

AMERICAN INDIAN RESERVATION AND TRUST LANDS BOUNDARY MAINTENANCE

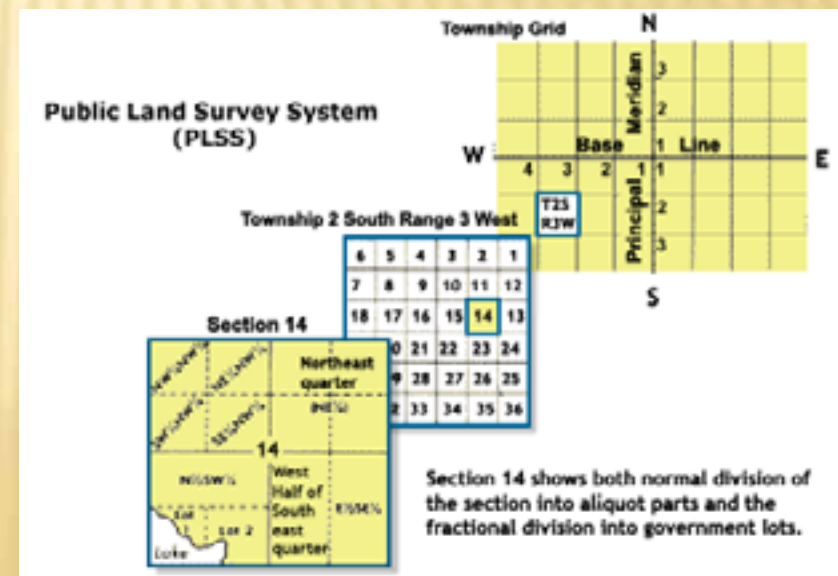
By Jeffrey Metius, CTT+
(Valdez international Corp - BIA
Contractor)

&

Bradford Tatham, CTT+, GISP
(MBS - BIA Contractor)

GRIDDED LAND SYSTEM

- Created by the US
 - É Public Land Survey System (PLSS)
 - Ð Land Ordinance of 1785
 - × Proposed by Thomas Jefferson
 - Ð Adopted by the rest of the World
 - É US is falling behind
- Resource Management
 - É Ownership



American Indian Area (AIA) layer

⌘ Federal Indian Reservation

- × Lands reserved for a tribe or tribes under treaty or other agreement as permanent tribal homelands
- × Federal government holds the title to the land in trust on behalf of the tribe

⌘ Allotted Lands

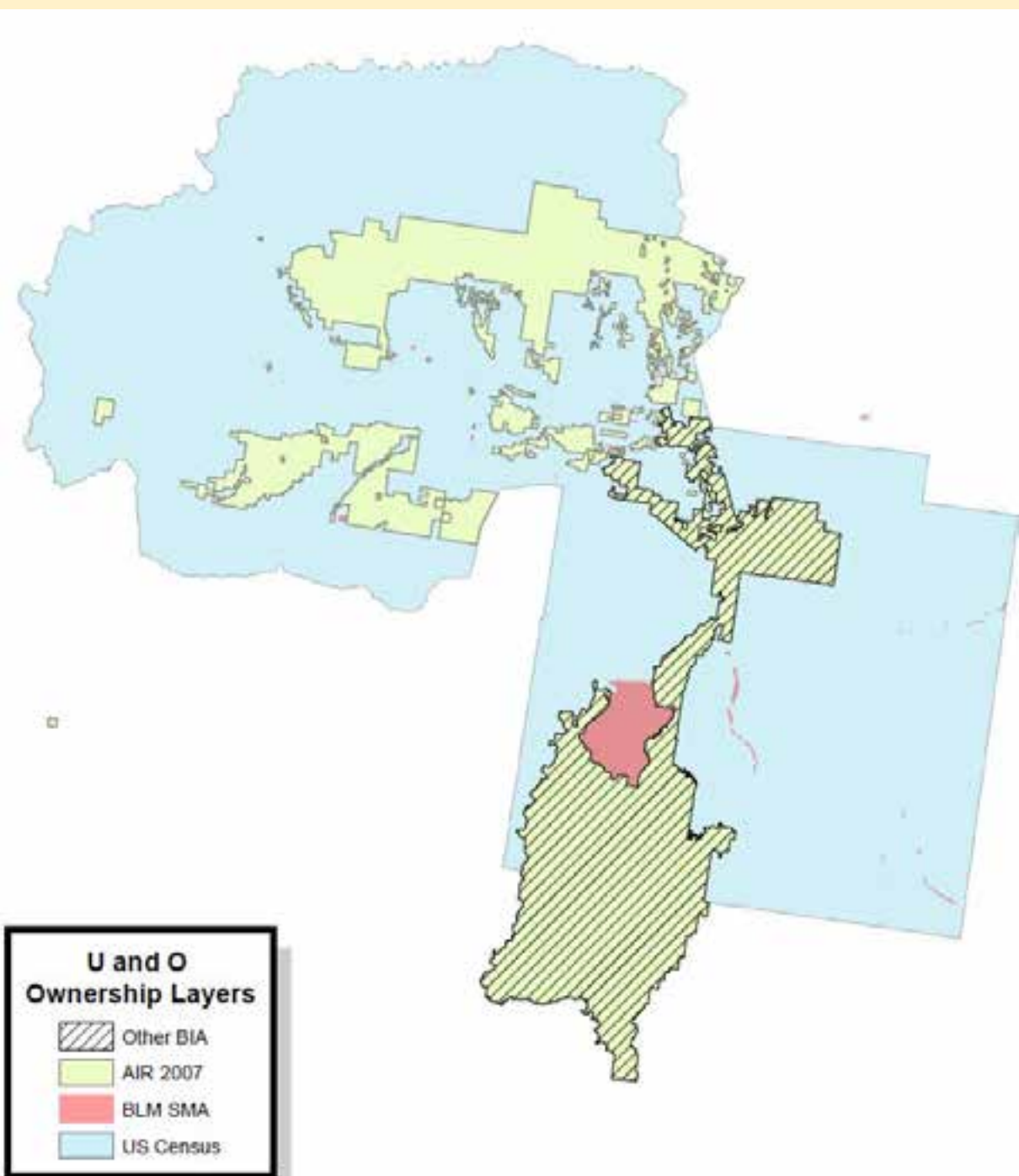
- × Remnants of reservations broken up during federal allotment period
- × Held in trust

⌘ Restricted Status (Restricted Fee)

- × Held by an individual Indian person or a tribe

⌘ State Indian Reservations

- × Lands held in trust by a state for an Indian tribe
- × Subject to state laws



HISTORY BOUNDARY LAYER

ò Base Themes Layer Creation

É 1992

- Đ Paper to digital creation
- Đ Roads, Rivers, Boundaries

É 1994

- Đ BIA utilized ESRI base-map layers
- Đ Team changes over boundary layer creation
 - × 14 Person Team

THE GDSC

○ Geographic Data Service Center

- É Tabular property reports created from Land Realty Information System (LRIS)

 - Ð Trust Asset and Accounting Management System (TAAMS) replaces LRIS in 2006

- É Run through program

 - Ð 10-40% Errors

 - Ð Manually input if Error

- É Sent to LTRO for Verification

- É Data Added To AIA

- É Data Shared

END OF THE GDACS

- ò Boundary program defunded in 2006
- ò Kept running by other funding
 - É Limited capabilities
 - É Last AIA update 2007
- ò Moved to Albuquerque 2007
 - É Became the National Geospatial Resource Center (NGRC)

THE NGRC

In 2009 Deputy Director of Trust Services wanted the boundary program reinstated

- É Deemed unacceptable not to have it maintained
 - Ð Program was reinstated without additional funding
- É Agreements with LTROs had lapsed
 - Ð Verifications left uncompleted
 - Ð No AIA updates were published

END OF THE NGRC

- ò In Late 2010 NGRC was closed
- ò In Early 2011 Office of Trust Service Geospatial Support (OTSGS) was Created in Denver
 - É Supports Geospatial Training, Helpdesk, and the of the dissemination of the DOI's Enterprise License Agreement (ELA) with ESRI
 - É Has started looking in to updating the AIA

THE OTSGS

- Working w/ Census Bureau
- Needs 2 things to begin BIA AIA updates
 - É BIA director to create a National Policy Memo reinstating the program
 - É Funding to be put in place
- Currently National Indian Oil & Gas Evaluation & Management System (NIOGEMS) and the Land Buy Back Program (LBBP) are using tabular TAAMS data which has no spatial component

FUTURE

- Working with a DOI wide National Boundaries Group
 - Developing standards
 - Leveraging other organizations that have more resources and have a common need
- Set up a Viewer
 - To allow users to collaborate and contribute on data

QUESTIONS?
