Historical Survey Plat Mosaic
Idaho – Boise District – GIS Specialist J. Wheeler – Presented May 12, 2022
Public Land Survey System and Initial Point

INITIAL POINT IN KUNA, IDAHO
Problem Identified
Master Title Plat Mosaic
Puget Sound
Oregon Trail
Project and Methods

Method

- Create Folder Structure
- Download Survey Plats
- Preform Tasks
- Create Mosaic Dataset

Software

- Esri ArcGIS Pro
- IrfanView

Audience

- Archaeology
- Cadastral Survey
- GIS Staff
Flow Diagram

1. File Structure
2. GLO Website
3. Tasks
File Structure

**HOS_Tasks**
(ArcGIS Pro Project)

**HOS_TIFF**
(File Folder)

**ID_T01NR01E**
(File Folder with Image)

**ID_T01NR01W**
(File Folder with Image)

**ID_T01SR01E**
(File Folder with Image)

**ID_T01SR01W**
(File Folder with Image)

File Geodatabase

**ID_TR**
(Feature Class)

**ID_OriginalSurveyMosaic**
(Mosaic Dataset)

**HOS_Clipped**
(File Folder)
<table>
<thead>
<tr>
<th>Search Surveys</th>
<th>Download SID File</th>
<th>Choose Plat Image of Original Survey</th>
<th>Open with IrfanView</th>
<th>Save as TIFF Raster to HOS_TIFF Folder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location (IDAHO)</td>
<td>Land Description (Township, Range)</td>
<td>Miscellaneous (Original Survey)</td>
<td>Surveys</td>
<td>GLO Website</td>
</tr>
</tbody>
</table>
Project Tasks

- Geoprocessing Workflow
- Build TIFF Pyramids
- Georeference TIFF Raster to 100K ID_TR
- Create Mosaic Dataset

- Optimization
- Cal Files
- Batch Script
- Python Version 3

- Design
- Test
- Refine
- Create Layer File

- Survey Plat Final Tiff
- HOS_Clipped
- Mosaic Dataset Complete
- Create Layer File

Geoprocessing Script
Mosaic Dataset
Survey Plat Mosaic Dataset
Recording Of Uses
Project Conclusion