

Siskiyou County Enterprise GIS

History of GIS in Siskiyou County



The History

- Many departments use mapping information
 - ArcGIS
 - AutoCAD
 - 911 Dispatch
 - Google Maps/Google Earth
 - Enplan Parcel Viewer
 - ParcelQuest

The History

- Over 15 years ago, efforts were made to implement a countywide enterprise GIS
 - GIS Steering Committee
 - GIS Users Group
 - Strategic Implementation Plan that compiled a Needs Assessment (Vestra 2005)
- 2008-09 Budget Crisis
 - lack of fiscal and personnel resources
- Status Quo prevailed

Brief Background

- A handful of departments have continuously used GIS software from Esri, the industry leader
 - Agriculture
 - Community Development
 - Public Works
 - Limited: Clerk and OES
- New Usage 2017-2018 with advent of ELA:
 - Natural Resources, Behavioral Health, Sheriff

The Present

- Duplication of effort
 - Departments operate GIS in isolation
- Lack of consistent data
 - No regular or automatic updates of data
 - Users have a wide range of data in various states
- Slow workflow
 - Waiting on others to get needed data/files
 - Sharing data via email or folders is inefficient
- Potential liability for outdated layers

The Present

- Current datasets need updating
 - Parcel Map Layer update project
 - Base information for all county
 - minimal update in 2017
 - Centerline, Address Locations (Situs)
- Standardizing
 - Insuring everyone is using the most current data is difficult (which file??)
 - Metadata sourcing, creation and validation

The Present

- Needs are greater than ever
 - Accurate parcel data (core base layer)
 - Inter-departmental coordination and sharing of data
 - Reduce silo workflows, duplication of efforts, different versions
- GIS Advancements
 - More accessible and affordable than before
 - Multi-user access across organization (enterprise usage)
 - Mobile devices
 - ArcGIS Online cloud based mapping
 - Affordable pricing structure for small governments

Current County GIS Actions

- Steering Committee
 - County GIS and IT users and managers
 - Appointed by participating department heads for making recommendations for GIS needs in the County
- Enterprise GIS Small Government Model License
 - Purchased license with multi-department budget
 - Impacted departments with small increase in cost
 - Includes all county departments
- SQL Server Software

Current County GIS Actions

- RFP for Enterprise GIS Implementation
 - Database determination
 - Data migration

- Anticipated Project
 - Approval to Award Request April 2018
 - April –July 2018

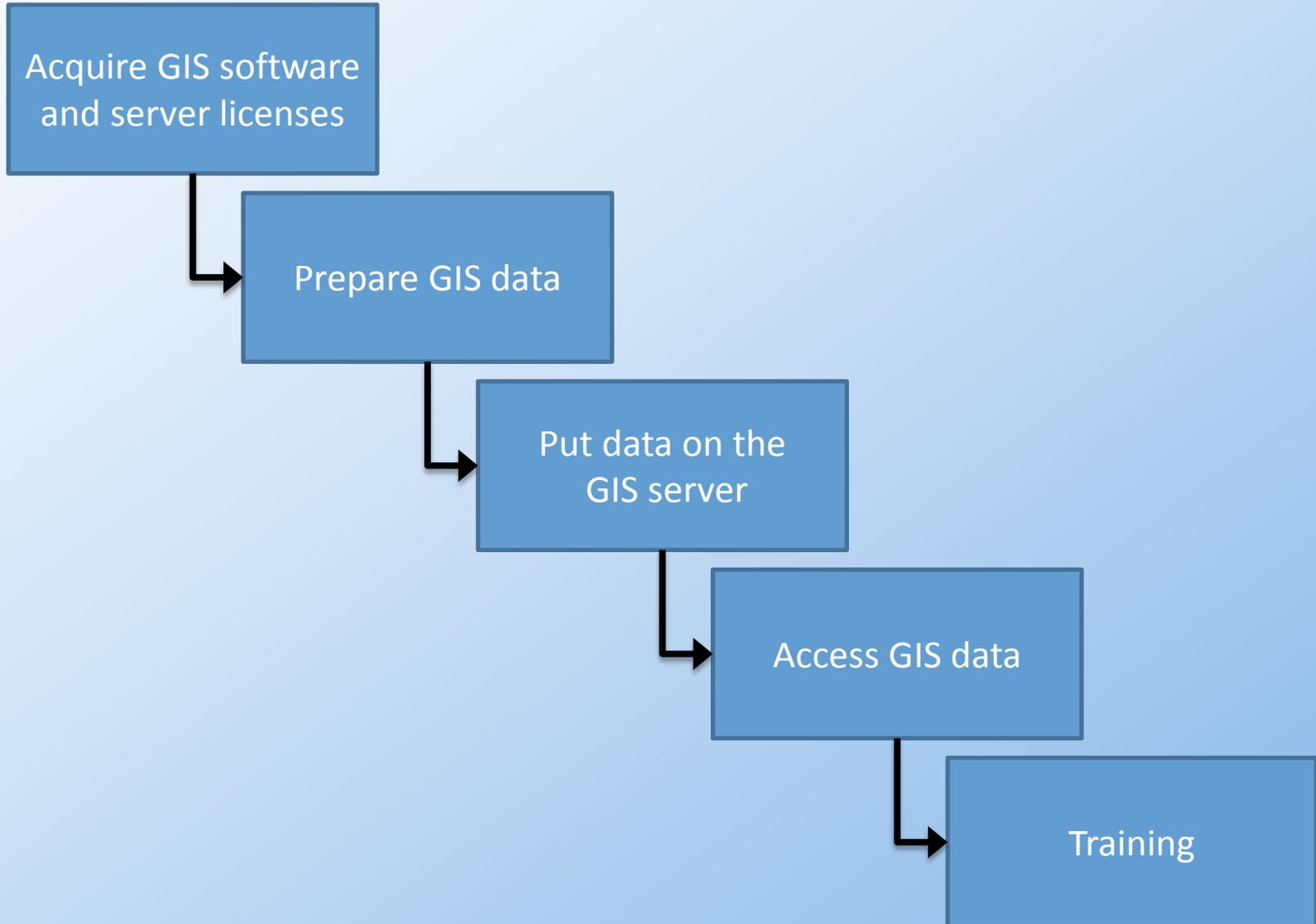
Siskiyou County GIS Needs a Strategic Plan

- Mission:
 - Create and refine a comprehensive plan for geographic information in the County.
- Contains:
 - Initiatives, Objectives, Goals, and Projects
- Serves as:
 - A guiding document for current work
 - A template for future work
 - Tracking and accountability for past work

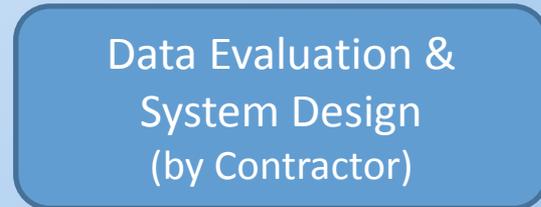
ArcGIS Online



Enterprise GIS Steps



Enterprise GIS: Phase 1



Enterprise GIS: Phase 2



Steps for Launching EGIS

1-Acquire **Software** and Server Licenses

- County ELA and SQL Server License

2-Data Evaluation and **System Design**

- Select a contractor to assist with data evaluation, design, and migration using Local Government Information Model (LGIM)

3-System Implementation and **ArcGIS Online** Access

- Users have secure access data via the cloud on desktop and mobile devices

4- Launch **Maps and Apps** Tools

- Use ready-made templates and tools for viewing and analyzing data

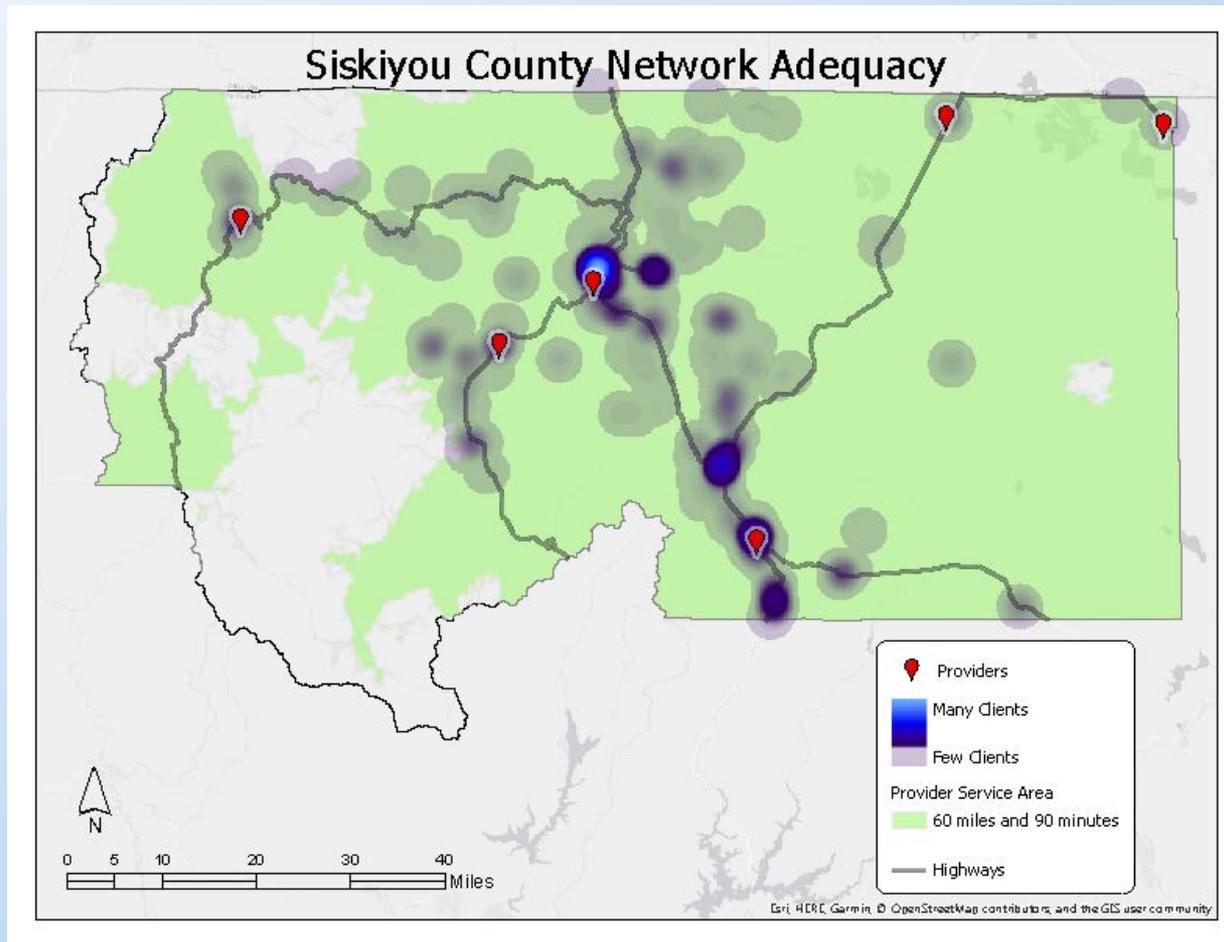
5-Ongoing **Training** and **Future Projects**

- Access free GIS training library and hold user group meetings to train on new resources and maintenance

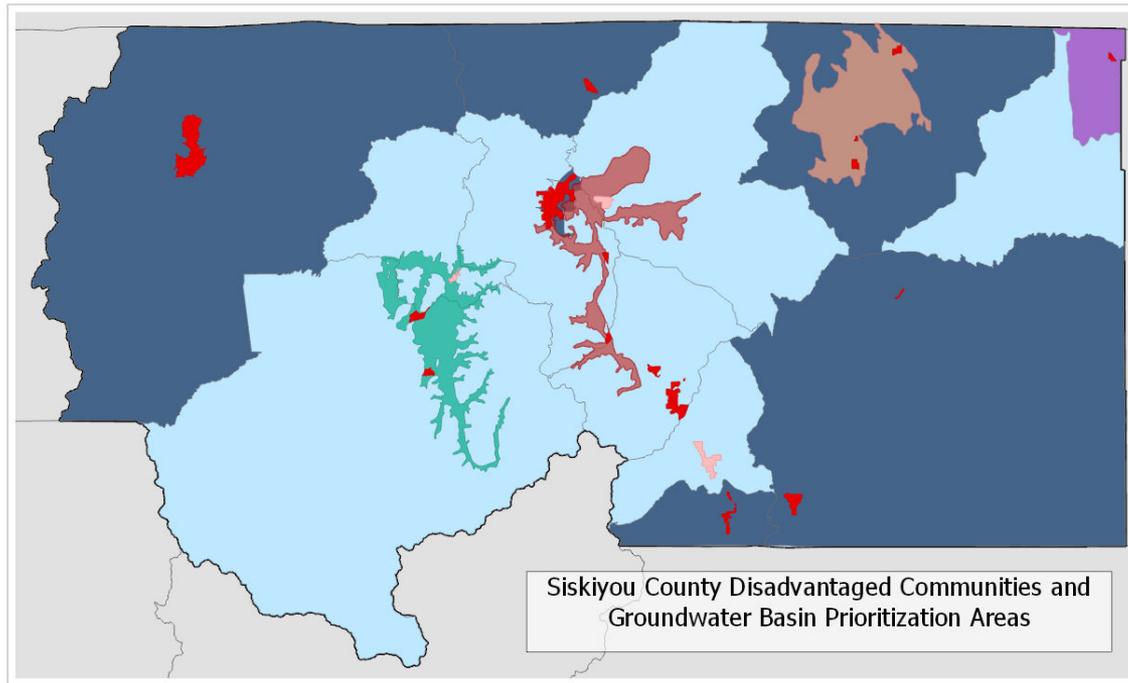
County GIS Accomplishments

- Projects authorized outside Agriculture Dept.
- Cooperative projects with quid pro quo
- Projects for other departments
 - Search and Rescue maps
 - Parcel update contract manager for Planning
 - Clerk and OES: address locations by census and district areas
 - Behavioral Health Network Adequacy
 - SGMA Groundwater Maps

GIS Project Gallery



GIS Project Gallery



Map created by Holly Baun, 2017
Credits Paul Shipman, Tanya Meeth



Description Map for evaluating Disadvantaged Communities (DAC) status throughout the state using US Census American Community Survey (ACS) Data (2010-2014).

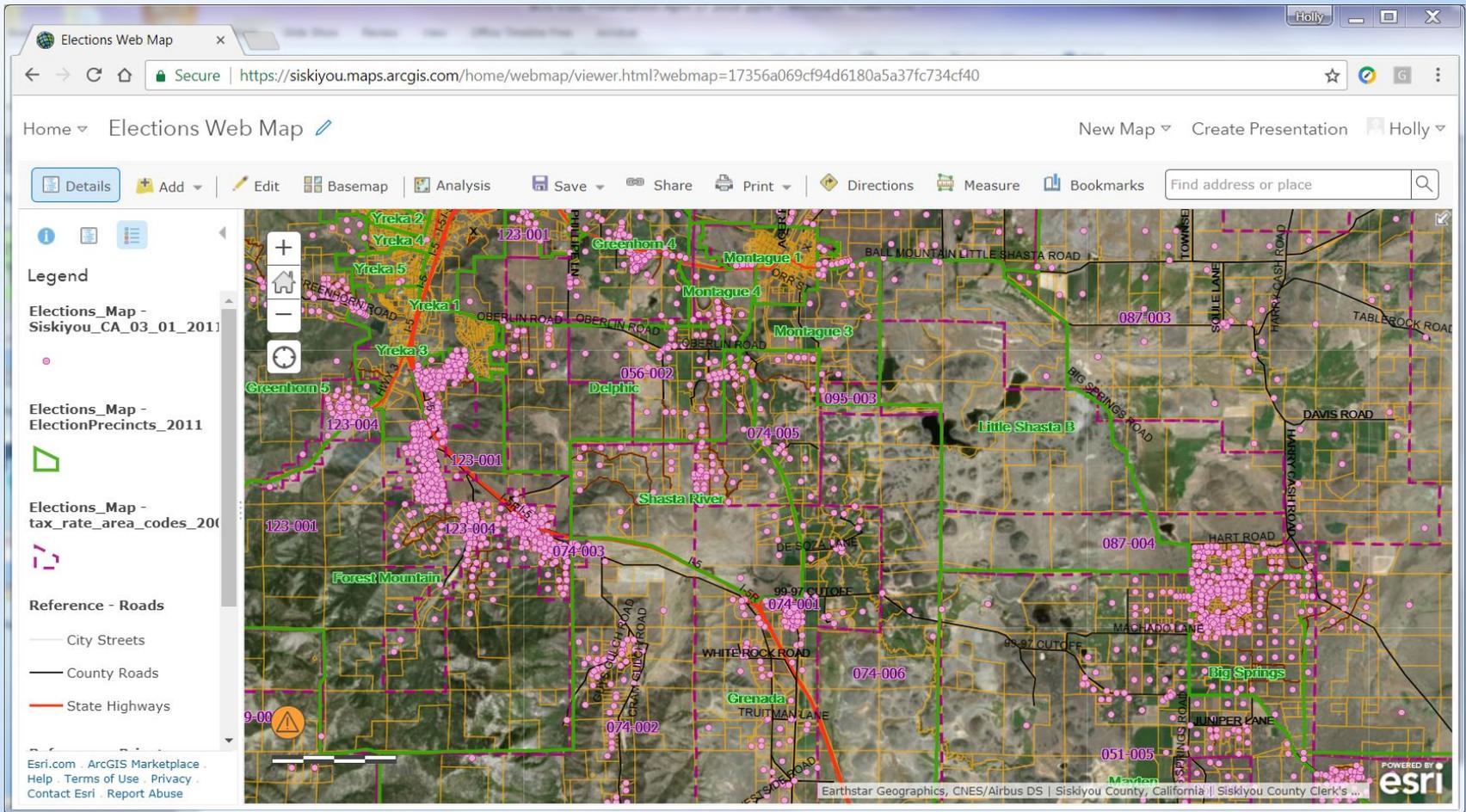
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Disadvantaged Community Places
■ Severely Disadvantaged Community
■ Disadvantaged Community

Disadvantaged Community Tracts
■ Severely Disadvantaged Community
■ Disadvantaged Community

CASGEM Basins
■ Butte Valley
■ Scott Valley
■ Shasta Valley
■ Tulelake

GIS Project Gallery

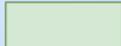
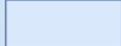
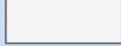


Siskiyou County GIS

GIS Usage Inventory Feb 2017

GIS Coordinator

GIS Level of Support

| | |
|---|----------------------------|
|  | Current GIS User |
|  | Engaged Future GIS User |
|  | Interested Future GIS User |
|  | Unknown |

