

FGDC National Boundaries Group - Federal Lands Working Group (FLWG) Webinar Notes

March 11, 2020

Prepared by: Lisa Johnson and Julie Prior-Magee (USGS)

FLWG co-Chairs:

Lisa Johnson, USGS Cooperator - Boise State University, lisajohnson@boisestate.edu

Roger Johnson, National Park Service, Roger_M_Johnson@nps.gov

FLWG Meeting Objective: Share stories from the Esri Federal GIS Conference, hear news from the National Boundaries Group, the PAD-US Team, NPS success stories, and brief updates about base map projects.

DRAFT Agenda Outline

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|----------------------------------------------------|---|
| Welcome and brief announcements (5 min) | 4 |
| Stories from Esri Federal GIS Conference (10 mins) | 4 |
| National Boundaries Group news (15 mins) | 4 |
| Base map updates (10 mins) | 5 |
| PAD-US updates (5 mins) | 7 |
| NPS Challenges and Success Stories (15 mins) | 8 |
| Schedule next call (5 mins) | 8 |

Participants -

Summary: 54 attendees from 13 agencies

| First Name | Last Name | Organization |
|------------|-----------|---------------------------|
| Mackenzie | Case | Boise State University |
| Mason | Croft | Boise State University |
| Lisa | Johnson | Boise State University |
| Heston | Smith | Bureau of Indian Affairs |
| Leonard | Gore | Bureau of Land Management |

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|----------|------------|-------------------------------------------------|
| Joseph | JArquin | Bureau of Land Management |
| Frank | Lahm III | Bureau of Land Management |
| Dario | Lunardi | Bureau of Land Management |
| Ryan | Tietjen | Bureau of Land Management |
| Dominica | VanKoten | Bureau of Land Management |
| Dale | Vinton | Bureau of Land Management |
| Janet | Wilkins | Bureau of Land Management |
| Jerome | Jackson | Bureau of Reclamation |
| Steve | Jalbert | Bureau of Reclamation |
| Michele | Porter | Bureau of Reclamation |
| Barbara | Simpson | Bureau of Reclamation |
| David | LaBranche | Department of Defense |
| Judy | Wartella | Department of Interior / National Park Service |
| Sean | Breyer | Esri |
| Richard | Nauman | Esri |
| Nancy | Meyer | Fairview Industries |
| Larry | Orman | GreenInfo Network |
| Maianna | Voge | GreenInfo Network |
| Mimi | Diorio | National Oceanic and Atmospheric Administration |
| Kyle | Arndt | National Park Service |
| Sean | Carlton | National Park Service |
| Roger | Johnson | National Park Service |
| Meredith | Bridgers | U.S. Army Corps of Engineers |
| Paul | Dubois | U.S. Army Corps of Engineers |
| Ben | Silvernail | U.S. Army Corps of Engineers |

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|-----------|-------------------|-----------------------------------|
| Valerie | Beaudin | U.S. Census Bureau |
| Dierdre | Bevington-Attardi | U.S. Census Bureau |
| Karla | Kaywork | U.S. Census Bureau |
| Madeline | Sovich | U.S. Census Bureau |
| Nancy | von Meyer | U.S. Census Bureau |
| Tammy | Ratliff | U.S. Department of Transportation |
| Sean | Killen | U.S. Fish and Wildlife Service |
| Karen | Rank | U.S. Fish and Wildlife Service |
| Ron | Salz | U.S. Fish and Wildlife Service |
| Sara | Boyer | U.S. Geological Survey |
| Robert | Dollison | U.S. Geological Survey |
| Tracy | Fuller | U.S. Geological Survey |
| Elaine | Guidero | U.S. Geological Survey |
| Daniel J | Manier | U.S. Geological Survey |
| Greg | Matthews | U.S. Geological Survey |
| Chuck | Matthys | U.S. Geological Survey |
| Elizabeth | McCartney | U.S. Geological Survey |
| Robert | Pierce | U.S. Geological Survey |
| Julie | Prior-Magee | U.S. Geological Survey |
| Laurie | Temple | U.S. Geological Survey |
| Gita | Urban-Mathieux | U.S. Geological Survey |
| Jennifer | Walter | U.S. Geological Survey |
| Susan | Ruzicka | USDA Forest Service |
| Bradshaw | Dianne | Woolpert |

Welcome and brief announcements (5 min)

- New participants?
 - Dale Vinton for Dominica VanKoten (BLM)
- Announcements?
 - Are you receiving multiple FLWG meeting invites (from Lisa and zoom)? Most no issue.
 - Dierdre - Topic of International Boundaries will be discussed tomorrow w FGDC, may be integrated into Gov Units Theme w a co-lead added from State Department

Stories from Esri Federal GIS Conference (10 mins)

- *Feb 11-12th in DC*
- **USGS booth** (Bob)
 - Active and FLWG support much appreciated
 - Many questions and comments
- **National Boundaries Group meeting/FLWG update** (Bob, Roger, Ron)
 - Shared “What’s new in 2?” and PAD-US 2.1
 - Shared Federal Rec Maps - very popular! 300 maps distributed
 - Excited about PAD-US improvements
 - Folks asked about 2.1 timeline
 - Well attended but be mindful of lunch hour next time
 - International boundaries continue to be of interest
 - FGDC International boundaries theme requested

National Boundaries Group news (15 mins)

- **Exploring new directions** - Recreation amenities, state or other trails? (Bob)
 - Many questions during Esri GIS about relationship between PAD-US lands and other types of data
 - They ask, “Is there another database with recreational facilities, amenities, roads, or trails”?
 - Is another subgroup to aggregate this info needed?
 - Out of FLWG scope - offer our model if helpful but stick with lands data only
 - Don’t want to duplicate, merge efforts, be careful about authority

- Coordinate with Federal Lands Roads WG / USGS
NGP/Recreation.gov
 - **USGS NGP** has been aggregating some info from federal partners (NPS, FS, FWS, some BLM) (e.g. federal trails, campgrounds, ranger stations, visitor centers, trailheads)
 - Greg - focused on federal and states for many years but limitations on local gov side (no capacity for USGS to lead full national effort)
 - Need summary from USGS NGP re available support data
 - Need update from **Rec.gov** re status of their rec amenity aggregation efforts in RIDB.
 - Need summary of other available data types (that relate to PAD-US) with contacts for base map providers who are interested.
 - Are there other recreation related efforts that could expand on the work in progress?
 - Does this relate to questions from IG (GDA)
 - Send Bob questions/comments: rrpierce@usgs.gov
- **State Lands Working Group** (Julie, Mackenzie)
 - PAD-US Team attended NSGIC mid-year conference last week
 - PAD-US overview (2.0), how to use it, and what's coming (2.1)
 - Interested in 2.1 - esp local parks addition
 - Opportunity to connect with state partners but mostly State GIO's not necessarily data-stewards
 - Not much focus on boundary issues
 - PAD-US Team not focused on state updates now but continue to invest in State Data Steward Network to support future PAD-US updates

Base map updates (10 mins)

Review FLWG Base Map Project Objectives:

- **Improve** the representation of federal lands in base maps - start with USFWS, NPS, USFS lands
- **Maintain** - Use PAD-US to pilot efficient protocols to maintain annual updates (or quarterly - direct from agencies)
- **Support** - Make it easy for base map developers to maintain good federal data (leverage expertise available through FLWG and the common

PAD-US framework (i.e. host webinars, share lessons learned, update guidance).

Direct FLWG outreach to base map providers

Active

- **GDA Work** - Question 9 IG : bring in base map guidance for public outreach section?
 - Roger and Ron support this
 - Julie thinks there may be other products to share as well
- Google
 - 3/9/2020: Webinar with NPS, FWS, USFS data-stewards, Google, and the PAD-US Team.
 - Missing FWS and USFS areas being added to Gmap now
 - Slow, manual editing (complete replace not possible now)
 - Google interested in understanding long-term
 - Still need clarity re rendering (Proc, fee, easement)
 - Interested in visitor centers and other POI - helped them but important to stay focused on lands.
 - The PAD-US Team is hosting monthly webinars (beginning 2/2019) with agency data-stewards (Ron, Roger, and Troy) and Google to develop protocols to add missing parks to Google Maps and maintain federal lands data - challenging process.
 - 5/2019: USGS delivered NPS, FWS, USFS data from PAD-US 2.0 to inform pilot
 - 2/2019 Pilot project began (Larry found contact)
- HERE.com
 - 3/11/2020: 1st group webinar
 - 2/2020: Tod Dabolt suggested PAD-US and connected Ron Salz
 - HERE is interested in federal lands, roads, trails, + other features such as hydro, elevation, and land use.
 - HERE was NAVTEQ previously and supports most navigation systems in the U.S.

Projects on pause - interested in Google or other pilot results

- Esri vector base map:
 - 12/2019: Sean will provide contacts (base map manager, community maps, Rich for services) for PAD-US Team to overview boundary types for base maps, customized updates.
 - Esri is using base maps guidance now to obtain data directly from agencies
 - 11/2019: PAD-US Team meet w Sean Breyer re: 1) FLWG base map project status, 2) USGS commitment to maintain annual federal updates, 3) hear updates re Esri's base map product.
- USGS National Geospatial Program (US Topo):
 - Interested in lessons learned from Google Pilot and other efforts
 - Annual PAD-US update needed (1/3 nation updated annually)
 - May be interested in select quarterly agency updates using base map guidance doc
- Apple:
 - 10/2019: No response to request for update
 - 9/2019: Brittany Prazak asked several questions (PAD-US team responded) and will coordinate Apple contacts to share availability.
 - 9/2019: Ron made initial contact, Lisa followed w offer to host webinar.

PAD-US updates (5 mins)

- **WDPA 2.0** provisional update completed
 - The United Nations Environmental Program World Conservation Monitoring Centre (UNEP-WCMC) tracks global progress toward biodiversity protection targets (Aichi Target 11) enacted by the Convention for Biological Diversity (CBD) through the **World Database on Protected Areas (WDPA)** and World Database on Other effective area-based conservation measures (OECM) available at: protectedplanet.net.
 - **Aichi Target 11 dashboard** (<https://www.protectedplanet.net/target-11-dashboard>) for official protection statistics recognized globally and developed for the CBD, or here for more information and statistics on the

USA's protected areas:

<https://www.protectedplanet.net/country/US>.

- o Scheduled for delivery this spring to facilitate UNEP-WCMC analyses for ProtectedPlanet 2020 Report
- o Report released at 15th meeting of the Conference of the Parties (COP-15) to review achievements of the CBD Strategic Plan for Biodiversity 2011-2020.
- o WDPA 2.0 is a derivative product of PAD-US 2.0 Combined Marine, Fee, Designation, and Easement file (reviewed by FLWG)
- o Includes GAP 1&2 areas only (managed primarily for biodiversity protection)
- o Translated into WDPA schema with WDPA Site ID
- o Planning FLWG meeting on WDPA post 2.1
 - OECMs (with WCMC) - GAP 3 multiple use lands?
 - WDPA Site ID (integrate in source data)
 - Major schema differences between WDPA/PAD-US

Schedule next call (5 mins)

- **Wed, May 20th (3-4 ET)**
 - o PAD-US 2.1 status
 - o Available recreation data?
 - o NPS challenges and success stories (re lands data development and translation for PAD-US)?
- **Skip April - PAD-US 2.1 Federal Lands data review**
 - o Move full FLWG to bimonthly, with smaller project team meetings in between as needed (e.g. PAD-US 2.1 production, base map outreach)? Yes, for now.

Future webinars

- o PAD-US viewer demos?
- o Recreation.gov/RIDB updates

- o Agency news? (Overview and updates assoc with lands data systems or applications - 20 mins)
- o Federal Topology (Boundary Overlaps) Project Updates (15 mins)

- o Location and priority topics for next FLWG Face-to-Face meeting
- o Persistent Identifiers (UID)

- o Update from FGDC - How does Geospatial Data Act relate to FLWG?
- o Relationship between Cadastral Subcommittee and the FLWG (Cadastral Subcommittee restart Sept 23rd)
- o Relationships between State and Federal data (ex: overlaps with state/federal data) - potential to better coordinate