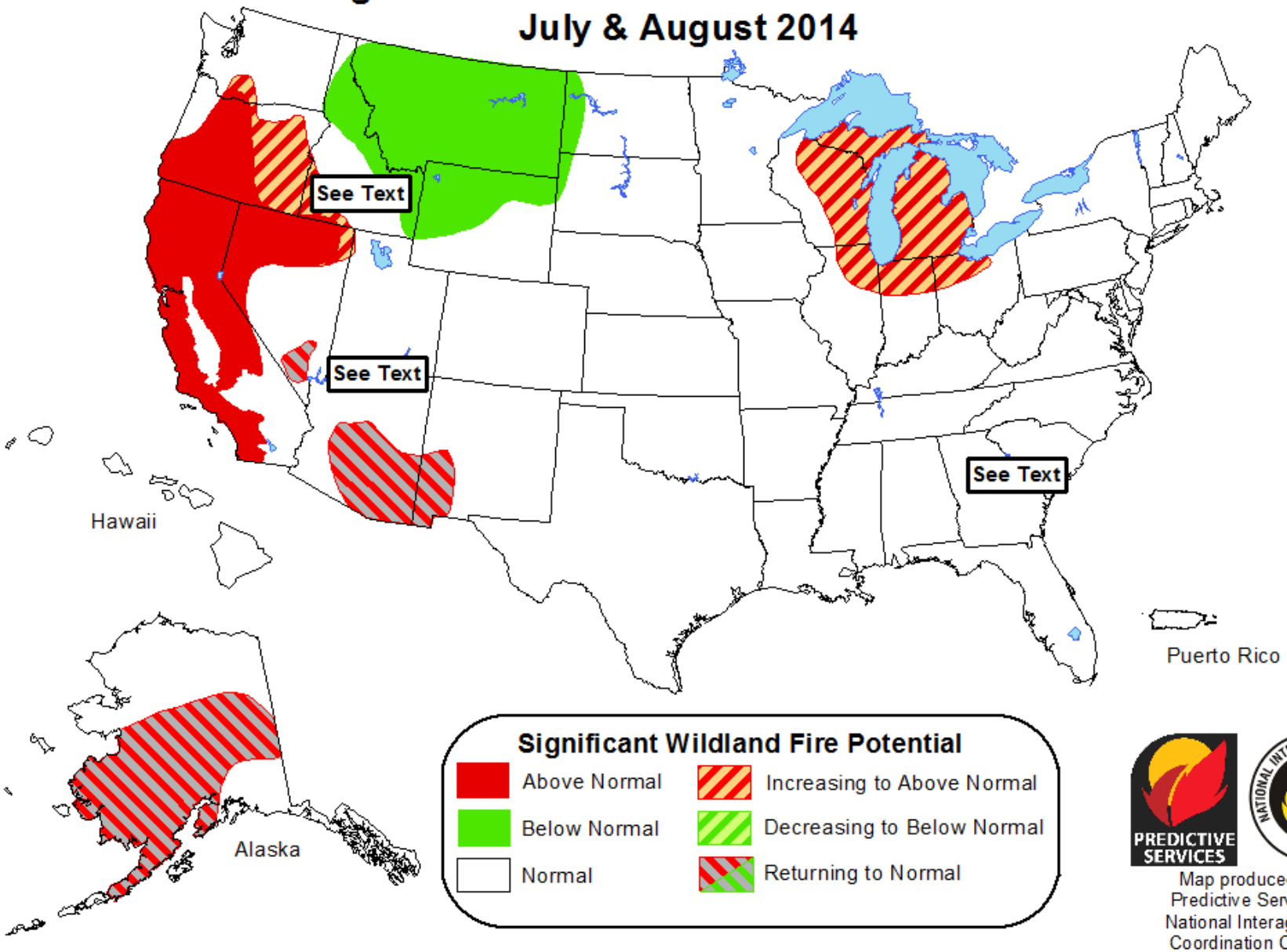
Next issuance June 1, 2014

Significant Wildland Fire Potential Outlook
July & August 2014



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NIFC Fire Enterprise Geospatial Portal (EGP)

http://egp.nwcg.gov

http://egp.nwcg.gov

EGP =
Authoritative Fire data + Visualization + Analytics

Accounts?

- Sean Triplett – setriplett@fs.fed.us
- Jill Kuenzi – jkuenzi@fs.fed.us

Federal ArcGIS version status 10.0, 10.1 or 10.2

- USFS – ArcGIS 10.1
- NPS – ArcGIS 10.1
- FWS – ArcGIS 10 (10.1)
- BLM – ArcGIS 10 (10.1)
- Tribes & BIA – ArcGIS 10 (10.1)

States' ArcGIS Status

10.2 – AK, AL, AZ, CA, GA, KY, LA, MI, MN, MS, NM, NV, OK, OR, PA

10.1 – ID, MD, ME, MT, NC, NH, OH, TN, TX, UT, VA, WA

10.0 – FL, HI, SC, WI

9.2 – AR

Unknown –

CT, CO, DE, IA, IL, IN, KS, MA, MO, MT, ND, NE, NY, RI, SD, VT, WV, WY

ArcGIS in 2014

Poll

Technology Rentals

Lorri Peltz-Lewis

USFS R5, California

Contract w/ Region 5 – 3 year option possible – includes: Computers, Plotter, Printer, Scanners, etc.

GISS Computer: Win7 (64-bit), Intel i7, 16 GB RAM, 1280x960 resolution, Ethernet/WiFi/Bluetooth, etc.

GISS Software: ArcGIS 10.1 & 10.2 w/ current SP, 10 licenses, FIMT, DNR GPS, xTools, CALFIRE Tools, Google Earth, etc. Add-In/Ext @ 10.2 tested, CALFIRE being fixed.

Full list of specifications available – lpeltzlewis@fs.fed.us

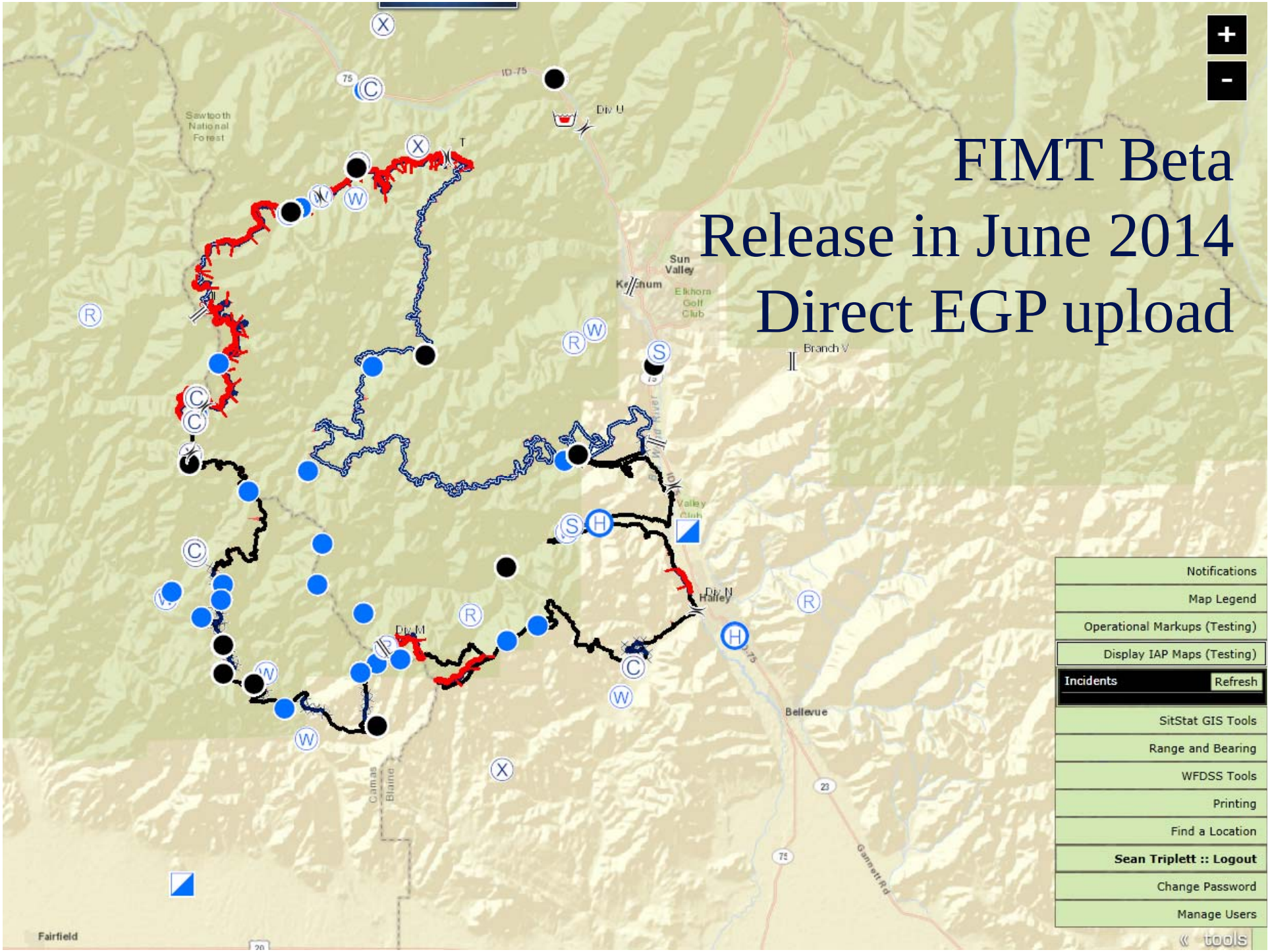
FIMT for version 10.1 status

Sean Triplett

http://gacc.nifc.gov/rmcc/fire_incident/index.html

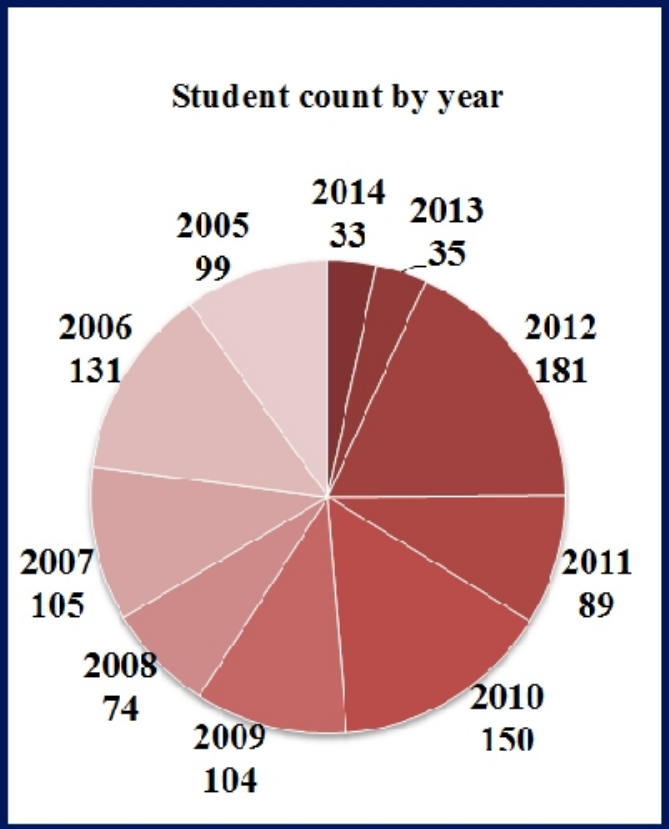
10.0.11 (May 2013):

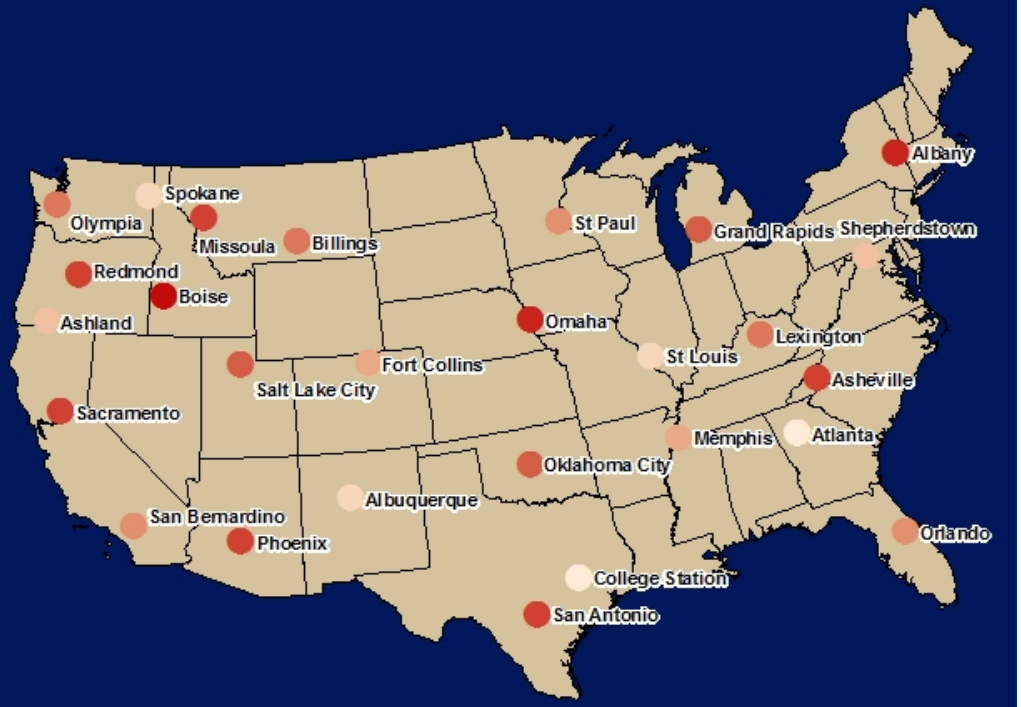
- ArcGIS Add-in, no longer an extension
- Works with 10.1 and 10.2


FIMT Beta
Release in June 2014
Direct EGP upload
Sawtooth National Forest
Sun Valley
Ketchum
Elkhorn Golf Club
Hailey
Bellevue
Fairfield
Camas
Blaine
Notifications
Map Legend
Operational Markups (Testing)
Display IAP Maps (Testing)
Incidents
Refresh
SitStat GIS Tools
Range and Bearing
WFDSS Tools
Printing
Find a Location
Sean Triplett :: Logout
Change Password
Manage Users
tools

http://training.nwcg.gov/courses/UsingFIMT/player.html

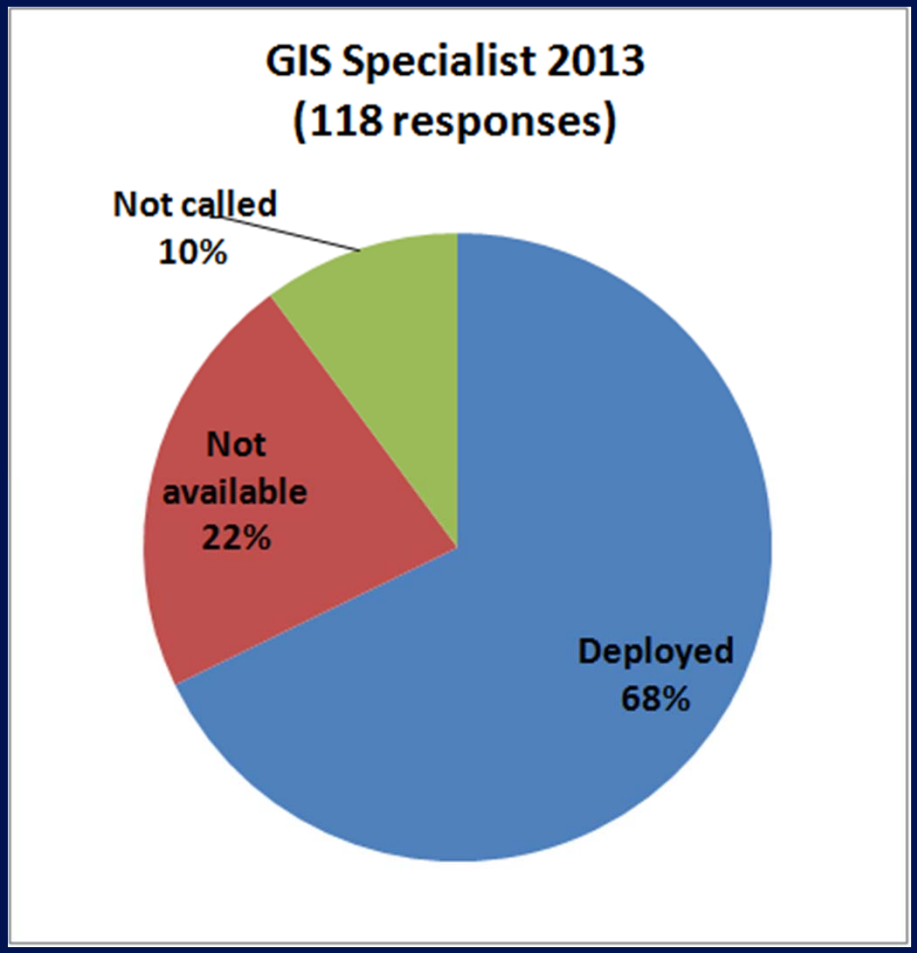
Training, S-341 *Emmor Nile*, Oregon

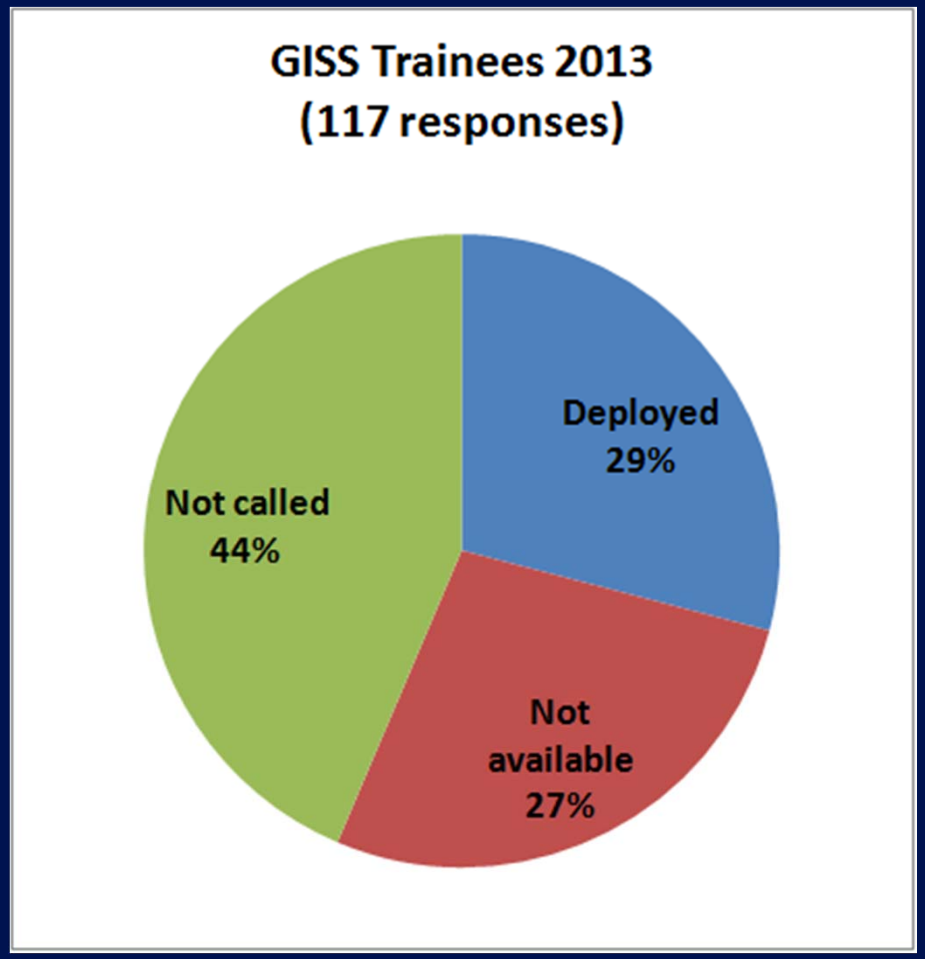




GTU, March 2014

2013 GISS dispatch survey





2014 GISS Trainee preparation

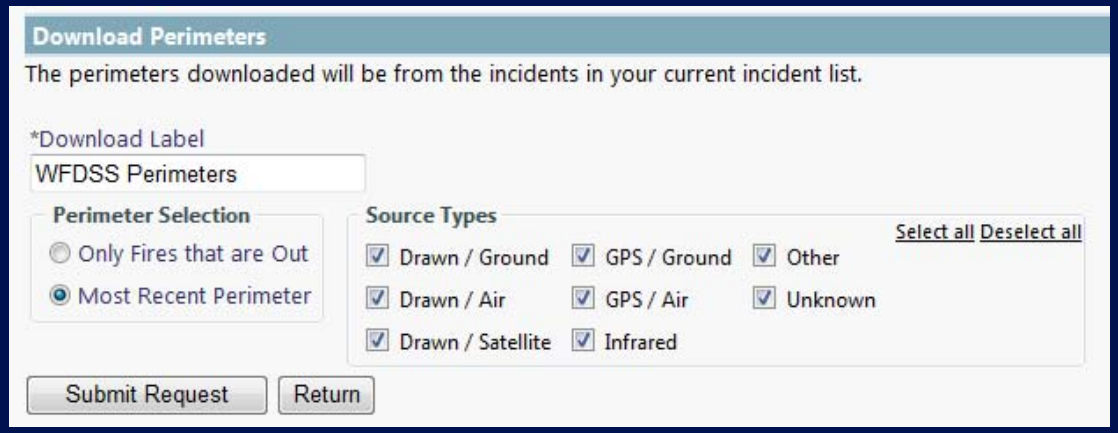
- Availability in ROSS
- GACC Priority Trainee list
- Be Proactive, make contacts & network
- Volunteer locally to get experience
  - Prescribed fire
  - Search & Rescue
  - Other ICS incidents

ROSS
an NWCG-sponsored project

Wildland Fire Decision Support System Update (*Andrew Bailey, DOI - WFM RD&A)*

- Request an account as a "Viewer"
  - read access to WFDSS
  - Non-Fed Government employees will have to take USFS IT Security Training
  - Geographic Area (GA) Editor can sponsor state users

- Incident data downloads
  - KMZ
  - shapefile
  - includes any perimeters in the system

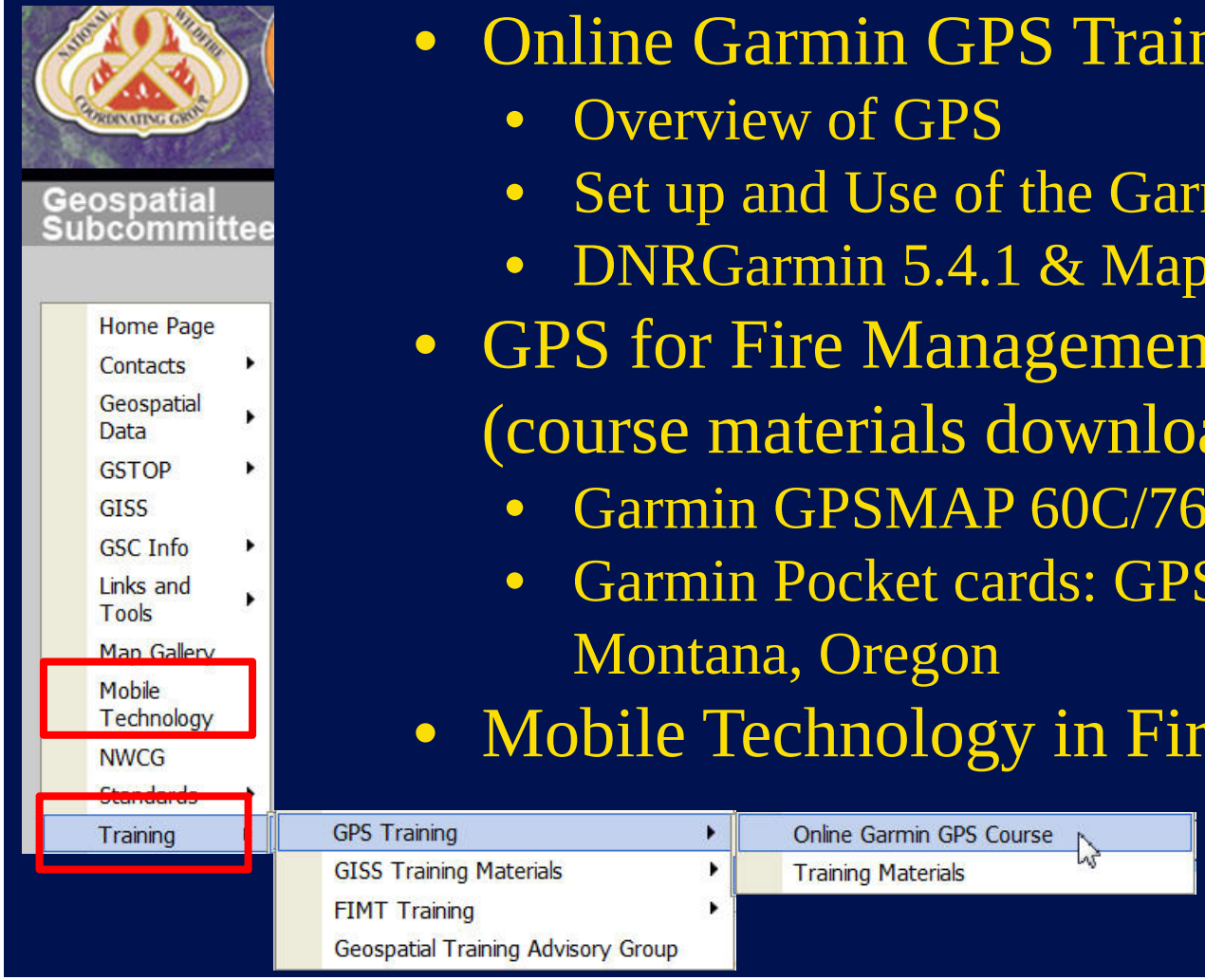


GPS & Mobile Technology on Incidents

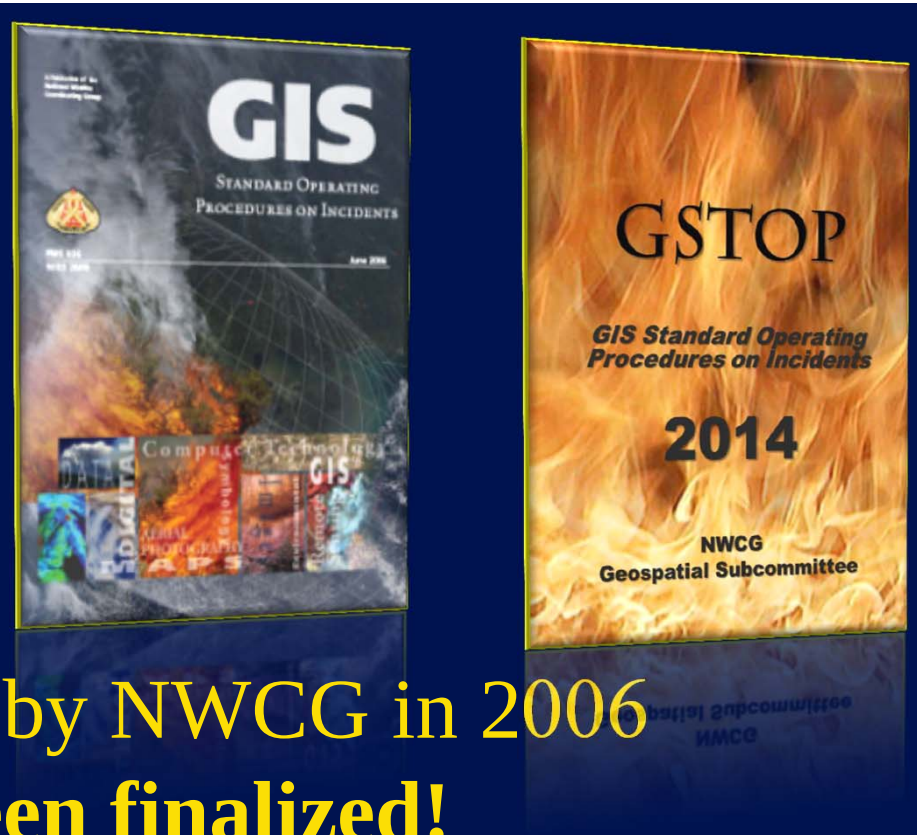
*Install DNRGarmin 5.4.1 & DNRGPS 6.0!

*GSC web site, http://gis.nwcg.gov

- Online Garmin GPS Training
  - Overview of GPS
  - Set up and Use of the Garmin GPSMap76S
  - DNRGarmin 5.4.1 & MapTech
- GPS for Fire Management Operations & ICS (course materials download)
  - Garmin GPSMAP 60C/76C & DNR Garmin
  - Garmin Pocket cards: GPSMAP 78/62, Montana, Oregon
- Mobile Technology in Fire & Aviation



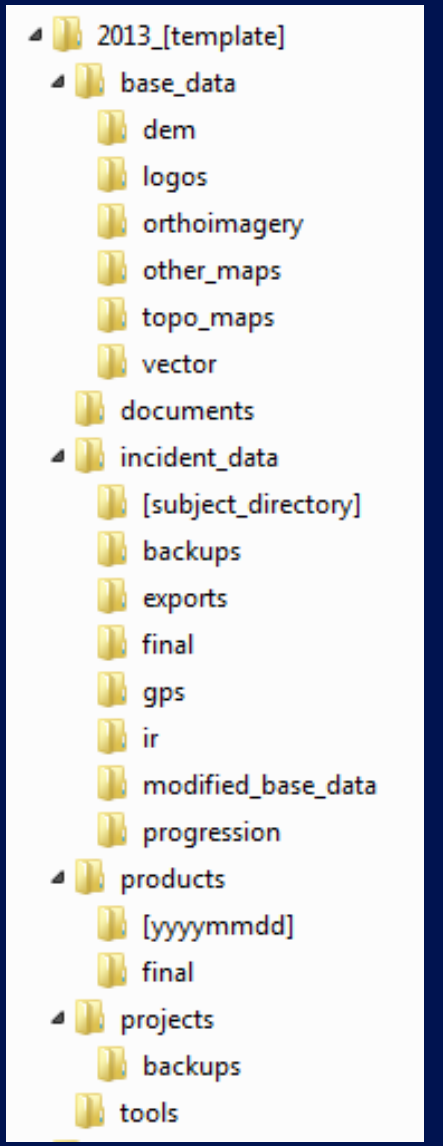
GIS
STandard
Operating
Procedures
on Incidents



- Originally published by NWCG in 2006
- **GSTOP 2014 has been finalized!**
- June 2014 electronic publication date
- Final version DID NOT change GISS PTB (2009)
- http://gis.nwcg.gov for final draft and http://www.nwcg.gov/pms/pubs/pubs.htm after NWCG publication date

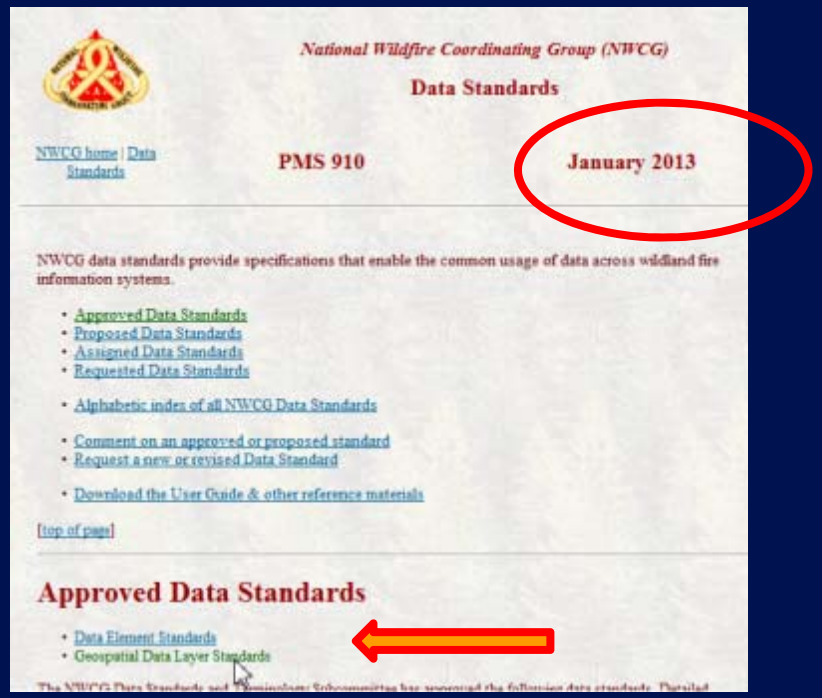
GSTOP Key Points

- "... will be met by all NWCG participating agencies."
- Data management, symbology and map products, data sharing, team transition
- 2014 main updates: Ch. 2 (data mgmt.), Ch. 5 (symbology), and Ch. 6 (maps) http://gis.nwcg.gov/gstop_symbol.html
- Ch. 7 reminder: datasets shared on a daily basis are fire perimeter and fireline layers
  - Post data on a the NIFC ftp site, ftp://ftp.nifc.gov
  - Many applications and sites depend on this: www.geomac.gov , www.inciweb.org ,etc.



New! NWCG Data Standards Web Page Updates

http://www.nwcg.gov/pms/stds/standards/index.htm

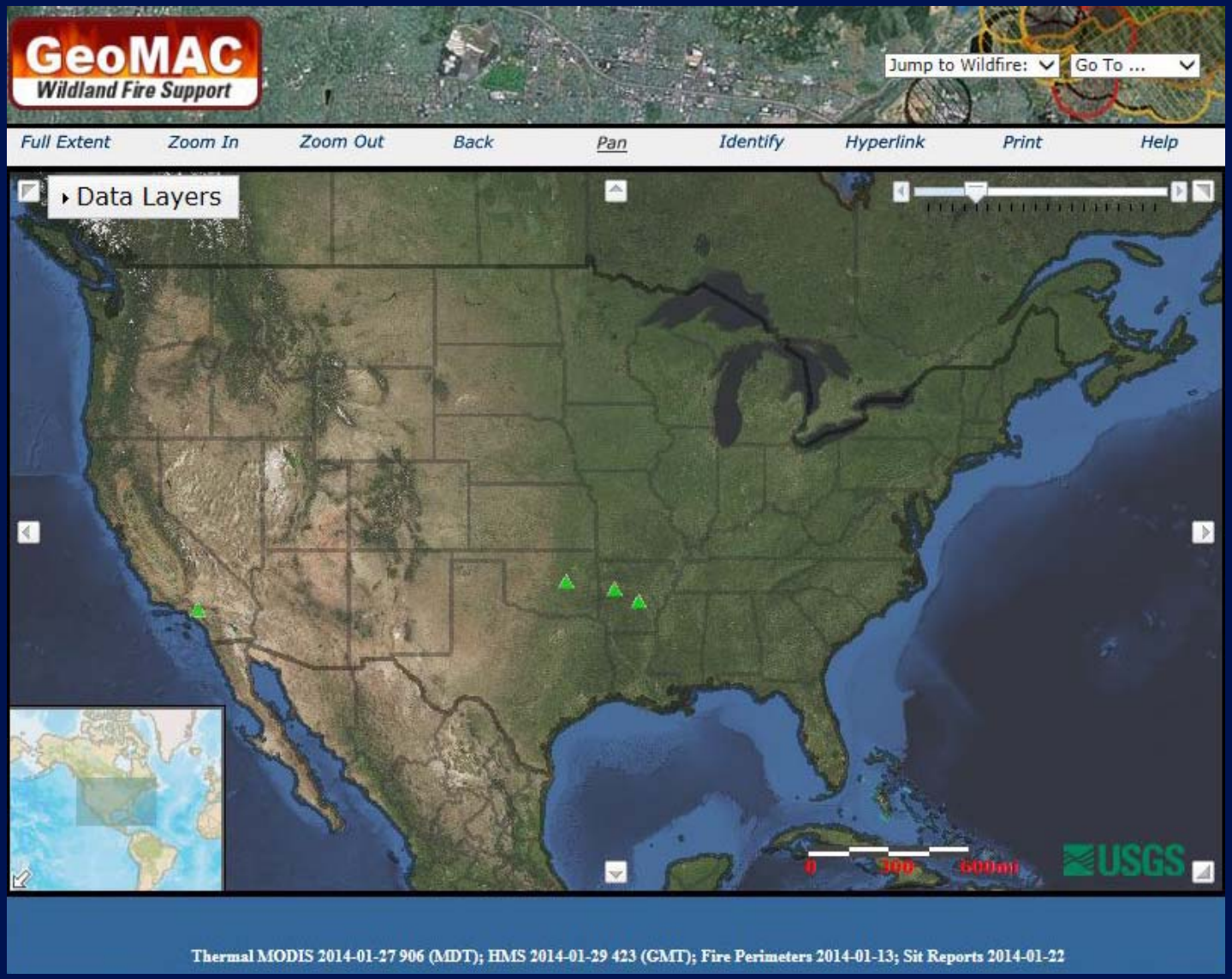


Incident GIS Support services FTP.NIFC.GOV

New Folders on FTP Site:

IMT – Each IMT now have their own folder
GACC – A folder for each GACC under ***Base_Info***
Forest Visitor Maps – Geo-referenced for mobile use
NPS – New folder for the Park Service
WFIT –Wildland Fire Information Technology

GEOMAC - *USGS*



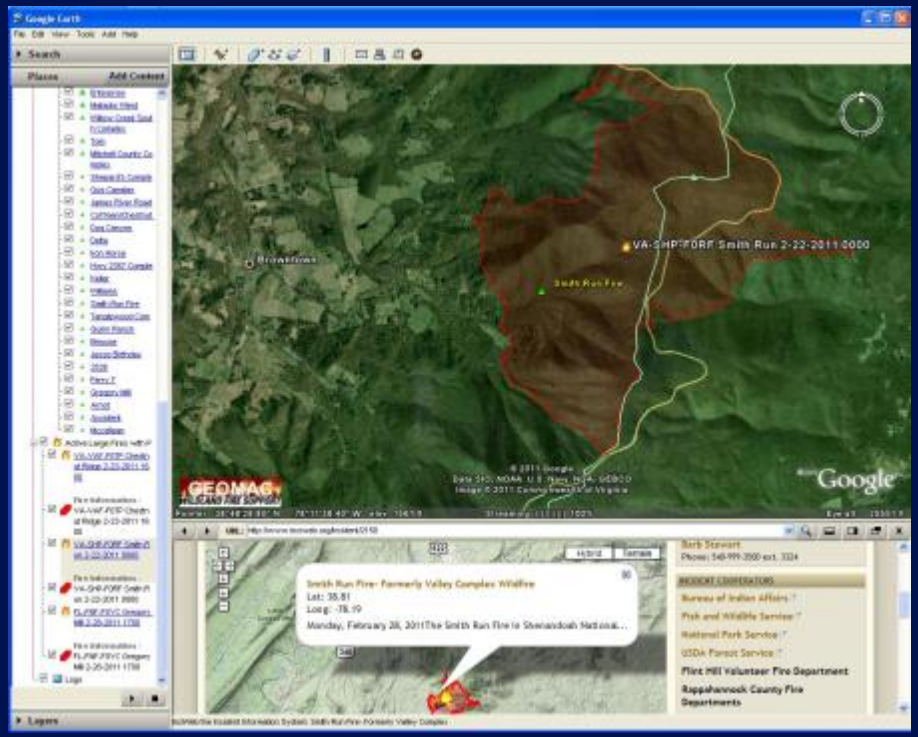
Comments, questions? geomac@usgs.gov

REST Services

http://wildfire.cr.usgs.gov/ArcGIS/rest/services/

Dynamic KML

Downloads



Rapid Data Delivery System - RDDS

- Web-enabled data viewer for the preview and downloading of raster data.
- Users can quickly specify area of interest (AOI) and then download the selected raster data directly to their desktop.

Incident Support Layers

- Active Earthquakes > 4 magnitude
- Active Volcanoes
- Active Wildfires
- Active Wildfire Perimeters
- Historic Fire Perimeters (2001-current)
- Thermal MODIS
- Remote Automated Weather Stations

Downloadable Raster Products

- Ortho Imagery
- Digital Raster Graphics (24k/100k topo)
- Shaded Relief
- Digital Elevation Models
- Terrestrial Ecosystems (U.S./Africa)

http://firedata.cr.usgs.gov

NATIONAL INFRARED OPERATIONS

HOME ABOUT REPORTS IMAGERY LINKS TRAINING IRIN AREA IR SCANNER ORDERS SOCAL WORKSHOP CLOSEOUTS

You are not authorized to access that location.

Username

Password

Login

Sign up for an account

How To Order IR.

How much is this IR flight going to cost?

What IR products will I receive?

NIROPS KML

National IR Program Manager
Tom Mellin
Office: 505-842-3845
Cell: 505-301-8167

http://nirops.fs.fed.us/

NIROPS 3833 S Development Ave. Boise, ID 83705

Webinar URL List:

NWCG Geospatial Subcommittee (GSC), http://gis.nwcg.gov
FIMT, http://gacc.nifc.gov/rmcc/fire_incident/index.html
FIMT training, http://training.nwcg.gov/courses/UsingFIMT/player.html
GPS training, http://gis.nwcg.gov/training_gps.html
GSTOP, http://gis.nwcg.gov/gstop_sop.html (2014 DRAFT, March)
Incident GIS Support services (NIFC FTP), ftp://ftp.nifc.gov
Inciweb, http://www.inciweb.org
NWCG Data Standards, http://www.nwcg.gov/pms/stds/standards/index.htm
Wildland Fire Decision Support System (WFDSS), http://wfdss.usgs.gov
GEOMAC, http://www.geomac.gov
GEOMAC REST Services, http://wildfire.cr.usgs.gov/ArcGIS/rest/services/
Rapid Data Delivery System – RDDS, http://firedata.cr.usgs.gov
S-341 Training (GISS), http://www.odf.state.or.us/gis/gtu/g2.html
National Infrared Operations, http://nirops.fs.fed.us/
My Fire Community, http://www.myfirecommunity.net

Questions received via
email and webinar chat

States GSC Representatives

- Jason Braunstein (VA)

jason.braunstein@dof.virginia.gov

- Curt Stripling (TX)

cstripling@tfs.tamu.edu

- John Watermolen

jwatermo@forestry.nv.gov

End of webinar

Be Safe

http://gis.nwcg.gov