



El Dorado County Surveyor's Office

Mission & Goals for 2018-2019 Budget Year

Phil Mosbacher, Deputy County Surveyor

Jose Crummett, GIS Manager



Survey Department Programs

Land Survey Program

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

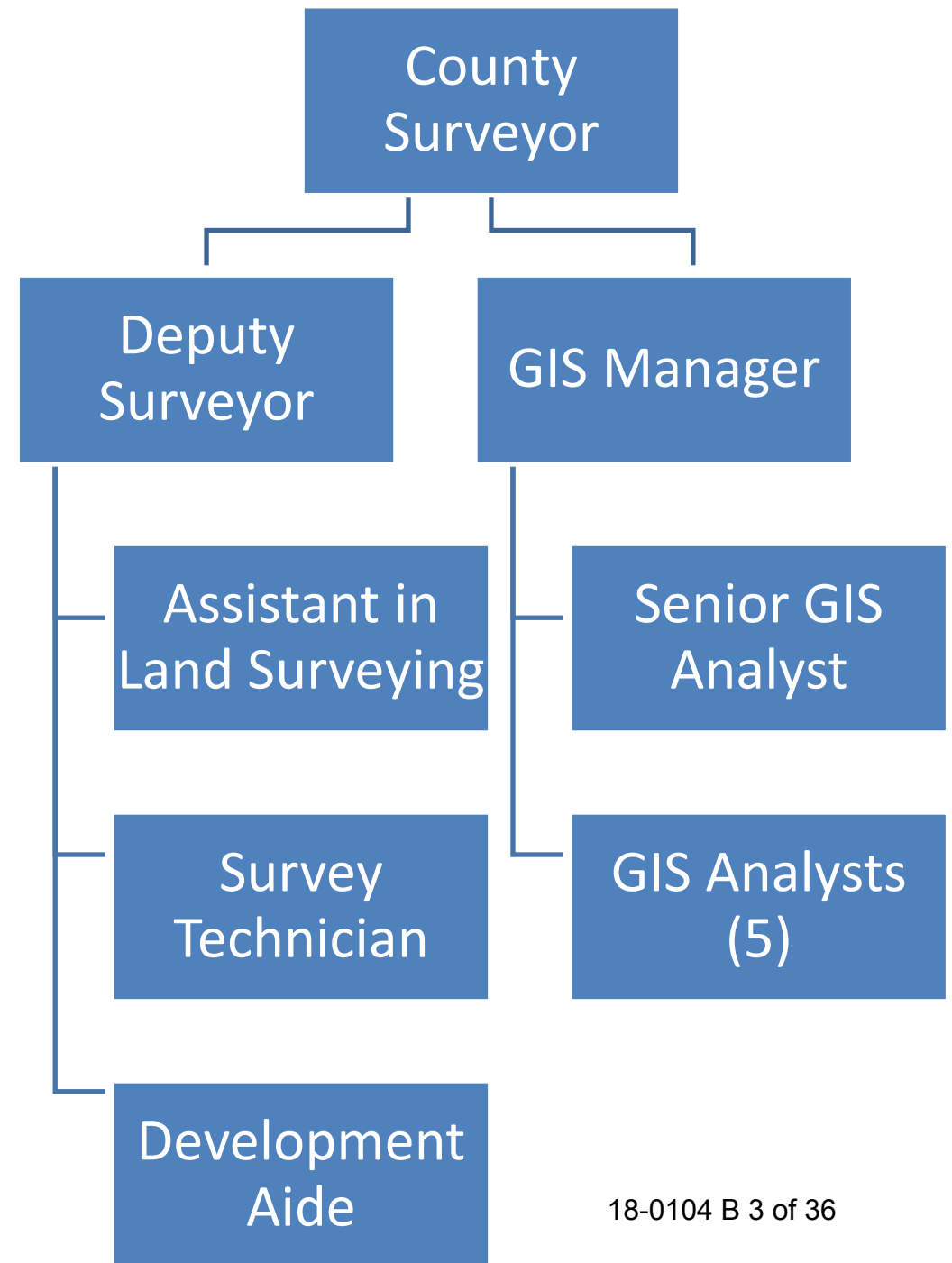
Geographic Information System Program

1. Maintain computerized maps of parcels, roads and political jurisdictions in El Dorado County
2. Deliver County and private projects



Department & Support Staff

- Land Survey Program
5 FTE
- Geographic Information Systems Program
7 FTE
- *CAO Financial Admin Staff, IT Programming & Database Staff*



Land Survey Program Responsibilities

Review all projects submitted

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



Land Survey Program Responsibilities

- 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

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

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

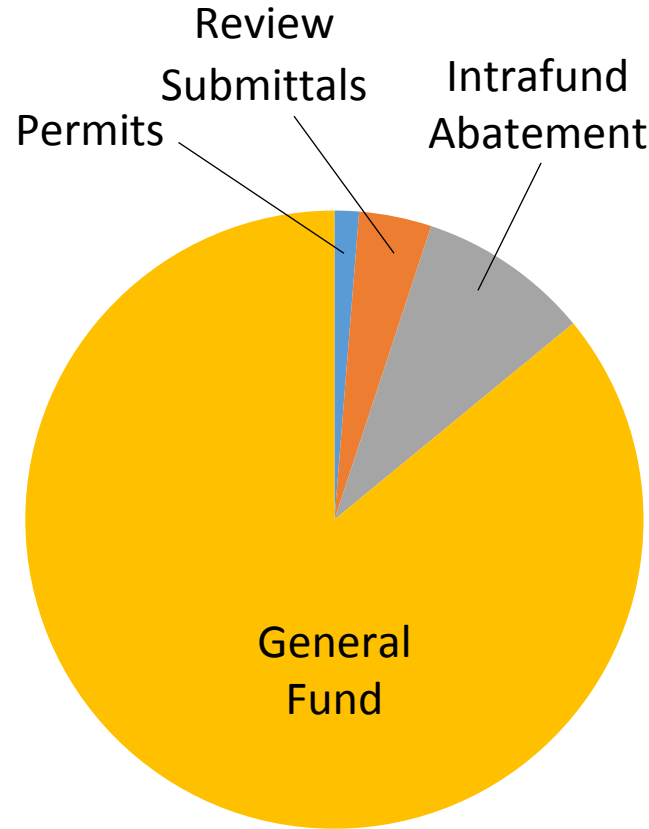
1. CA Government Codes
2. CA Code of Regulations: Board of Professional Engineers, Land Surveyors and Geologists
3. CA Business and Professions Code
4. CA Public Resources Code
5. CA Code of Civil Procedure
6. CA Penal Code
7. El Dorado County Code



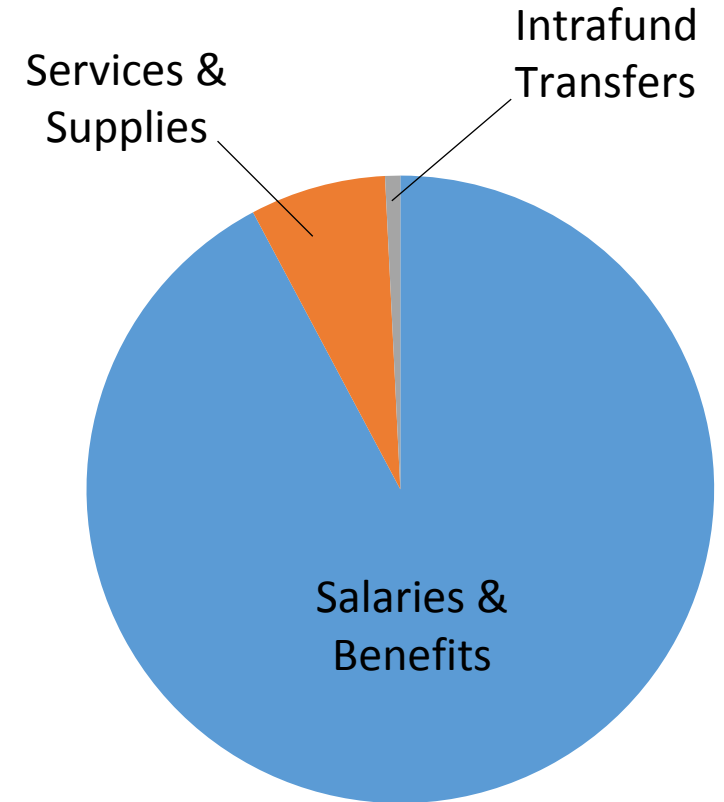
Surveyor's Office Budget: 2017-2018

Net cost to County

- Estimated \$1.5 million



2017-2018 CAO
Recommended Funding



2017-2018 CAO
Recommended Expenses



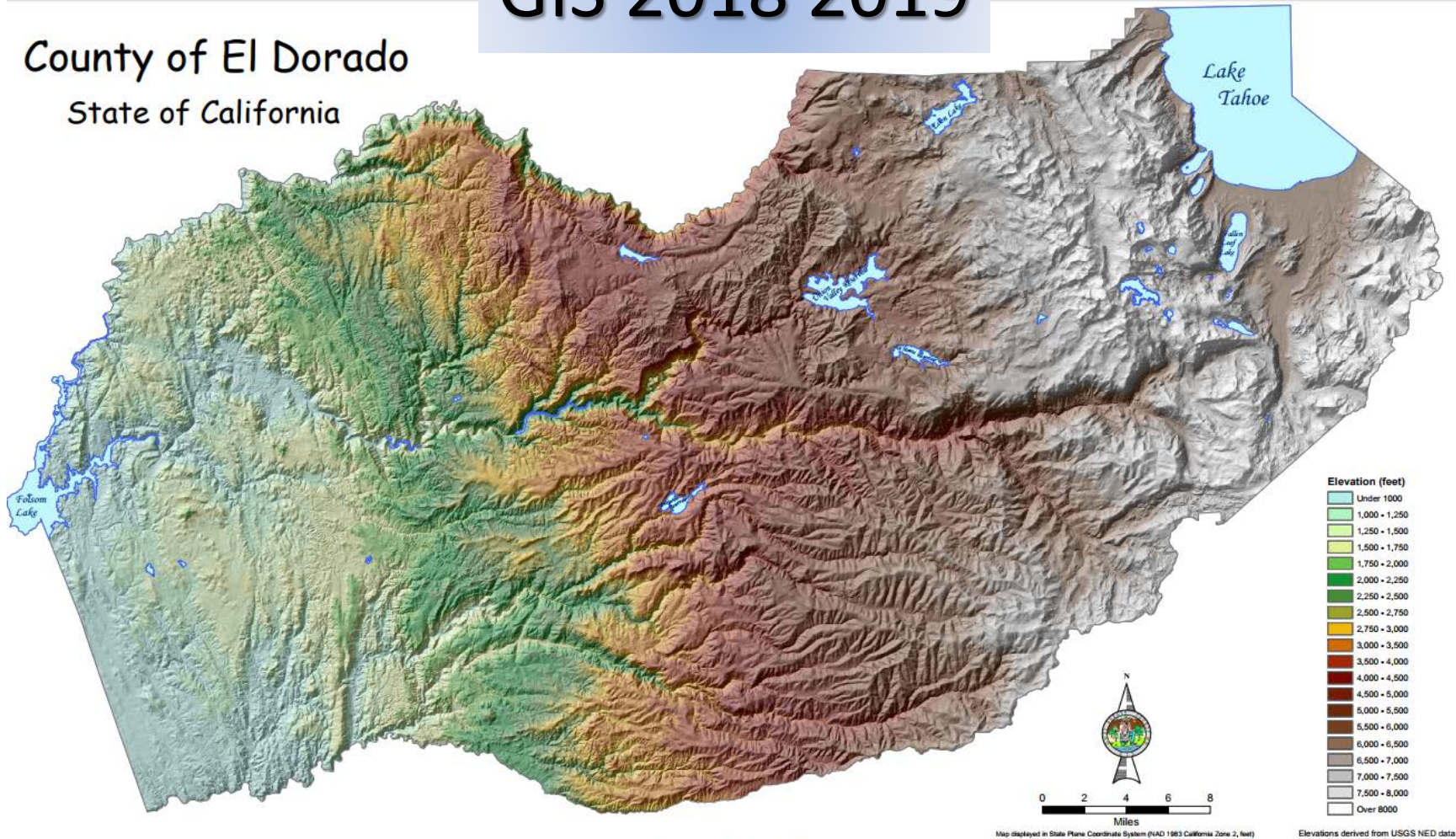
FY 2018-2019 Land Survey Program Goals

- Align Department procedures to incorporate new project management (TrackIT), Tax Administration (Megabyte), and financial (FENIX) systems
- Design & implement paperless map submittal and review system



GIS 2018 2019

County of El Dorado
State of California



“ . . . overall mission and goals for the coming budget year to inform and educate the Board on the County business and services we provide. . . ”

Maintenance: Land Management Information System - Mainframe

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L00      MODE: D      EL DORADO COUNTY
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LAND MANAGEMENT INFORMATION SYSTEM
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L01      =      LAND MAINTENANCE
T01      -      PERMITS
J01      -      PROJECT TRACKING
M01      -      TABLE MAINTENANCE
    
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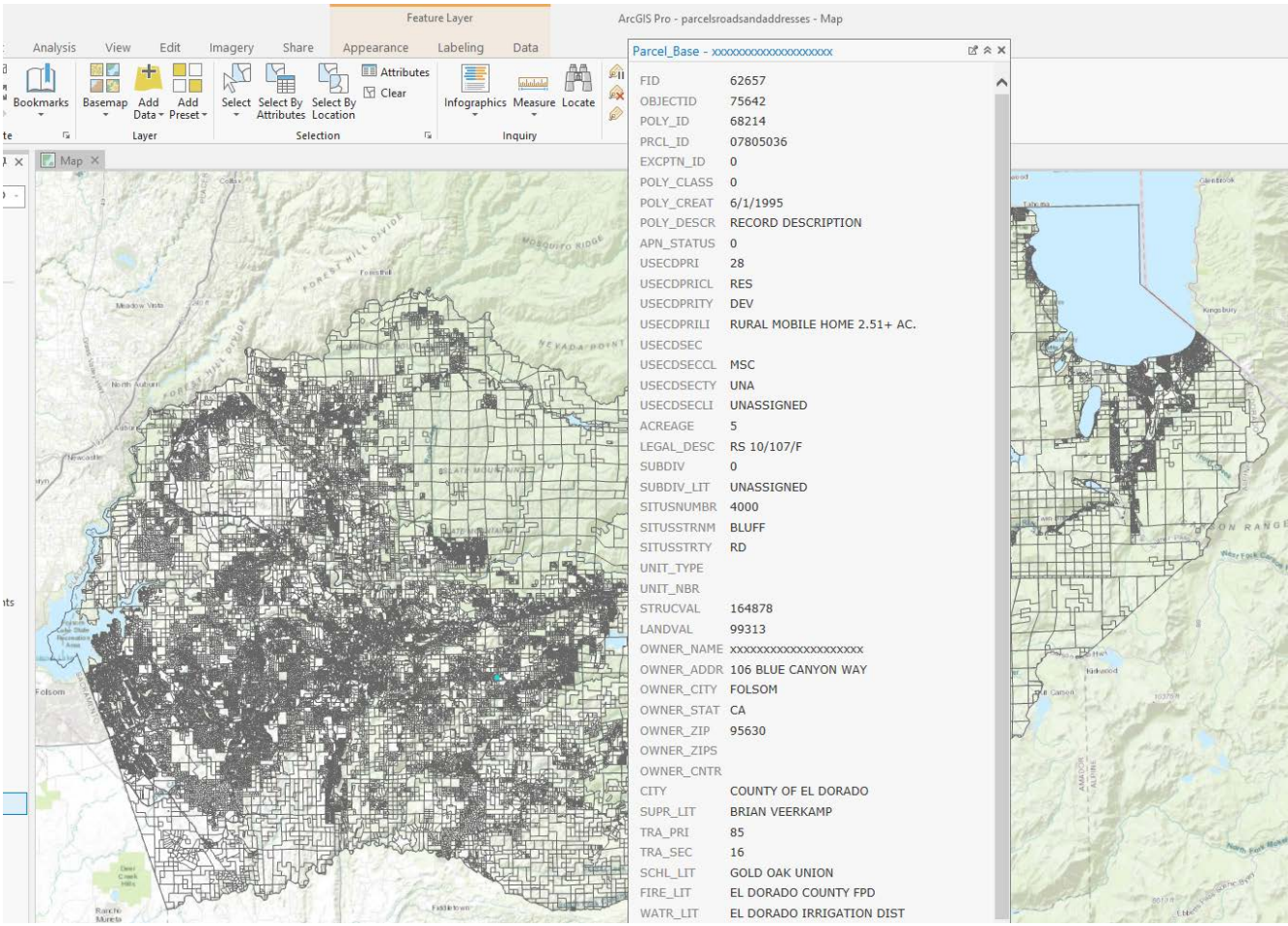
Public Safety	
Infrastructure	
Healthy Communities	
Economic Development	
Good Governance	

Permits, land divisions,
 Code enforcement, addressing,
 24 million rows
 485 tables
 1327 user accounts
 500 Million dollars in
 permit fees
 10 Billion dollars in permit
 valuation.

Mission: Maintain the core functionality of these LMIS components which are housed on unsupported systems until replacement applications are in place.

Goals FY 2018-2019: Support transition to Megabyte, TrakIT, and re-build missing functionality.

Maintenance: El Dorado County Parcel Base



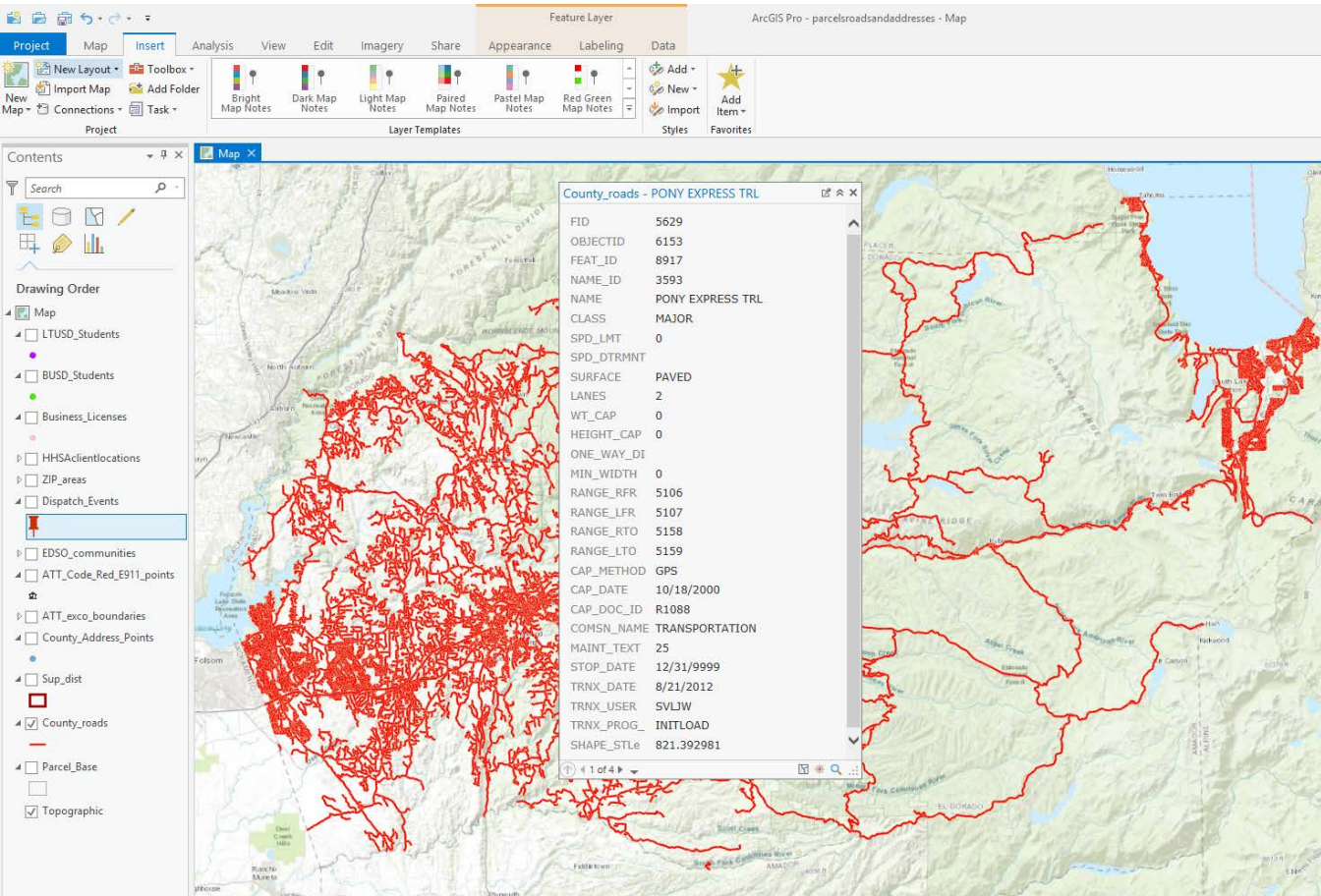
Public Safety	
Infrastructure	
Healthy Communities	
Economic Development	
Good Governance	

112,000 parcels.
 10+ years of history.
 Versions for Assessor,
 Planning, Recorder.
 Updated daily.

Mission: Maintain current and historical geometries of all parcels. Insure availability to internal and external clients; and provide framework for all parcel based processes and initiatives.

Goals FY 2018-2019: Automate the xref process, improve display performance.

Maintenance: El Dorado County Transportation Network



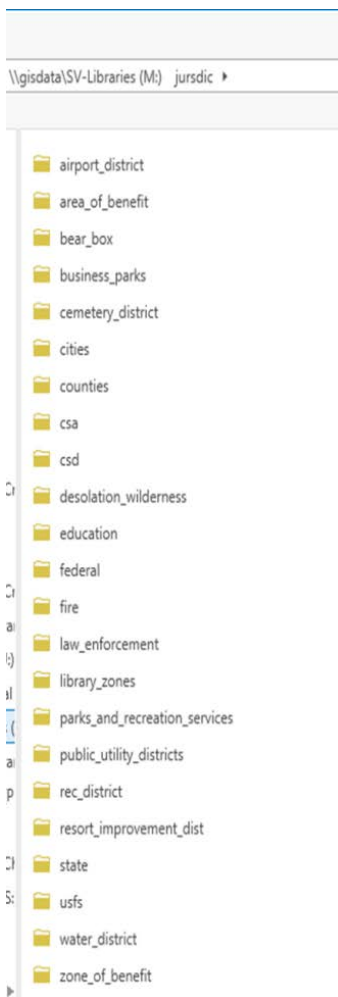
Public Safety	
Infrastructure	
Healthy Communities	
Economic Development	
Good Governance	

6,000 unique roads
 18,000 segments
 All roads: Federal, County, City, Agency, and private.
 Completely GPSd.
 Updated as needed.

Mission: Maintain current and highly accurate representations of the transportation networks in the County.

Goals FY 2018-2019: Improve manual attribute process and integration with addressing.

Maintenance: El Dorado County Jurisdictions and Geographies.



Geography Name
Adopted Plans
Ag. Districts
ATT exchange communities.
Attendance Areas
Basin Boundaries.
Bio Corridors
Census Boundaries
Community Plan Areas
Community Regions
Elevation
Fire Safe Councils
Hazards (fire, flood, soil,)
Historic Districts and Overlays
Mitigation Areas
Mo. Flat Districts
NOA
Oak Woodland
Parks (non -county)
PLSS
Precincts
Preserve Boundaries
Quake Zones
Rural Centers
Sheriff Event Communities
Sheriff Response Zones
Specific Plans
State and Federal Election Districts
TAZ
Townships Official and Customary
ZIP Codes

Public Safety	
Infrastructure	
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Good Governance	

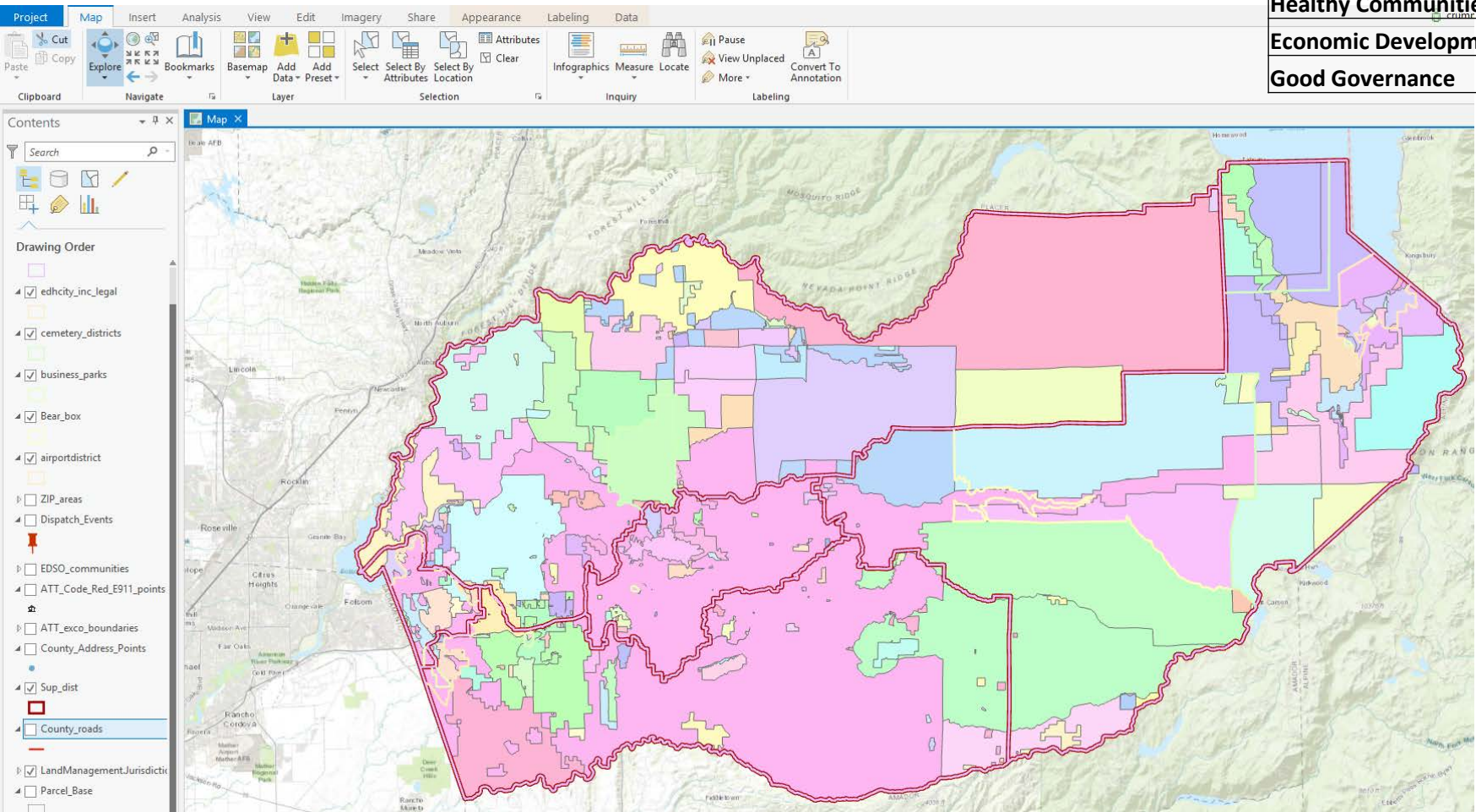
Areas of Benefit to Zip Codes.
 1289 Tax Boundaries. Critical to community identity.
 Used for locating addresses, noticing, elections, land use updates, zoning updates, redistricting, and permitting. And for city, school, fire, and water district administration.
 Updated as needed, often to sync with other GIS layers.

Mission: Maintain boundaries of cultural, environmental, tax, political, and planning areas so that events which impact these areas can be adequately assessed.

Goals FY 2018-2019: Move LMIS required to alternate platform, provide ability to define your own community.

Maintenance: El Dorado County Jurisdictions and Geographies.

Public Safety	
Infrastructure	
Healthy Communities	
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Good Governance	



Mission: Maintain boundaries of cultural, environmental, tax, political, and planning areas so that events which impact these areas can be adequately assessed.

Goals FY 2018-2019: Move LMIS required to alternate platform, provide ability to define your own community.

Maintenance: Land Management Information System – GIS SQL Server/GIS Libraries

http://edcnet/surveyor/gis_data.htm

Data Description	Server	Path	Filename or Folder
Address Base Maps	gisdata sv-libraries	transpt	addressbase.shp
Address Geo-Coding	gisdata sv-libraries	transpt address_locators	currroads20130618.loc
Adopted Plan	gisdata sv-libraries	parcel landuse	adpt_pln.shp
Aerials - flown 1997 (black & white)	gisdata sv-aerials	'Aerials_1997	Aerials_1997.gdb
Aerials - flown July 2003	gisdata sv-aerials	EIDorado-03	eldorado-03.map
Aerials - flown April 2004	gisdata sv-aerials	'WestEIDorado-04	westeldorado-custom-04.map
Aerials - flown January 2007	gisdata sv-aerials	EIDorado-07	eldorado-county-1R-0107_3596.map
Aerials - flown July 2011 thru March 2012	gisdata sv-aerials	'Aerials_2011	aerials2011.gdb
Aerials - flown May 2006 (Mr Sids)	gisdata sv-aerials	'Aerials_2006	FOLDER
Aerials - flown January 2007 (Mr Sids)	gisdata sv-aerials	'Aerials_2007	FOLDER
Aerials - NAIP 2014 (Mr Sid)	gisdata sv-aerials	'Aerials_2014	ortho_1-1_in_9_ca017_2014_1.sid
Ag Districts	gisdata sv-libraries	parcel landuse	agdist.shp
Ag Preserves	gisdata sv-libraries	parcel	agpreserve.shp
Airport - (cameron park)	gisdata sv-libraries	transpt	cpairport.shp
Airport Safety Zones	gisdata sv-libraries	transpt airports safety zones - 6-22-2012 Safety Zones	safety_zn.shp
Airports	gisdata sv-libraries	transpt	airport.shp
Alpine County (parcels)	gisdata sv-libraries	jurisdic\counties\alpine county	parcels_04.shp
Alpine County (roads)	gisdata sv-libraries	jurisdic\counties\alpine county	roads.shp
Amador County (parcels)	gisdata sv-libraries	jurisdic\counties\Amador County	Parcels.shp
Amador County (boundary)	gisdata sv-libraries	jurisdic\counties\Amador County	AmadorBoundary.shp
Amador County (city limits)	gisdata sv-libraries	jurisdic\counties\Amador County	CityLimits.shp
Areas of Benefit (aob)	gisdata sv-libraries	jurisdic\area_of_benefit	marble_valley_aob.shp
Asbestos	gisdata sv-libraries	surface NOA	FOLDER
Assessor Books Outline	gisdata sv-libraries	parcel	bkoutln.shp
Auburn Lake Trails - FSC (fire safe council)	gisdata sv-libraries	jurisdic\fire\Fire_Safe_Council	auburnlaketrails_fsc.shp
Bike Routes (2002)	gisdata sv-libraries	transpt	bikerts.shp
Bike Routes (2005)	gisdata sv-libraries	transpt	bike_rts_2005.shp
Bio Corridor	gisdata sv-libraries	surface\biology	bio_corr.shp
Bridges	gisdata sv-libraries	transpt	bridges.shp
Bus Routes	gisdata sv-libraries	transpt\transit	bus_routes.shp
Bus Stops	gisdata sv-libraries	transpt\transit	bus_stops.shp
Business Parks	gisdata sv-libraries	jurisdic\business_parks	business_parks.shp
C.D.F. Communities	gisdata sv-libraries	jurisdic\state	cdif_comm_83.shp
C.S.D.'s	gisdata sv-libraries	jurisdic\csd	csd.shp
California Counties	gisdata sv-libraries	jurisdic\state	ca_counties.shp
California Department of Fish and Wildlife (CDFW)	internet	https://www.wildlife.ca.gov/Data/GIS/Map-Services	

Public Safety	
Infrastructure	
Healthy Communities	
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Over 500 GIS layers.
 Over 250 tables and views.
 Hundreds of map services.
 Support virtually every County initiative and process.

Mission: Maintain database and file structures that promote data integrity, flexibility, share ability, and re-usability.

Goals FY 2018-2019: Improve accessibility by offering cloud based extract sites.

The screenshot shows a web browser window with the URL <http://edcapps.edcgov.us/maplibrary/html/mlallproj.html>. The page displays a grid of 10 project map thumbnails, each with a title and an original map date. The projects are:

- Project I.D.: GI0071229B**: El Dorado Hills Business Park with APN and all Landuse in R & D. Original Map Date: 10/16/2017.
- Project I.D.: GI0073180A**: Vacation Home Rentals West Slope Area. Original Map Date: 10/11/2017.
- Project I.D.: GI0073180B**: Vacation Home Rentals Tahoe Basin Area. Original Map Date: 10/11/2017.
- Project I.D.: GI0073179**: APN 023-151-37 City of South Lake Tahoe Area. Original Map Date: 10/10/2017.
- Project I.D.: GI0073178**: APN 109-010-03 Cameron Park Area. Original Map Date: 10/09/2017.
- Project I.D.: GI0073173**: Proposed Diamond Springs Underground Utility District. Original Map Date: 10/05/2017.
- Project I.D.: GI0073172**: Calendar Year 2018. Original Map Date: 10/03/2017.
- Project I.D.: GI0073170**: County Owned Properties that Intersect IBC or PCA Areas.
- Project I.D.: GI0073169**: Developed Residential Parcels. Original Map Date: 09/29/2017.
- Project I.D.: GI0073168**: Water Purveyors 2017. Original Map Date: 09/29/2017.

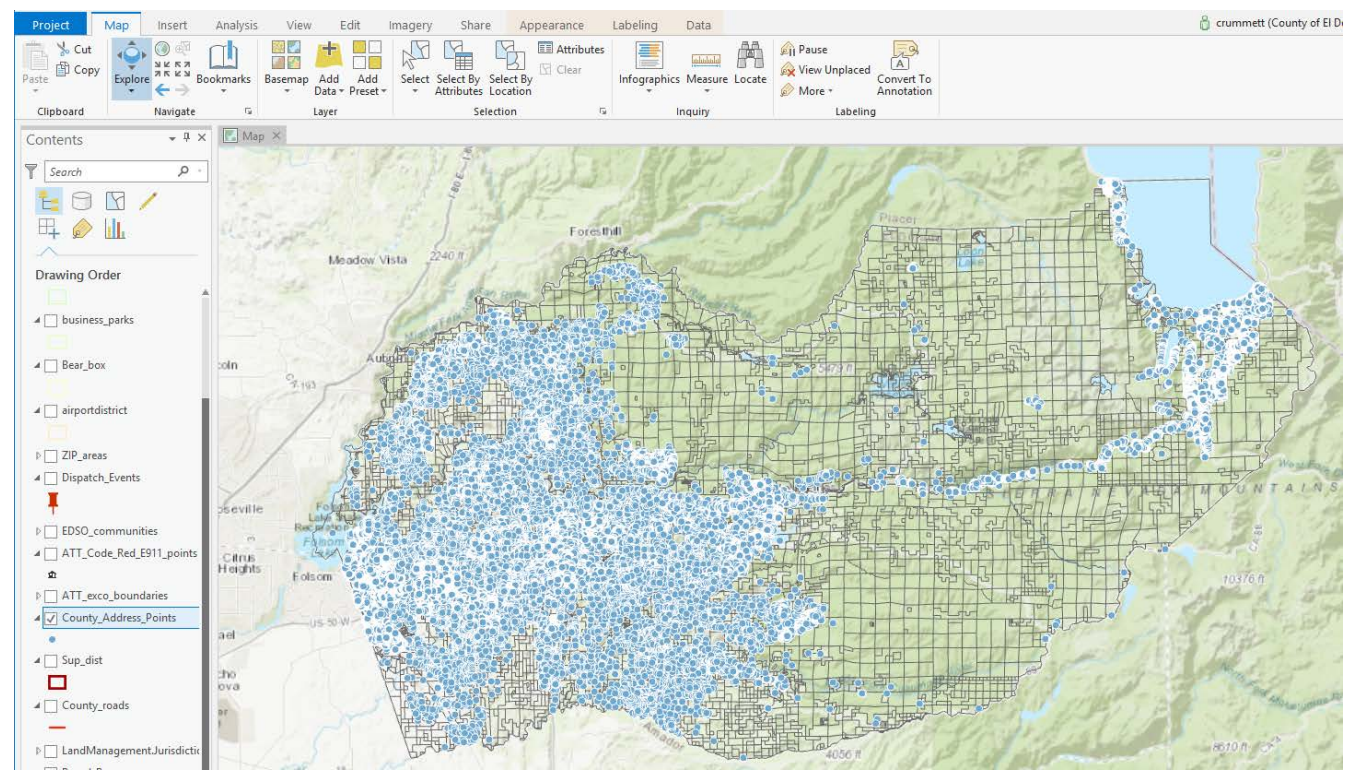
Public Safety	
Infrastructure	
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Good Governance	

5,000 maps

Mission: Maintain a secure repository for project maps that are easily accessible to internal and external clients.

Goals FY 2018-2019: Move images to the cloud, enhance search capabilities, reduce image sizes.

Data to Maps: County addresses to County parcels



Public Safety	<input type="checkbox"/>
Infrastructure	<input type="checkbox"/>
Healthy Communities	<input type="checkbox"/>
Economic Development	<input type="checkbox"/>
Good Governance	<input type="checkbox"/>

95,000 addresses.

“Current estimates of federal funding to California show a potential loss of \$18,000 over the next ten years for each *resident* missed.” State Census Data Center, California Department of Finance

Mission: Maintain and understand interrelated data relationships to make sure they can be used to present, understand, and solve problems for a variety of clients and applications.

Goals FY 2018-2019: Audit locator services to improve match accuracy, automate to sync with new parcel, road, and community outline changes.

Data to Maps: Code Red ATT addresses, ATT communities, x GIS road segments .

Phone	actn_code	hse_nbr	hse_sufx	Pre_dir	Str_name	sfx_dir	Community	co_code	State	ESN	svc_class	svc_type	EDSO	fu
	L	8020			MT AUKUM RD		MT AKM	9	CA	452	2	0	Mount Aukum	802
	L	4143			CEDAR AV		S LK TAHOE	9	CA	403	2	0	South Lake Tahoe	414
	L	2000			BOGUS POINT CT		COOL	9	CA	451	1	0	Cool	200

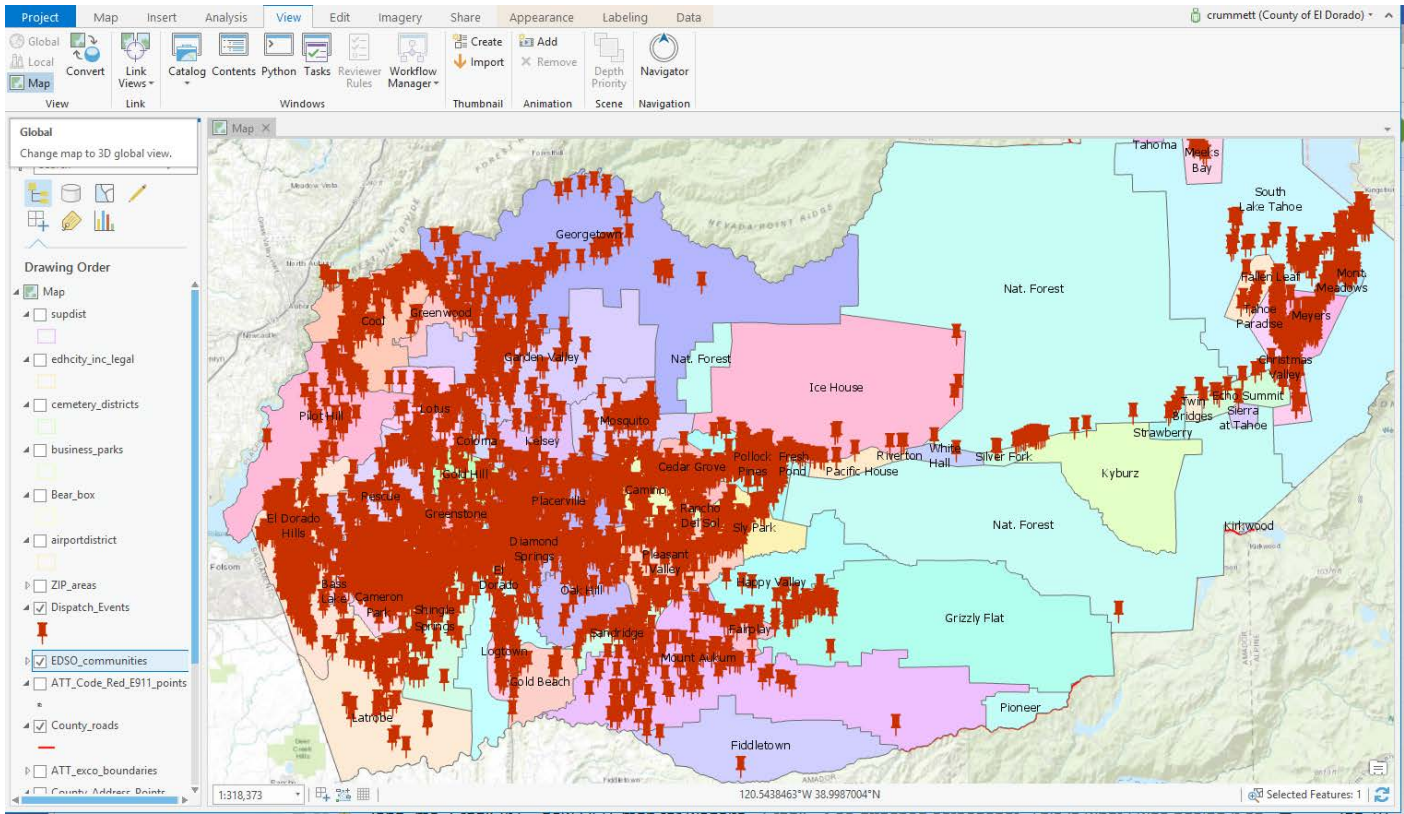
Public Safety	
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64,000 phone lines

Mission: Maintain and understand interrelated data relationships to make sure they can be used to present, understand, and solve problems for a variety of clients and applications.

Goals FY 2018-2019: Audit locator services to improve match accuracy, automate to sync with new parcel, road, and community outline changes.

Data to Maps: Dispatch Events, EDSO Communities, x GIS road segments



Public Safety	<input type="checkbox"/>
Infrastructure	<input type="checkbox"/>
Healthy Communities	<input type="checkbox"/>
Economic Development	<input type="checkbox"/>
Good Governance	<input type="checkbox"/>

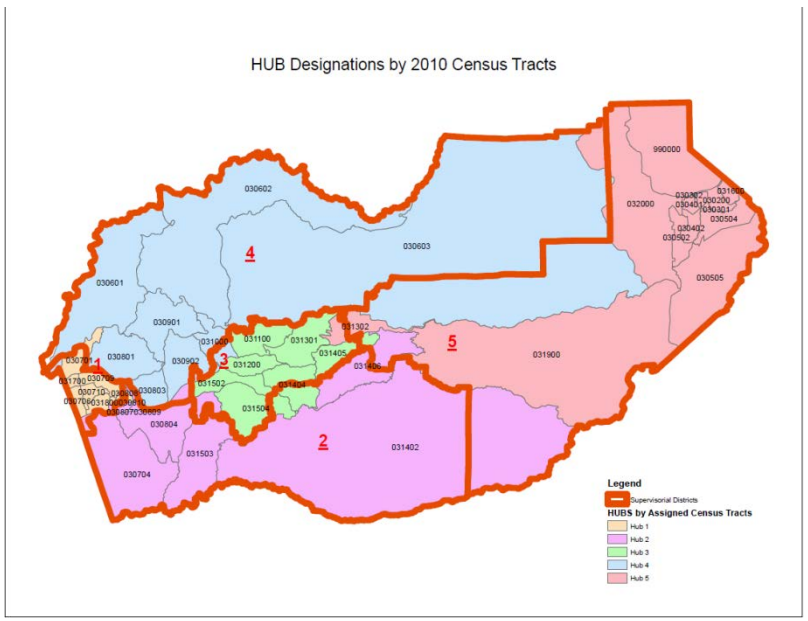
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Maps to Data To Reports: Census Blocks, to Community HUBs to Supervisor

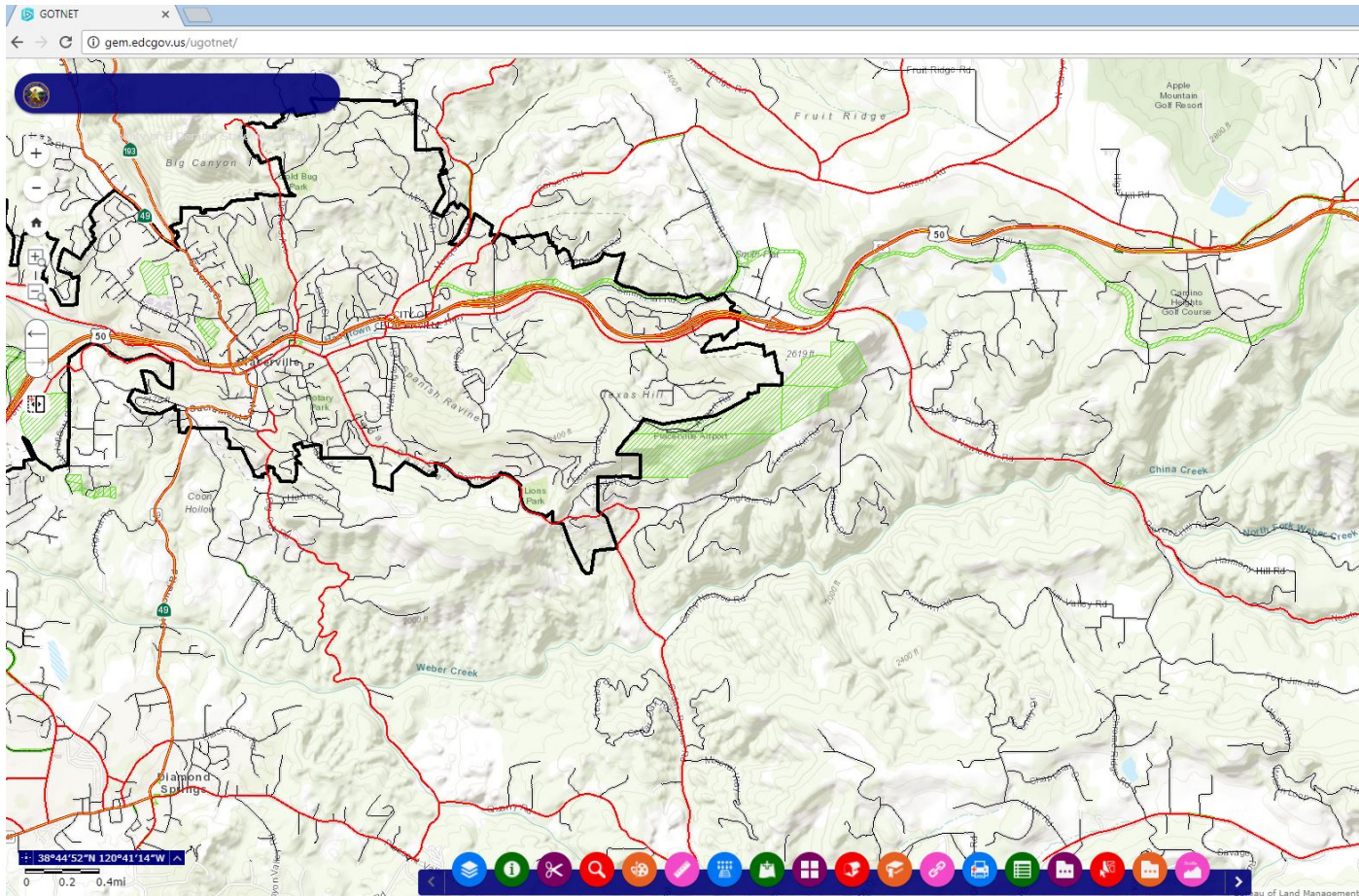
AGE	Hub 1	Hub 2	Hub 3	Hub 4	Hub 5	Grand Total
Total Population	39658	36809	30597	40718	54311	182993
Under Age 5	1975	1708	1375	1416	1903	8377
5 to 9	3965	3565	2885	2944	3947	15994
10 to 14	3675	2494	1324	2655	1544	11692
15 to 19	2609	3016	1638	2729	2042	12034
20 to 24	1899	1911	1846	1974	2901	10130
25 to 34	2612	3249	3692	3406	4549	17508
35 to 44	5131	3906	2824	4111	4408	20580
45 to 54	7204	5441	4604	6178	5169	29108
55 to 59	1139	1389	1760	2944	15800	15800
60 to 64	2628	2807	2733	3422	2973	14563
65 to 74	3394	4769	3409	4613	2904	18810
75 to 84	1329	1803	1973	2557	1090	8752
85 plus	499	590	926	1133	337	3485
VETERANS	Hub 1	Hub 2	Hub 3	Hub 4	Hub 5	Grand Total
Civilian population over age 18	28746	28932	25196	32997	27900	143861
Number of civilian veterans	2698	3208	2868	4440	2145	15519
LANGUAGE	Hub 1	Hub 2	Hub 3	Hub 4	Hub 5	Grand Total
Population 5 years and over	17811	18021	20222	39102	32408	127564
Speak a language other than English at home	6406	2714	2811	1178	7637	22748
Speak English less than "very well"	2595	1032	1083	938	3273	8921
GENDER	Hub 1	Hub 2	Hub 3	Hub 4	Hub 5	Grand Total
Male	20175	18061	15151	20158	17425	80970
Female	19483	18748	15446	20560	16886	91123
RACE/ETHNICITY	Hub 1	Hub 2	Hub 3	Hub 4	Hub 5	Grand Total
White	12460	13028	27418	17058	27143	127093
Black	695	421	185	93	892	1786
American Indian/Alaskan Native	87	416	452	410	200	1565
Hispanic	1819	984	964	640	1461	7199
Native Hawaiian/Other Pacific Islander	0	62	70	82	82	234
Two or More Races	1890	1449	923	1434	905	6601
Hispanic or Latino	3686	4086	3412	3248	4293	22719
White alone, Not Hispanic or Latino	35972	32729	27185	17470	26018	159374
DISABILITY	Hub 1	Hub 2	Hub 3	Hub 4	Hub 5	Grand Total
Non institutionalized population	39647	36781	29938	40576	54063	181005
Population with disability	2615	4771	4913	5454	4913	23066
Population under 18 with disability	238	383	200	281	147	1229
Population age 18-64 with disability	1140	2447	2175	2407	3019	11188
Population age 65+ with disability	1257	1941	2538	2766	1747	10249
HEALTH	Hub 1	Hub 2	Hub 3	Hub 4	Hub 5	Grand Total
Civilian non-institutionalized population	39647	36781	29938	40576	54063	181005
With health insurance coverage	17318	13249	20117	36223	27655	109461
With private health insurance coverage	15665	27435	20006	30988	21264	135358
With public health insurance coverage	7222	12242	12107	13717	11707	56995
No health insurance coverage	1438	1361	965	1385	1587	16038
Under age 6 with health insurance	2522	1900	1776	1735	2315	10248
Under age 6 with no health insurance	72	279	12	13	54	430
Age 6 to 17 with health insurance	8125	5175	5413	6014	3946	27196
Age 6 to 17 with no health insurance	133	587	149	271	257	893
HOUSEHOLD CHARACTERISTICS	Hub 1	Hub 2	Hub 3	Hub 4	Hub 5	Grand Total
Total households	12927	13682	11639	15254	13584	67086
Total family households	10787	10005	7338	11068	8076	47274
Average household size	3.09	2.69	2.59	2.66	2.28	2.60
Average family household size	3.40	3.10	3.13	3.09	2.81	3.06
Grandparents living with own grandchildren under age 18	342	414	359	472	382	1969
Grandparents responsible for grandchildren under age 18	15	145	125	126	61	524
Family households with own children under 18	5265	3554	3515	3322	17943	35747
Households with one or more people under 18	5400	3929	2649	4143	3627	19747
INCOME	Hub 1	Hub 2	Hub 3	Hub 4	Hub 5	Grand Total
Average of household median income	126313	77206	59577	73203	47401	72575
Average of household mean income	146224	62381	78237	90733	61541	89213
Average of family median income	133016	86521	74703	87057	58754	83871
Average of family mean income	154611	103955	92248	103010	72670	100602
Average of Per capita income	48501	35182	30874	32153	26039	33512
Average percent of families living in poverty	2.3%	6.6%	7.1%	5.2%	8.9%	6.4%
Average percent of children living in poverty	3.2%	16.5%	15.0%	13.9%	20.6%	13.8%
Average percent of people living 200% above poverty	over	over	over	over	over	over
Average unemployment rate	7.6%	11.5%	11.9%	10.2%	11.6%	11.0%
EDUCATION	Hub 1	Hub 2	Hub 3	Hub 4	Hub 5	Grand Total
Population 25 years and over	26136	25877	22729	29780	24374	138806
Less than 9th grade	548	582	545	397	1519	3591
9th to 12th grade, no diploma	430	1270	1510	1510	1511	6326
High school graduate or equivalent	3407	5953	6301	6636	5835	28132
Some college, no degree	5611	7238	6572	9444	7373	36237
Associate's degree	2620	2986	3107	3140	2904	13159
Bachelor's degree	8396	5108	5467	8424	4232	26827
Graduate or professional degree	5115	2623	1790	3186	1810	15474
High school graduate or higher	23449	24020	22873	27873	21144	118979
Bachelor's degree or higher	13511	7911	8653	6042	4151	41551

Public Safety	
Infrastructure	
Healthy Communities	
Economic Development	
Good Governance	



Mission: Maintain awareness of changes, data releases from Census, American Community Survey, American Fact Finder, SACOG, Cal. Dept. of Finance and understand relationship to County data resources.

Goals 2018 2019: Be prepared to respond to data requests from SACOG, US Census for 2020 census.

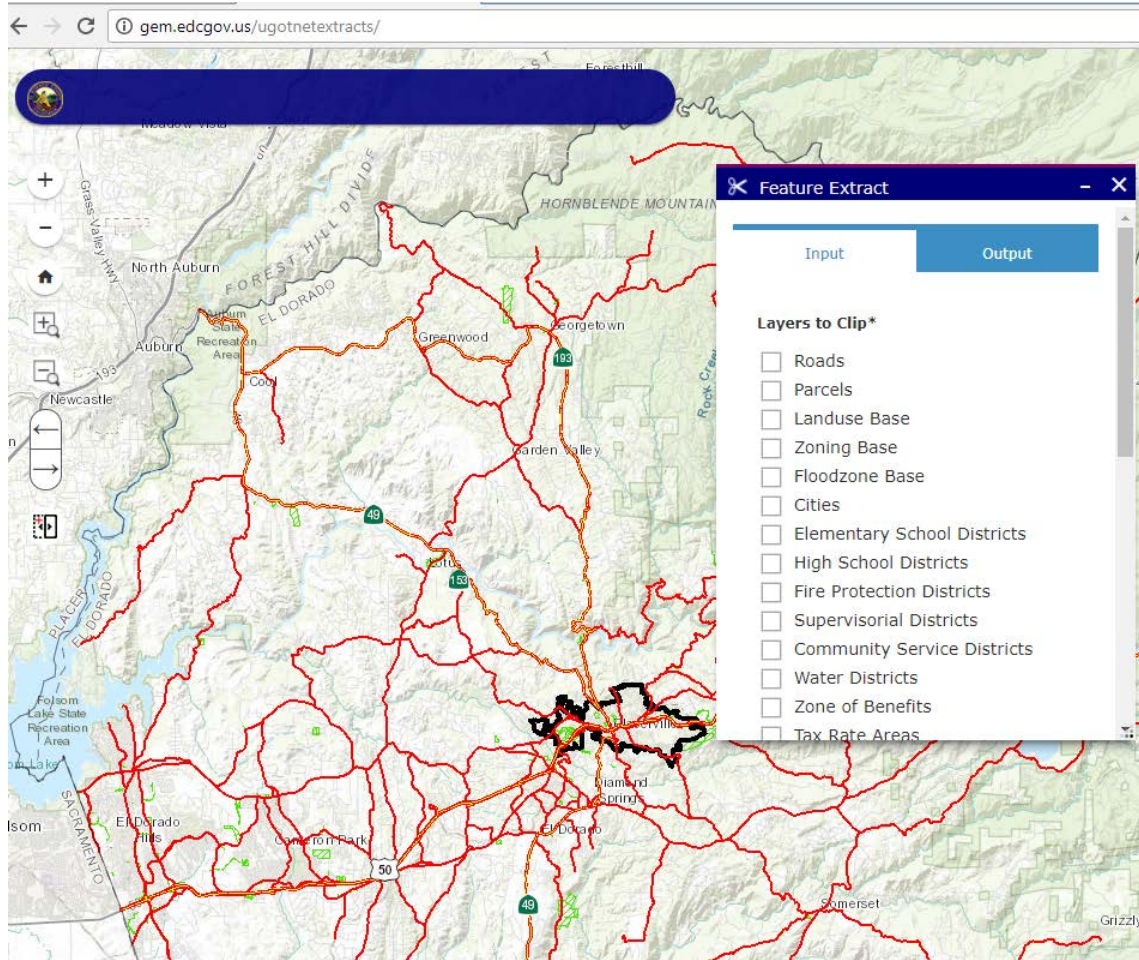


Public Safety	<input type="checkbox"/>
Infrastructure	<input type="checkbox"/>
Healthy Communities	<input type="checkbox"/>
Economic Development	<input type="checkbox"/>
Good Governance	<input type="checkbox"/>

13 Thematic Categories
 120 Layers
 19 Tool Boxes

Mission: Provide universal access to current, relevant, and actionable parcel information to the public, businesses, and public agencies.

Goals FY 2018-2019: Enhance print, search tools, voice activated interface, refocus application to provide only information we can provide consistently and reliably.

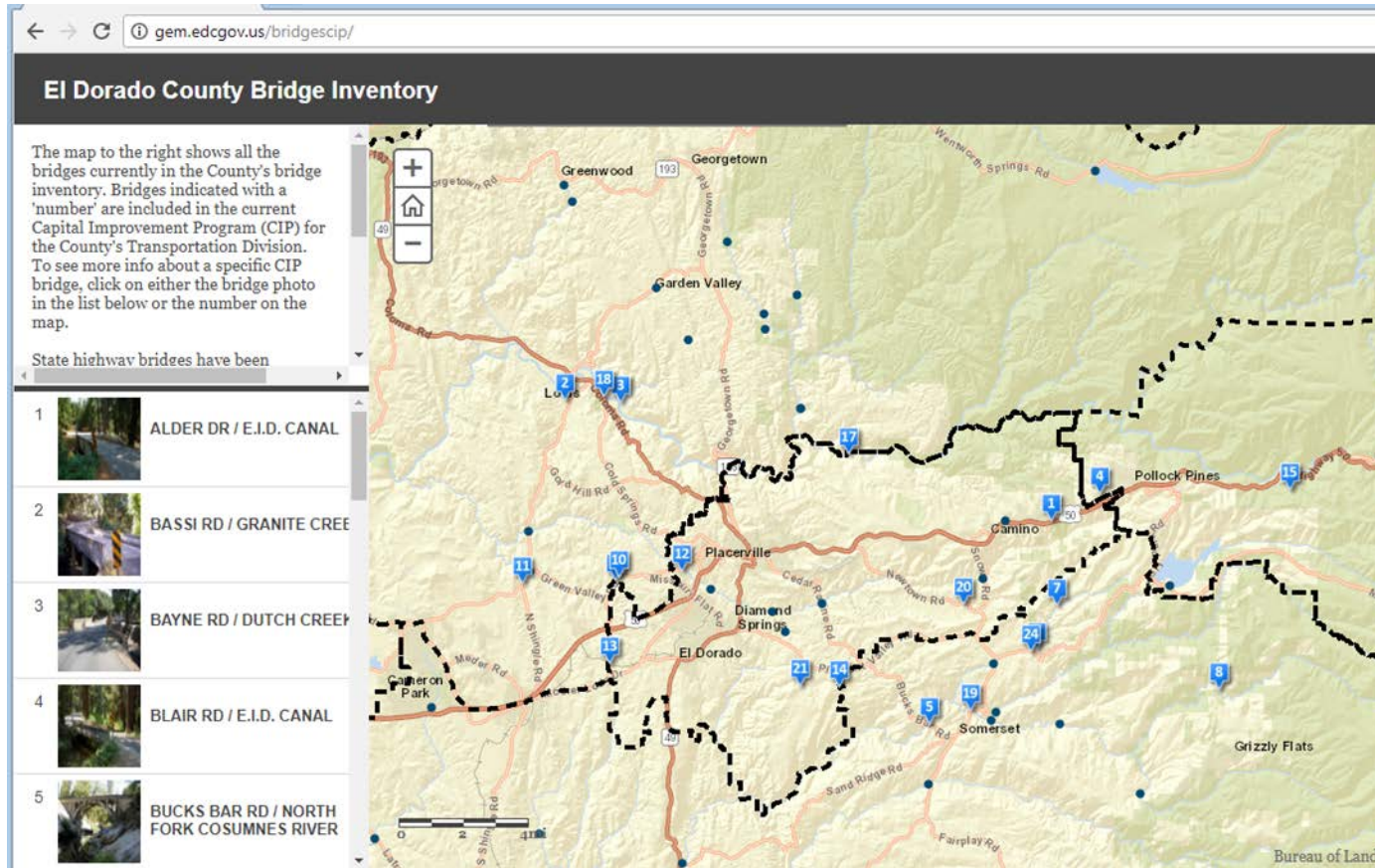


Public Safety	<input type="checkbox"/>
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EID, City of So. Lake Tahoe, SACOG, CAL Fire, STPUD, and many others use in operational work-flow.

Mission: Provide universal access to current, relevant, and actionable parcel information to the public, businesses, and public agencies.

Goals FY 2018-2019: Add layer and feature class metadata. Add revision dates.



Public Safety	<input type="checkbox"/>
Infrastructure	<input type="checkbox"/>
Healthy Communities	<input type="checkbox"/>
Economic Development	<input type="checkbox"/>
Good Governance	<input type="checkbox"/>

Lists both state and County bridge locations. CIP and non-CIP bridges.

Mission: Provide the public with information on infrastructure responsibility and maintenance plans.

Goals FY 2018-2019: Improve update process, change state data to hosted service if available, consolidate into CIP application.

County of El Dorado - CIP
 The Capital Improvement Program (CIP) serves as a strategic planning and implementation tool for the development, construction, rehabilitation and maintenance of the County's transportation infrastructure. This is an interactive map of the transportation capital improvement projects in the County's adopted 20-Year CIP. The blue lines on the map are locations of CIP projects. To find out about specific projects, click on a blue line and an info box about the project will display. To move around the map, click anywhere on the map, and hold the left mouse button and drag the map (left, right, up or down).

Project 71339
 Project Name: U.S. 50/Ponderosa Rd Interchange - N. Shingle Rd Realignment
 Project Details: This project includes: realignment of about 1/4 mile of North Shingle Road to about 600 feet north on Ponderosa Road; realignment of the westbound off-ramp to align with Wild Chaparral Drive; and signaling the new intersection. Realigned North Shingle Road will be two through lanes with turn pockets at the intersection. Part of a larger project for

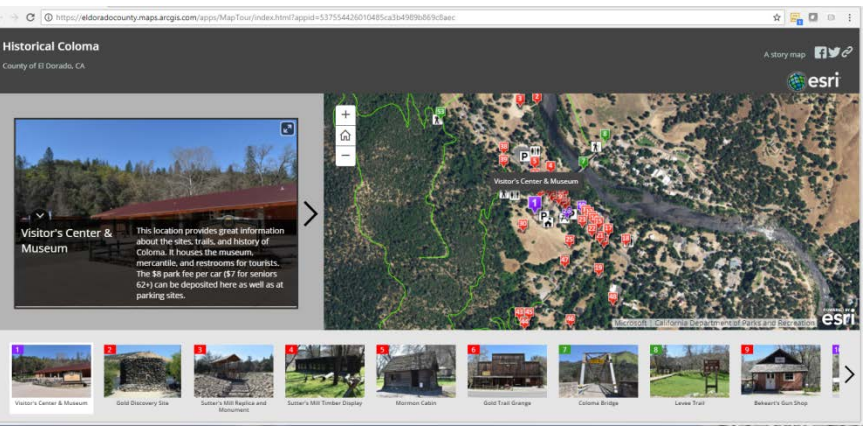
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Mission: Provide the public with information on infrastructure responsibility and maintenance plans.

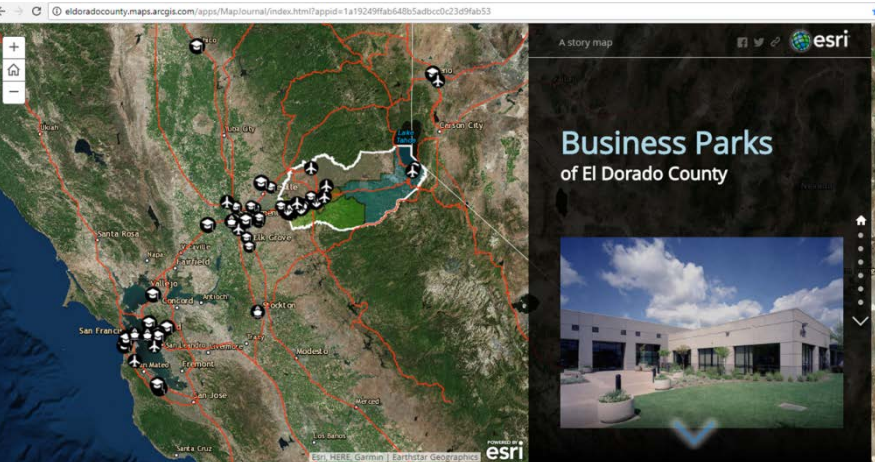
Goals FY 2018-2019: Consolidate application with bridges application, improve connection link to CIP database, add media (photos, video), improve search and reports.

Maps, assets, and community based Web GIS

<http://arcgis.com/2kn6yaO>

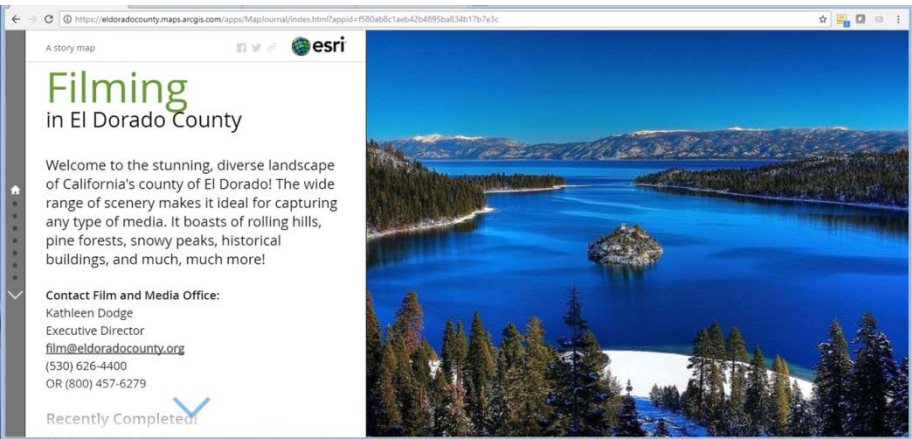


<http://arcgis.com/ST5yz>



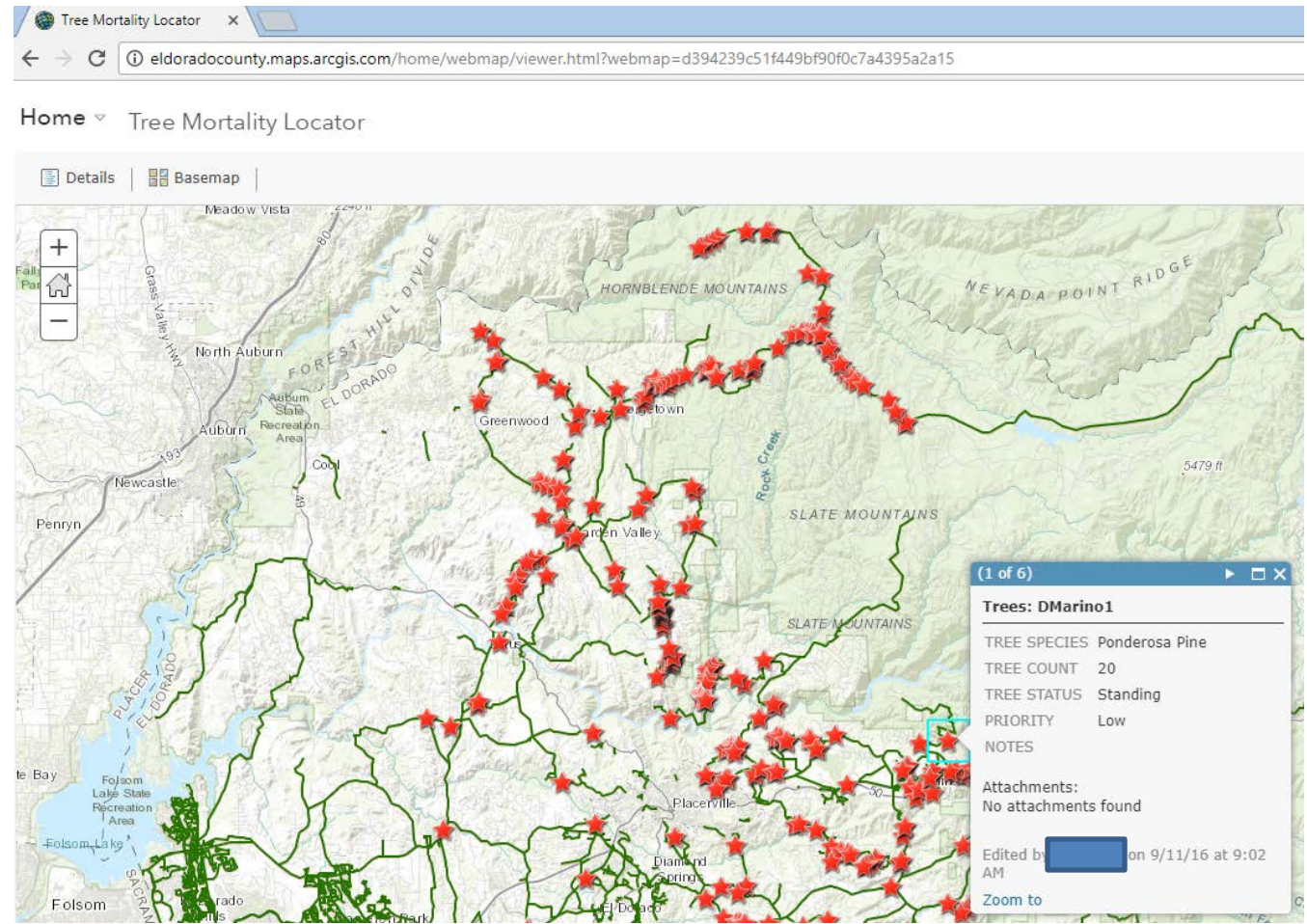
Public Safety	
Infrastructure	
Healthy Communities	
Economic Development	
Good Governance	

<https://arcgis.com/15qKv8>



Mission: Promote the County through Web based application that link location to our rich history, recreation, and commercial opportunities. Provide STEM opportunities for County youth while using County GIS resources as a foundation.

Goals FY 2018-2019:



Public Safety	
Infrastructure	
Healthy Communities	
Economic Development	
Good Governance	

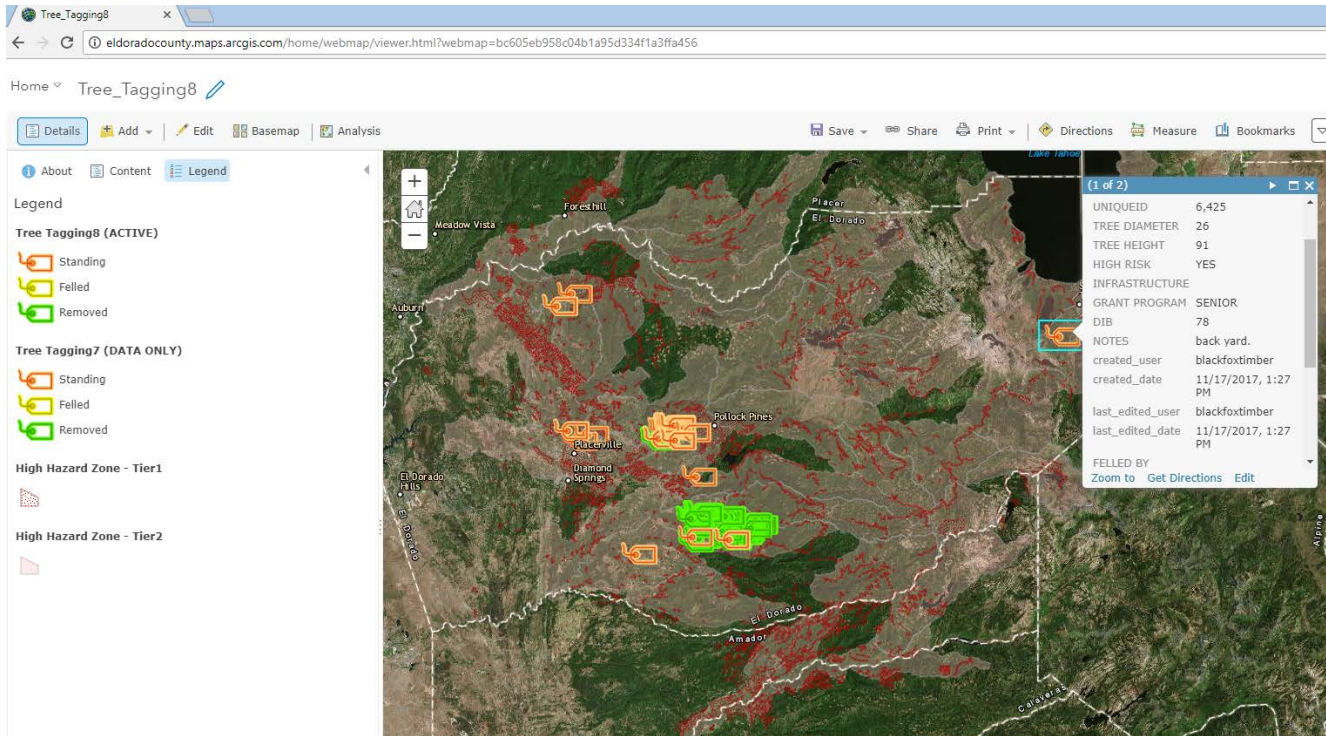
All county roads in elevation band inventoried.
 Application enhanced while crews in the field.
 Application “borrowed” by Amador County.

Mission: Provide a mobile application that allows for the efficient collection of required data in the absolute shortest amount of time.

Goals FY 2018-2019: Enhance as necessary.

Web GIS: Mobile work platforms and data collection:

Risk identification, reduction, and compensation.

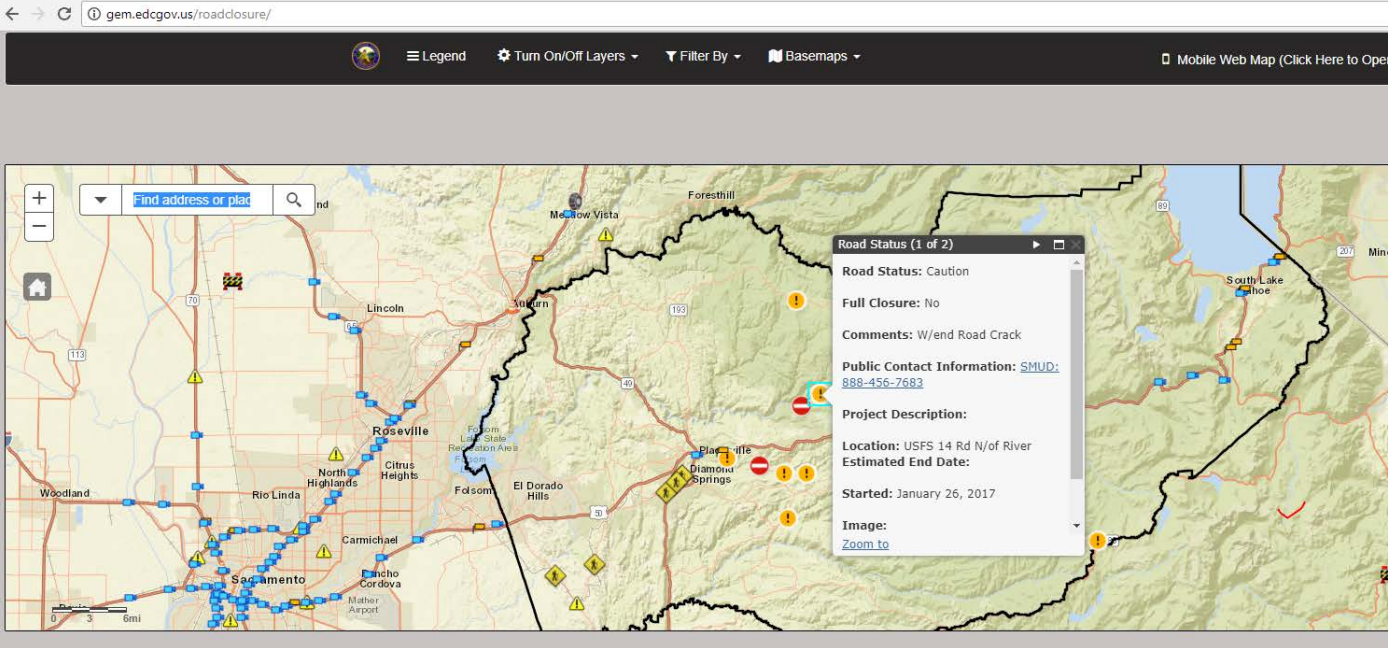


Public Safety	
Infrastructure	
Healthy Communities	
Economic Development	
Good Governance	

Mission: Provide Tree Mortality project manager, tree removal companies, and County with application to track the tagging, felling, disposal, and re-imburement for all trees removed.

Goals FY 2018-2019: Consolidate versioned databases, add project area boundaries, update state base layers with HHZ services when available.

Web GIS: Mobile work platforms and data collection: Risk identification and public notification.



Public Safety	
Infrastructure	
Healthy Communities	
Economic Development	
Good Governance	

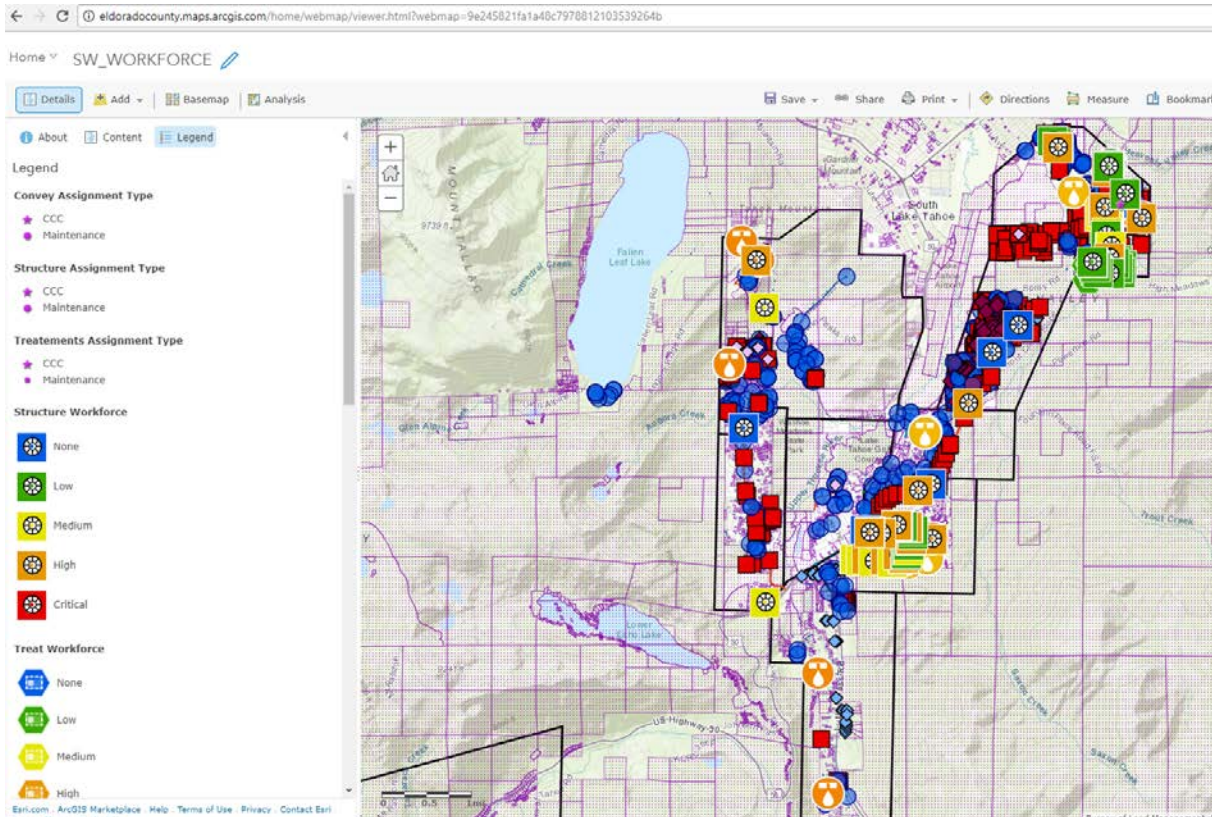
County OES, Parks,
DOT,
SMUD.
CHP and CalTrans
feeds
Updated every two
minutes.

Mission: Provide field application for identifying and reporting of hazardous transportation situations.

Goals FY 2018-2019: Improve photo capture and storage functions. Add feeds for WAZE, traffic volume, and additional agencies. Add notification functions for start and stop dates.

Web GIS: Mobile work platforms and data collection:

Risk identification and operational effectiveness.



Public Safety	
Infrastructure	
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Storm water infrastructure Tahoe Basin. Integrates inspection and workforce management. Trying to get 10 minute update intervals.

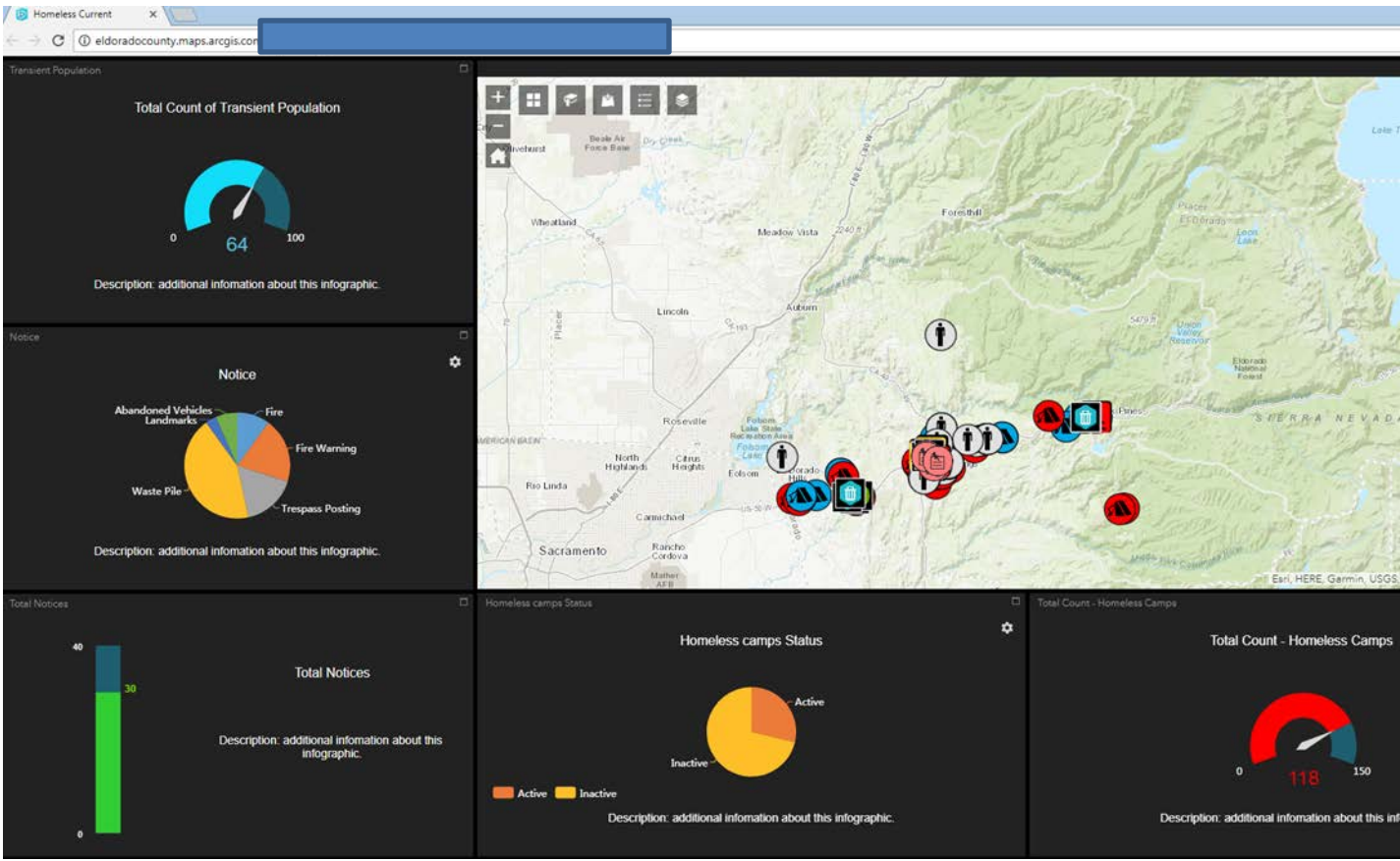
Mission: Provide field application for recording inspections, work performed, scheduling, analysis, and reporting .

Goals FY 2018-2019: Updated reports, move the application down the hill, re-engineer database architecture, complete integration with WorkForce.

GIS Web: Mobile work platforms and data collection:

Operational effectiveness and collaboration.

Public Safety	
Infrastructure	
Healthy Communities	
Economic Development	
Good Governance	



Field collection application wrapped in real time reporting dashboard.

Mission: Provide field application for recording interviews, documenting status, locating facilities, mapping camp perimeters, tracking movements, and advising of support agencies and outreach programs.

Goals FY 2018-2019: Enhance as required.

Summary:

GIS team is responsible for maintaining a vast, varied, and complex set of data resources.

These data are foundational for many critical County applications.

These data resources are critical to numerous external agencies.

Providing the public with “where” is critical to transparency and effectiveness.

Providing County staff with mobile collection, distribution, and storage applications is critical for a mobile, flexible, and effective work-force.

Keys to the future:

The existing GIS data foundation needs to be augmented with next generation data collection processes including: IoT, smart infrastructure, remote sensing, unmanned data collection, open data sources, mapping services , and image services.

The integration of and competency in managing new types of data and applications such as: LIDAR, 3D, Augmented Reality, Virtual Reality, updated aerials, Arc GIS Portal , Arc GIS Online, Arc GIS Open Data, Arc GIS Pro and Drone2Map needs to begin.

