

The Bureau of Indian Affairs Geospatial Resources and Products



Martin Weiser
Regional Geospatial Coordinator
Alaska Region, Bureau of Indian Affairs
Department of Interior



*Indian Lands of Federally Recognized Tribes
of the United States*

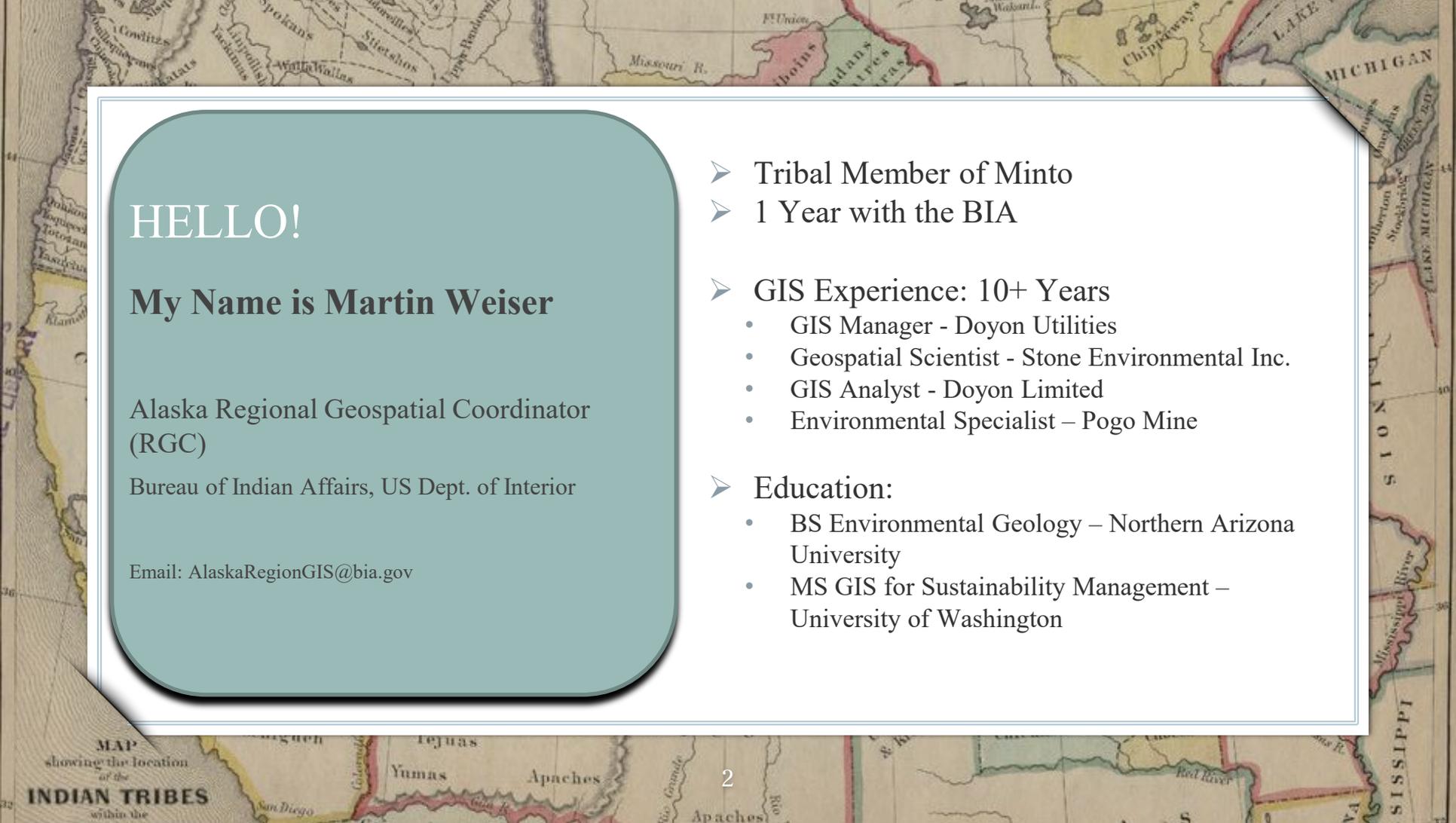
Legend
• Federally Recognized Tribal Lands
• Alaska Native Village
• Public Domain Allotment
• BIA
• American Indian Reservation
• Unincorporated Indian Reservation
• Trust or Restricted Area
• Land
• Water



BUREAU OF INDIAN AFFAIRS
DEPARTMENT OF THE INTERIOR
OFFICE OF TRUST SERVICES
JULY 2017

Legend

- Federally Recognized Tribal Lands
- Alaska Native Village
- Public Domain Allotment
- BIA
- American Indian Reservation
- Unincorporated Indian Reservation
- Trust or Restricted Area
- Land
- Water



HELLO!

My Name is Martin Weiser

Alaska Regional Geospatial Coordinator
(RGC)

Bureau of Indian Affairs, US Dept. of Interior

Email: AlaskaRegionGIS@bia.gov

- Tribal Member of Minto
- 1 Year with the BIA

- GIS Experience: 10+ Years
 - GIS Manager - Doyon Utilities
 - Geospatial Scientist - Stone Environmental Inc.
 - GIS Analyst - Doyon Limited
 - Environmental Specialist – Pogo Mine

- Education:
 - BS Environmental Geology – Northern Arizona University
 - MS GIS for Sustainability Management – University of Washington

Overview



- A brief overview of the BIA's Division of Resource Integration Services (DRIS)
- A brief overview of the BIA's Branch of Geospatial Support (BOGS) and software and training available to Federally Recognized Tribes
- Regional Geospatial Coordinators – who are we and what are our responsibilities
- How do RGCs support Tribal geospatial needs?

Division of Resource Intergration Services (DRIS)



*Indian Lands of Federally Recognized Tribes
of the United States*

Legend	
●	Federally Recognized Tribal Lands
●	Historic Indian Village
●	Public Domain Allotment
●	Site
●	Abandoned Indian Reservation
●	Unsettled Tribal Allotment Area
●	Trust or Restricted Fee
●	Land
●	Water



BUREAU OF INDIAN AFFAIRS
DEPARTMENT OF THE INTERIOR
OFFICE OF TRUST SERVICES
JULY 2017

Legend

- Federally Recognized Tribal Lands
- Historic Indian Village
- Public Domain Allotment
- Site
- Abandoned Indian Reservation
- Unsettled Tribal Allotment Area
- Trust or Restricted Fee
- Land
- Water

Division of Resource Integration Services - DRIS



- **Resource Integration** is the acquisition of internal and external resources to ensure operational functionality. It is crucial to an organization's effectiveness and resiliency.
- **DRIS Mission:** To enhance the use of geospatial information and data resources throughout the Bureau of Indian Affairs by modernizing data resources, communication, improving workflows, and fostering collaboration between programs.



Branch of Geospatial Support (BOGS)



*Indian Lands of Federally Recognized Tribes
of the United States*

Legend
• Federally Recognized Tribe Lands
• Historic Indian Village
• Public Domain Allotment
• BIA
• American Indian Reservation
• Offshore Trust Allotment Area
• Trust or Restricted Fee
• Land
• Water



BUREAU OF INDIAN AFFAIRS
DEPARTMENT OF THE INTERIOR
OFFICE OF TRUST SERVICES
JULY 2017

Legend
• Federally Recognized Tribe Lands
• Historic Indian Village
• Public Domain Allotment
• BIA
• American Indian Reservation
• Offshore Trust Allotment Area
• Trust or Restricted Fee
• Land
• Water

“

The mission of the Branch of Geospatial Support is to assist Tribal governments and Indian Affairs to manage the cultural and natural resources of Indian Country by providing Geographic Information Systems software, training and technical support.

Geospatial Software



- BOGS offers Geospatial Software and support to federally recognized tribes under public law 93-638
- Provides software, training and technical support through Department of the Interior's ELA for GIS applications including:
 - ➔ ArcGIS core software and limited extensions
 - ➔ ArcGIS Pro and ArcGIS Enterprise
 - ➔ Select ESRI e-Learning courses and workshops
 - ➔ Paid maintenance for existing products
 - ➔ Discounts on purchase of other ESRI software products
 - ➔ Avenza Maps™ Pro
 - ➔ Maxar Technologies (formerly DigitalGlobe)

Geospatial ESRI Training

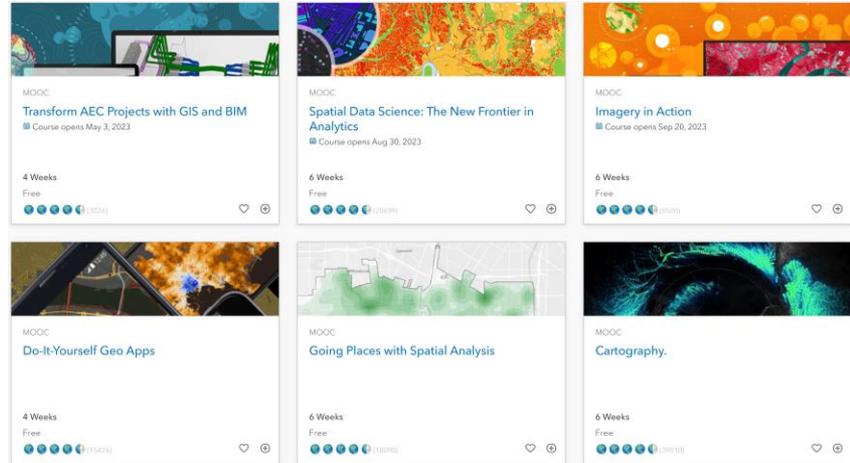


- Provides no cost GIS training for eligible Tribal members, including:
 - ➔ Instructor Led Courses
 - ➔ Online ESRI e-learning
- Our training programs teach Tribal governments and Indian Affairs how to use GIS software to enhance their land management programs such as:
 - ➔ Irrigation flood plain analysis
 - ➔ Forest harvesting
 - ➔ Wildland fire analysis
 - ➔ Oil and gas management
 - ➔ As well as other analyses

Training: ESRI MOOC



- ESRI's Massive Open Online Courses (MOOC) Program
 - ➔ 4-6 weeks long and self-paced
 - ➔ earn a certificate of completion



Training: Geospatial Training Services



- Courses offered through Geospatial Training Services
 - ➔ On demand training classes

ArcGIS Pro Short Series

Course Title
Creating Charts and Graphs
Creating Custom Pop-Ups
Creating Map Books using Map Series
Designing and Building Layouts
Integration with ArcGIS Online
Labeling Features
Working with Symbology
Working with Tables
Working with Temporal Data

General Geospatial Training

Course Title
Building ArcGIS Applications with Web AppBuilder
Building Sites with ArcGIS Hub
Configure Apps with Survey123 and Survey123 Connect
Creating Real Time Google Earth Applications
Creating Web Maps in ArcGIS Online
Data Analysis with ArcGIS Pro 3 and Python
Editing in ArcGIS Pro
Exploring and Visualizing Census Data with R
Field Maps for Mobile Data Collection
Fundamentals of Google Earth Pro
Geoprocessing Automation in ArcGIS Pro with Tasks
Getting Started with ArcGIS Arcade
Mastering ArcGIS Pro 3.x – Maps, Layers, Projects, and Layouts
Intermediate ArcGIS Online
Mastering ArcGIS Pro 3.x – Editing, Analysis, and Automation
Intermediate ArcGIS Pro Programming with Python (Pro 2.x)
Introduction to Python
Introduction to R for Data Exploration and Visualization
Introduction to Experience Builder

General Geospatial Training

Course Title
Introduction to ModelBuilder for ArcGIS Pro
Introduction to Spatial Analysis using ArcGIS Pro and R
Introduction to ArcGIS Online
Introduction to Programming ArcGIS Pro with Python (Pro 2.x)
Introduction to Programming ArcGIS Pro 3 with Python
Learning ArcGIS Pro 1: Maps and Projects (Pro 2.x)
Learning ArcGIS Pro 2: Editing, Analysis, and Automation (Pro 2.x)
Learning ArcGIS Pro 3: Converting, Linking, and Analyzing Data (Pro 2.x)
Learning ArcGIS Pro 4: Sharing Your Maps and Data (Pro 2.x)
Mastering KML for Google Earth
Telling Your Story with Story Maps(Classic and Modern Mixed)
Telling Your Story with Story Maps – Modern Short Course



BRANCH OF GEOSPATIAL SUPPORT

Services We Provide

[Branch of Geospatial Support | Indian Affairs \(bia.gov\)](#)

Help desk: geospatial@bia.gov 877-293-9494

Geospatial Software

Geospatial Training

Geospatial Technical
Assistance

More Resources

Web Maps, Static
Maps, and
Downloadable Data

History of the
Branch of Geospatial
Support



BRANCH OF GEOSPATIAL SUPPORT AND THE RGCs

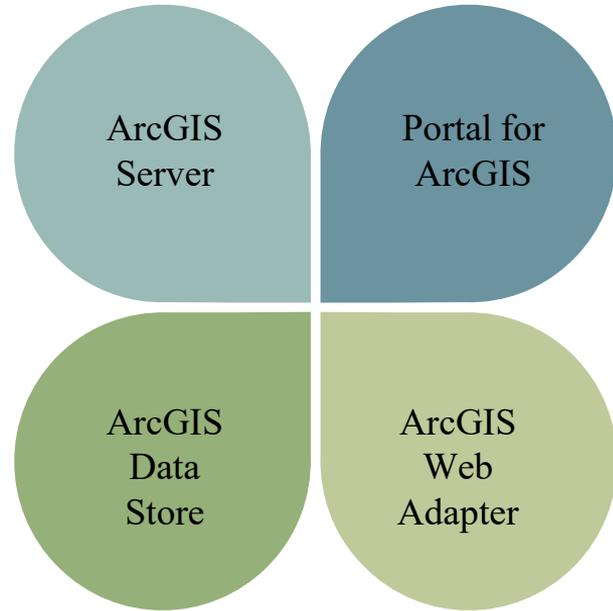
- BOGS works side by side with the 12 Regional Coordinators and supports their geospatial needs as they work with the Agencies and Tribes.
- BOGS involves the RGCs in mapping projects and data calls that are specific to their region's needs.
- DRIS/BOGS assists in providing funding and training to the RGCs, so they can utilize their GIS skills to assist Tribes in the best way possible.



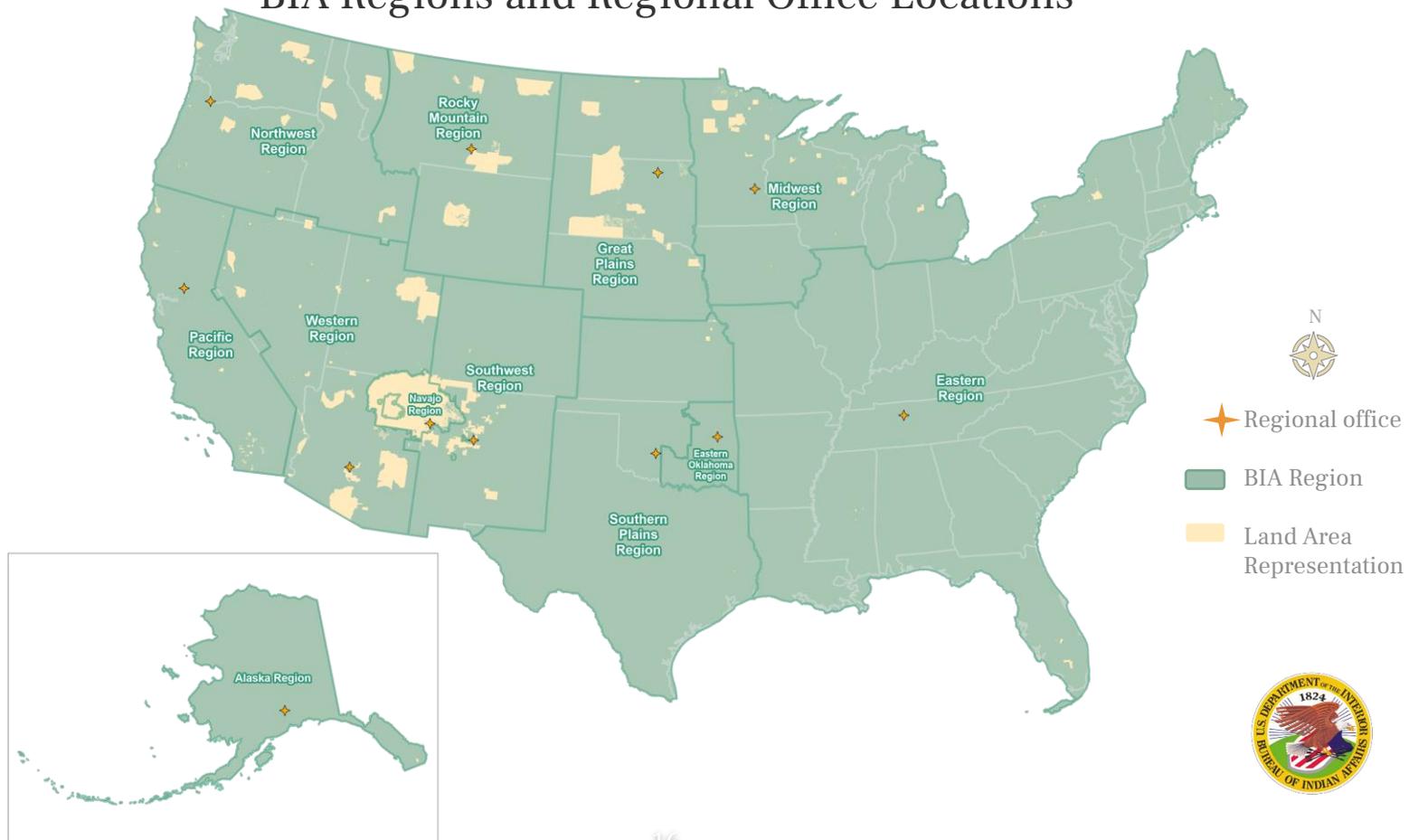
ArcGIS Enterprise



- ArcGIS Enterprise - ArcGIS Server, Portal for ArcGIS, ArcGIS Data Store and ArcGIS Web Adapter
- [BOGS ELA Product list](#)
- Apply for ArcGIS Enterprise licenses
- Portal creator licenses are available to Tribes. Please contact BOGS at geospatial@bia.gov to request creator licenses.



BIA Regions and Regional Office Locations



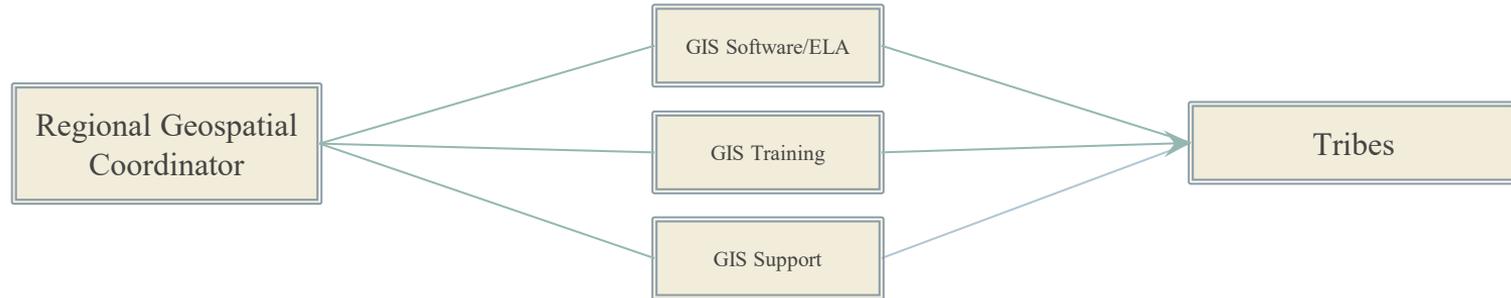
REGIONAL GEOSPATIAL COORDINATORS



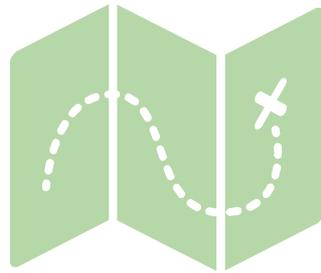
Goal: Provide regional level
GIS support to Tribes and
BIA Staff



REGIONAL GEOSPATIAL COORDINATOR



MAP showing the location of the INDIAN TRIBES within the



Thanks!

What questions do you have?

You can find me at AlaskaRegionGIS@BIA.gov

8	Eskimoan	18	Shoshone	28	Zuni
9	Iroquoian (see text)	19	Tamalipecan	29	Small linguistic groups of California and Oregon
10	Karankawan	20	Timucuan		

