



# **El Dorado County Surveyor's Office**

*Mission & Goals for 2020-2021 Budget Year*

*Phil Mosbacher, County Surveyor*

*Jose Crummett, GIS Manager*



# Survey Department Programs

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## Land Survey Program

1. Check and process maps and documents submitted by Professional Land Surveyors
2. Provide property ownership information

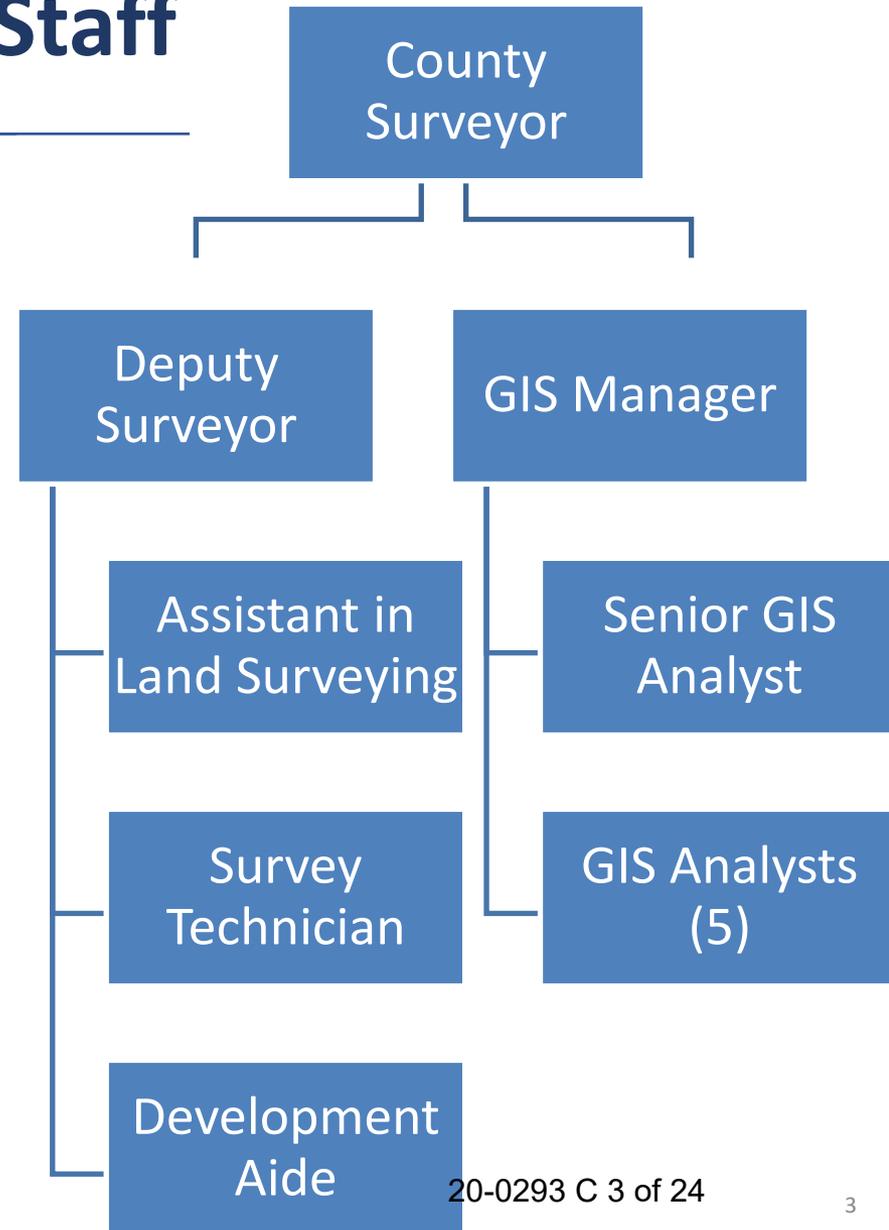
## Geographic Information System Program

1. Maintain countywide GIS data, map layers, and web applications.
2. Deliver GIS services to County and external clients.



# Department & Support Staff

- Land Survey Program  
5 FTE
- Geographic Information Systems Program  
7 FTE
- *CAO Financial Admin Staff*

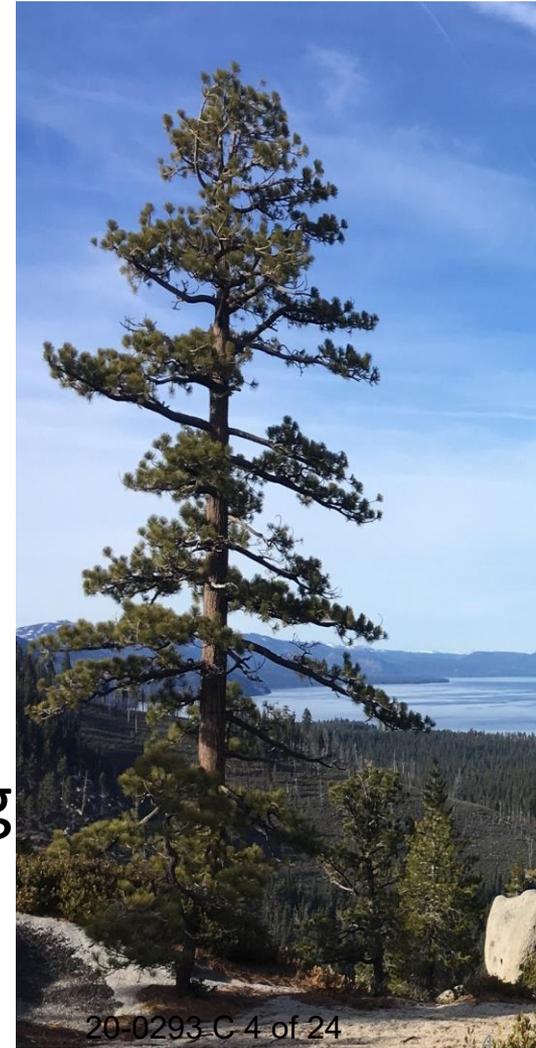


# Land Survey Program Responsibilities

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## Review all projects submitted

- Parcel Maps
- Subdivision Maps
- Records of Survey & Corner Records
- Lot Line Adjustments
- Certificates of Compliance
- Street Naming and Parcel Addressing



20-0293-C 4 of 24



# Land Survey Program Responsibilities

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- Provide property ownership information
- Process Abandonment of Public Easements and Irrevocable Offers of Dedication
- Provide expertise and assistance to County Departments and outside agencies



# County Surveyor Office Clients

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## General Public

- Professional Land Surveyors
- Civil Engineers
- Professional & Private Developers
- *270+ monthly public counter contacts*

## County Land Use Departments

- Planning
- Building
- Facilities
- Transportation
- Agriculture
- Environmental Management



# County Surveyor Office Clients

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## Government Departments

- Board of Supervisors
- County Counsel
- Recorder
- Assessor
- CAO
- IT

## Public Safety Departments

- District Attorney
- Public Defender
- Sheriff
- Fire



# County Surveyor Authority Defined by Law

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1. CA Government Codes
2. CA Code of Regulations: Board of Professional Engineers, Land Surveyors and Geologists
3. CA Business and Professions Code
4. CA Public Resources Code
5. CA Code of Civil Procedure
6. CA Penal Code
7. El Dorado County Code



# FY 2020-2021 Land Survey Program Goals

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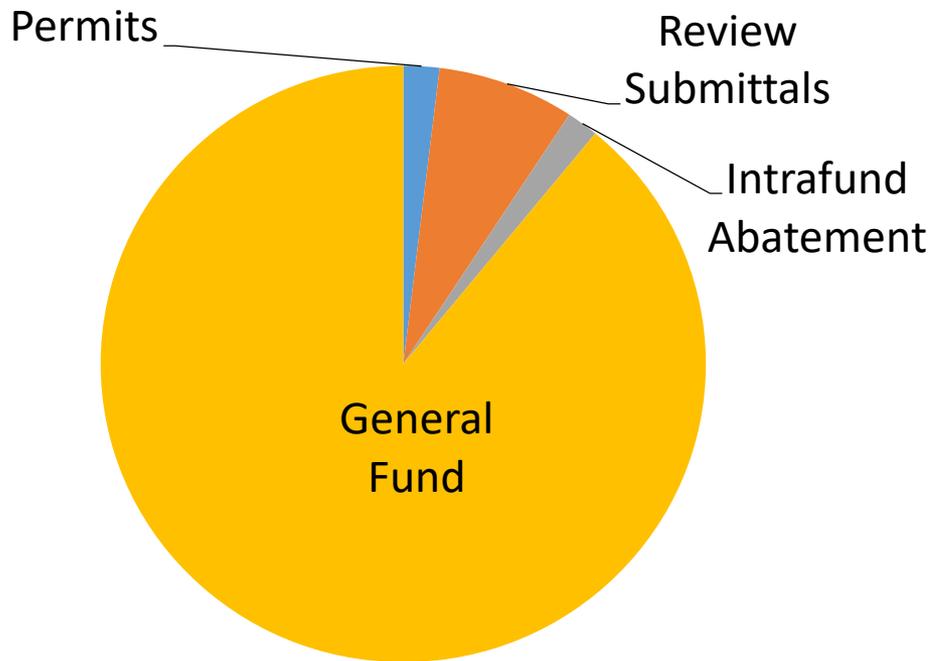
- Increase efficiencies using revised research tools and project management software.
- Perform a departmental fee study
- Continued GIS analysis and mapping assistance for the permitting and enforcement of the new cannabis program.
- Prepare for and perform Supervisorial redistricting using the results of 2020 national census.



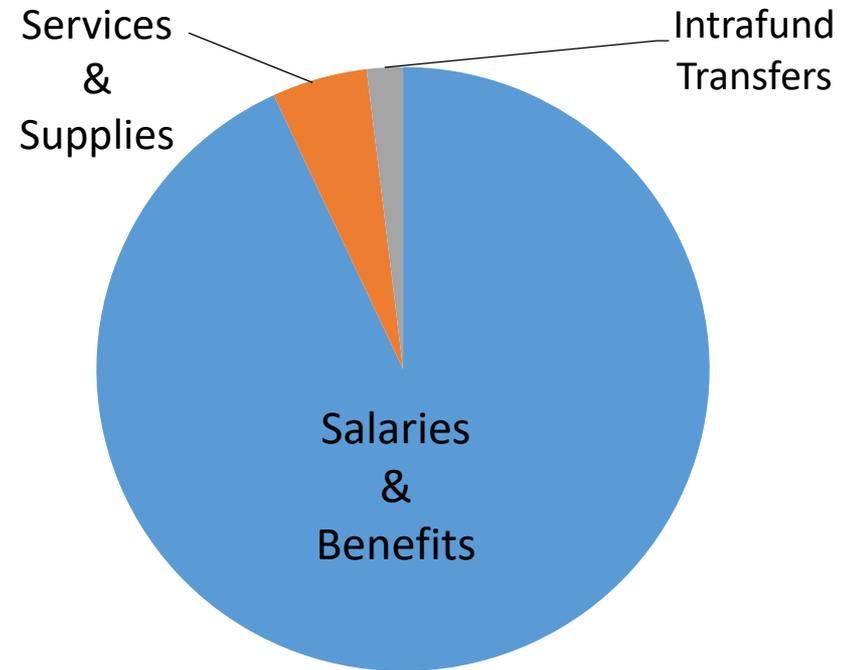
# Surveyor Department Budget: 2019-2020

## Net cost to County

- Estimated \$1,547,339
- 7% increase from 2018-2019 budget



2019-2020 CAO  
Recommended Funding

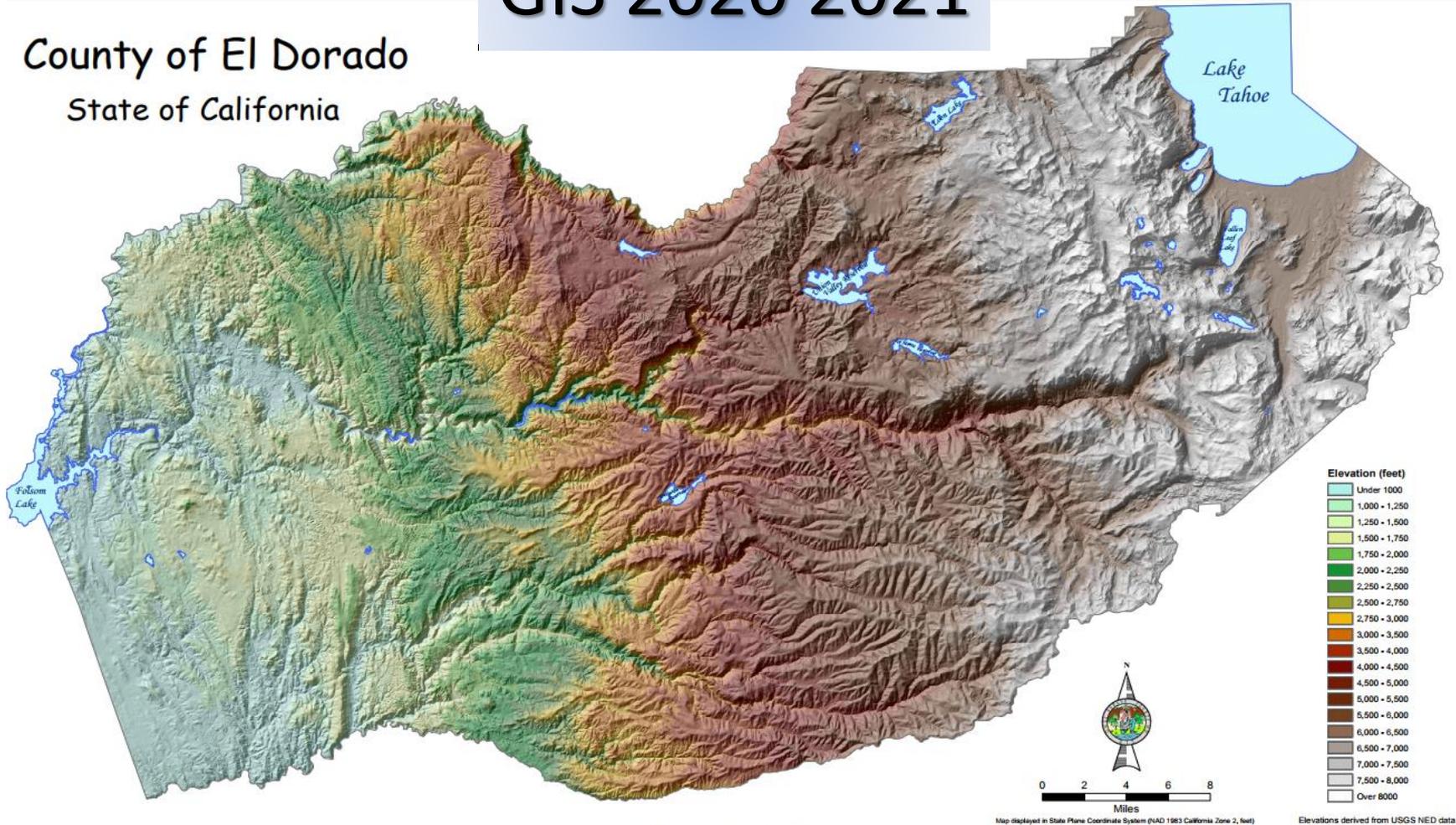


2019-2020 CAO  
Recommended Expenses



# GIS 2020 2021

County of El Dorado  
State of California



**Goal**  
**Extend GIS benefits to all County departments**

SHARED DATA

**GIS FOLDERS**

> SV-Libraries (\\gisdata) (M:)

2600 GIS layers

**GIS SPATIAL DATABASE**

+ LandManagement

1700 GIS tables and views

**Arc GIS Online**

1100 GIS layers and files

Arc GIS Enterprise

**Data Services**

MAPPING

**PROJECTS**

Historic Overlays,  
Weber Creek IBC,  
Notifications, CSA ,  
Ambulance Zones, ZOU ,  
Community Regions, Snow  
Removal, Vote Locations,  
Fire Severity, Broadband,  
Inundation, El Dorado Trail,  
Fire Safe Council, Fire  
Districts, Sand Fire ...

**Arc GIS Online**

401 Maps

Arc GIS Enterprise

**Map Services**

INTEGRATION

**LOCAL SYSTEMS**

MEGABYTE to GIS  
GIS to Trakit.

**External Systems**

EID, TRPA, So. Lake  
Tahoe, STPUD, and  
others via  
ugotnetextracts

**Arc GIS Online**

Econ. Dev. Business  
Analyst, HNSA  
Insights, EDSO  
Operations Support  
Assessor, DOT,  
Placerville PD  
County Fire Safe...

Arc GIS Enterprise  
**Integration Services**

APPS

**INTERNAL**

Internal Systems  
Storm water – Basin  
EDSO Homeless  
Outreach  
Rubicon Trail BMP  
Tree Mortality

**PUBLIC APPS**

Road Closure,  
GOTNET, VHR,  
Story Maps...

**Arc GIS Online**

318 apps from  
CHP, CALFIRE, NWS,  
USGS...

Arc GIS Enterprise  
**Application Services**

## **GIS Support: PRODUCTS AND SERVICES – Today.**

### **New Requests :**

**Vegetation Management Ordinance, River Management Support, Cannabis Monitoring, Next Gen. 911, Census 2020, Redistricting, Evacuation Planning, Emergency Prep Apps, West Slope Storm Water, VMT (Vehicle Miles Traveled ) App .**

**Involve multiple County departments**

**AND/OR**

**Involve multiple external agencies**

**AND/OR**

**The Public**

# GIS Support: PRODUCTS AND SERVICES – ArcGIS Online.

Map Scene Groups Content Organization



## GIS



Assr-Parcel



El Dorado County Assessor Parcel Data



OfficeAppMapWAB



Parcel Level and County Level



## Welcome to the County of El Dorado's Online GIS!

The **Geographic Information Systems Program** of the County of El Dorado Surveyor's Department is responsible for developing, managing, and delivering a wide variety of maps and data to the general public. We offer many of the County's mapping resources online through the GOTNET application and now through ESRI's ArcGIS Online.

*Please note all images shown in the County of El Dorado's ArcGIS Online logo are licensed under Creative Commons 2.0 or 3.0. For more details on the licensing, hover over the image in the logo or click to navigate.*

[Trust Center](#) [Contact Esri](#) [Report Abuse](#) [Contact Us](#)

# GIS Support: PRODUCTS AND SERVICES – ArcGIS OnLine.

## CONTENT

1 - 20 of 1935

Title		Modified
 DSpace_VegManagement	 + 	 ... Feb 27, 2020
 DSpace_VegManagement		 ... Feb 27, 2020
 see0074011		 ... Feb 25, 2020
 Travel_from_EDC_CMFR_Design_Standards_1 _(30_Minutes)		 ... Feb 25, 2020
 EDC CMFR Design Standards_1		 ... Feb 25, 2020
 Rubicon Trail - Dashboard		 ... Feb 25, 2020
 see0074015		 ... Feb 25, 2020
 HOT Homeless Map 2020	 + 	 ... Feb 25, 2020

# GROUPS

1 - 33 of 33



## Business Parks

Owner: [alex.gole\\_ELDORADOCOUNTY](#)

Created: Oct 17, 2017 Last Updated: Oct 17, 2017 Viewable by: Everyone (public)

Business Parks



## Cal OES Emergency Management Collaboration - Local Government

Owner: [CA\\_Office\\_of\\_Emergency\\_Services\\_GIS](#)

Created: May 21, 2019 Last Updated: Oct 25, 2019 Viewable by: Everyone (public)

This group will be for sharing Emergency Management related information with Cal OES's Local Government Partners



## Camino

Owner: [crummett](#)

Created: Aug 13, 2019 Last Updated: Aug 13, 2019 Viewable by: Group Members



## Cannabis

Owner: [ekikuyama](#)

Created: Feb 10, 2020 Last Updated: Feb 10, 2020 Viewable by: Group Members

Cannabis



## County GIS/Sheriff

Owner: [EDSOsupport\\_ELDORADOCOUNTY](#)

Created: Jun 15, 2017 Last Updated: Oct 17, 2019 Viewable by: Group Members

# GIS Support: PRODUCTS AND SERVICES – ArcGIS OnLine.

## ORGANIZATION

County of El Dorado [Edit settings](#)



Subscription ID  
3685805550

Feature Data Store ⓘ  
Standard

Renewal date  
Nov 15, 2020

System health • [View details](#)  
✓ All systems operational

Created  
Sep 16, 2013

Renewal date • [Renew](#)  
Nov 15, 2020

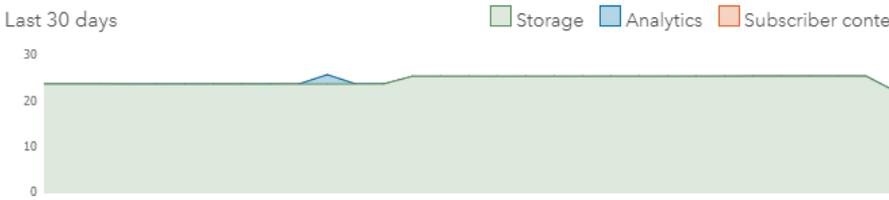
[Download activity log](#)

Credits [View status](#)

Total remaining credits      Last 30 days      Last 24 hours

**10,155.97**      **764.29**      **25.45**

Last 30 days



Legend: Storage (Green), Analytics (Blue), Subscriber content (Red)

Members [Invite members](#) | [Manage members](#)

Total members  
**54**

Pending members  
**0**

Members per user type

**Creator** (formerly Level 2)  
54 assigned  6 available | 60 total

Add-on licenses [Manage add-on licenses](#)

- ArcGIS Pro Basic  
12 assigned  31 available | 43 total
- ArcGIS Pro Advanced  
10 assigned  1 available | 11 total
- ArcGIS Business Analyst Web and Mobile Apps  
4 assigned  1 available | 5 total
- ArcGIS Insights  
1 assigned  0 available | 1 total

# SEE EL DORADO

ado.edcgov.us/portal/home/

Home Gallery Map Scene Groups

Sign In

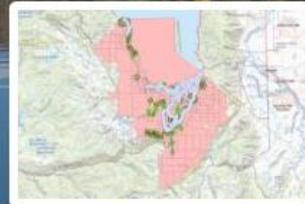


# SEE EL DORADO

## Featured Maps and Apps



Address\_Locator



Amenity Buffers\_MIL1



AmenityBuffers\_Dissolve\_Exp



Bear\_box

## Spatially Enabled Enterprise GIS

Data | Analysis | Web mapping and applications

# GIS Support: PRODUCTS AND SERVICES – SEE EL DORADO

## Content

see-eldorado.edcgov.us/portal/home/content.html?start=1&view=grid&sortOrder=desc&sortField=modified#organization

Home Gallery Map Scene Groups Content Organization

Content

My Favorites My Groups My Organization Living Atlas

Item Type

- Maps
- Layers
- Scenes
- Apps
- Tools
- Files

> Date Modified

> Date Created

> Shared

> Status

Search My Organization

1 - 16 of 1967

Sort by: Date Modified



Mitigation Areas  
by emma.kikuyama  
Created: Feb 13, 2020  
Updated: Feb 13, 2020  
View Count: 17



water\_district  
by emma.kikuyama  
Created: Feb 13, 2020  
Updated: Feb 13, 2020  
View Count: 18



gabbro\_serp  
by emma.kikuyama  
Created: Feb 13, 2020  
Updated: Feb 13, 2020  
View Count: 18



preserve  
by emma.kikuyama  
Created: Feb 13, 2020  
Updated: Feb 13, 2020  
View Count: 18



trakit\_spatial\_SHP  
by Mark.Laloggia  
Created: Feb 13, 2020



Mitigation0\_Investigation  
by emma.kikuyama  
Created: Feb 11, 2020



Mitigation0\_Investigation  
by emma.kikuyama  
Created: Feb 11, 2020



Recovery Boundary  
by emma.kikuyama  
Created: Feb 11, 2020

## SEE EL DORADO

### GROUPS

 Search My Organization's Groups

1 - 2 of 2



#### Featured Maps and Apps

Owner: [Portal.Admin](#)

Created: Apr 2, 2019   Last Updated: Oct 24, 2019   Viewable by:  Everyone (public)



#### Navigator Maps

Owner: [esri\\_nav](#)

Created: Sep 28, 2015   Last Updated: Sep 28, 2015   Viewable by:  Everyone (public)

This group contains mobile map packages that are designed for use in Navigator for ArcGIS.

# SEE EL DORADO

## ORGANIZATION



### Members

Viewing:

▲ Name	Username
Assessor GIS	assessor_gis
edcgis viewer	edcgis_viewer
Emma Kikuyama	ekikuyama
Emma Kikuyama	emma.kikuyama
James Urquhart	jurquhart
Jane Mc Clusky	jane.mcclusky
Jeffrey Whitford	jwhitford
Jose Crummett	jcrummett
Julie Lopez	jlopez
Karen Hyder	hyder

# GIS Support: PRODUCTS AND SERVICES – SEE EL DORADO

planet.com/explorer/#/center/-120.842,38.723/zoom/15/geometry/POLYGON((-120.8431+38.7144,-120.8431+38.7344,-120.8231+38.7344,-120.8231+38.7144,-120.8431+38.7144))/items/PSScene4Band%3A20200219...

El Dorado County Fairgrounds

2019/11/20 - 2020/02/20 Save search

Browse Compare Stories

Daily Imagery

Viewing lower resolution imagery. Get access for full resolution. [Get Access](#)

Cloud cover 0 - 100% Area coverage 0 - 100% Source 3 sources All filters >

63 total Most recent ↓

	Feb 19, 2020 18:32:05 UTC 4-band PlanetScope Scene (3 m) 100% area coverage	2 images
	Feb 16, 2020 18:31:38 UTC 4-band PlanetScope Scene (3 m) 100% area coverage	1 image
	Feb 15, 2020 21:10:48 UTC 4-band PlanetScope Scene (3 m) 100% area coverage	3 images
	Feb 14, 2020 18:30:50 UTC 4-band PlanetScope Scene (3 m) 100% area coverage	2 images
	Feb 12, 2020 18:51:44 UTC 4-band PlanetScope Scene (3 m) 100% area coverage	1 image
	Feb 11, 2020 18:32:13 UTC 4-band PlanetScope Scene (3 m) 100% area coverage	1 image

API (-) ORDER ITEMS (0)

Weekly Basemap Daily Imagery

38.74° N, 120.81° W 15 500 m

## **SEE EL DORADO**

### Economic Development:

- Data, Business Analyst app integration. Maintenance, accessibility, and distribution of quality and timely land use data.

### Good Governance:

- Integration services for Megabyte, GIS, and TrakIT.

### Healthy Communities:

- Homeless Outreach app support, maps of HHSA services for client/provider access, data and mapping support for Housing and Community Development.

### Infrastructure:

- Mapping support for grant funding for Broadband, Parks, Trails, and Tree Mortality. Maintain GIS roads, TIM zones, TAZ, and Basin Storm Water app.

### Public Safety:

- Road Closure, Tree Mortality, Homeless applications. Maps for grant funding for fire and fuel reduction. Maps/reports for Fire district consolidation.

# El Dorado County Surveyor's Office

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Questions?

