

Every Trail Tells a Story

April 7, 2016

Track trails with GPS,
map in GIS, share using
ArcGIS Online for
mapping on the web.

California Trails and Greenways Conference

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Emmett Cartier, Outdoor Recreation Planner, U.S. Bureau of Reclamation





What is GPS?

Global Positioning System (GPS) is a satellite-based navigation system made up of a network of 24 satellites placed into orbit by the U.S. Department of Defense.



What is GIS?

Geographic Information Systems (GIS) gives us the ability to analyze, and interpret data from features on the earth, to inform decisions.

Features are digitally constructed of points, lines or polygons.



Trails (and Roads)

- ‘Pioneer Express Trail’ – 1 of 7 alignments
- ‘Western States Trail’ – per sticker on post
- ‘American Discovery Trail’ – per sticker on post
- ‘Shirland Canal Trail’ – per web page, book
- Maidu Drive (open, no crosswalks or signs)
- Pleasant Avenue (gated at each end)
(...and a cast of thousands...)



Trails

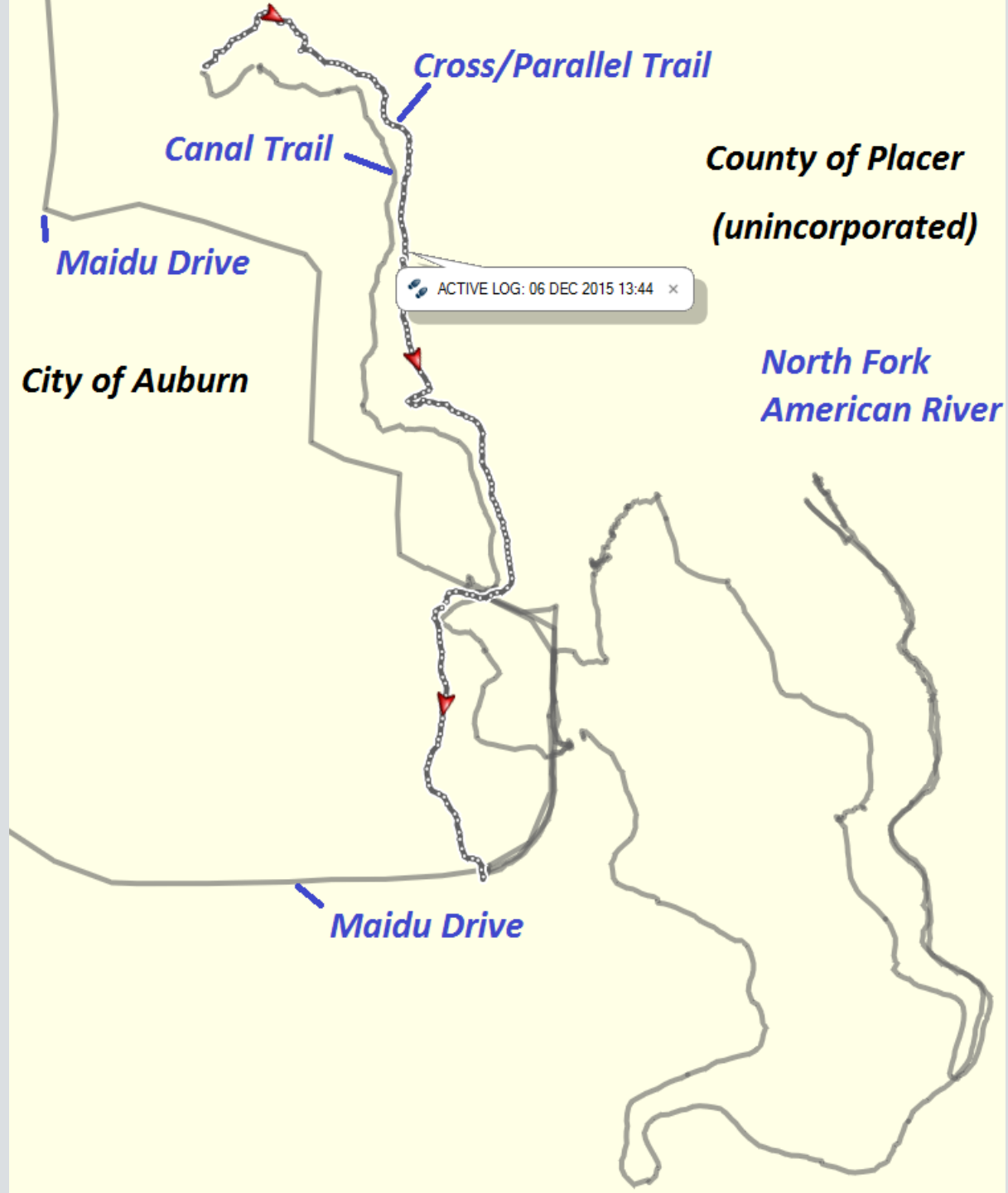
U.S. Bureau of Reclamation-acquired lands are managed under agreements with:

- Auburn Area Recreation and Park District (ARD)
- Calif. Dept. Parks and Recreation, Auburn State Recreation Area (ASRA)
- Placer County Water Agency (PCWA), Shirland Canal easement

Trails

	<u>Miles</u>	<u>Min.</u>	<u>Grade</u>
Canal Trail	1.2	28	0.8%
Cross Trail	1.4	40	-0.3%
Maidu Drive link	<u>0.2</u>	<u>7</u>	<u>-4.6%</u>
Totals	2.8	75	

Connect to: Western States NRT, Auburn-Cool Trail, Pacific Ave., Pleasant Ave., Pump Station Rd., Contour Rd., China Bar Rd.





GPS

- Garmin Foretrex 401 with wrist strap
- 10-second tracklog interval setting
- Geotag JPEG photos by Garmin BaseCamp
- Precision of 4 to 12 yards is typical
- Various cameras used: Nikon D7100, Canon SX230HS, Canon D10

GPS

ACTIVE LOG: 06 DEC 2015 13:44

Properties Graph Notes References

ACTIVE LOG: 06 DEC 2015 13:44

Summary

Points: 281
Distance: 1.4 mi
Area: 0.1 sq mi

Time

Elapsed Time: 0:46:43
Moving Time: 0:40:23
Stopped Time: 0:06:20

Speed

Avg: 1.9 mph
Avg Moving: 2.1 mph
Min: 0.0 mph
Max: 5 mph

Elevation

Min: 942 ft Ascent: 419 ft
Max: 1341 ft Descent: 442 ft
Grade: -0.3 %

Ind...	Elevation	Leg Distance	Leg Time	Leg Speed	Leg Course	Time	Position
1	1341 ft	13 ft	0:00:10	0.9 mph	263.7° true	12/6/2015 1:44:12 PM	N38 53.182 W121 04.372
2	942 ft	7 ft	0:00:10	0.5 mph	180.0° true	12/6/2015 1:44:22 PM	N38 53.182 W121 04.375
3	942 ft	3 ft	0:00:10	0.2 mph	302.5° true	12/6/2015 1:44:32 PM	N38 53.181 W121 04.375
4	943 ft	76 ft	0:00:10	5 mph	55.7° true	12/6/2015 1:44:42 PM	N38 53.181 W121 04.376
5	948 ft	46 ft	0:00:10	3.1 mph	4.3° true	12/6/2015 1:44:52 PM	N38 53.188 W121 04.362
6	951 ft	41 ft	0:00:10	2.8 mph	81.2° true	12/6/2015 1:45:02 PM	N38 53.196 W121 04.362
7	953 ft	45 ft	0:00:10	3.1 mph	45.6° true	12/6/2015 1:45:12 PM	N38 53.197 W121 04.353
8	955 ft	40 ft	0:00:10	2.7 mph	30.1° true	12/6/2015 1:45:22 PM	N38 53.202 W121 04.346
9	956 ft	41 ft	0:00:10	2.8 mph	67.8° true	12/6/2015 1:45:32 PM	N38 53.208 W121 04.342
10	959 ft	42 ft	0:00:10	2.9 mph	56.7° true	12/6/2015 1:45:42 PM	N38 53.210 W121 04.334
11	961 ft	33 ft	0:00:10	2.2 mph	58.1° true	12/6/2015 1:45:52 PM	N38 53.214 W121 04.327
12	962 ft	35 ft	0:00:10	2.4 mph	59.5° true	12/6/2015 1:46:02 PM	N38 53.217 W121 04.321
13	964 ft	39 ft	0:00:10	2.6 mph	22.1° true	12/6/2015 1:46:12 PM	N38 53.220 W121 04.315
14	966 ft	23 ft	0:00:10	1.6 mph	354.4° true	12/6/2015 1:46:22 PM	N38 53.226 W121 04.312

ArcGIS Toolbox

Conversion Tools: GPX to Features

ArcToolbox

- ArcToolbox
- + 3D Analyst
- + Analysis Tools
- + Cartography Tools
- Conversion Tools
 - + Excel
 - From GPS
 - GPX To Features
 - + From KML
 - + From PDF
 - + From Raster
 - + From WFS
 - + JSON
 - + Metadata
 - + To CAD
 - + To Collada
 - + To Coverage
 - + To dBASE
 - + To Geodatabase
 - + To KML
 - + To Raster
 - + To Shapefile



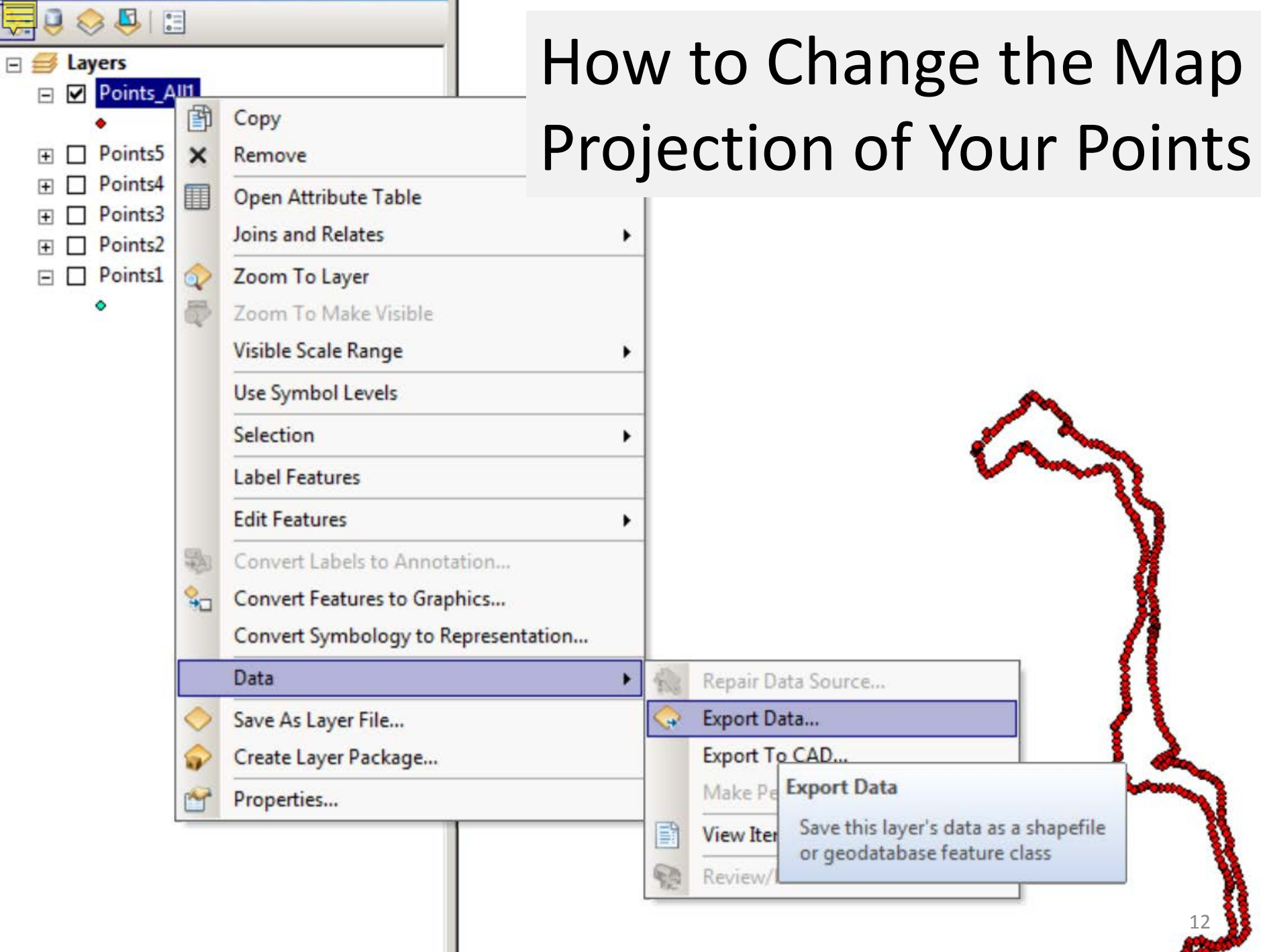
Map Points from GPS

The image displays the ArcGIS software interface, specifically the 'GPX To Features' tool. The tool's title bar reads 'GPX To Features'. The main window is divided into two panes. The left pane contains two input fields: 'Input GPX File' and 'Output Feature class', each with a browse button (represented by a folder icon with a plus sign). The right pane contains the tool's description: 'GPX To Features' and 'Converts GPX files into features.' Below the panes are buttons for 'OK', 'Cancel', 'Environments...', '<< Hide Help', and 'Tool Help'.

On the right side of the image, the 'ArcToolbox' is visible, showing a list of tool categories. The 'GPX To Features' tool is highlighted in blue. The categories listed are:

- ArcToolbox
 - 3D Analyst Tools
 - Analysis Tools
 - Cartography Tools
 - Conversion Tools
 - Excel
 - From GPS
 - GPX To Features**
 - From KML
 - From Raster
 - From WFS
 - JSON
 - Metadata
 - To CAD
 - To Collada
 - To Coverage
 - To dBASE
 - To Geodatabase
 - To KML
 - To Raster
 - To Shapefile
 - Data Interoperability Tools
 - Data Management Tools
 - Editing Tools
 - Geocoding Tools
 - Geostatistical Analyst Tools
 - Linear Referencing Tools
 - Multidimension Tools
 - Network Analyst Tools
 - Parcel Fabric Tools
 - Schematics Tools
 - Server Tools
 - Spatial Analyst Tools
 - Spatial Statistics Tools
 - Tracking Analyst Tools

How to Change the Map Projection of Your Points



The image shows a screenshot of the ArcGIS interface. On the left, the 'Layers' panel is visible, showing a list of layers: 'Points_All1' (checked), 'Points5', 'Points4', 'Points3', 'Points2', and 'Points1'. A context menu is open over the 'Points_All1' layer, listing various actions such as 'Copy', 'Remove', 'Open Attribute Table', 'Zoom To Layer', and 'Data'. The 'Data' option is highlighted, and a sub-menu is open, showing 'Export Data...' as the selected option. A tooltip for 'Export Data' is displayed, stating: 'Save this layer's data as a shapefile or geodatabase feature class'. On the right side of the map, a red line of points is visible, representing the data being exported.

Map Points in Google Earth

The screenshot displays the ArcGIS interface with two dialog boxes open. The 'Layer To KML' dialog box is in the foreground, showing the following settings:

- Layer: Points_All2
- Output File: H:\ArcGIS\Points_All2_LayerToKML.kmz
- Layer Output Scale (optional): 0
- Clamped features to ground (optional)

The 'Output File' section contains the text: "The KML file to write. This file is compressed and has a .kmz extension. It can be read by any KML client including ArcGIS Explorer, ArcGlobe, and Google Earth."

The 'Save As' dialog box is also open, showing the following details:

- Save in: TrailsConference
- File list:

Name	Date modified	Type
GPSpoints.gdb	12/15/2015 2:43 PM	File folder
- File name: Points_All2_KML
- Save as type: File

The ArcToolbox is visible in the background, listing various tool categories such as 3D Analyst Tools, Analysis Tools, Cartography Tools, Conversion Tools, Excel, From GPS, Network Analyst Tools, Parcel Fabric Tools, Schematics Tools, Server Tools, Spatial Analyst Tools, Spatial Statistics Tools, and Tracking Analyst Tools.

Map Points from Photographs

GeoTagged Photos To Points

Input Folder
H:\GIS\GPS\TrailsConference\Photos

Output Feature Class
\\GVPWGDB\EGIS_Users\2.User_Projects\HWDD\Data\TrailsConference\GPSpoints.gdb\PhotoPts2

Invalid Photos Table (optional)
\\GVPWGDB\EGIS_Users\2.User_Projects\HWDD\Data\TrailsConference\GPSpoints.gdb\InvalidPhotoList2

Include Non-Geo Tagged Photos (optional)

Add Photos As Attachments (optional)

Invalid Photos Table (optional)

The optional output table that will list any photo files in the input folder with invalid Exif metadata or empty GPS coordinates.

If no path is specified, this table will not be created.

OK Cancel Environments... << Hide Help Tool Help

Map Points from Photographs

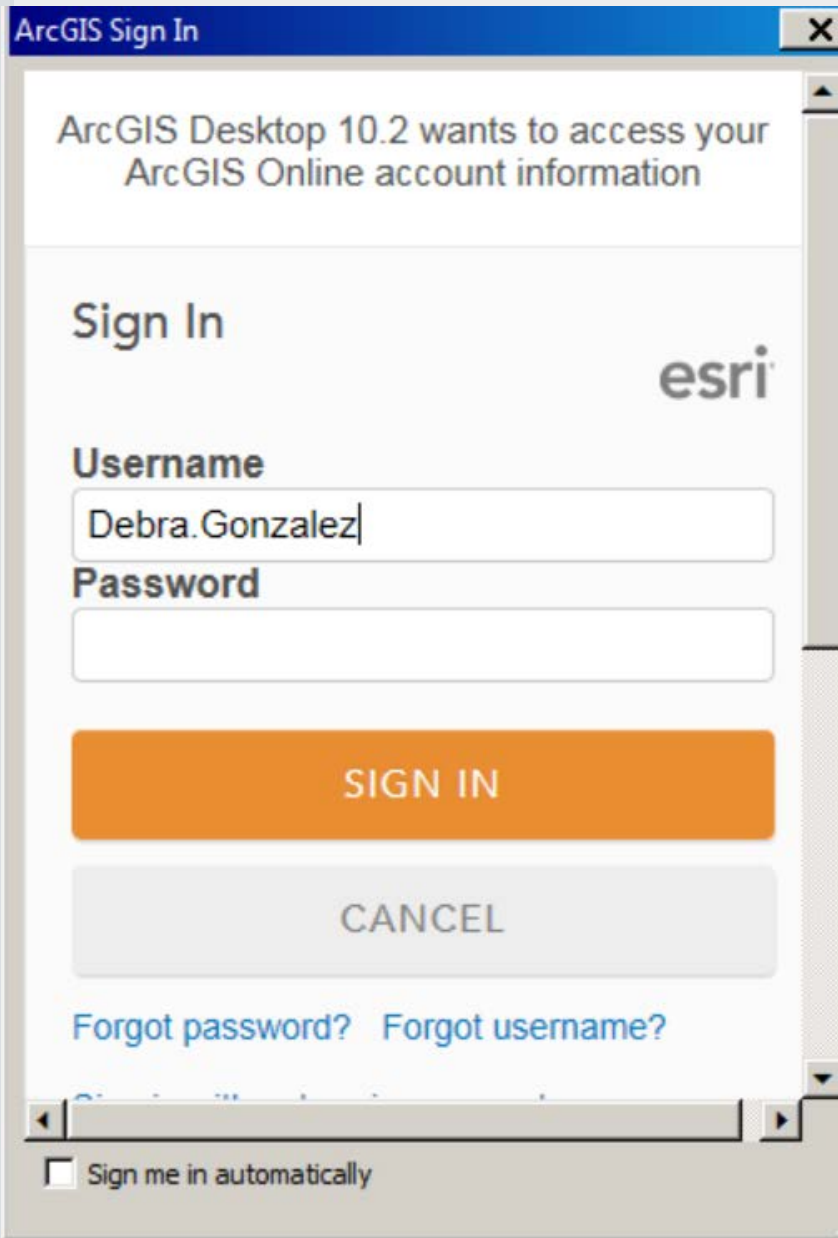
The image is a screenshot of a GIS application interface, likely ArcGIS, showing a map with points and a photo viewer window. The main map area displays a trail with several points marked along it. Three points are highlighted in yellow, and blue arrows point to them from the right. The photo viewer window, titled 'IMG_6442 - Windows Photo Viewer', shows a photograph of a dirt trail in a wooded area. The photo viewer has a menu bar with 'File', 'Print', 'E-mail', 'Burn', and 'Open'. The GIS interface includes a menu bar (File, Edit, View, Bookmarks, Insert, Selection, Geoprocessing, Windows, Help), a toolbar, a Table of Contents, and a Layers panel. The Layers panel shows a project file named 'TrailsConference\GPSpoints.gdb' with two layers: 'PhotoPts' and 'Points_All2'. The photo viewer window is positioned over the map, showing the photo of the trail. The map area shows a trail with several points marked along it. Three points are highlighted in yellow, and blue arrows point to them from the right. The photo viewer window has a menu bar with 'File', 'Print', 'E-mail', 'Burn', and 'Open'. The GIS interface includes a menu bar (File, Edit, View, Bookmarks, Insert, Selection, Geoprocessing, Windows, Help), a toolbar, a Table of Contents, and a Layers panel. The Layers panel shows a project file named 'TrailsConference\GPSpoints.gdb' with two layers: 'PhotoPts' and 'Points_All2'. The photo viewer window is positioned over the map, showing the photo of the trail.



Why ArcGIS Online?


- ArcMap layer-to-feature service
 - Interactive (each feature has attribute data)
 - Inventory of amenities on a trail
 - Signage
 - Management or user concerns
 - Specific point of interest
- Archive
- History
- Feature Service to Story Map

Map Features on the Web



ArcGIS Sign In

ArcGIS Desktop 10.2 wants to access your ArcGIS Online account information

Sign In 

Username
Debra.Gonzalez|

Password

SIGN IN

CANCEL

[Forgot password?](#) [Forgot username?](#)

Sign me in automatically

(Features are points, lines, and polygons)

Share a Service (Feature)

The screenshot displays the ArcGIS Desktop interface. The 'File' menu is open, showing the 'Share As' option. A tooltip for 'Share As' is visible, indicating that the user can publish the map as a service on the web using either ArcGIS Server or ArcGIS Online. The map in the background shows a blue boundary and green points, representing a service feature.

File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help

New... Ctrl+N

Open... Ctrl+O

Save Ctrl+S

Save As...

Save A Copy...

Share As

Map Package...

Service...

Add Data

Sign Out - Debra.Gonzalez

ArcGIS Online...

Page and Print Setup...

Print Preview...

Print...

Export Map...

Analyze Map...

Map Document Properties...

1 ...\NeedsAssessment_MS...

2 ...\NeedsAssessment_MS...

3 ...\NeedsAssessment_MS...

4 ...\NeedsAssessment_MS...

5 C:\...\GroupingAnalysis.mxd

6 ...\NeedsAssessmentDAT...

7 ...\NeedsAssessment_MS...

8 ...\NeedsAssessment_Hot...

9 C:\Users\...\DataPrep.mxd

Exit Alt+F4

Service

Publish this map as a service on the web using either ArcGIS Server or ArcGIS Online. This command is disabled if you are currently in Layout view.

1:20,841

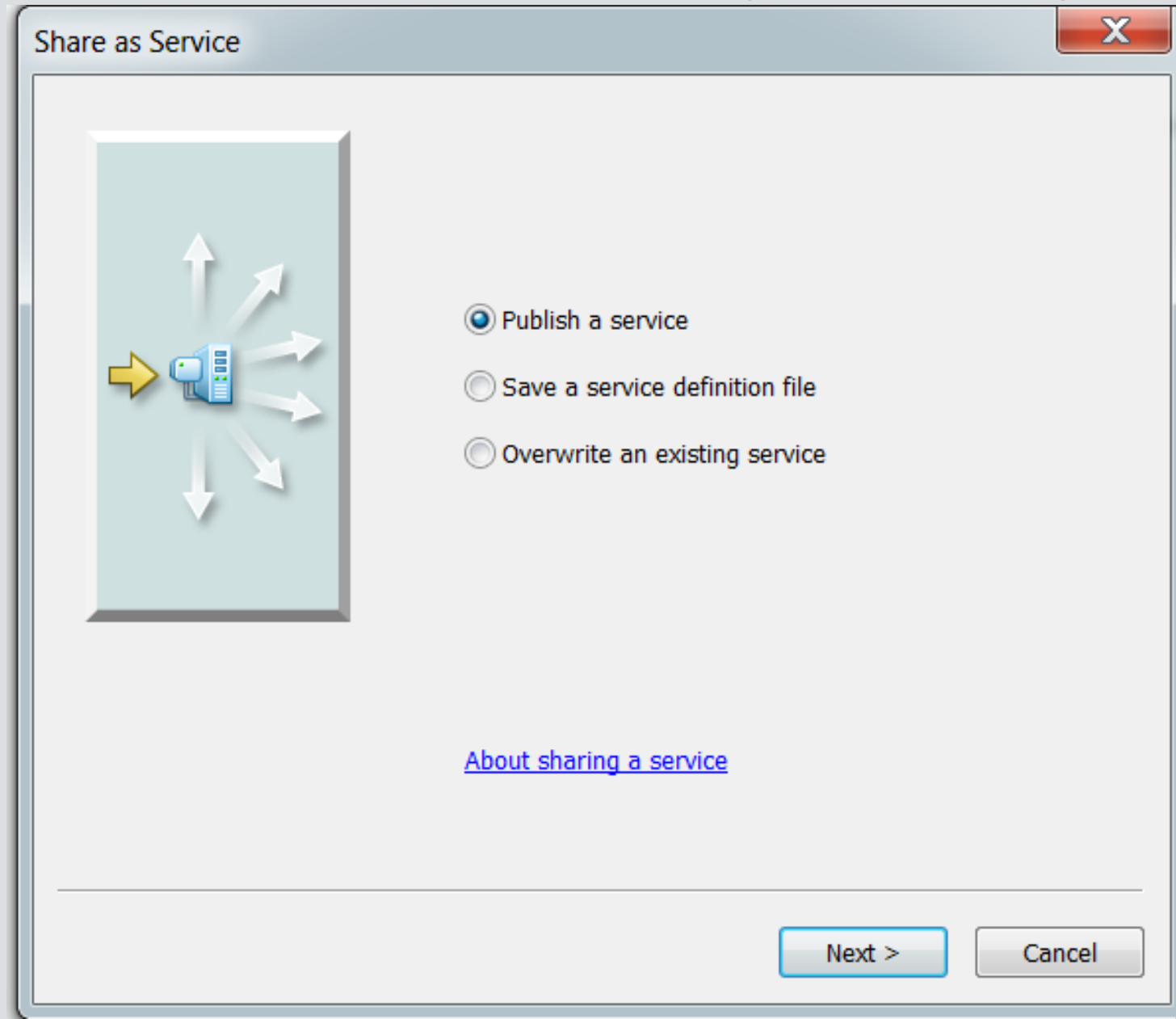
Network Analyst

Drawing

Arial 10 B I U

100%


Share a Service (Feature)



Publish a Service (Feature)

Publish a Service ✕

Choose a connection

My Hosted Services (California OSHPD) 

Service name

TrailNov2015a

< Back Continue Cancel

Feature Access

Service Editor

Connection: My Hosted Services Service Name: TrailNov2015a

Import Analyze Preview Publish

Parameters

Capabilities

Feature Access

Item Description

Sharing

Capabilities

Choose the capabilities you would like enabled for this service:

- Tiled Mapping
- Feature Access

UNCHECK TILE MAPPING

CHECK FEATURE ACCESS

Which Trails Are They?

Service Editor X

Connection: My Hosted Services Service Name: TrailNov2015a Import Analyze Preview Publish

Parameters

Capabilities

- Tiled Mapping
- Feature Access

Caching

- Advanced Settings

Item Description

Sharing

Item Description

Summary (required):

This represents Global Positioning System (GPS) points for the trail in Auburn. Nov. 2015

Tags (required):

Trail, Auburn

Choose Your Tags...

Description:

This represents Global Positioning System (GPS) points for a segment of the trail in Auburn. Nov. 2015

Access and Use Constraints:

Credits:

Update missing metadata in document based on item description

Who Sees What Trails?

Service Editor

Connection: My Hosted Services Service Name: TrailNov2015a

Import Analyze Preview Publish

Parameters

Capabilities

- Tiled Mapping
- Feature Access

Caching

- Advanced Settings

Item Description

Sharing

Share your service with:

- My Content
- California OSHPD
- Everyone (public)

Members of these groups:

- HWDD-Private
- HWDD-Public

Analyze This

Contents

Layers

- Points_All2

Service Editor

Connection: My Hosted Services Service Name: AuburnTrails

Import Analyze Preview Publish

Parameters

Capabilities

Feature Access

Item Description

Sharing

Feature Access

REST URL:

Operations allowed:

Create Delete Query Sync Update

Properties

<There are no properties for this capability>

prepare

0 Errors 3 Warnings 2 Message Search Analyze Results

Severity	Status	Code	Description
High	[Re-analyze]	24034	Layer's data source is z-aware and no default z-value is defined
Medium	Unresolved	24041	Layer does not have a feature template set
Medium	Unresolved	10045	Map is being published with data copied to the server using data frame full extent

That's a Wrap

Service Editor

Connection: My Hosted Services Service Name: TrailNov2015a

Import Analyze Preview Publish

- Parameters
- Capabilities
- Feature Access
- Item Description
- Sharing**

Sharing

Share your service with:

- My Content
- California OSHPD
- Everyone (public)

Members of these groups:

- HWDD-Private
- HWDD-Public

Service Publishing Result

The service has been published successfully.

OK



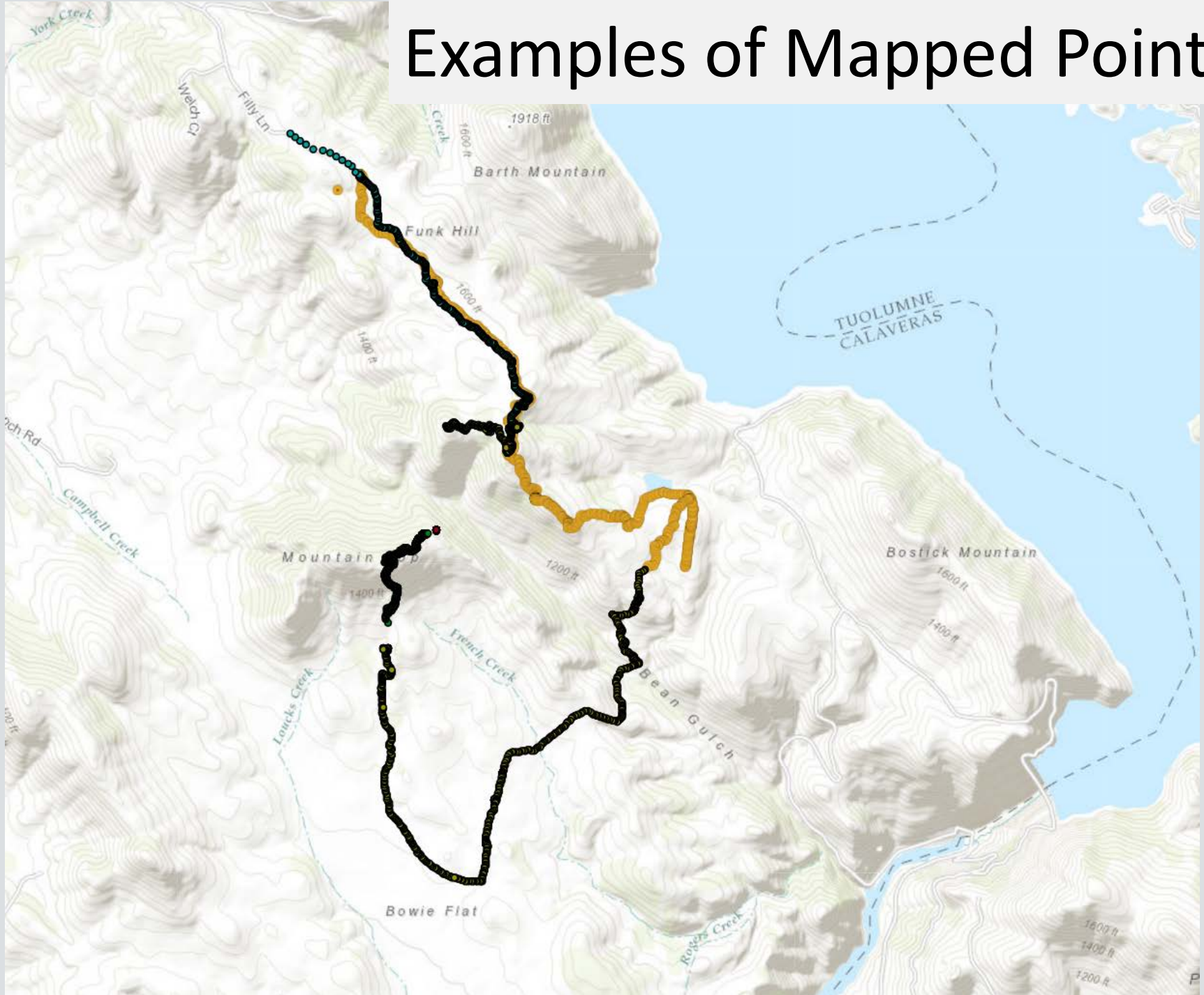
Examples of Mapped Points

Contents

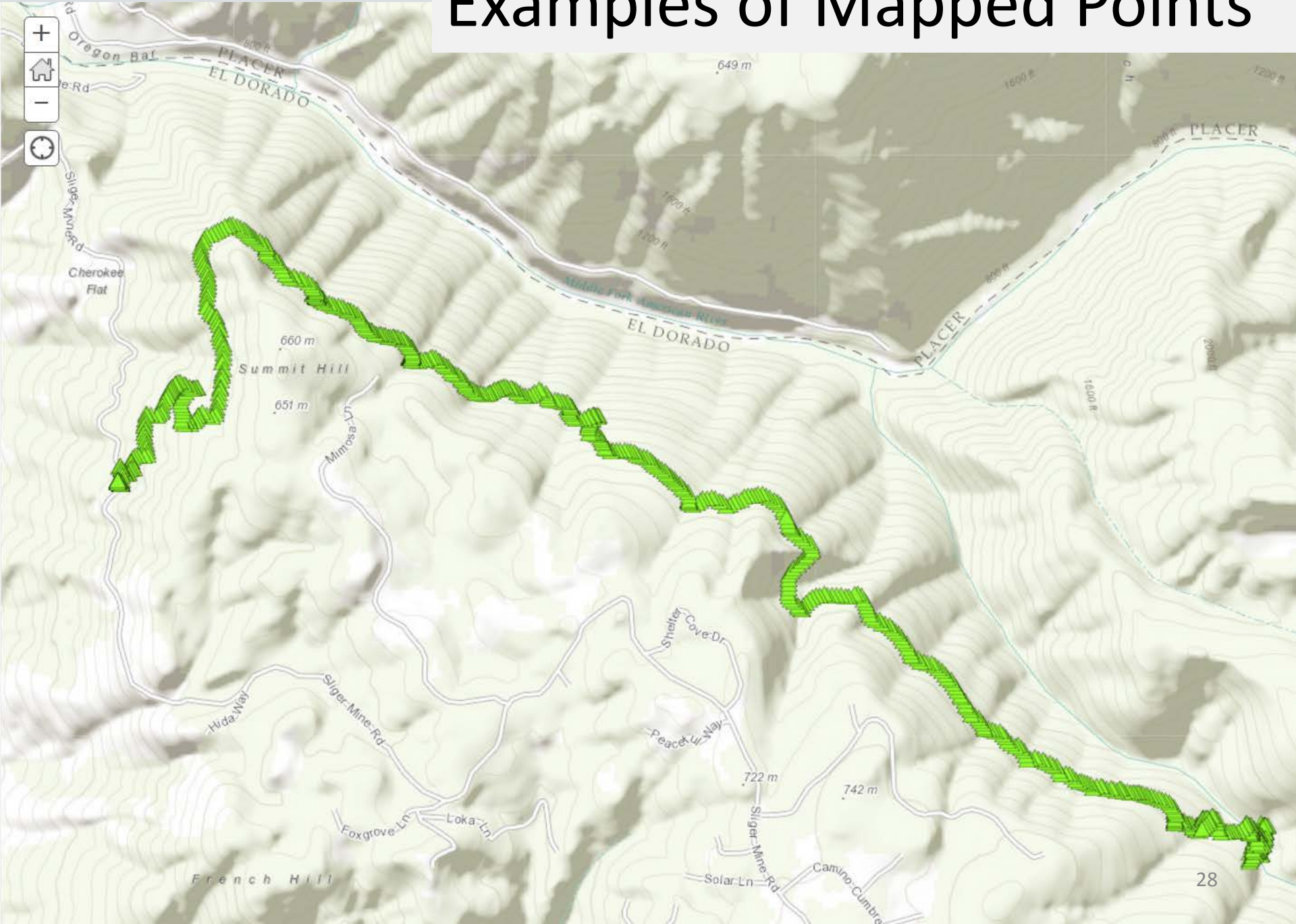
- TrailsApril2013 - TrailApril2013h
- TrailsApril2013 - TrailApril2013g
- TrailsApril2013 - TrailApril2013f
- TrailsApril2013 - TrailApril2013e
- TrailsApril2013 - TrailApril2013d
- TrailsApril2013 - TrailApril2013c
- TrailsApril2013 - TrailApril2013b
- TrailNov2015a - TrailNov2015g
- TrailNov2015a - TrailNov2015f
- TrailNov2015a - TrailNov2015d
- TrailNov2015a - TrailNov2015b
- TrailNov2015a - TrailNov2015e
- TrailNov2015a - TrailNov2015c
- TrailNov2015a
- ▶ Topographic



Examples of Mapped Points



Examples of Mapped Points

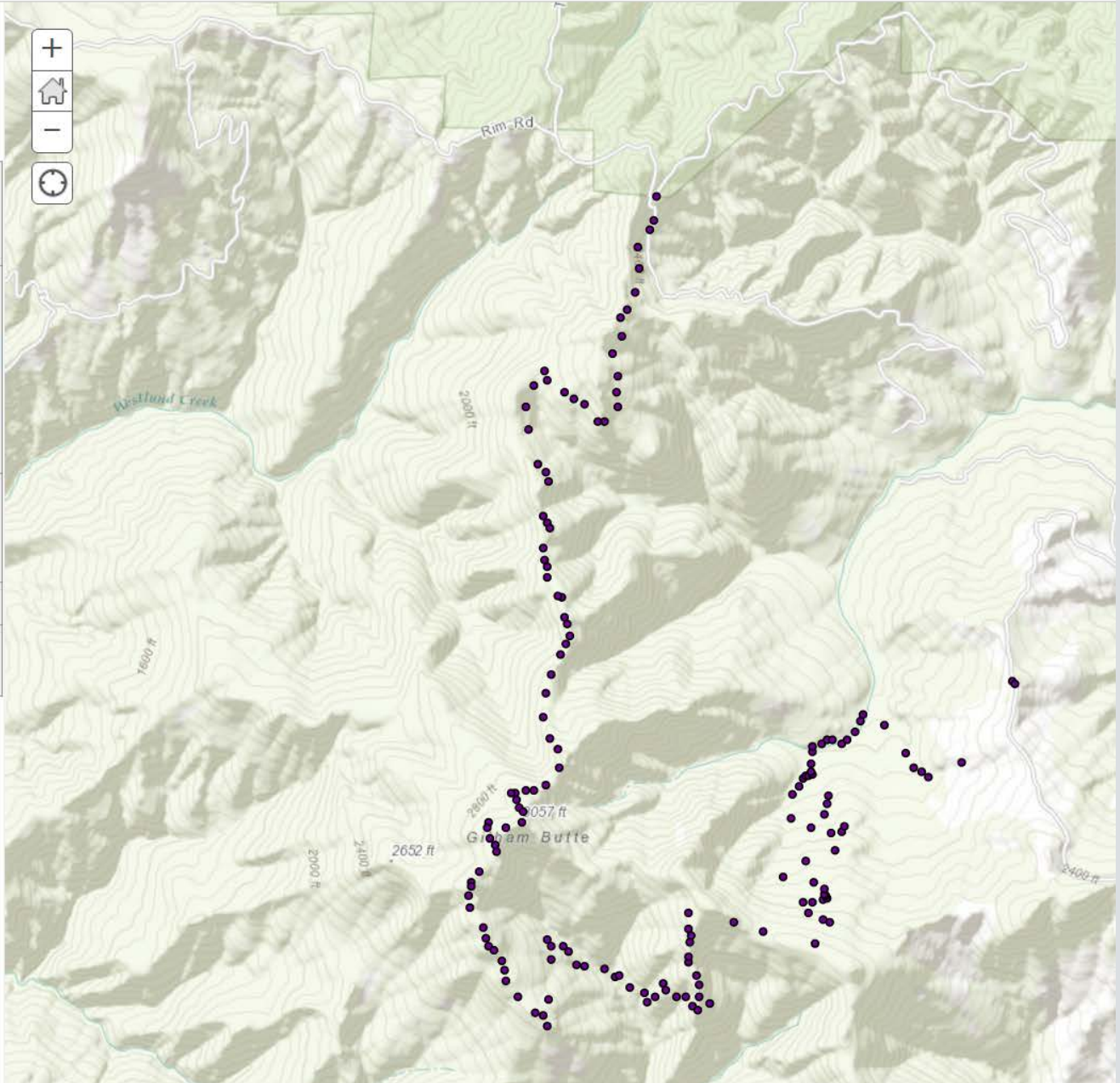


Edit Trail Features

Contents

- Trail009 138
- TrailsApril2013 - TrailAp
- TrailsApril2013 - TrailAp
- TrailsApril2013 - TrailAp
- TrailsApril2013 - TrailAp
- TrailsApril2013 - TrailAp
- TrailsApril2013 - TrailAp
- TrailsApril2013 - TrailAp
- TrailsApril2013 - TrailAp
- TrailsApril2013 - TrailAp
- TrailNov2015a - TrailNo
- TrailNov2015a - TrailNo
- TrailNov2015a - TrailNo
- TrailNov2015a - TrailNo
- TrailNov2015a - TrailNov2015b
- TrailNov2015a - TrailNov2015e
- TrailNov2015a - TrailNov2015c
- TrailNov2015a
- ▶ Topographic

- Zoom to
- Transparency
- Set Visibility Range
- Move up
- Move down
- Rename**
- Remove
- Copy
- Hide in Legend
- Remove Pop-up
- Configure Pop-up
- Create Labels
- Refresh Interval
- Show Item Details
- Save Layer



Track Attributes/Information

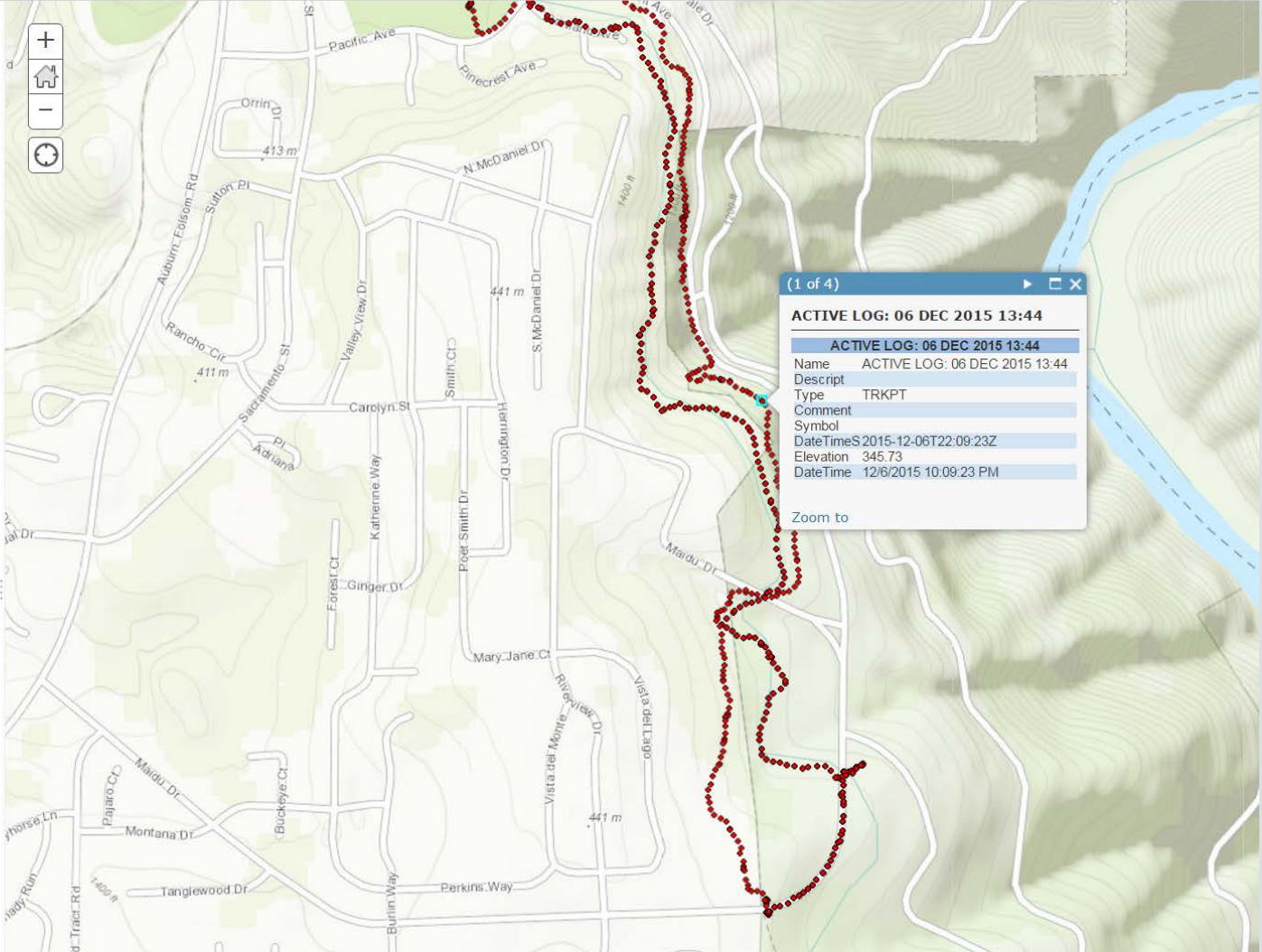
Home ▾ My Map New

Details Add ▾ Basemap Analysis Save Share Print Directions Measure Bookmarks Find address or place

About Content Legend

Contents

- TrailGilhamButte
- TrailsApril2013 - TrailApril2013h
- TrailsApril2013 - TrailApril2013g
- TrailsApril2013 - TrailApril2013f
- TrailsApril2013 - TrailApril2013e
- TrailsApril2013 - TrailApril2013d
- TrailsApril2013 - TrailApril2013c
- TrailsApril2013 - TrailApril2013b
- TrailNov2015a - TrailNov2015g
- TrailNov2015a - TrailNov2015f
- TrailNov2015a - TrailNov2015d
- TrailNov2015a - TrailNov2015b
- TrailNov2015a - TrailNov2015e
- TrailNov2015a - TrailNov2015c
- TrailNov2015a
- Points All2 KML
- Topographic



(1 of 4)

ACTIVE LOG: 06 DEC 2015 13:44

Name	ACTIVE LOG: 06 DEC 2015 13:44
Description	
Type	TRKPT
Comment	
Symbol	
DateTimeS	2015-12-06T22:09:23Z
Elevation	345.73
DateTime	12/6/2015 10:09:23 PM

Zoom to



Why ArcGIS Online – Story Map?

- ESRI hosted service in the cloud, basemaps
 - Features from ArcGIS
 - Photos in Picassa, Flickr or Facebook
 - Video embed from YouTube, Vimeo, other
- Import into Map Template to create narrative, map and photographic documentation.
- Introduce subjects, issues, concerns in the field
 - Used by planners, engaged citizens for cooperative purposes



Which Story Map?

Map Templates – which basemap fits your story?

- Street map
- Imagery with labels?
- Topographic
- Other?



Choose a Design for the Story Map

- Create the application (story map) from a template
- Select a basemap to start
- For a Journal, use main stage and side panel
 - Insert narrative
 - Add sections to fit the order of your story



Choose a Design for the Story Map

- Create map extents (zooms) to change with each section in the story
- Add photos
- Add videos

Create the Story Map

The screenshot shows the ArcGIS Online 'My Content' page. The browser address bar is 'oshpd.maps.arcgis.com/home/content.html'. The page has a blue header with the 'My Content ATLAS' logo. Below the header is a navigation bar with 'Home', 'Gallery', 'Map', 'Scene', 'Groups', 'My Content', and 'My Organization'. A user profile for 'Debra' is visible in the top right. The main content area shows a list of items with columns for 'Title', 'Type', 'Modified', and 'Shared'. An orange arrow points to the 'Create' dropdown menu, which is open and showing 'Feature Layer App' as the selected option. The 'Feature Layer App' menu is further open, showing 'Using a Template' and 'Using the Web AppBuilder' as sub-options.

File Edit View History Bookmarks Tools Help

My Content

oshpd.maps.arcgis.com/home/content.html

Most Visited Getting Started

Home Gallery Map Scene Groups My Content My Organization

Debra

My Content
ATLAS

Folders

NEW DELETE

Debra.Gonzalez (Home)

Show

All
Maps
Layers
Scenes
Apps
Tools
Files

+ Add Item Create Share Delete

Title	Type	Modified	Shared
California ...	Service Definition	Feb 17, 2016	Not Shared
California ...	Feature Layer	Feb 17, 2016	Everyone
Healthcare Workforce Development Division	Web Map	Feb 17, 2016	Everyone
Healthcare Workforce Development Division ...	Web Mapping Application	Feb 17, 2016	Everyone
HWPP #173 Paramedics	Layer	Dec 30, 2015	Organization
Medical_Service_Study_Areas	Feature Layer	Feb 17, 2016	Everyone
Medical_Service_Study_Areas	Service Definition	Feb 17, 2016	Not Shared
Paramedics - Healthcare Workforce Pilot Proj...	Web Map	Dec 30, 2015	Organization

Build the Story Map

Create a New Web App

What do you want to do?

Select a configurable app. ?

Search

Show All

Build a Story Map

Collect/Edit Data

Compare Maps/Layers

Display a Scene (3D)

Explore/Summarize Data

Make a Gallery

Map Social Media »

Provide Local Information

Route/Get Directions

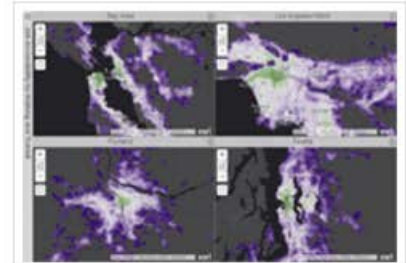
Showcase a Map



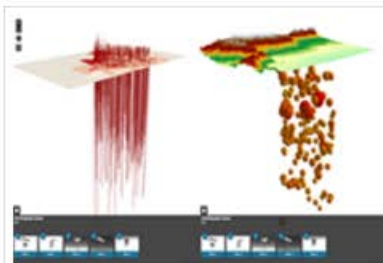
3D Data Visualization



Basic Viewer



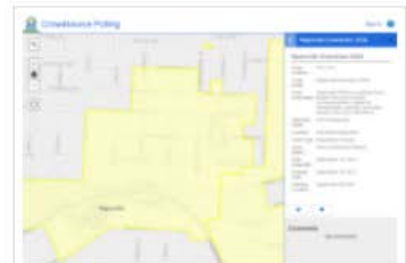
Compare Analysis



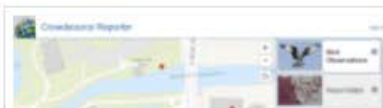
Compare Scenes



Crowdsourcing Manager



Crowdsourcing Polling



CANCEL

Build a Story Map Journal

Create a New Web App

What do you want to do?

Select a configurable app. ?

Search

Show All

Build a Story Map »

Collect/Edit Data

Compare Maps/Layers

Display a Scene (3D)

Explore/Summarize Data

Make a Gallery

Map Social Media

Provide Local Information

Route/Get Directions

Showcase a Map

Combine maps with narrative text, images, and multimedia content to tell your story



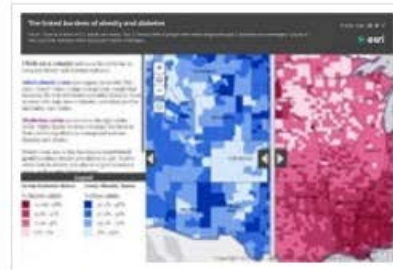
Story Map Basic



Story Map Journal



Story Map Series



Story Map Swipe and Spyglass



Story Map Tour

Title Your Story Map

File Edit View History Bookmarks Tools Help

My Content

oshpd.maps.arcgis.com/home/content.html

Search

Most Visited Getting Started

Create a New Web App

Specify a title, tags, and summary for the new web app.

Title: Every Trail Tells A Story - Story Map

Tags: Trails, Shirland Canal, Auburn State Recreation Area, Auburn Area Recreation and Park District, Bur

Summary: No existing tags match.

Save in folder:

BACK DONE CANCEL

Trail009_138 Feature Layer Mar 4, 2016 Everyone

Summarize Your Story Map

File Edit View History Bookmarks Tools Help

My Content

oshpd.maps.arcgis.com/home/content.html

Most Visited Getting Started

Create a New Web App

Specify a title, tags, and summary for the new web app.

Title: Every Trail Tells A Story - Story Map

Tags: Trails x Shirland Canal x Auburn State Recreation Area x Auburn Area Recreation and Park District x Bureau of Reclamation x

Add tag(s)

Summary: This is the story of trails with multiple uses and managing agencies. It is an example of how to reveal what is most powerful, dramatic or meaningful for you and your area or people of concern.

Save in folder: Debra.Gonzalez

BACK DONE CANCEL

Trail009_138 Feature Layer Mar 4, 2016 Everyone

Select Features for Story Map

EDIT MAP

Details Add Basemap

Search for Layers

Find: (e.g., parcels, fire...) GO

In: My Content

Within map area

8 Results Found

- Points_All2_KML by Debra.Gonzalez Add
- Trail009_138 by Debra.Gonzalez Add
- TrailsApril2013 by Debra.Gonzalez Add
- AuburnTrails by Debra.Gonzalez Remove
- AuburnTrailsPhotos1 by Debra.Gonzalez Add
- TrailNov2015a by Debra.Gonzalez Add
- California_Counties by Debra.Gonzalez Add
- Medical_Service_Study_Areas by Debra.Gonzalez Add

DONE ADDING LAYERS

SACOG, Bureau of Land Management, Esri, HERE

Edit Story Map

EDIT SECTION

Trail Signs

Main Stage Side Panel ?

CONTENT: Map Image Video Web page

Map Basemap_Imagery Current map Edit

Location Map default Custom configuration ?

Content Map default Custom configuration ?

Pop-up Map default Custom configuration ?

Extras Overview Map ? Legend ?

SAVE CANCEL





Add Photos to Story Map

EDIT SECTION

The Shirland Canal is Part of California History

Main Stage Side Panel ?

CONTENT: Map Image Video Web page





SAVE CANCEL


Add Photos to Story Map Picassa and Gmail Account

EDIT SECTION

Trail Signs

Main Stage Side Panel ?

CONTENT: Map  Image  Video  Web page 

 Picasa.

< BACK CANCEL

Add Photos to Story Map

Picassa

An important update on Picasa Web Albums. [Learn more](#)



[Home](#)

[My Photos](#)

[Explore](#)

[Upload](#)

You've recently joined Google+. Note the following changes to Picasa:

- Albums you've shared can in turn be tagged and shared by others.
- For new albums, anyone an album is shared with can see who else it
- When you tag someone, they receive a notification and can see the p

[Learn More](#)

Albums (4)

View My: [Public](#)



Auburn Trails

Mar 7, 2016

photos: 3



Camino de Santiago Impressions from my Journey II

Aug 30, 2015

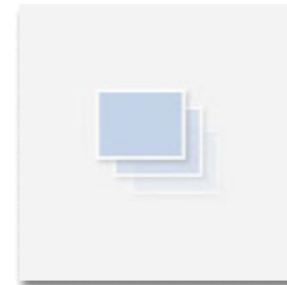
photos: 89



Camino de Santiago Impressions from my Journey I

Aug 30, 2015

photos: 99



Profile Photos

Mar 22, 2014

photos: 0

Position Photos in Story Map

EDIT SECTION

Signs Lead The Way

Main Stage

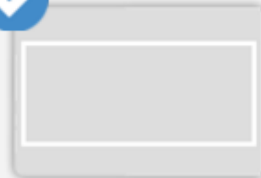
Side Panel

CONTENT: Map Image Video Web page

Position



Fill
(may crop)



Fit
(won't crop)



Stretch
(may distort)



Center

< BACK

SAVE








CANCEL












Add Text to Story Map

EDIT SECTION

Signs Lead The Way

Main Stage Side Panel

B *I* U ~~S~~ *I*_x Size **A**       

         [Main Stage Actions](#)  

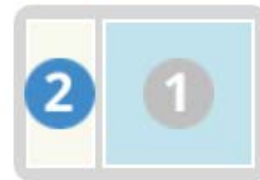
This small trail sign lets us know there is a trail.

SAVE CANCEL

Edit Text in Story Map



ADD SECTION



STEP 2: Side Panel Content

Multi-Uses: Jogging

Rich text editor toolbar with icons for Bold (B), Italic (I), Underline (U), Strikethrough (S), Text Color (A), Size, Link, Unlink, Undo, and Redo. Below the toolbar is a color selection palette with a grid of color swatches and a 'More Colors...' link. The editor content area shows a background image of a dirt trail and a text box containing the question: "Are multiple uses feasible on the trail? What is the real nature of conflicts, if any, among users and impacts on resources?"

< BACK

ADD

CANCEL



Develop Your Story Map Narrative

Map extents may vary for each Act or Scene:

Act

- 1 Introduce the trail, setting, window
- 2 Proposals coalesce in the 'primordial soup'
- 3 Issues emerge and compete for attention
- 4 Managers act, choose, deal, reverse
- 5 Find resolution, moral; evaluate, monitor

(apologies to Aristotle on drama, Kingdon on policy evolution)



Demonstration of a Story Map Journal

Every Trail Tells a Story

A Tale of Two Trails

<http://oshpd.maps.arcgis.com/apps/MapJournal/index.html?appid=71ee9142ba4249b39f633941bf535c1e>

Every Trail Tells a Story

- Questions?