Bureau of Indian Affairs (BIA) and Federal-Wide Support for Tribal Resilience and Cultural Resources Preservation

Presented by: Margaret T. Herzog, PE, PMP, PhD

Margaret.Herzog@bia.gov, 720-484-3353

BIA Tribal Resilience Program (TRP)

(just Google: "BIA Resilience")

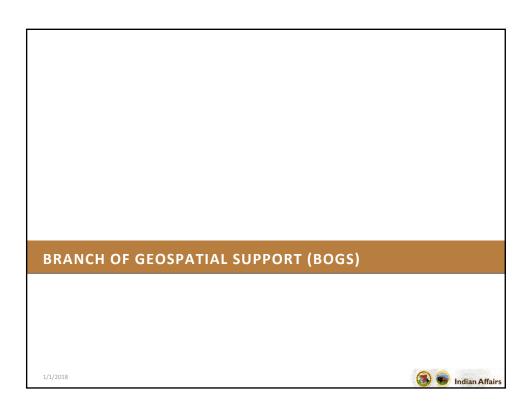
https://www.bia.gov/bia/ots/tribal-resilience-program



Topics Addressed

- BIA Branch of Geospatial Support (BOGS)
- BIA Tribal Resilience Funding and Tools
- Tribal Nations Community of Practice in Geoplatform.gov
- Opportunities to Review / Contribute to the National Climate Assessment
- Indian Lands Comprehensive AIAN-LARs / TAAMS Update for Census 2020







BRANCH OF GEOSPATIAL SUPPORT

SOFTWARE ELA AND HELP DESK SOFTWARE SUPPORT

BOGS ENTERPRISE LICENSING AGREEMENT (ELA) LISTINGS AT https://www.bia.gov/gis Contact help desk: Geospatial@bia.gov, 877-293-9494

ArcGIS Desktop w ArcGIS Pro – multiple layouts, faster, 3D

ArcGIS Server

ArcGIS Portal – private AGOL on your own server

ArcGIS for Windows Mobile

Digital Globe - high quality imagery for federal users

ESRI e-learning self-paced online courses

Individual ArcOnline account

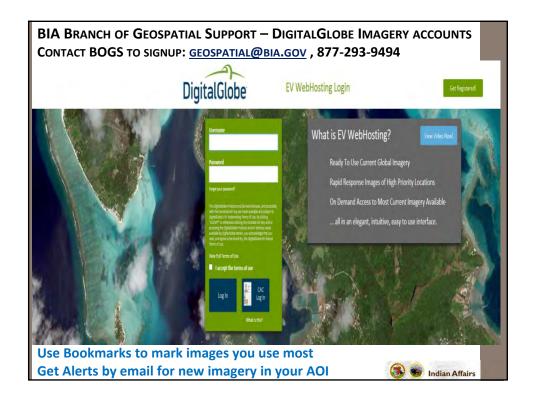
For Other ESRI Products -

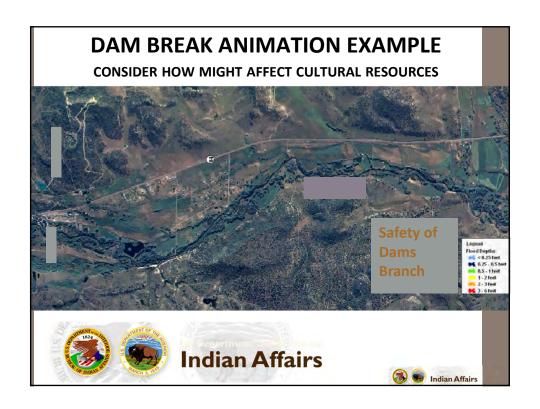
Rod Schardein, US DOI-BIA Sales Representative rschardein@esri.com or 800.447.9778, ext. 1-1664
AGOL organizational account, Drone2Map, ArcPad, etc.
(TribalGIS.com also has organizational AGOL account for members)

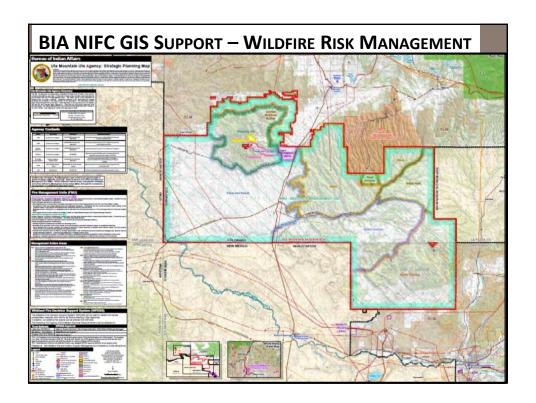
Branch of GeoSpatial Support (BOGS)

GIS COURSES AND TRAINING ON ARCMAP, RS, CARTOGRAPHY AND ARCPAD: MOBILE DATA COLLECTION AND FIELD APP — LICENSE THROUGH ESRI NOT BOGS ELA

| Beg. | Seminole Tribe of Florida Hollywood, FL | Eastern Region | Principles of GIS | Jan 8-11, 2018 |
|------|---|----------------|------------------------------|--------------------|
| Beg. | Twenty-Nine Palms Band of Mission Indian Coachella, CA | | Principles of GIS | Jan 16-19, 2018 |
| Beg. | Viejas Band Of Kumeyaay Indians Alpine, CA | Pacific Region | Principles of GIS | Jan 22-25, 2018 |
| Beg. | akewood Training Facility akewood, CO | | Principles of GIS | Jan 22-25, 2018 |
| Beg. | Lakewood Training Facility Lakewood, CO | | Principles of GIS | Jan 29-Feb 1, 2018 |
| Int. | Lakewood Training Facility Lakewood, CO | | Introduction to Cartography* | Feb 5-8, 2018 |
| Beg. | BIA Eastern Region Washington, DC Eastern Region | | Introduction to GPS | Feb 12-13, 2018 |
| Beg. | Lakewood Training Facility Lakewood, CO | | Introduction to GPS | Feb 27-28, 2018 |
| Beg. | Owens Valley Indian Water Commission Bishop, CA | Pacific Region | Principles of GIS | Mar 5-8, 2018 |
| Beg. | Owens Valley Indian Water Commission Bishop, CA | Pacific Region | Introduction to GPS | Mar 12-13, 2018 |
| Int. | Seminole Tribe of Florida Hollywood, FL | Eastern Region | Introduction to Cartography* | Mar 26-29, 2018 |







TRIBAL UAS USERS GROUP

Tribal Interest Group for UAS discussed:

- Current Tribal UAS operations and support functions for those present
- Opportunities to share best practices and lessons learned in this domain
- Areas of interest from the Tribal communities and possible common missions
- STEM opportunities and paths forward

To Join: Contact John "JC" Coffey

Executive Director, Unmanned Systems, Cherokee Nation Technologies john.j.coffey@noaa.gov, O: 301-734-1104, C: 904-923-1709

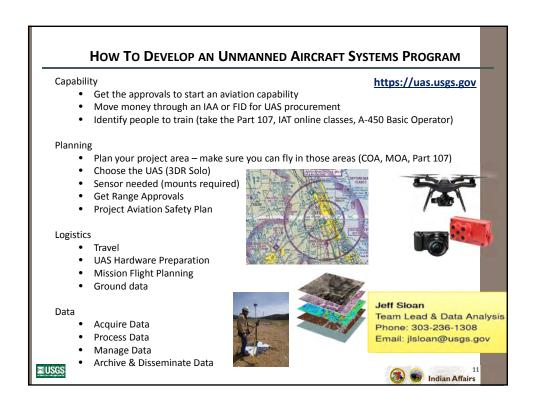
- http://cherokee-cnt.com/productsservices/Pages/Unmanned-Aircraft-Systems.aspx
- https://geography.wr.usgs.gov/InnovationCenter/UASworkshop.html

Interested in Setting up a BIA or Tribal UAS program? Contact "Dave" Underwood:

ewing.underwood@bia.gov, (505) 563-3103

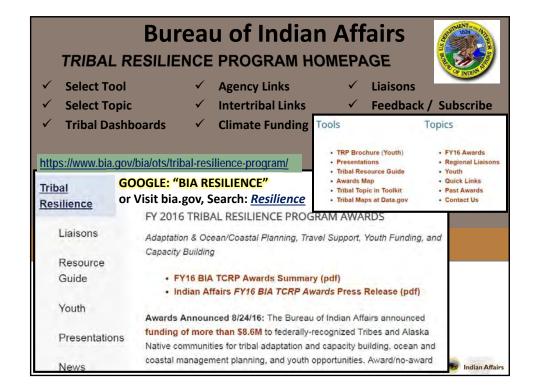
https://www.bia.gov/nifc/aviation/index.htm













FY17/FY18 RESILIENCE FUNDING

(GOOGLE: "BIA RESILIENCE" OR VISIT BIA.GOV, SEARCH: "RESILIENCE")

Join Resilience News (signup today!)

for anticipated, upcoming resilience funding alert

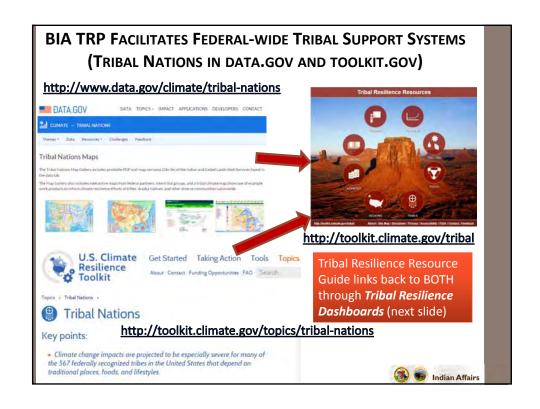
Attend the orientation workshop

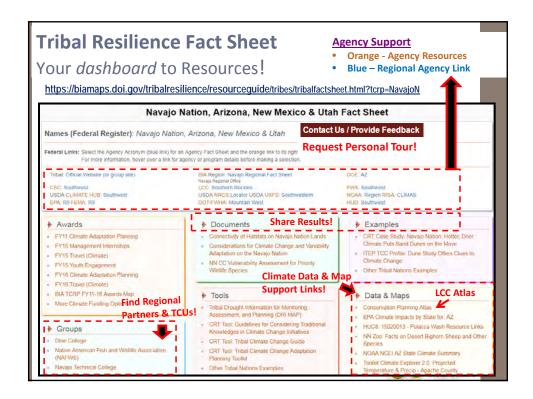
- Cat 1 Regional Training & Workshops
- Cat 2 Adaptation Planning / Vulnerability Assessment
- Cat 3 Travel Support for Resilience and Adaptation Training
- Cat 4 Oceans and Coastal
- Cat 5 Travel Support to Participate in Regional Planning Bodies (Coasts)
- Cat 6 Capacity Building (PT support to gather community input to better enable the Tribe / Group to develop a Cat 2 adaptation proposal in the future)

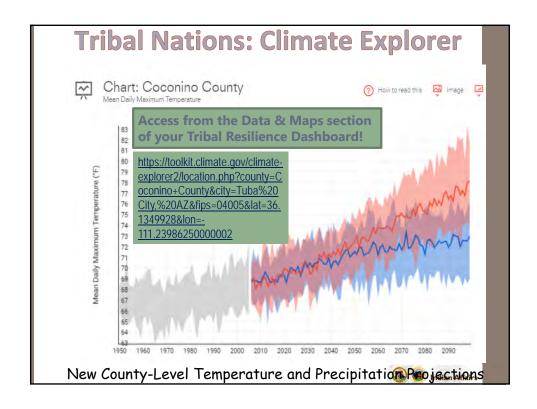
Sponsored by BIA Tribal Resilience Program:

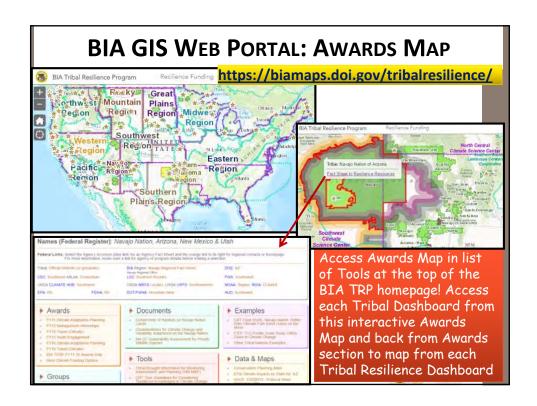
https://www.bia.gov/bia/ots/tribal-resilience-program/

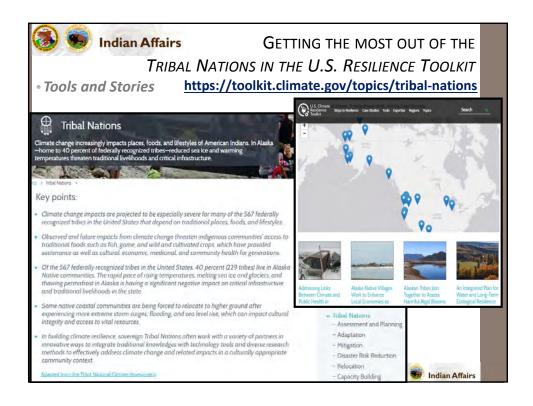


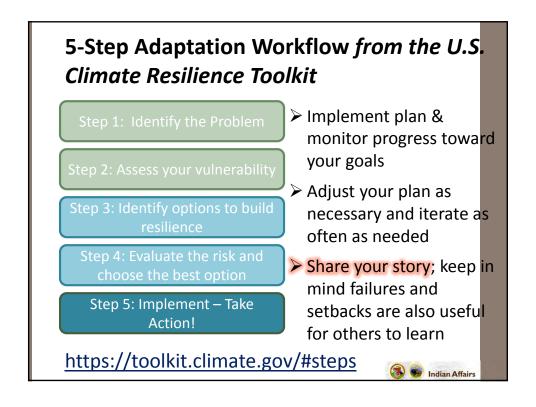


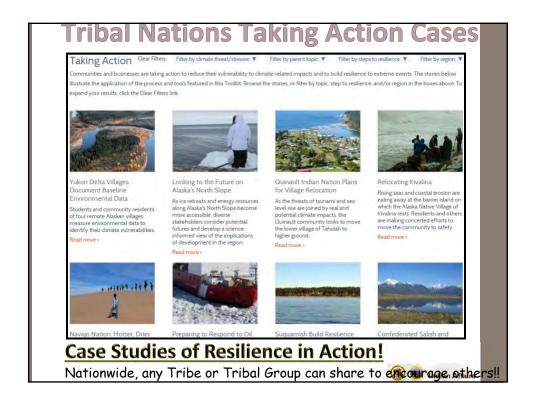


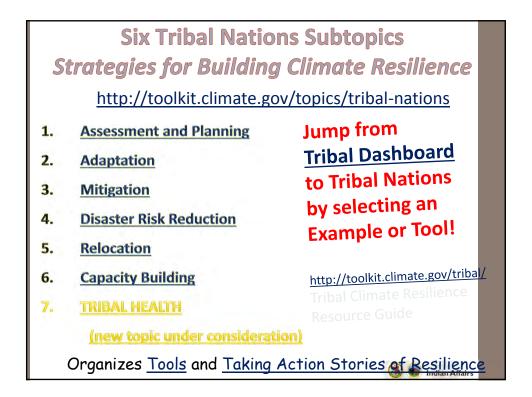


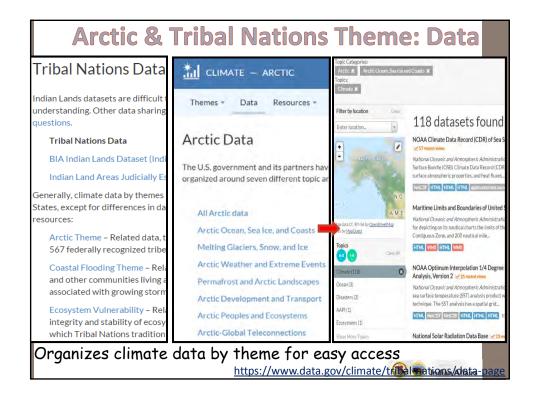


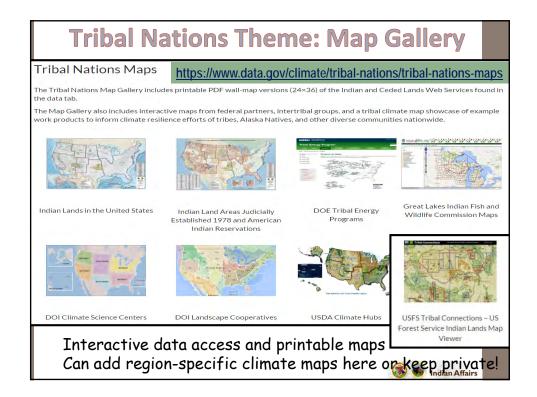








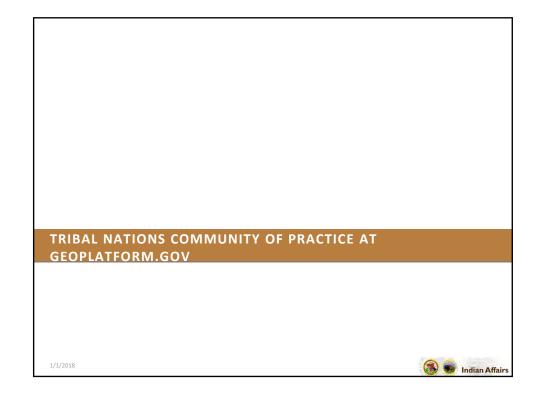




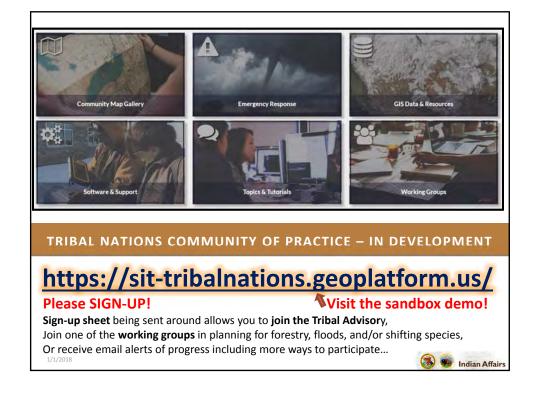
BIA TRP RESILIENCE GIS SERVICES: DATA, MAPS, & ANALYSIS

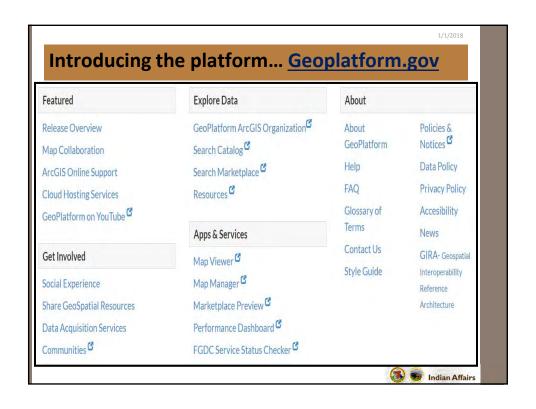
- ✓ Sign-up Today! or use feedback form or email me @ Margaret.Herzog@bia.gov
- ✓ Maps to support funding or resilience efforts
- ✓ Help you Leverage you Tribal Dashboard to obtain federal-wide support
- ✓ Integrate into resilient solution
- ✓ Use to support others with same issue

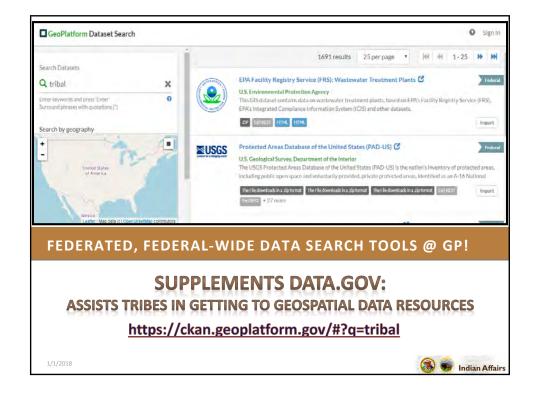












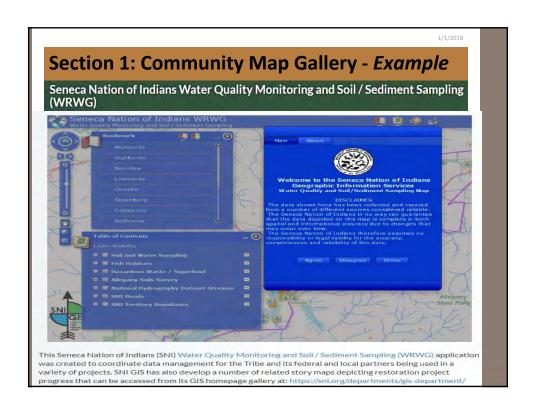




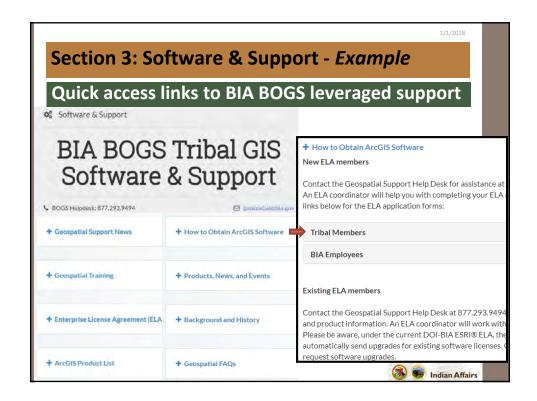
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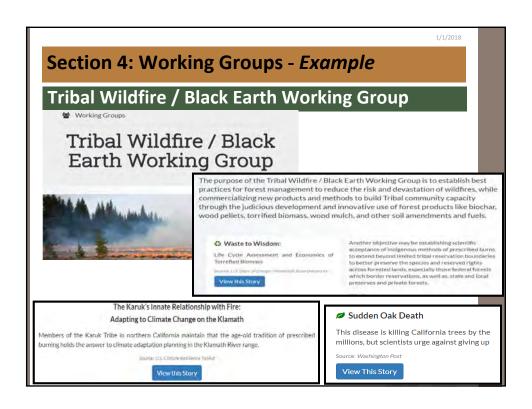
TN@GP Sandbox - Main sections built-out so far...

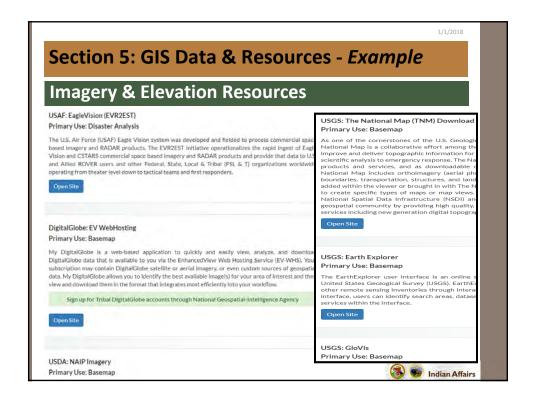
- Community Map Gallery
 - ✓ Examples from Tribes, Agencies, BOGS, & Intertribal Groups
- Emergency Response
 - ✓ Nationwide real-time natural disasters and regional support
- Software & Support
 - ✓ Quick access to BIA BOGS help desk support, training, & tools
- Working Groups
 - ✓ Collaborative tools for floods, forests, & shifting species
- GIS Data & Resources
 - ✓ BOGS, Tribal Resilience, Imagery, Base mapping for Tribes
- Topics & Tutorials
 - ✓ Topical support, ArcPy webinars, ESRI online training links



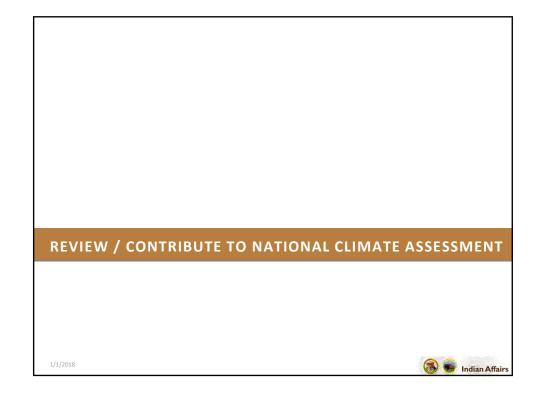












BIA TRP Sponsored, Sustained NCA Resource NCA Indigenous Peoples Action Map

Since the full applications is not available yet, it is shown in the following slides for comment

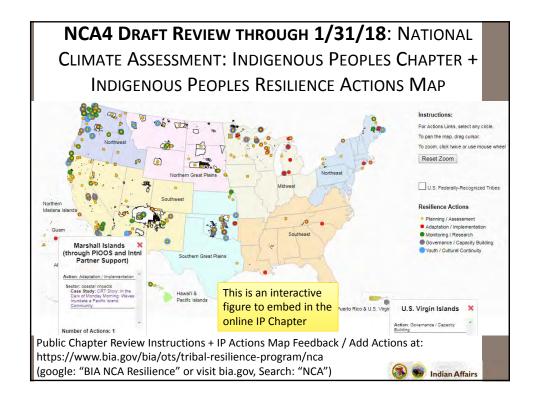
Please also correct or add to the list of Actions by Tribe or Group, including Indigenous Peoples

There is also an online feedback form, to enter you comments or new actions electronically at: https://www.bia.gov/bia/ots/tribal-resilience-program/nca

Just google: "BIA NCA Resilience"

or visit bia.gov, then search box: "NCA"



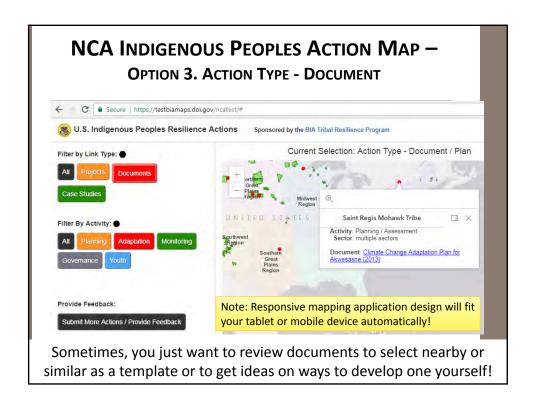


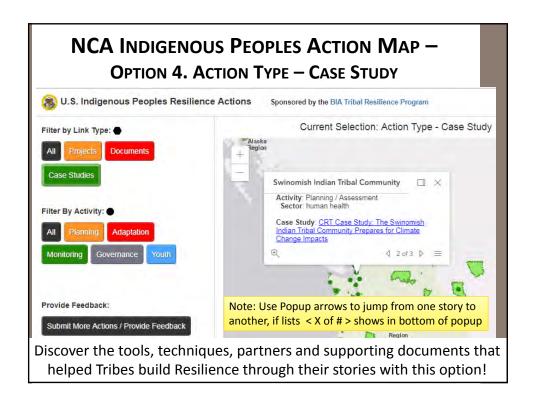


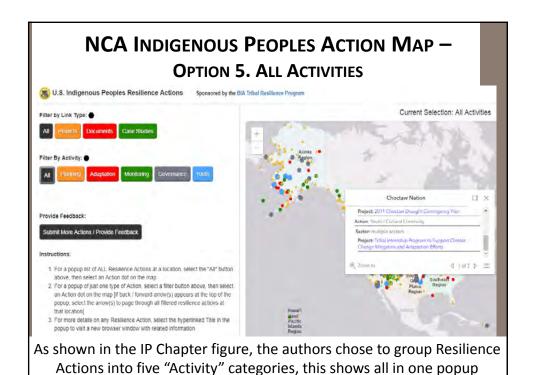
The default (first option) shows all resilience actions in a single popup. If you are not zoomed out enough, the popup will indicate that more than one tribe or group is in the vicinity to better select one of interest. For Feedback (large black button at the bottom) jumps to the NCA Public Review page feedback noted prior slide to comment/add actions.

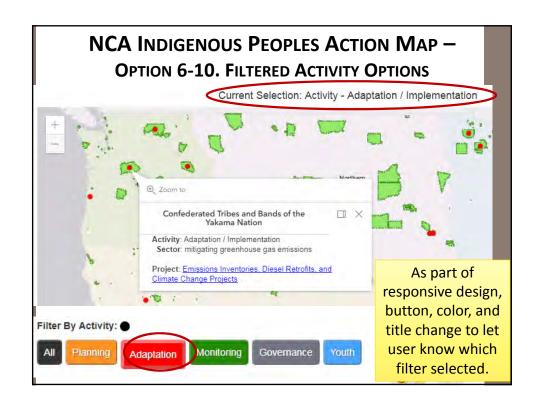


one at a time at a given location. Zoom in option on popup helps select.

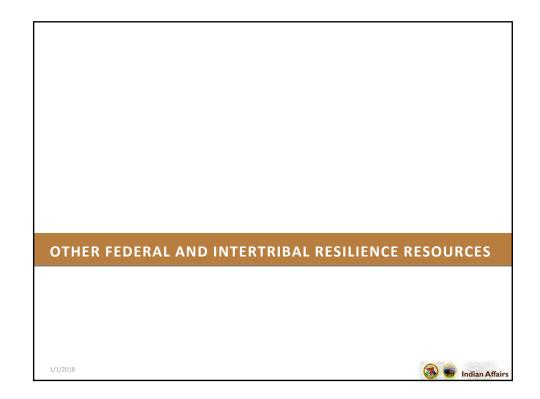




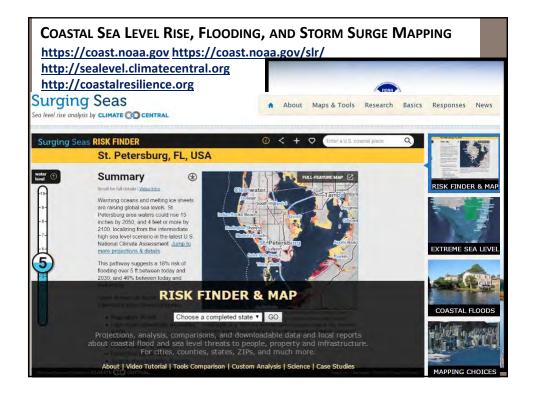


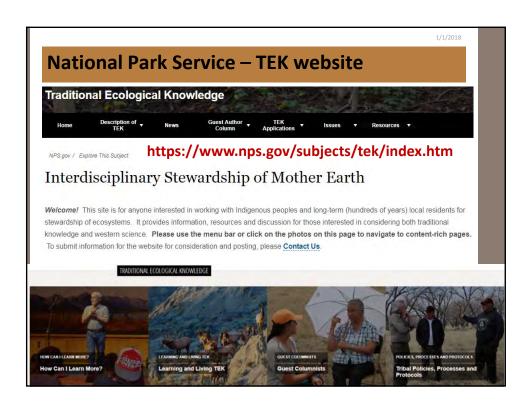


| | A NEW ACTION OR FE ov/bia/ots/tribal-resilienc | |
|--|---|---|
| New IP Action - Title New IP Action - URL | To reach form, ju "BIA NCA Resilied Cluded without a reference URL to validation | ust google: nce" |
| Project | tion project, plan, or case study? n or Vulnerability Assessment, etc.) | Only need to list your contact to help with questions or if you need a direct response / confirmation |











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Other NPS Resilience Resources

- 2014 Preserving Coastal Heritage workshop report <u>http://www.achp.gov/docs/preserve-coastal-heritage.pdf</u>
- NPS framework approach for cultural resources and climate change http://www.georgewright.org/321rockman.pdf
- EcoAdapt webinar on TEK and climate change http://www.cakex.org/community/events/national-adaptation-forum-webinar-series-importance-traditional-ecological
- NPS climate change videos (example: Jamestown)
 https://www.youtube.com/user/NPSClimateChange
- NPS ArchaeoThursdays webinars
 https://www.nps.gov/archeology/tools/webinars.htm



