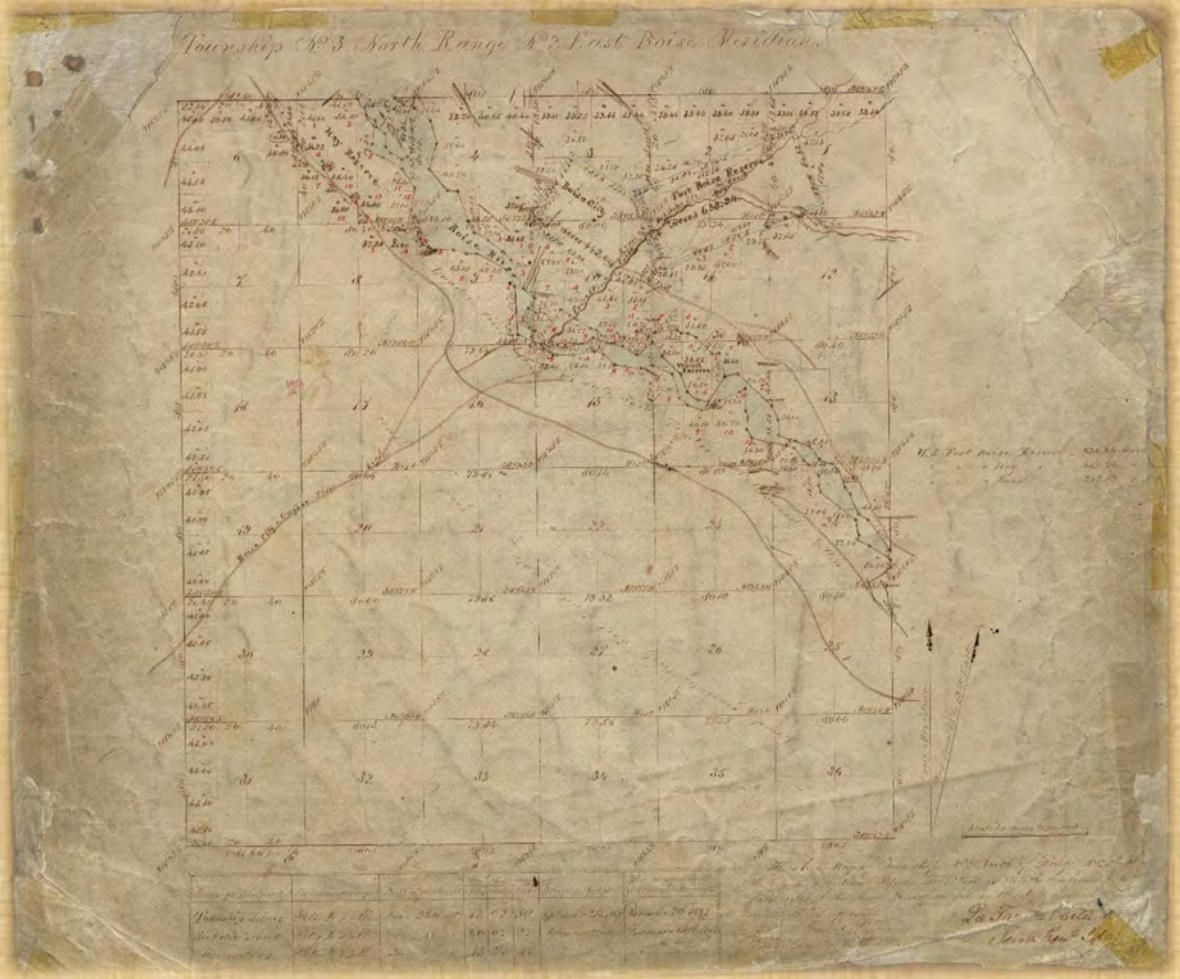
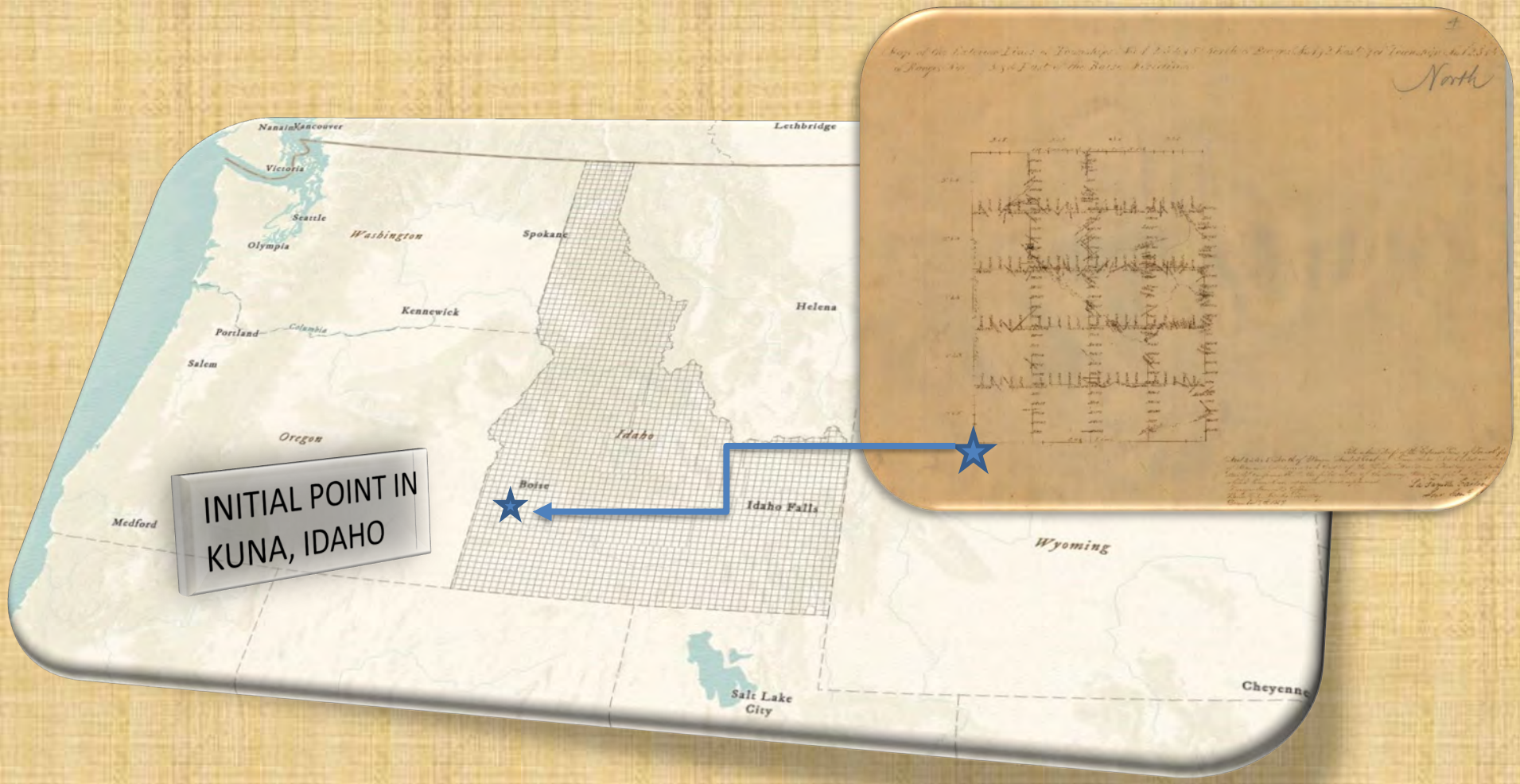
U.S. Department of the Interior
Bureau of Land Management

Historical Survey Plat Mosaic

Idaho – Boise District – GIS Specialist J. Wheeler – Presented May 12, 2022

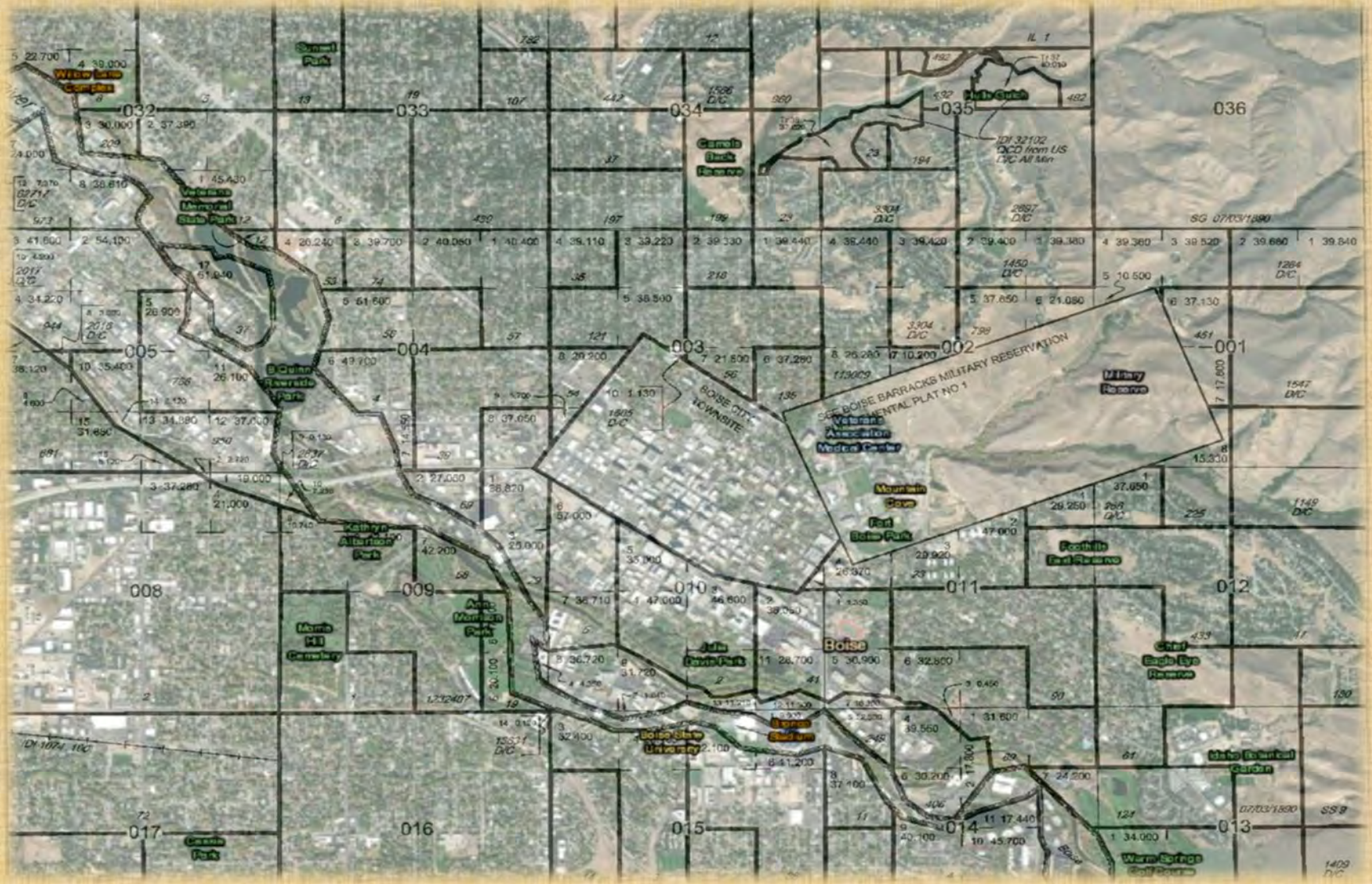


Public Land Survey System and Initial Point

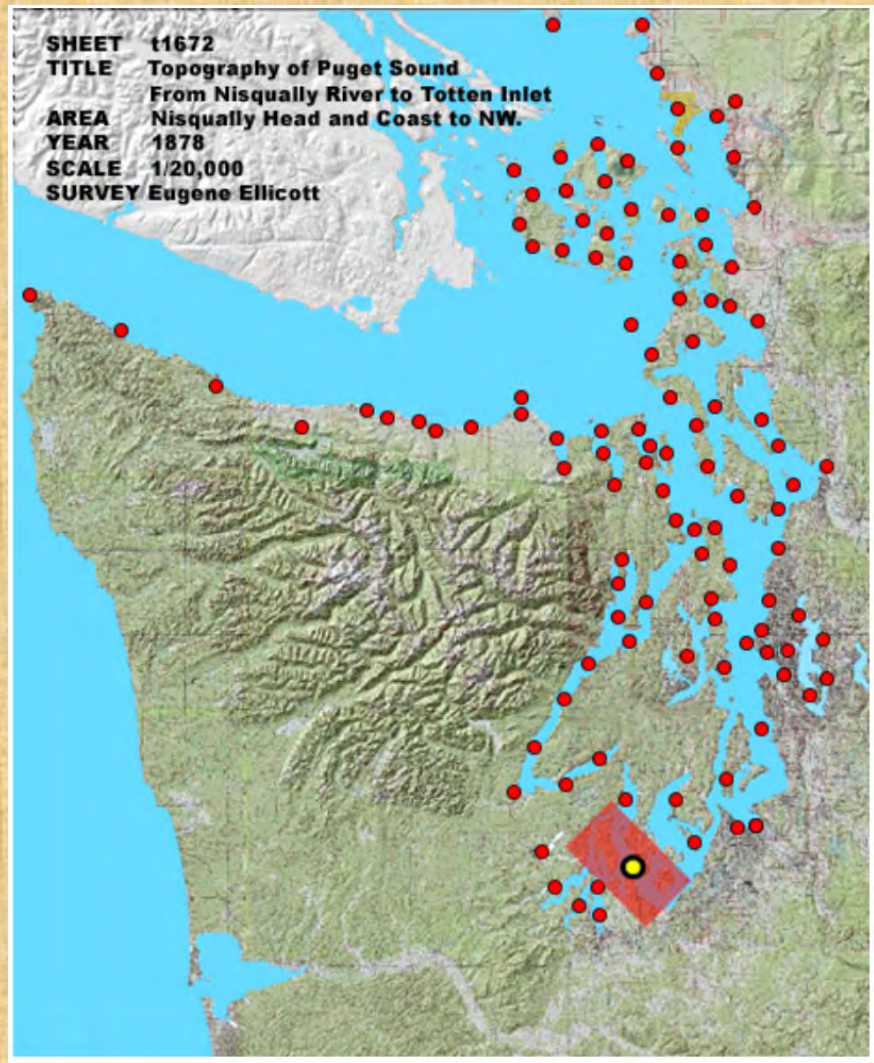


Problem Identified

Master Title Plat Mosaic

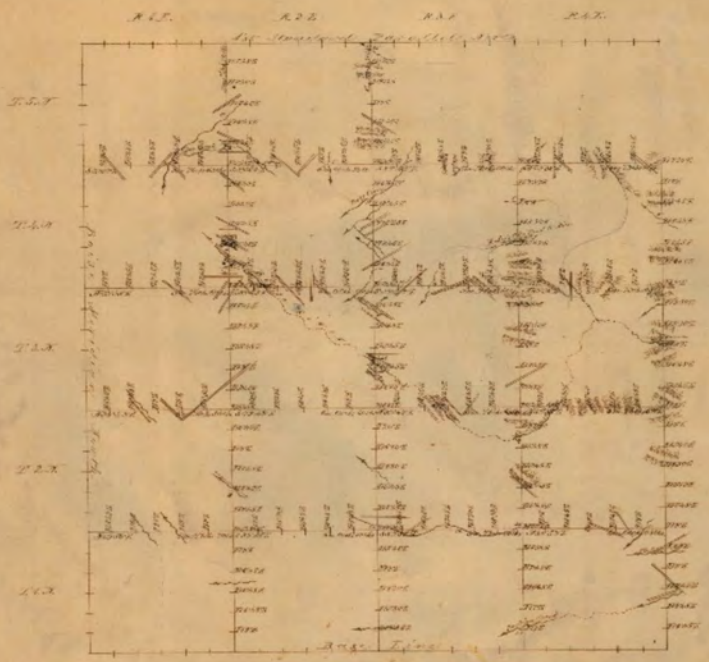


Puget Sound


SHEET t1672
TITLE Topography of Puget Sound
From Nisqually River to Totten Inlet
AREA Nisqually Head and Coast to NW.
YEAR 1878
SCALE 1/20,000
SURVEY Eugene Ellicott

Oregon Trail

Project and Methods



Method

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

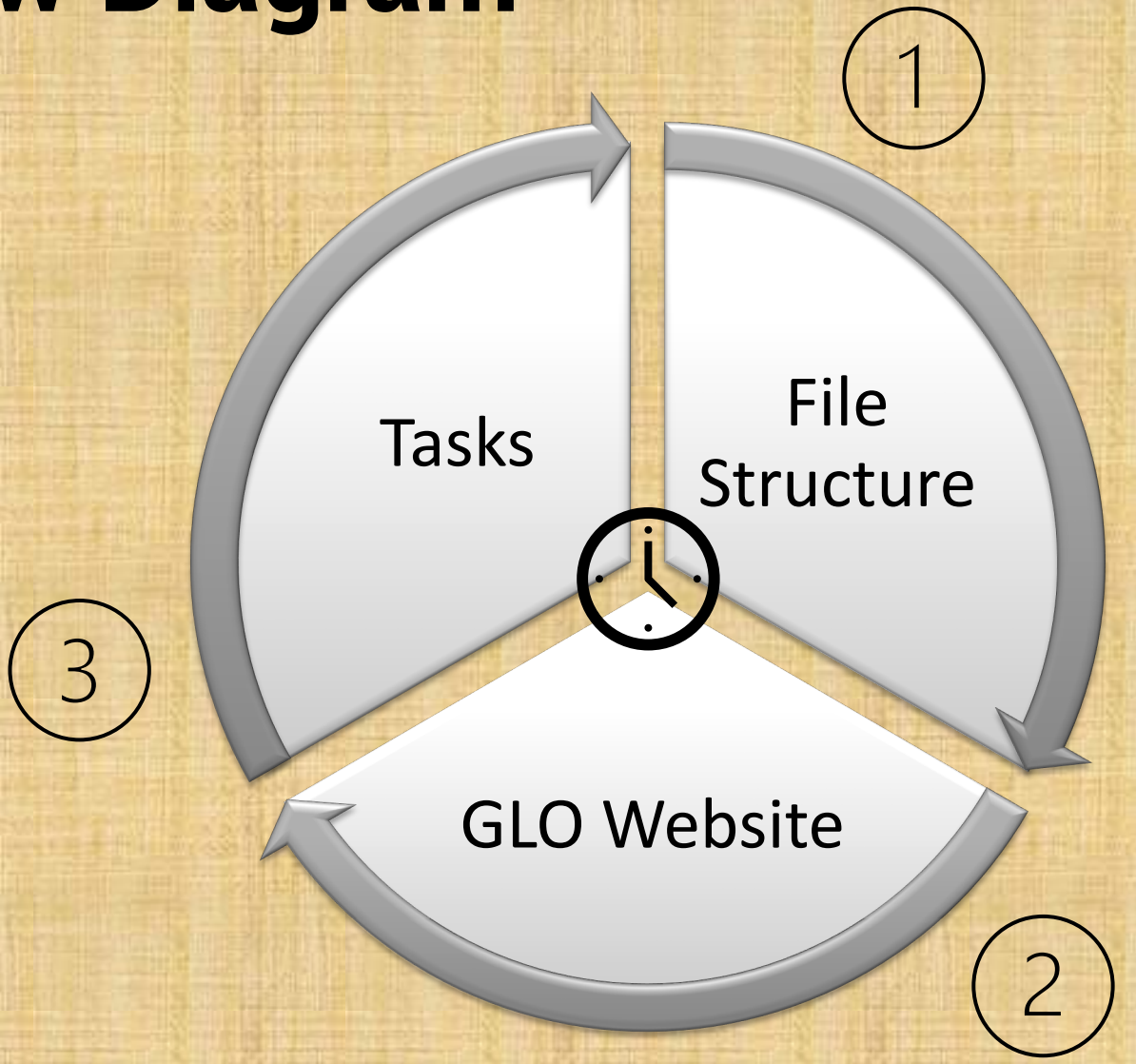
Software

- Esri ArcGIS Pro
- IrfanView

Audience

- Archaeology
- Cadastral Survey
- GIS Staff

Flow Diagram



File Structure

HOS_Tasks
(ArcGIS Pro Project)

HOS_TIFF
(File Folder)

HOS_Clipped
(File Folder)

ID_T01NR01E
(File Folder with Image)

ID_T01NR01W
(File Folder with Image)

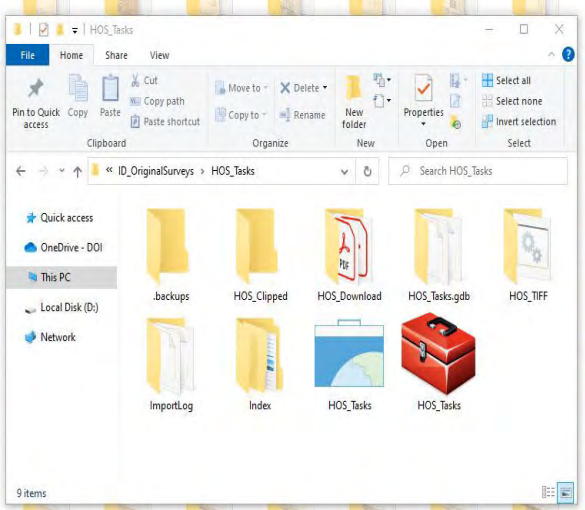
ID_T01SR01E
(File Folder with Image)

ID_T01SR01W
(File Folder with Image)

File Geodatabase

ID_TR
(Feature Class)

ID_OriginalSurveyMosaic
(Mosaic Dataset)



General Land Office Website

GLO Website

Surveys Plats and Field Notes

Surveys

Location (IDAHO)

Land Description (Township, Range)

Miscellaneous (Original Survey)

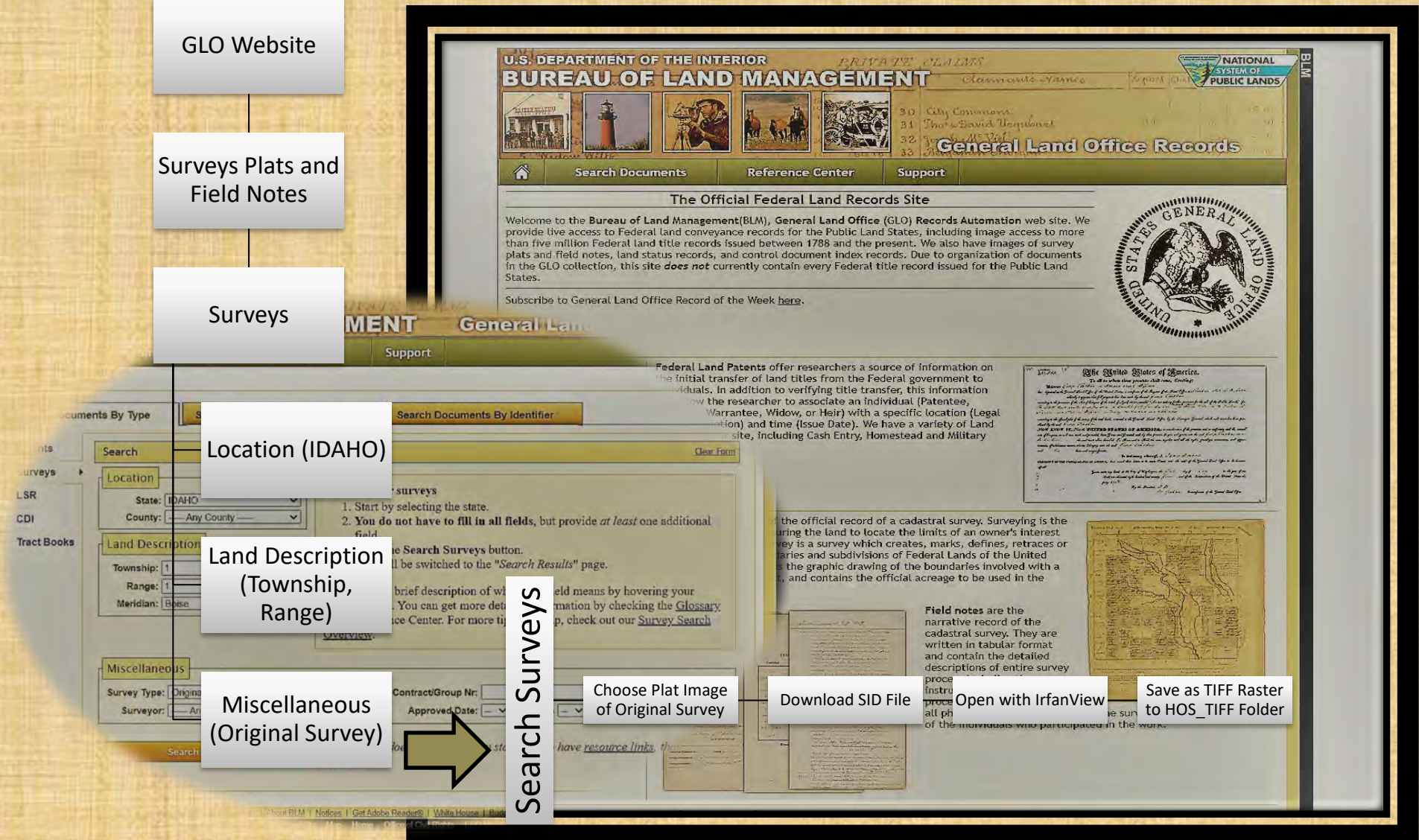
Search Surveys

Choose Plat Image of Original Survey

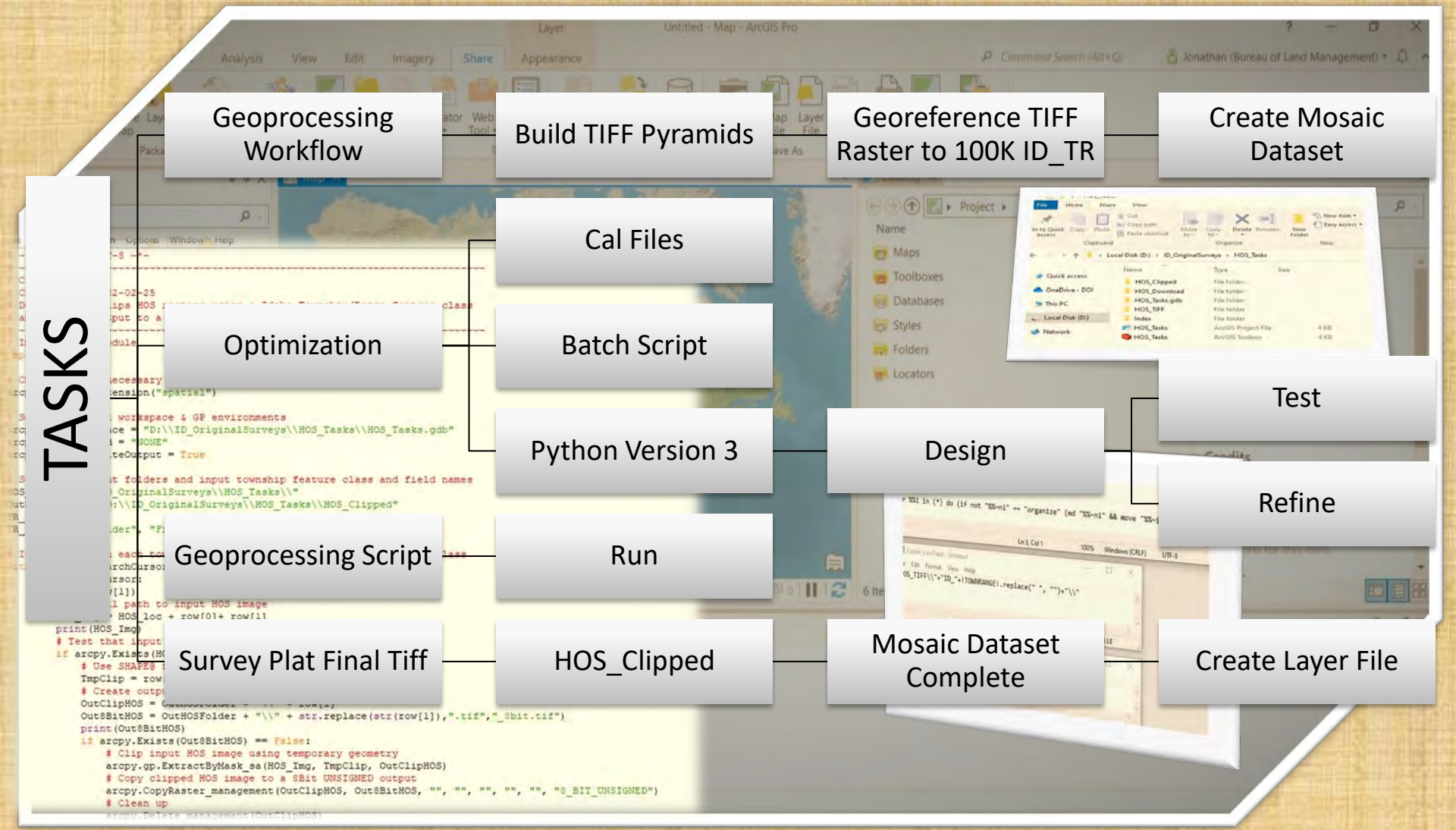
Download SID File

Open with IrfanView

Save as TIFF Raster to HOS_TIFF Folder



Project Tasks



Mosaic Dataset

Survey Plat Mosaic Dataset

Recording Of Uses

Project Conclusion