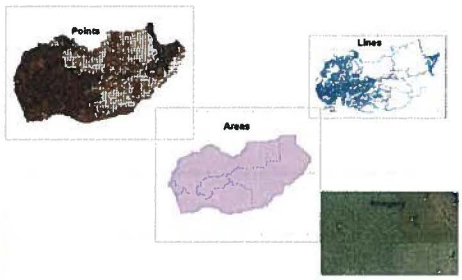
El Dorado County GIS - PAST

5/21/2013 County Surveyor 1

GIS gives location



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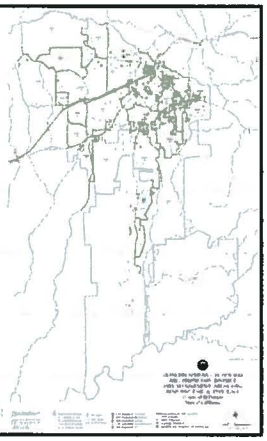
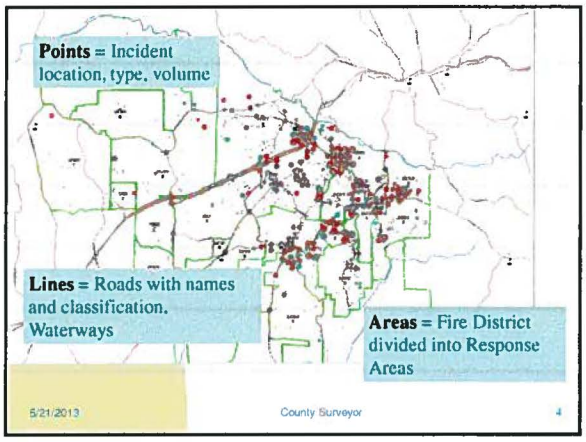
GIS adds meaning



5/21/2013 County



GIS needs support

- Hundreds and hundreds of files or themes.
- Files aren't multi-user.
- Maps are pictures in time.
- Work effort isn't re-usable.

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El Dorado County GIS - PRESENT

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Excerpt from slide presentation 2007

Future

Move to a geo-database.

Build 'services'.

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Geo-database PARCELS

- Parcels – everyone needs them, Planning, Assessor, Recorder all have different "views" of parcels.
- Geo-database – update once pull out "view"
- Supports history, can extract parcels by time period
- Can be shared and updated at same time

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Geo-database TRANSPORTATION

- Roads – everyone needs them, names, old and new, lanes 1, 2,3 4,5, 6, maybe 8.
- They get realigned, renamed, and re-addressed.
- Supports history, can extract roads by time period.
- Can be shared and updated at same time

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Geo-database JURISDICTIONS

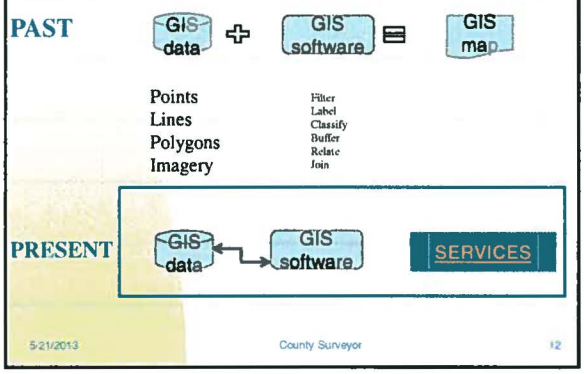
- EVERYONE IS IN ONE – City, CSA, ZOB, CSD, Fire, School, Utility, or Improvement districts.
- We can extract a "view" by type of district and even service provided.
- Supports history
- Can be shared and updated at same time

Geo-database

Geo-database needs support

- One database theme many "views"
- Database tables can be shared.
- They are dynamic.
- They are re-usable.

Services



Services

Link to data is dynamic- changes reflected in Service

Software operations are persistent – Services are Reusable

Services can be "exposed" locally or globally.

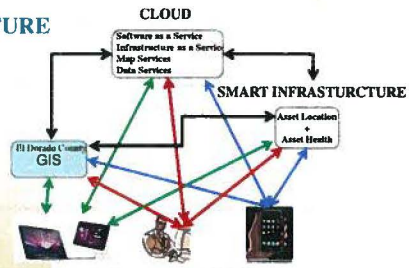
Exposed Services can be "consumed" in any mapping environment such as Google, Bing, ESRI, AutoDESK.

"Consumed" Services are used in web applications, internet, intranet, and mobile platforms.

El Dorado County GIS - FUTURE

GIS

FUTURE



Complex – Business Operations Anytime & Anyplace

GIS

FUTURE

Ad Hoc - Anyone & Anyplace

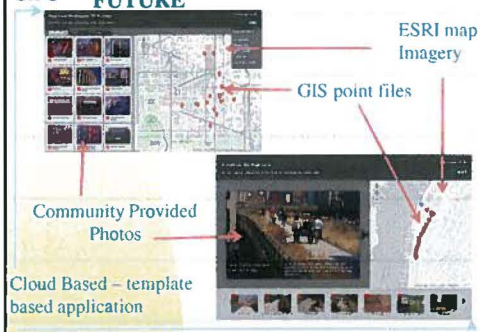
GIS

FUTURE

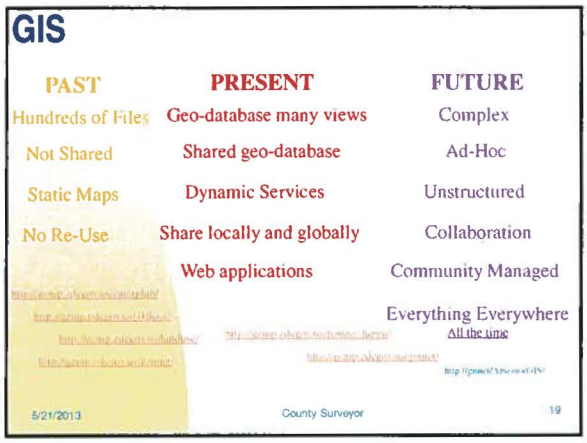
Collaboration – Anyone & Anytime

GIS

FUTURE



Community – Available Anytime


GIS
PAST
PRESENT
FUTURE
Hundreds of Files
Geo-database many views
Complex
Not Shared
Shared geo-database
Ad-Hoc
Static Maps
Dynamic Services
Unstructured
No Re-Use
Share locally and globally
Collaboration
Web applications
Community Managed
Everything Everywhere
All the time
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