# Can ArcGIS Online transform your Organization?

April 11th, 2013
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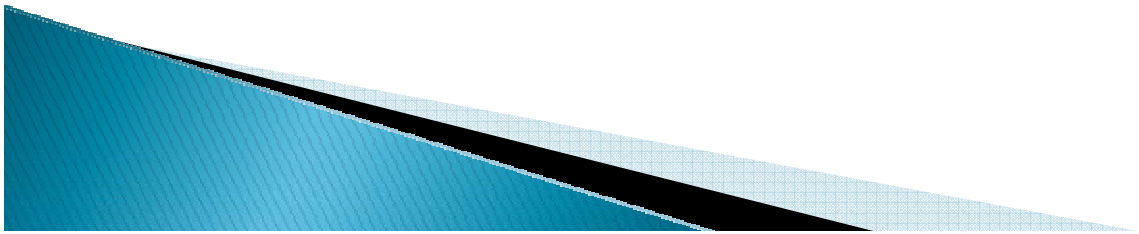
CDM Smith

# Introduction

- What is ArcGIS Online for Organizations?
- Who cares ?
- Brief overview
- Features
- Uses
- Examples

# What is ArcGIS Online?

- ArcGIS Online is a cloud-based, collaborative content management system for maps, apps, data, and other geographic information (ESRI 2012).
  - Cloud-based content management system
  - Collaborative resource
  - Quick deployment of web and mobile applications



# ArcGIS Online vs. ArcGIS Online for Organizations

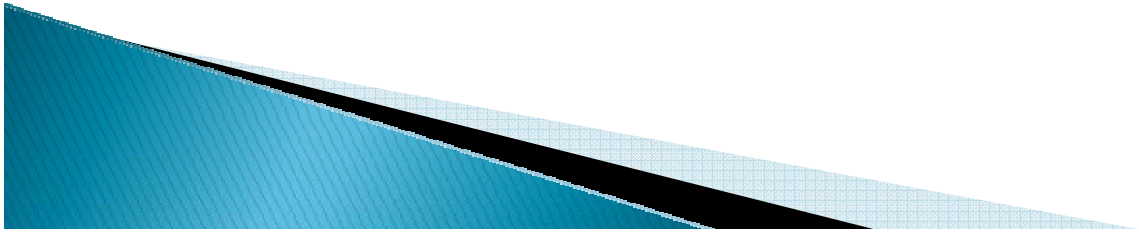
| | Organizational | Personal |
|---|---|---|
| ⊞ Access, share, and manage content | ✓ | ✓ |
| Add your own data to maps | ✓ | ✓ |
| Add Geometry Service to maps & apps | ✓ | ✓ |
| Store maps, apps, and data in Esri's cloud | ✓ | 2 GB Limit |
| Create private groups | ✓ | |
| Make maps in Excel with Esri Maps for Office | ✓ | |
| Add World Geocoding to maps & apps | ✓ | |
| Add World Network Analysis to maps & apps | ✓ | |
| Access ArcGIS Portal and Web Mapping APIs | ✓ | |
| Publish hosted services in Esri's cloud | ✓ | |
| Manage user roles, access, and security | ✓ | |
| Monitor usage information | ✓ | |
| Add your organization's logo and banner to your ArcGIS Online homepage | ✓ | |
| Display your organization's maps on your ArcGIS Online homepage | ✓ | |
| Create a custom URL for your ArcGIS Online homepage | ✓ | |
| Includes Technical Support | ✓ | |

# Who cares?

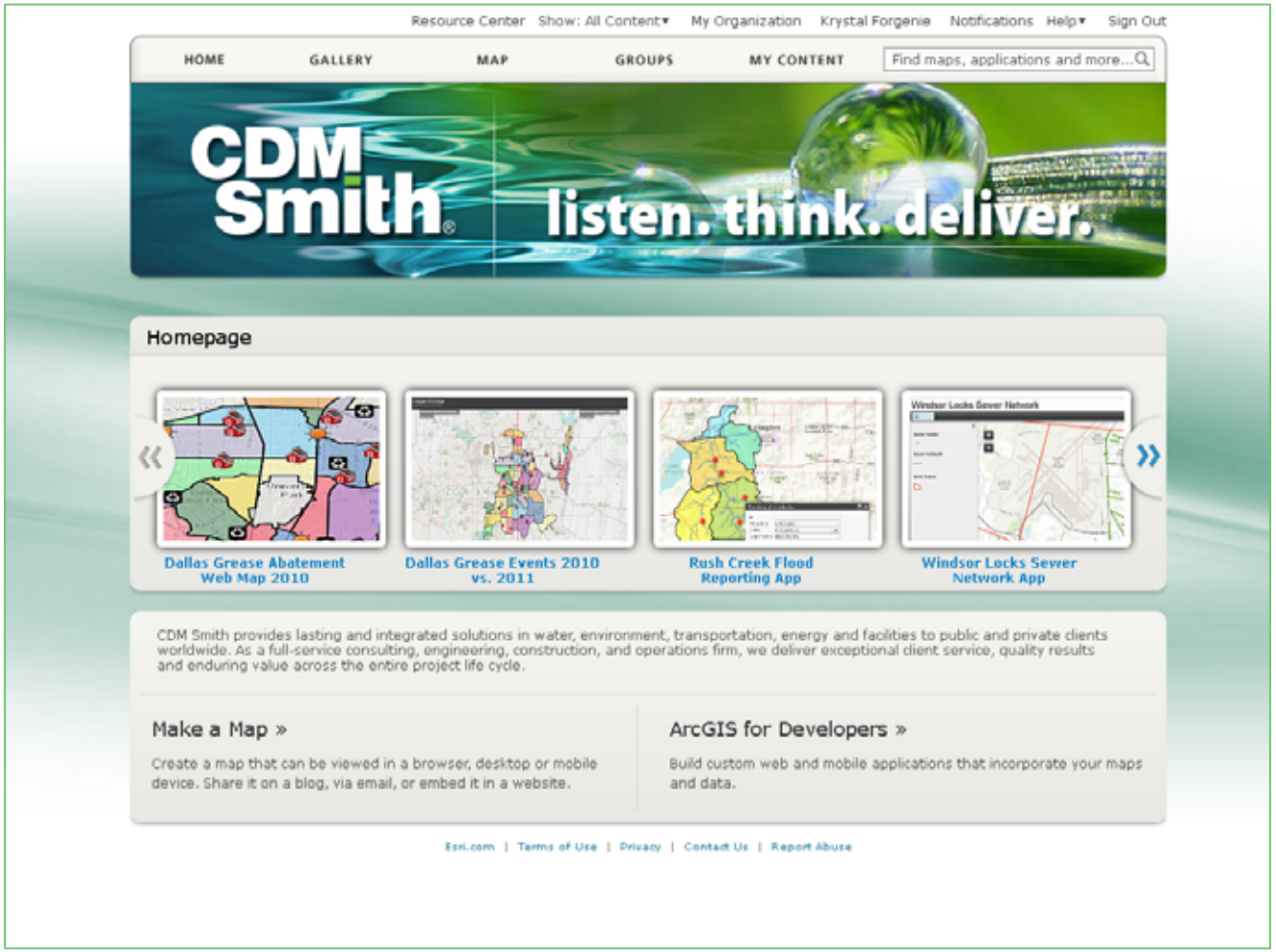
- Everyone!
- GIS becomes more accessible to everyone
- Allows non-GIS staff to visualize data
- Allows GIS staff to quickly share data
- Makes ArcServer more accessible to organizations

# Overview of Organizational Account

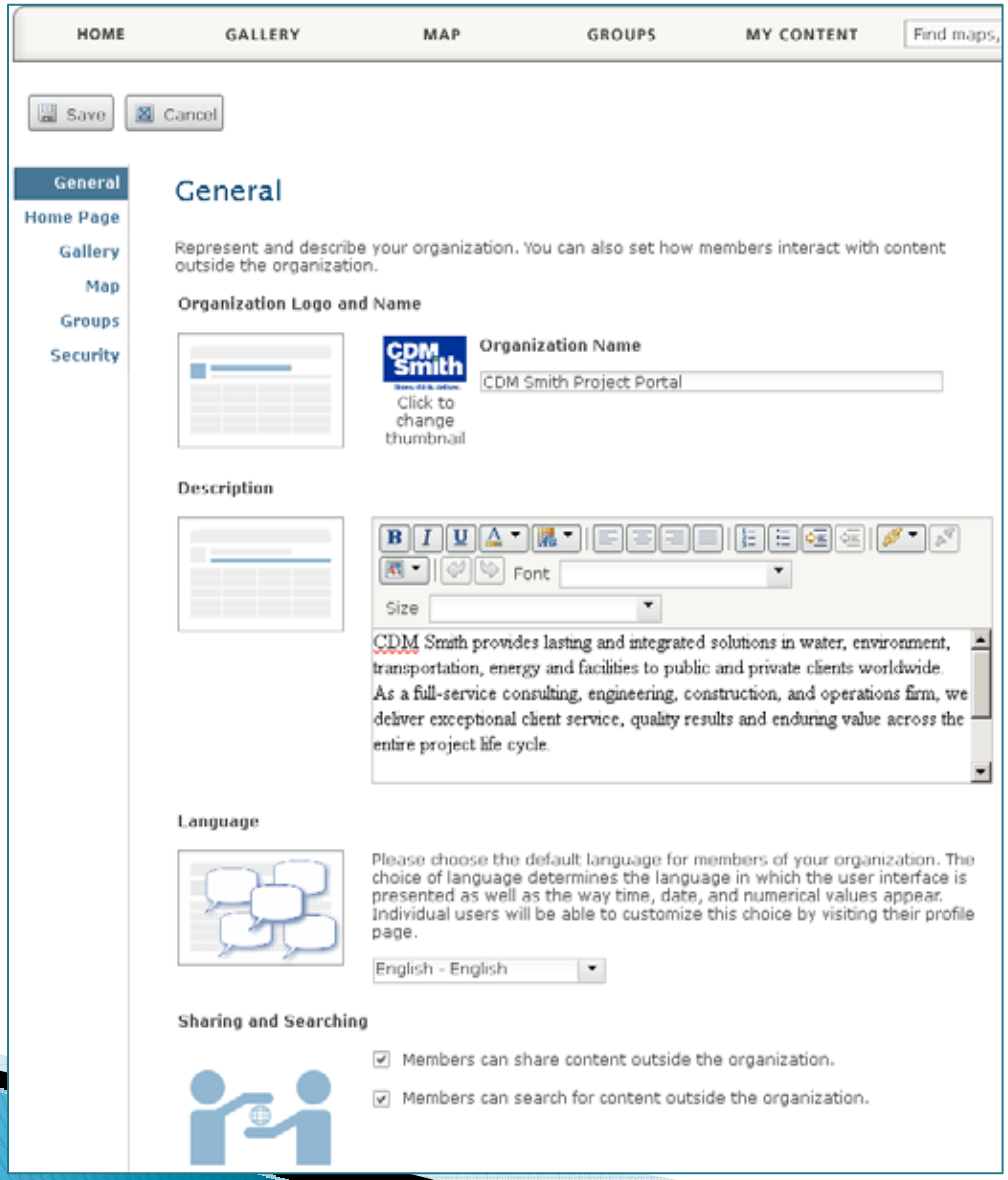
- Customizable homepage
- Security
- Users / Manage Roles
- Track Usage
- Groups / Permissions
- My Content / Permissions
- Create Web Maps
- Share web maps via web applications or mobile devices



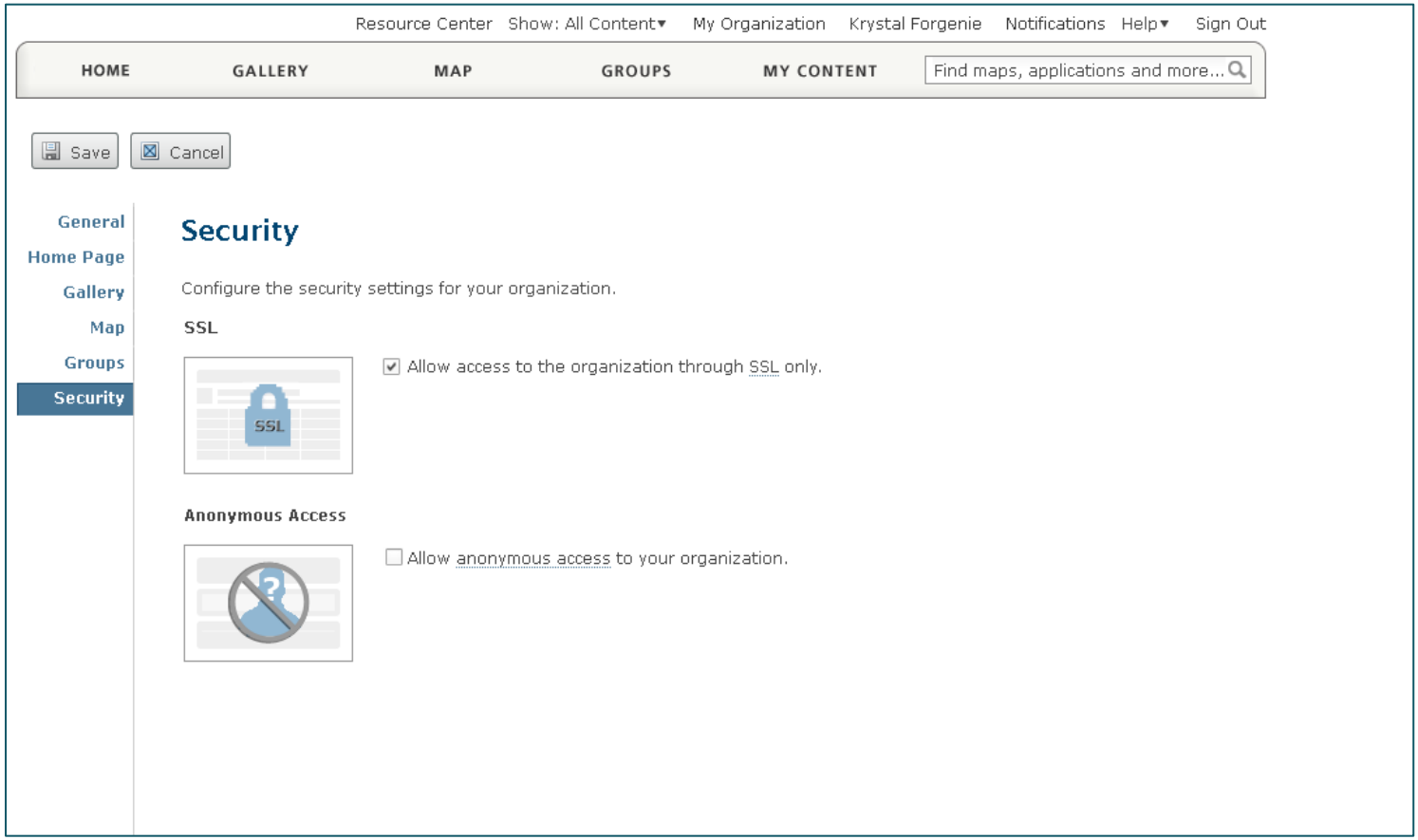
# Homepage


Resource Center
Show: All Content
My Organization
Krystal Forgenie
Notifications
Help
Sign Out
HOME
GALLERY
MAP
GROUPS
MY CONTENT
Find maps, applications and more...
CDM Smith
listen. think. deliver.
Homepage
Dallas Grease Abatement Web Map 2010
Dallas Grease Events 2010 vs. 2011
Rush Creek Flood Reporting App
Windsor Locks Sewer Network App
CDM Smith provides lasting and integrated solutions in water, environment, transportation, energy and facilities to public and private clients worldwide. As a full-service consulting, engineering, construction, and operations firm, we deliver exceptional client service, quality results and enduring value across the entire project life cycle.
Make a Map »
Create a map that can be viewed in a browser, desktop or mobile device. Share it on a blog, via email, or embed it in a website.
ArcGIS for Developers »
Build custom web and mobile applications that incorporate your maps and data.
Esri.com | Terms of Use | Privacy | Contact Us | Report Abuse

# Configure Homepage



# Security

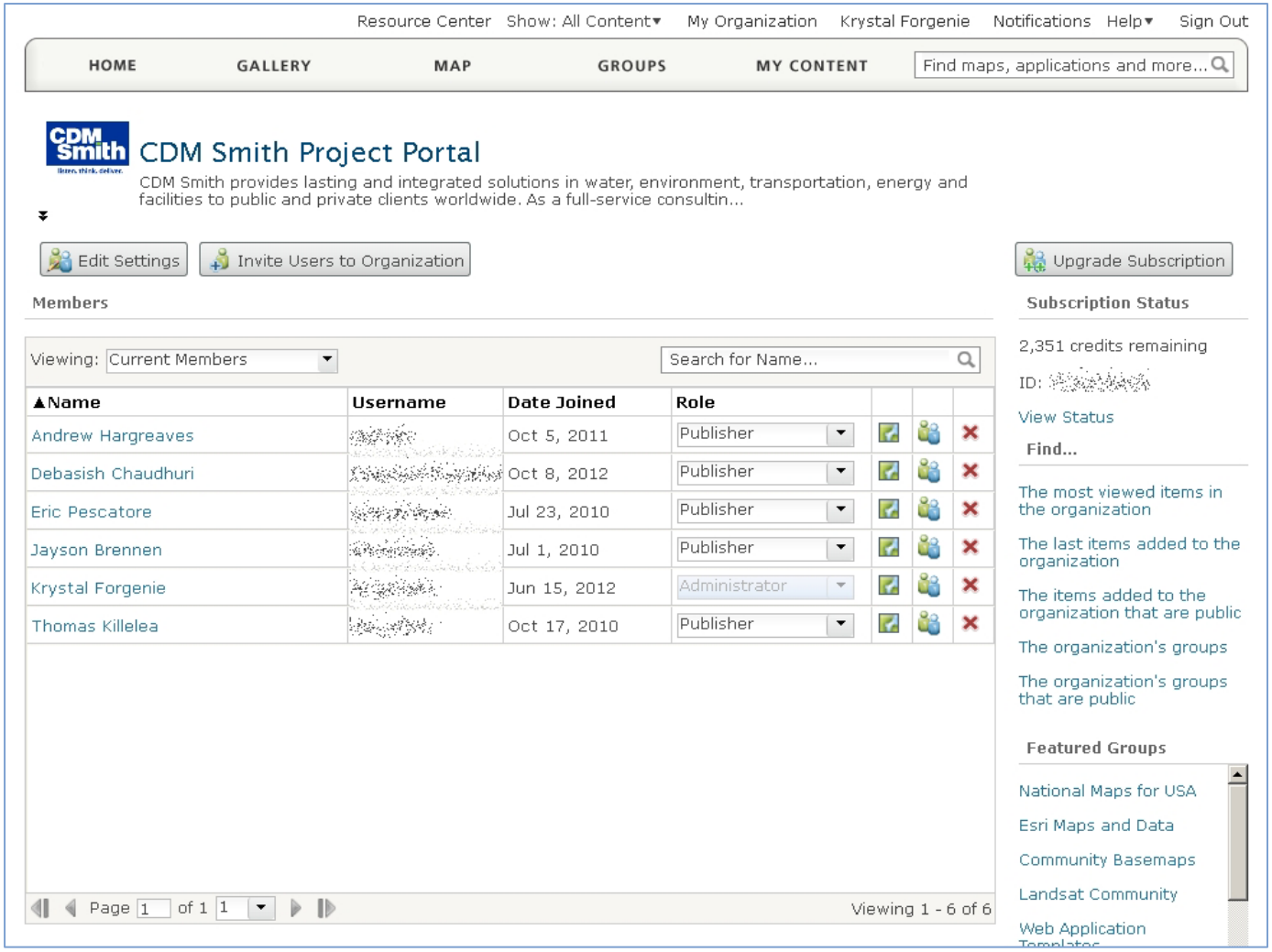

Resource Center
Show: All Content
My Organization
Krystal Forgenie
Notifications
Help
Sign Out
HOME
GALLERY
MAP
GROUPS
MY CONTENT
Find maps, applications and more...
Save
Cancel
General
Home Page
Gallery
Map
Groups
Security
Security
Configure the security settings for your organization.
SSL
SSL
Allow access to the organization through SSL only.
Anonymous Access
Allow anonymous access to your organization.

# Manage Organization

Invite Members

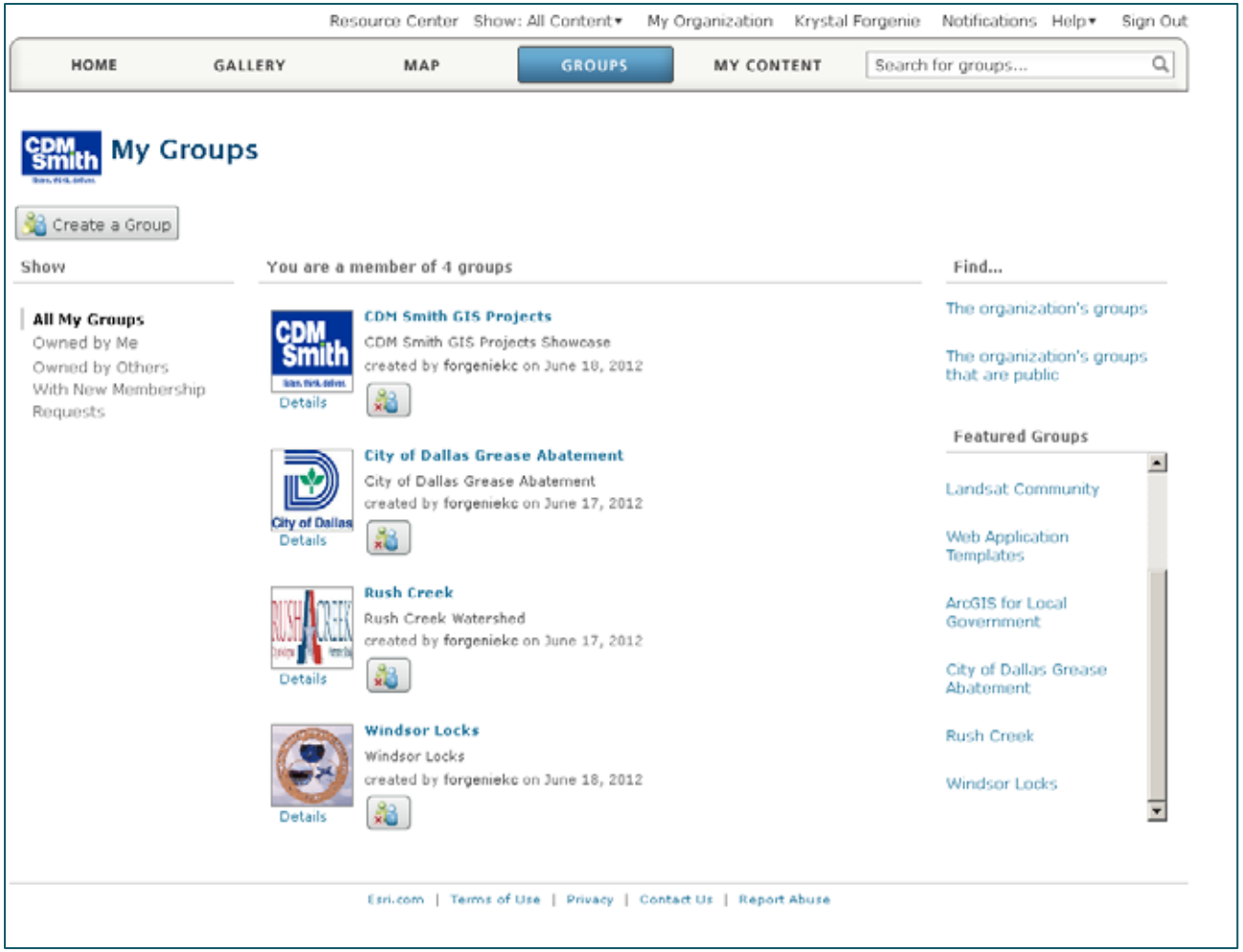
Assign Roles:
Admin
User
Publisher

Subscription status



# Usage

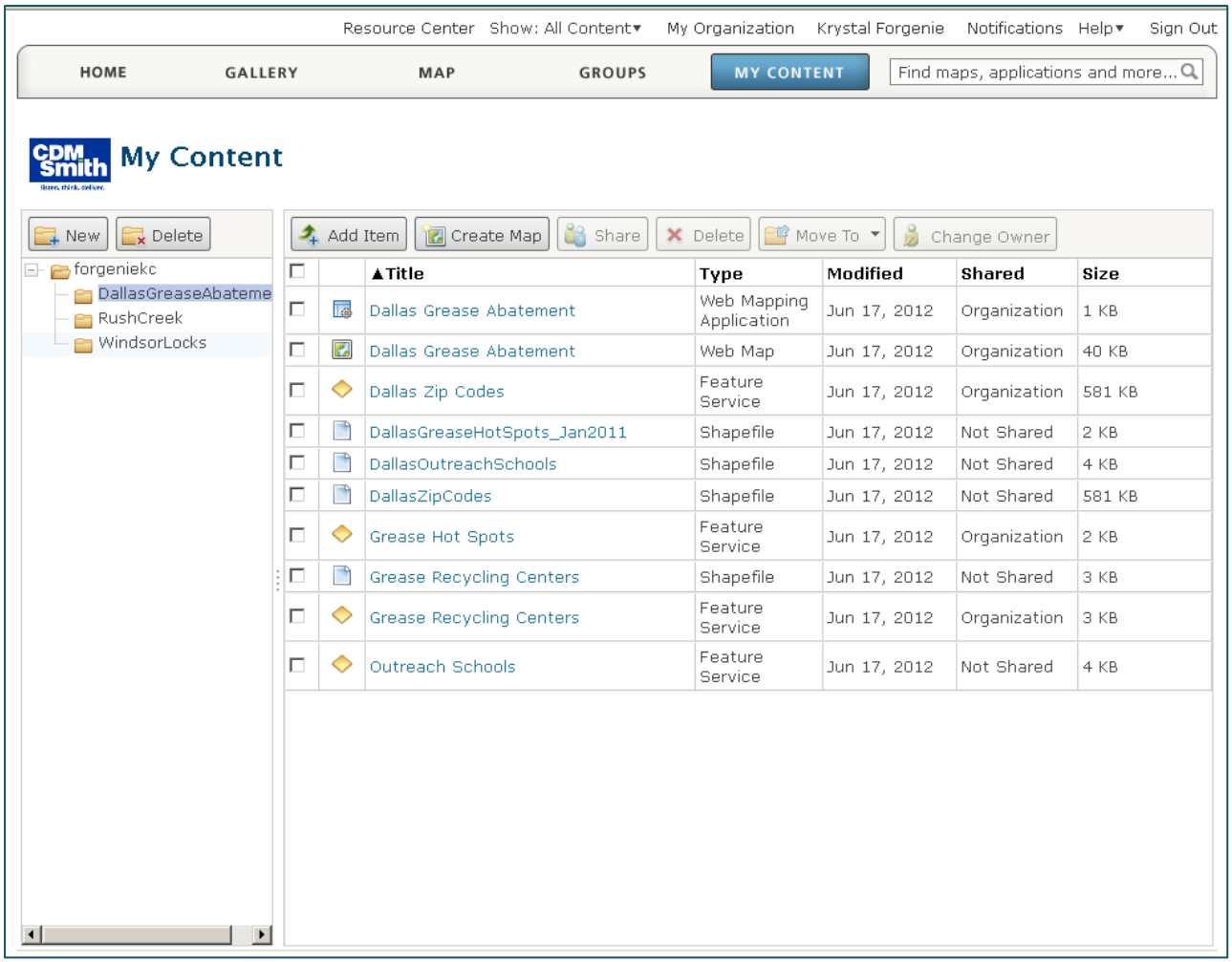
# Groups




## Options:

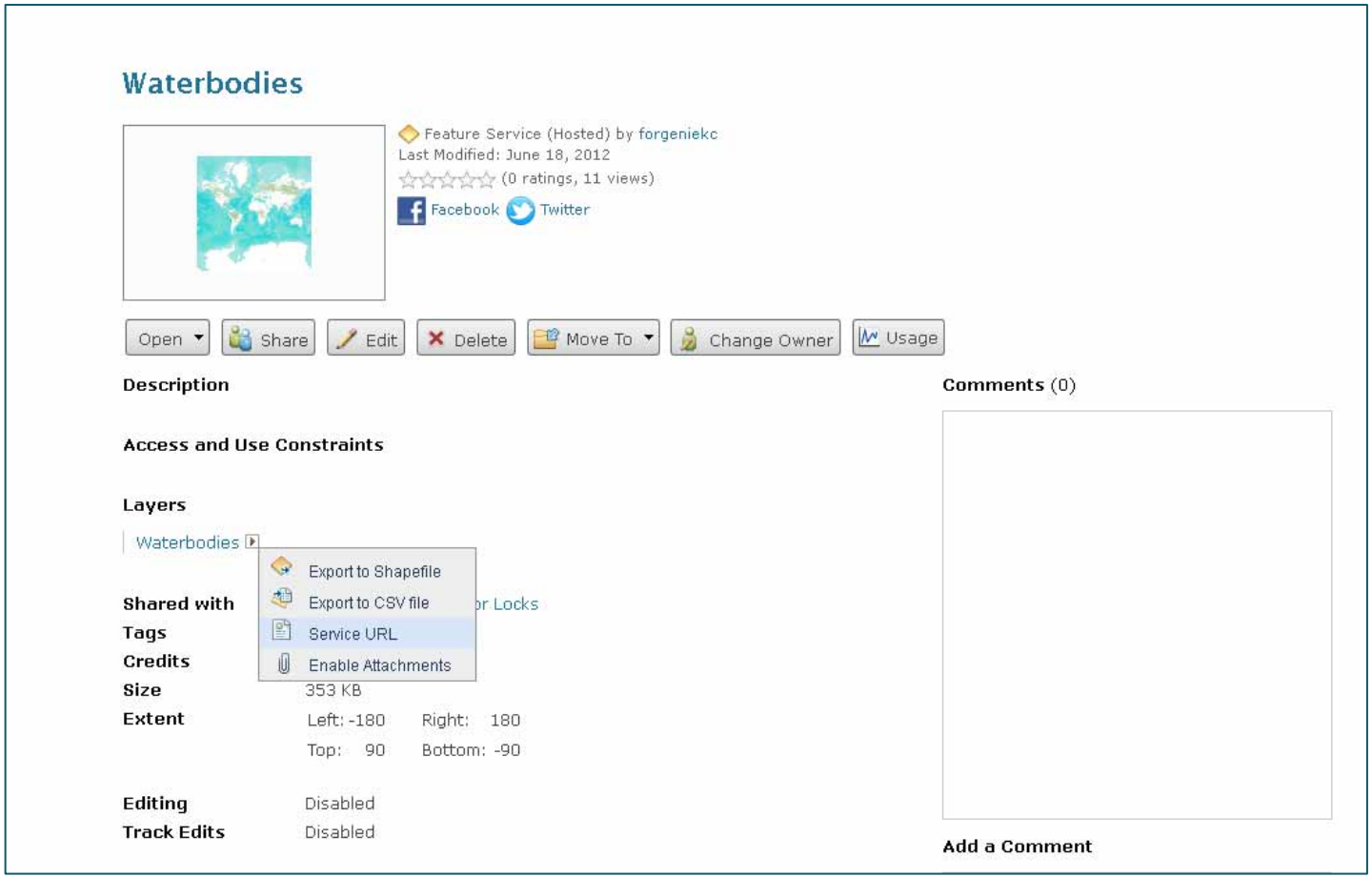
- Logo
- Members
- Privacy
- Thumbnails for Maps
- Tags
- Change Owners

# My Content



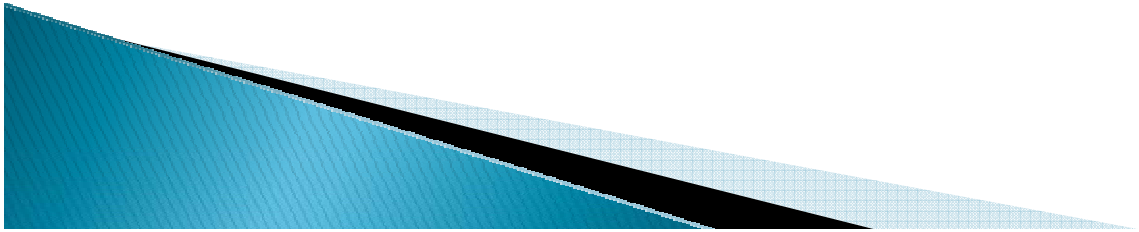

| Title | Type | Modified | Shared | Size |
|---|---|---|---|---|
| Dallas Grease Abatement | Web Mapping Application | Jun 17, 2012 | Organization | 1 KB |
| Dallas Grease Abatement | Web Map | Jun 17, 2012 | Organization | 40 KB |
| Dallas Zip Codes | Feature Service | Jun 17, 2012 | Organization | 581 KB |
| DallasGreaseHotSpots_Jan2011 | Shapefile | Jun 17, 2012 | Not Shared | 2 KB |
| DallasOutreachSchools | Shapefile | Jun 17, 2012 | Not Shared | 4 KB |
| DallasZipCodes | Shapefile | Jun 17, 2012 | Not Shared | 581 KB |
| Grease Hot Spots | Feature Service | Jun 17, 2012 | Organization | 2 KB |
| Grease Recycling Centers | Shapefile | Jun 17, 2012 | Not Shared | 3 KB |
| Grease Recycling Centers | Feature Service | Jun 17, 2012 | Organization | 3 KB |
| Outreach Schools | Feature Service | Jun 17, 2012 | Not Shared | 4 KB |

# Upload Content & Publish Service

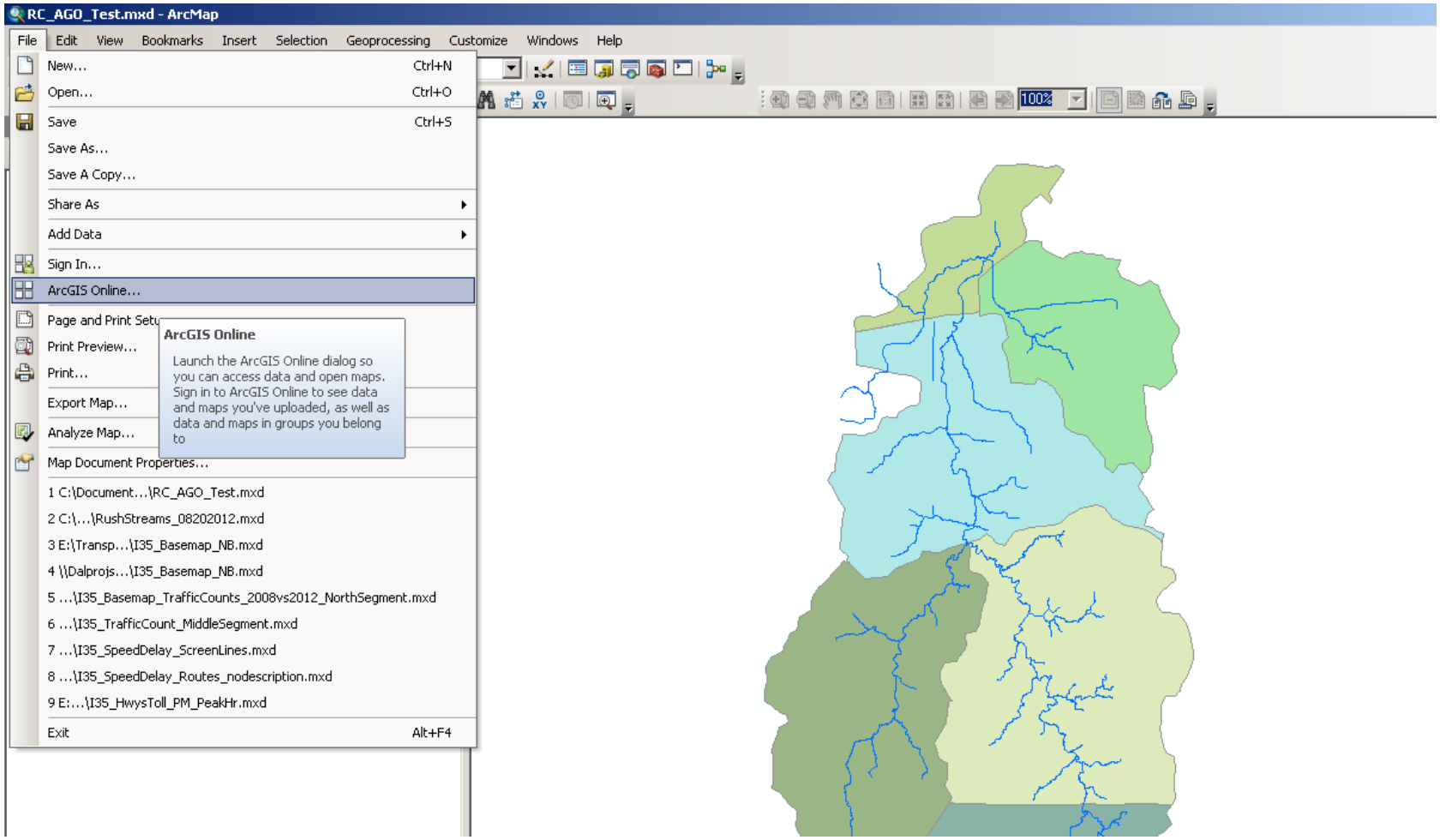


# Map Service

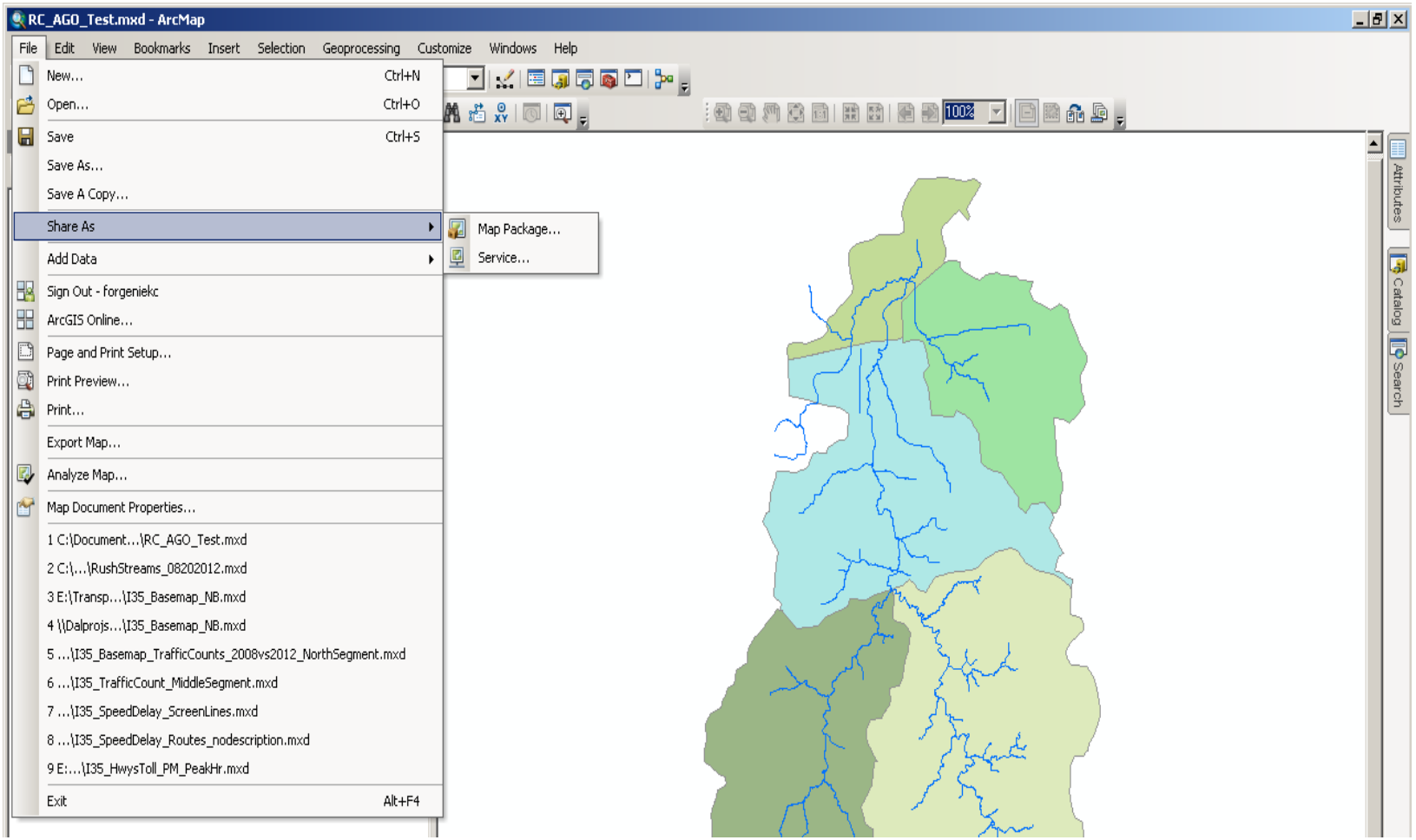
- Alternatively data can be added
  - Via a map service from ArcServer
  - Publish service directly to cloud with 10.1



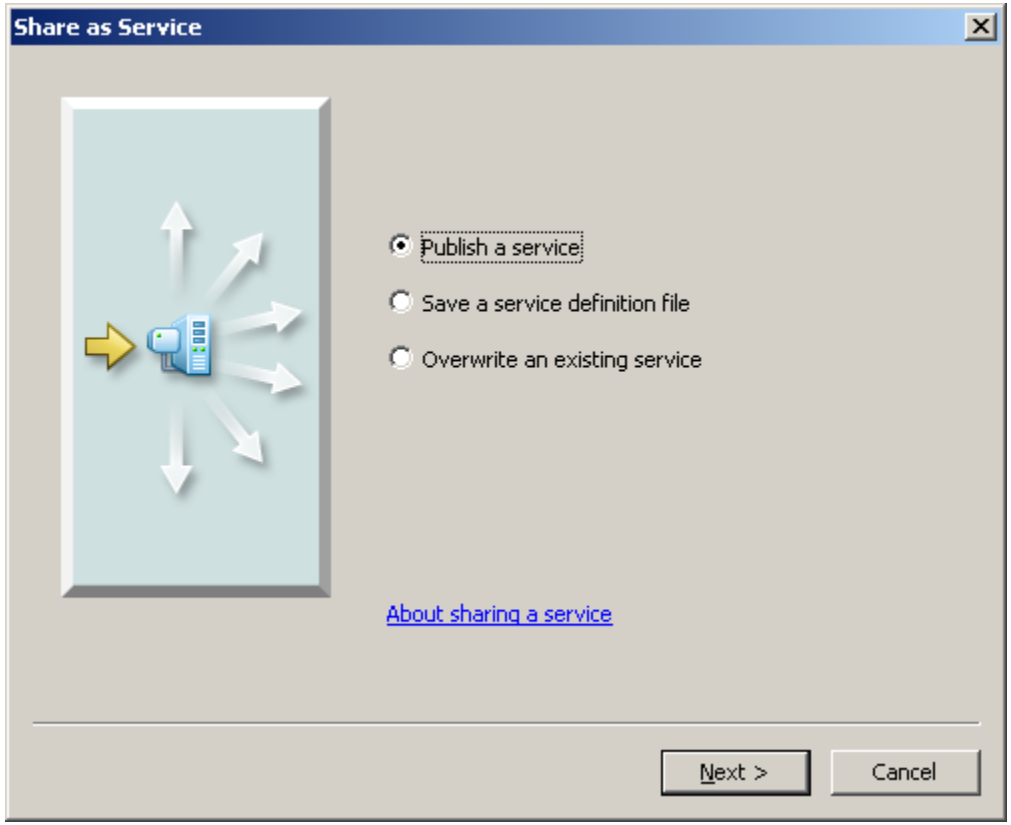
# Publish directly to Service (10.1)

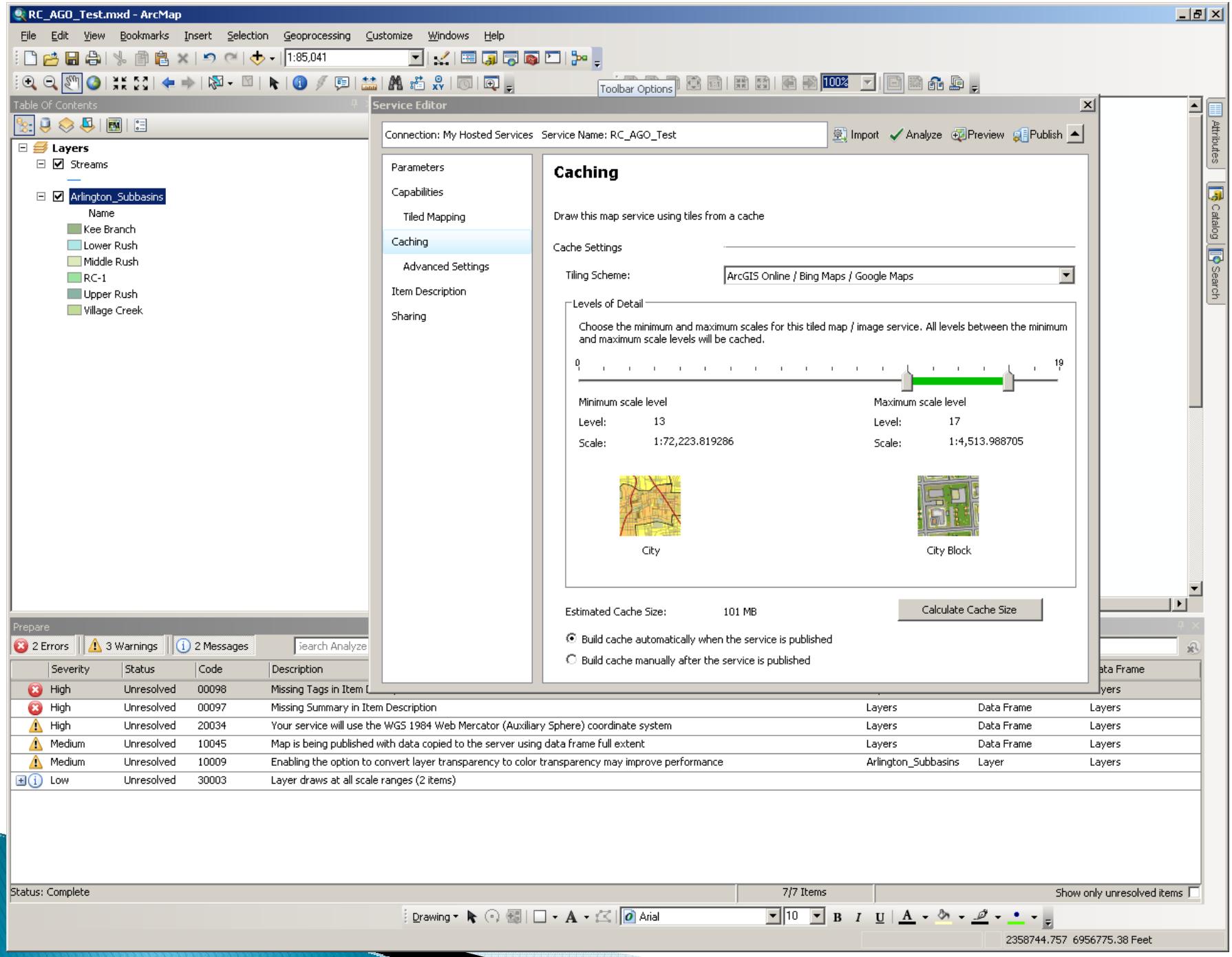


# Publish directly to Service (10.1)

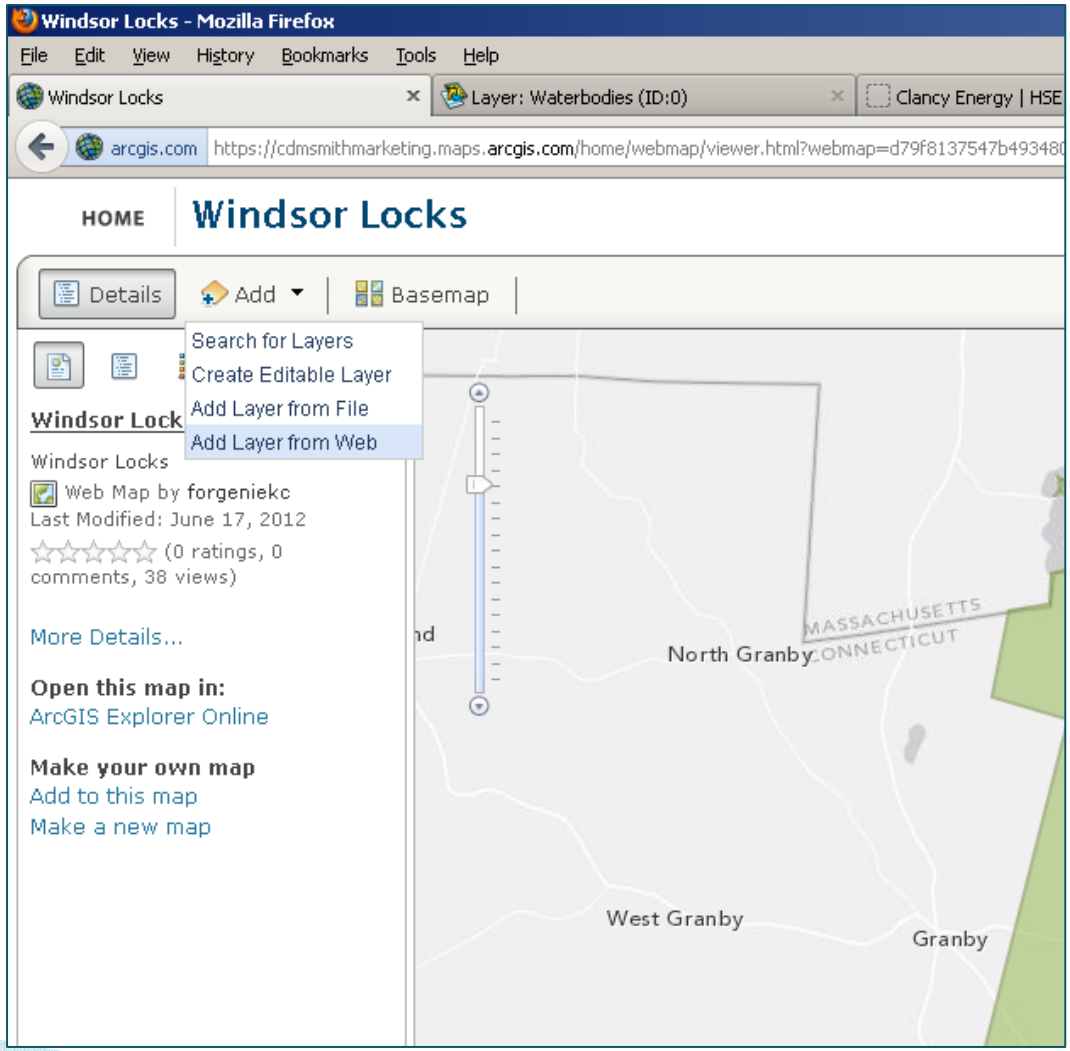


# Share as Service

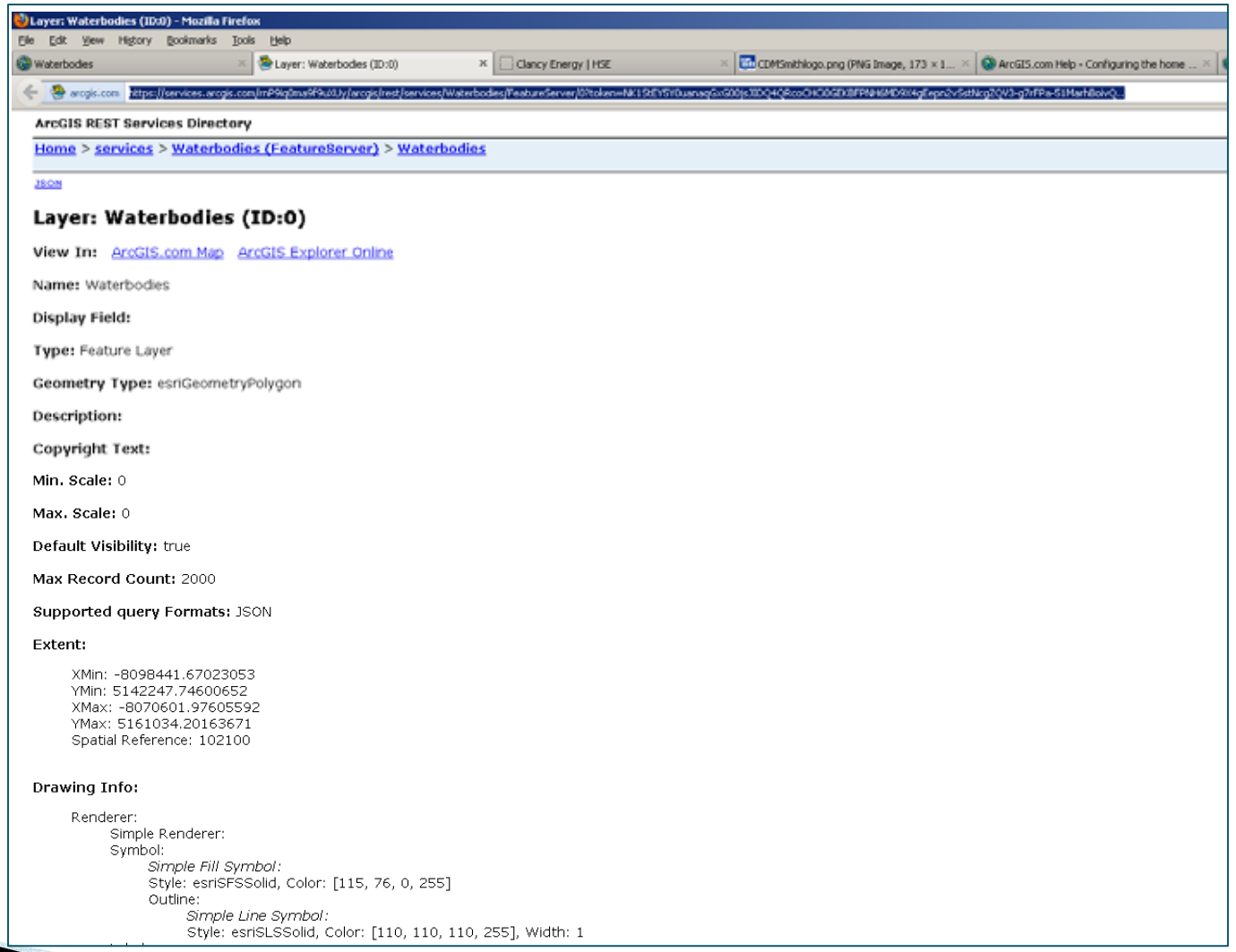



RC_AGO_Test.mxd - ArcMap
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
1:85,041
Toolbar Options
Table Of Contents
Layers
Streams
Arlington_Subbasins
Name
Kee Branch
Lower Rush
Middle Rush
RC-1
Upper Rush
Village Creek
Service Editor
Connection: My Hosted Services Service Name: RC_AGO_Test
Import Analyze Preview Publish
Parameters
Capabilities
Tiled Mapping
Caching
Advanced Settings
Item Description
Sharing
Caching
Draw this map service using tiles from a cache
Cache Settings
Tiling Scheme: ArcGIS Online / Bing Maps / Google Maps
Levels of Detail
Choose the minimum and maximum scales for this tiled map / image service. All levels between the minimum and maximum scale levels will be cached.
0
19
Minimum scale level
Level: 13
Scale: 1:72,223.819286
Maximum scale level
Level: 17
Scale: 1:4,513.988705
City
City Block
Estimated Cache Size: 101 MB
Calculate Cache Size
Build cache automatically when the service is published
Build cache manually after the service is published
Prepare
2 Errors 3 Warnings 2 Messages
Severity Status Code Description
High Unresolved 00098 Missing Tags in Item
High Unresolved 00097 Missing Summary in Item Description Layers Data Frame Layers
High Unresolved 20034 Your service will use the WGS 1984 Web Mercator (Auxiliary Sphere) coordinate system Layers Data Frame Layers
Medium Unresolved 10045 Map is being published with data copied to the server using data frame full extent Layers Data Frame Layers
Medium Unresolved 10009 Enabling the option to convert layer transparency to color transparency may improve performance Arlington_Subbasins Layer Layers
Low Unresolved 30003 Layer draws at all scale ranges (2 items)
Status: Complete
7/7 Items
Show only unresolved items
Drawing
Arial
10
2358744.757 6956775.38 Feet
Attributes
Catalog
Search

# Create your web map

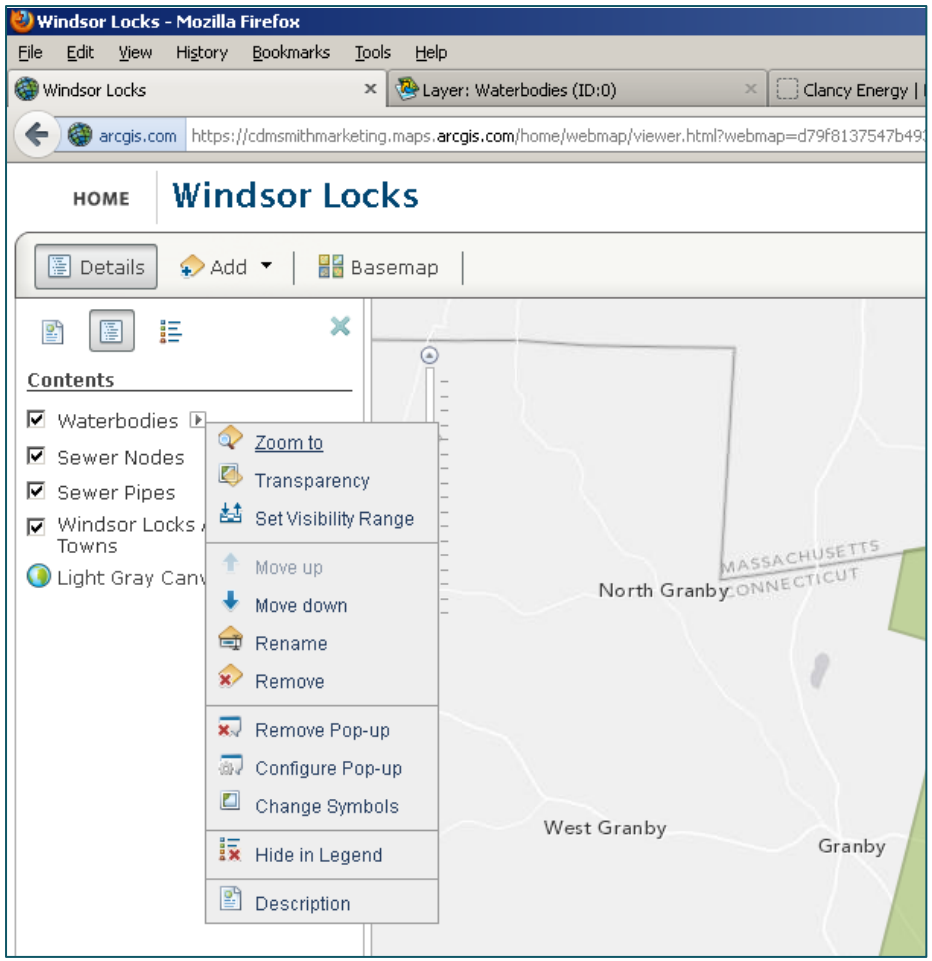


# Service Address



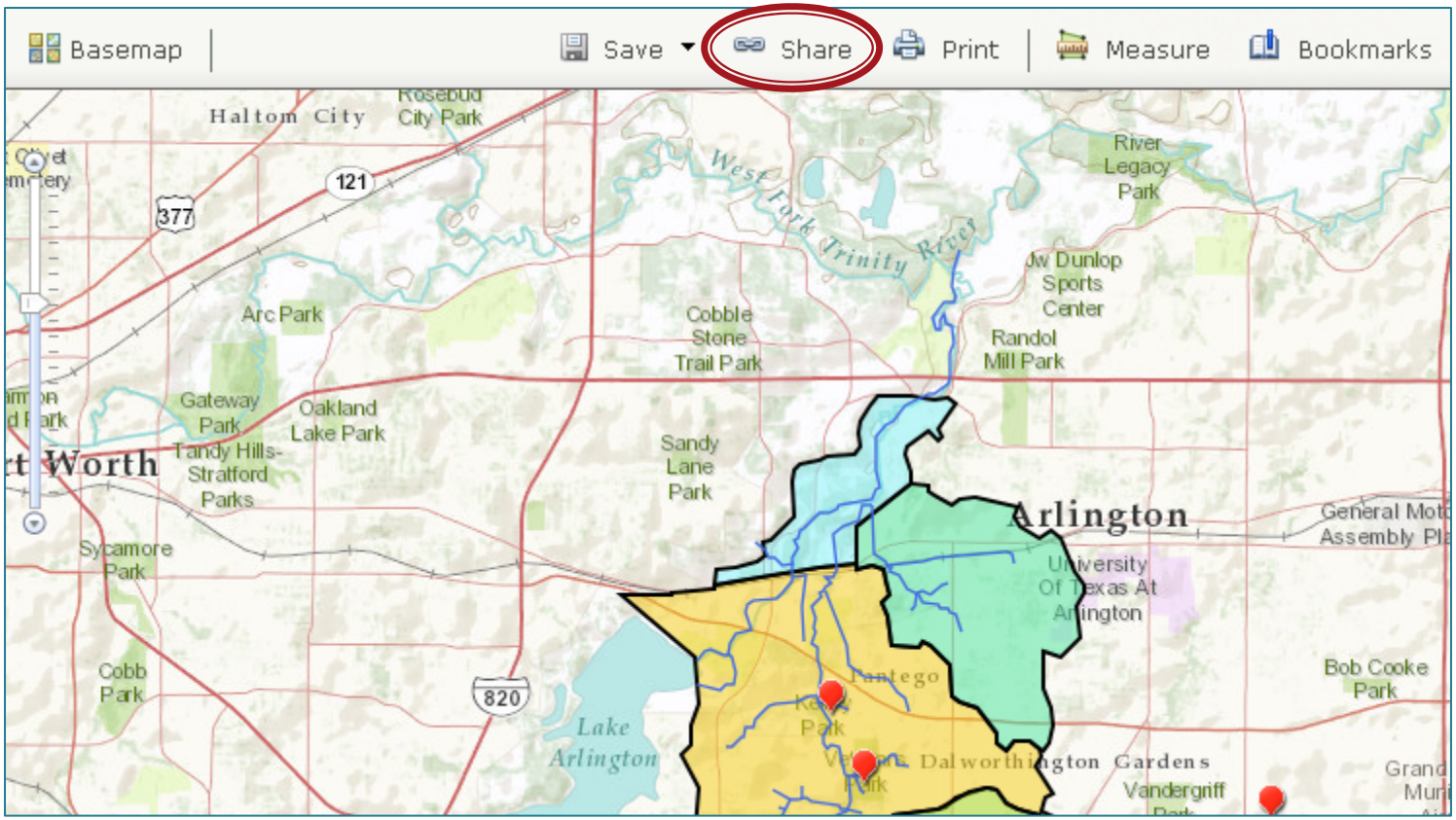
# Add Layer from AGO

# Configure Features



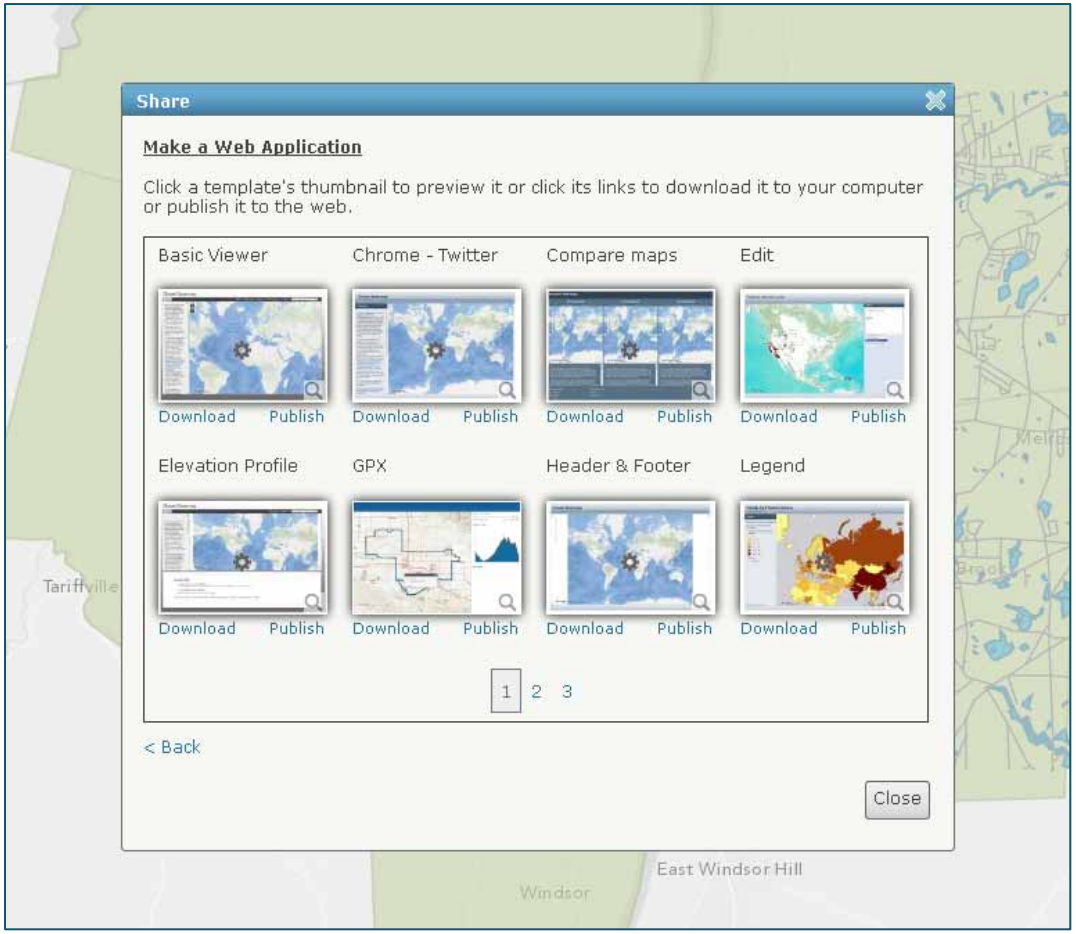

- Transparency
- Color
- Scale Visibility Range
- Legend Names
- Configure Pop-ups

# Sharing your Web Map

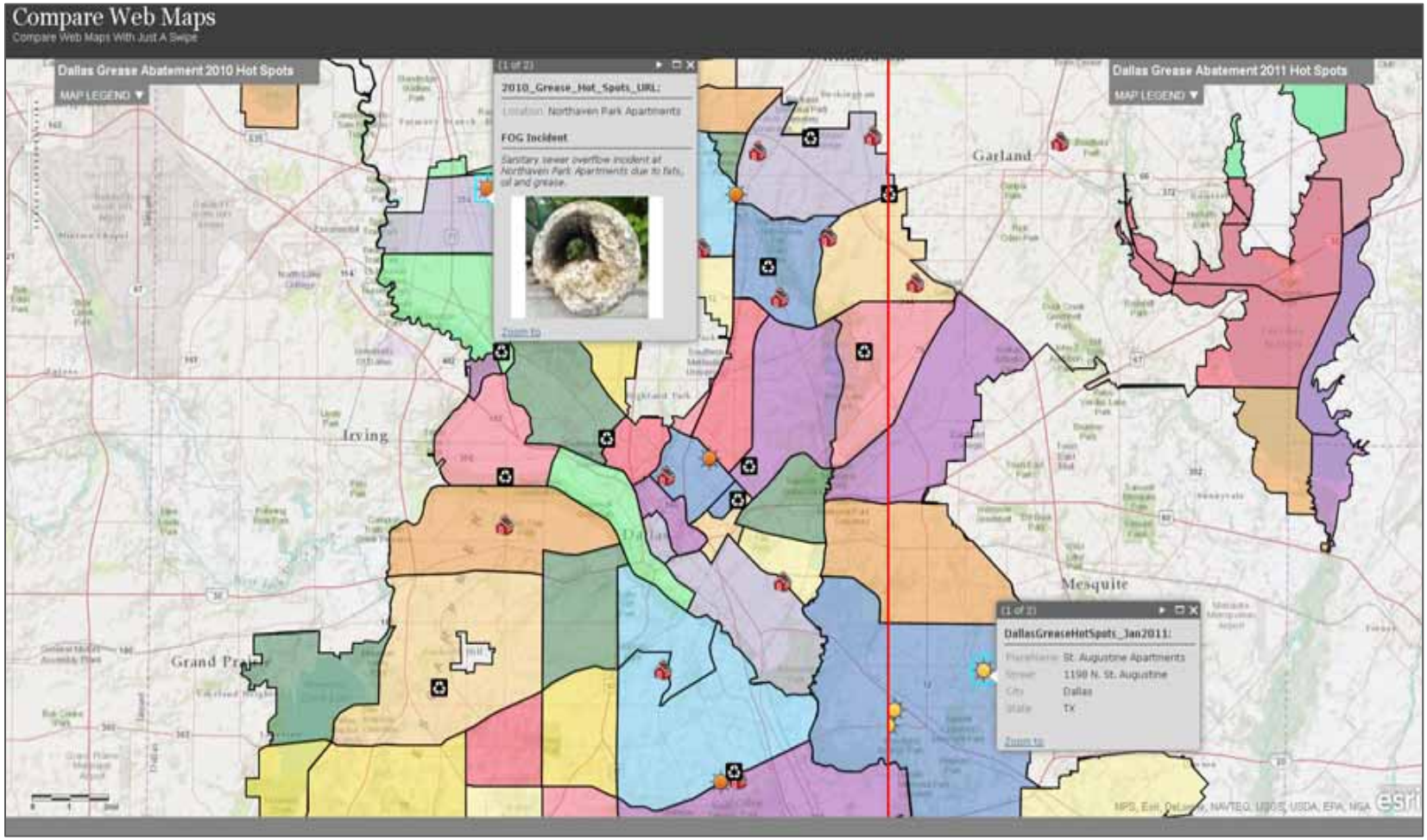


# Web Application

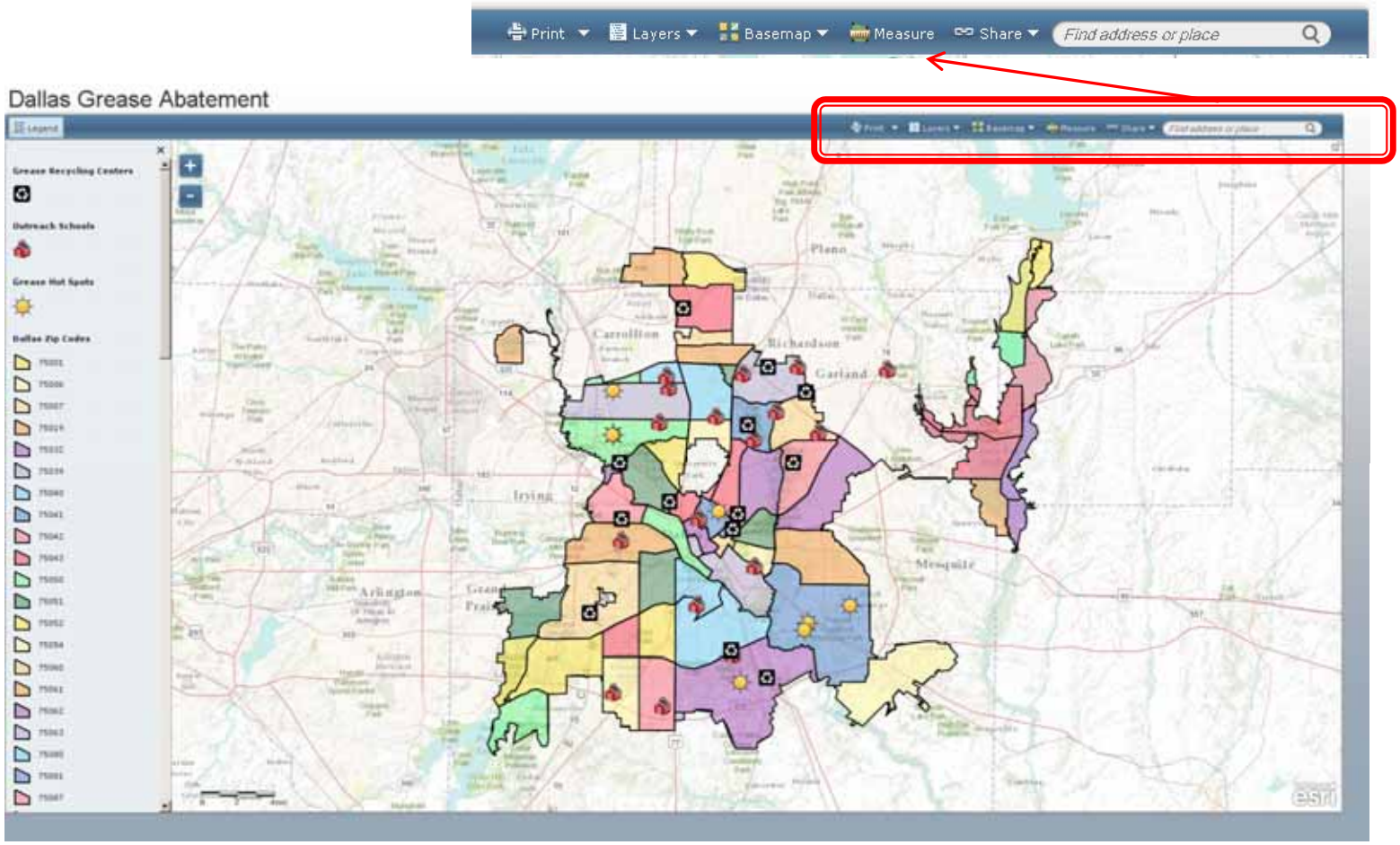
# Select Web Application Template



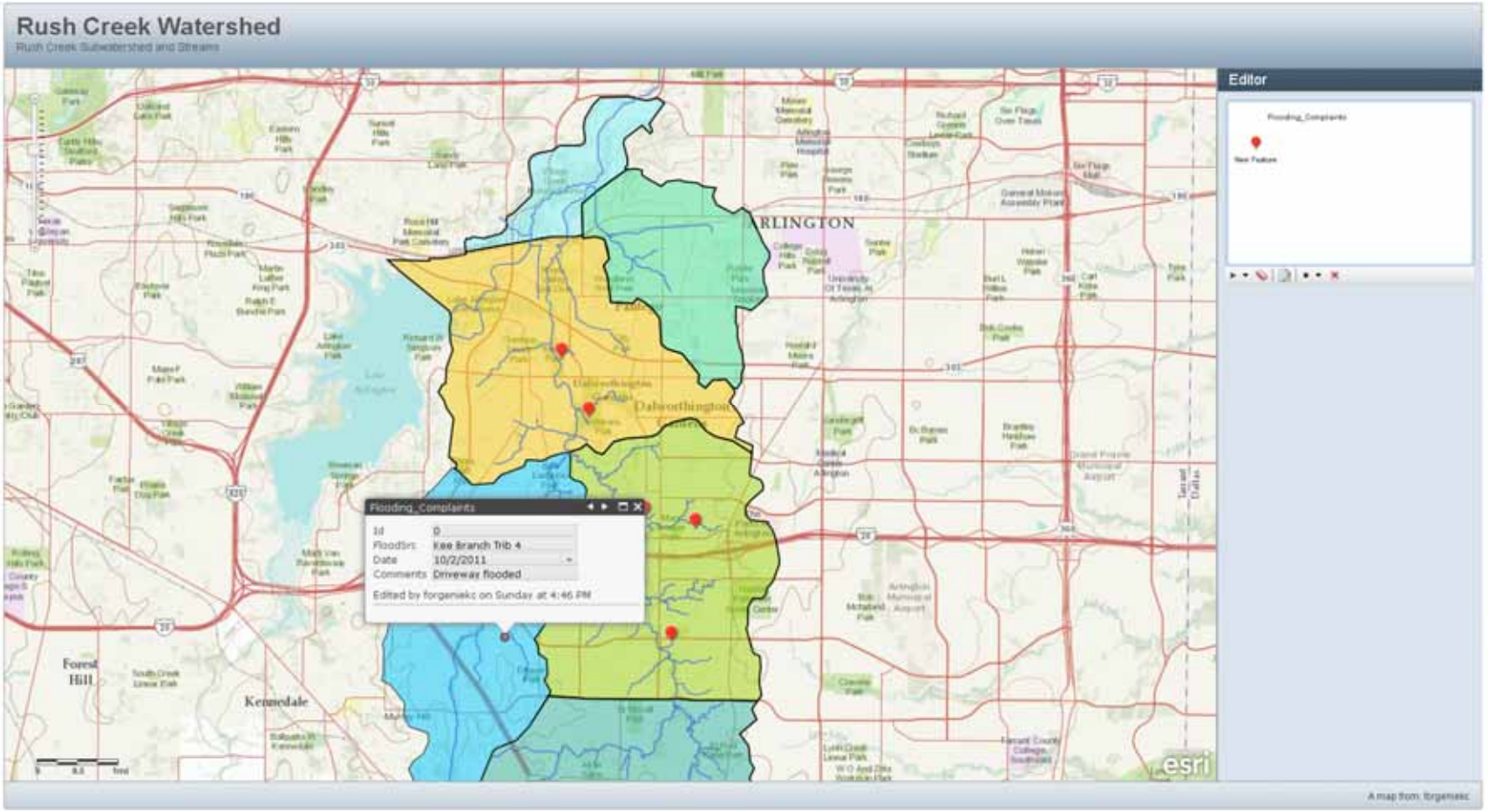
# Compare Template



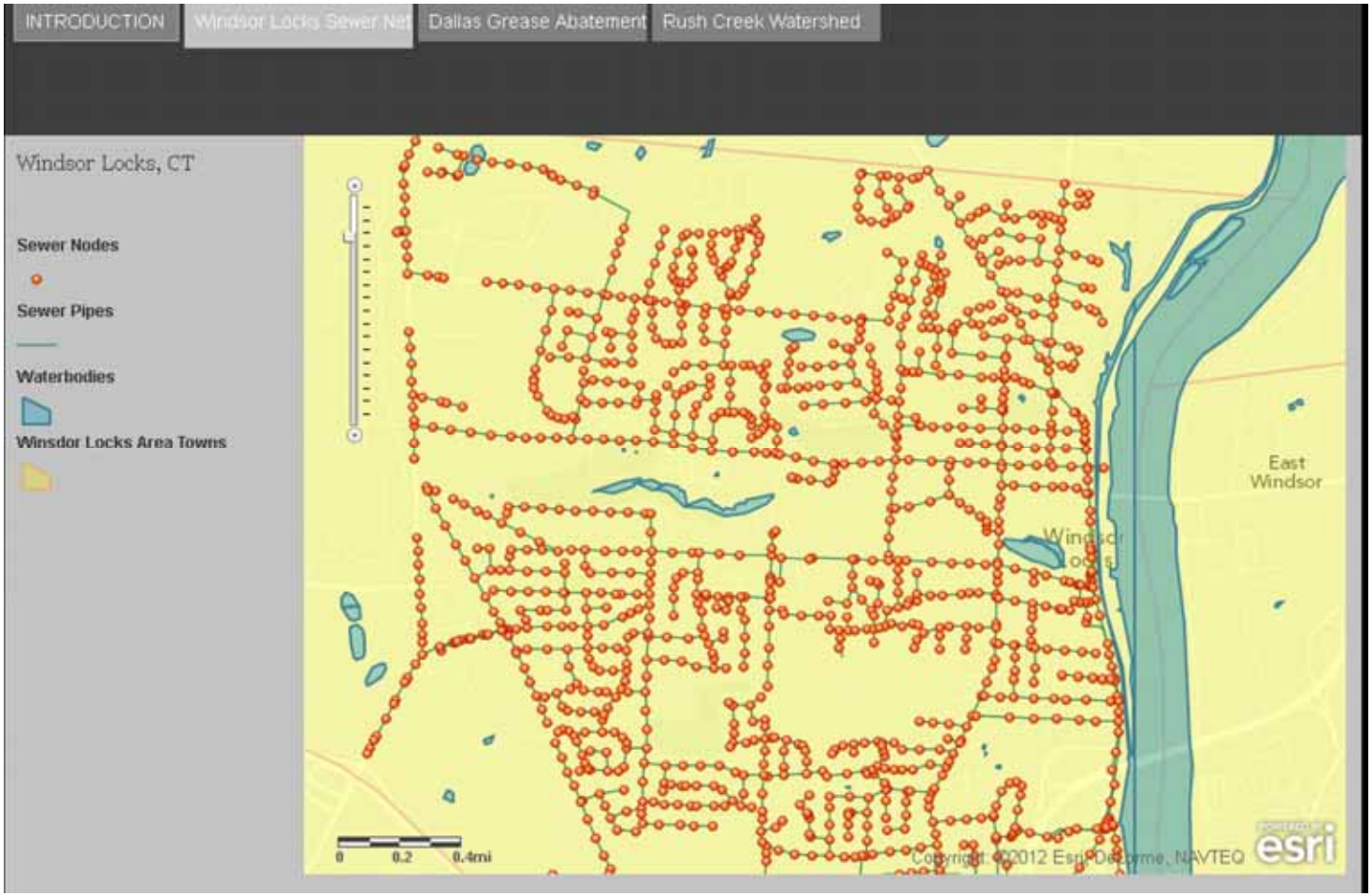
# Dallas Grease Abatement App



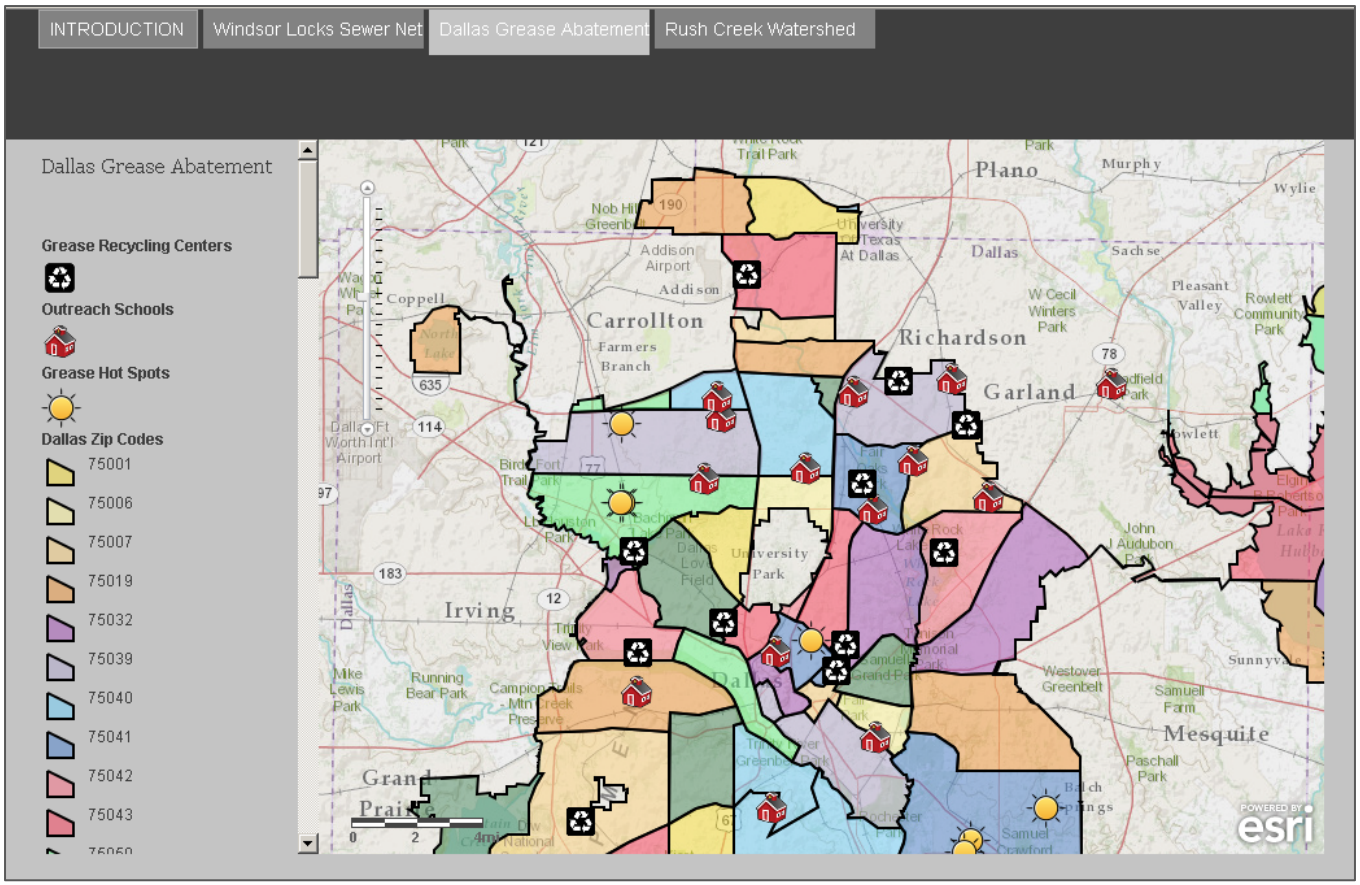
# Rush Creek with Editor Template



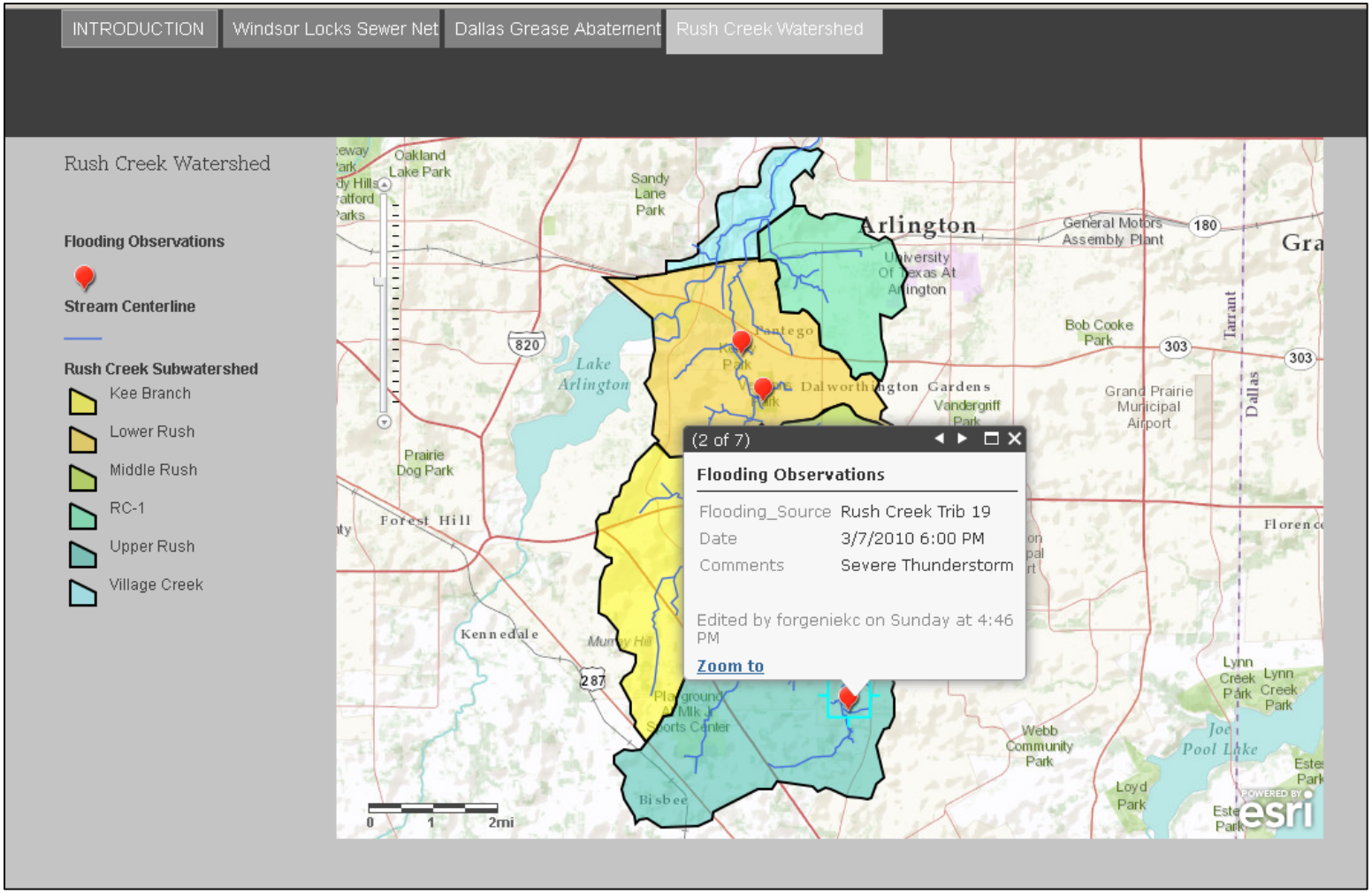
# Storytelling – Tabbed App



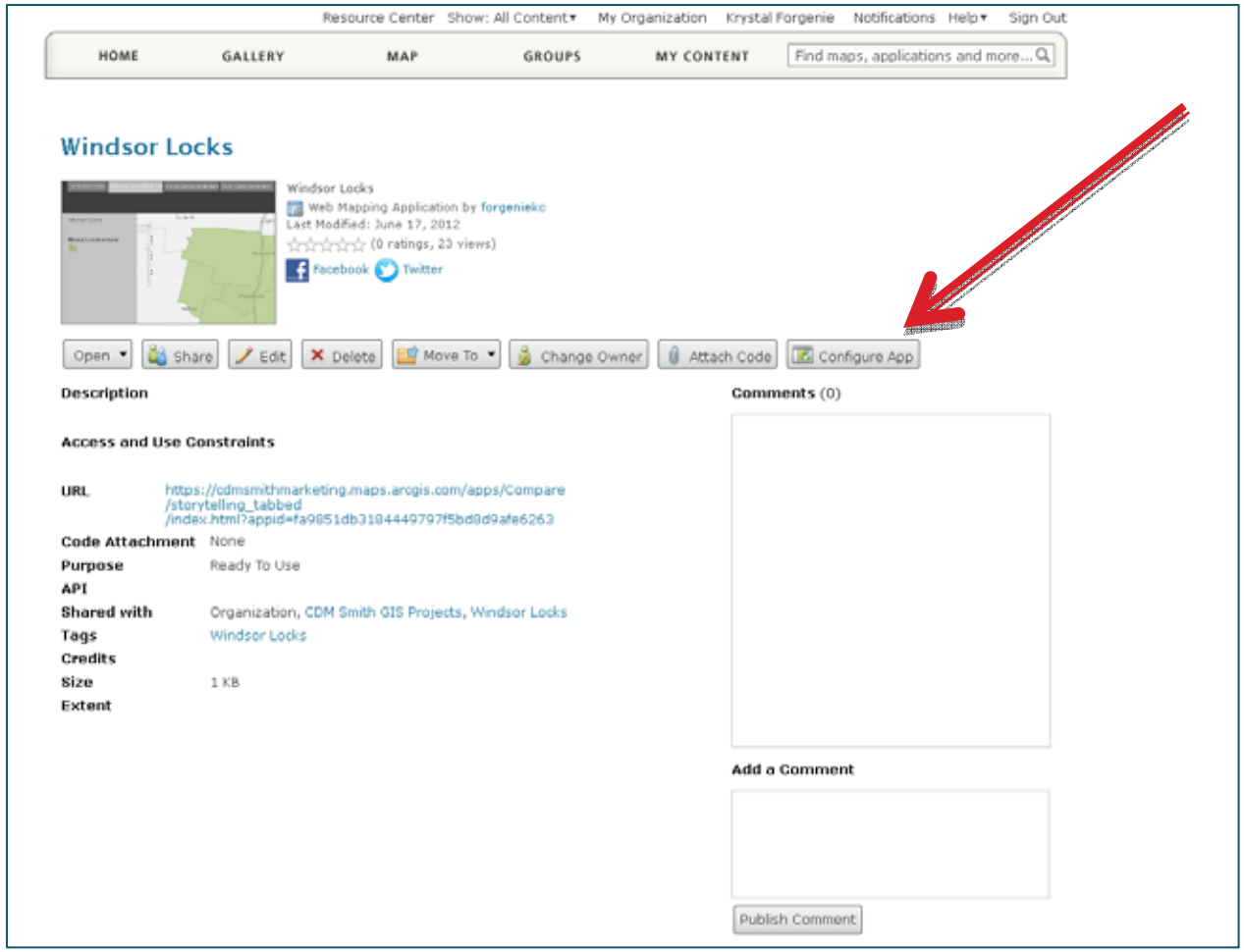
# Dallas Grease Abatement



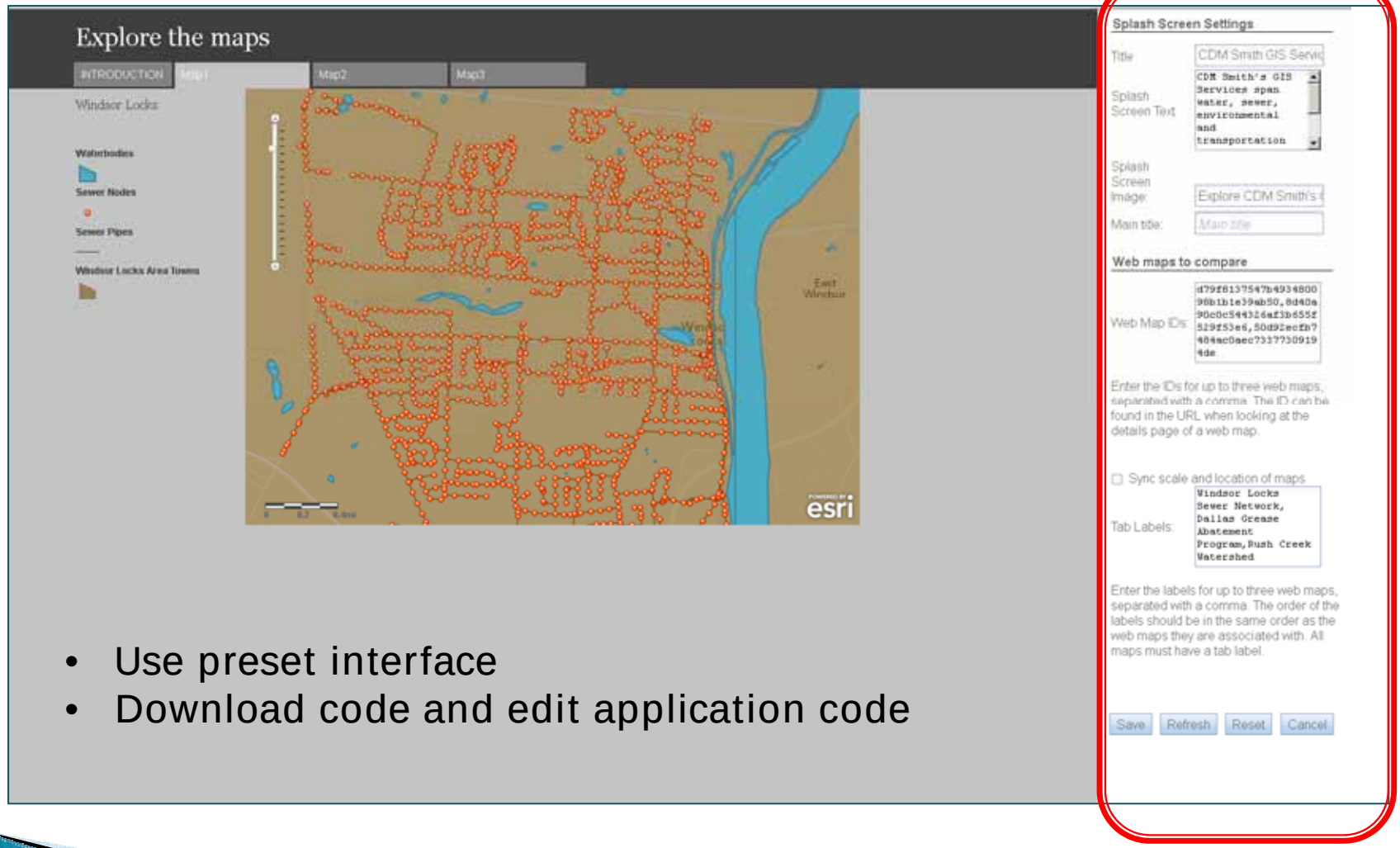
# Rush Creek


INTRODUCTION
Windsor Locks Sewer Net
Dallas Grease Abatement
Rush Creek Watershed
Rush Creek Watershed
Flooding Observations
Stream Centerline
Rush Creek Subwatershed
Kee Branch
Lower Rush
Middle Rush
RC-1
Upper Rush
Village Creek
Oakland Lake Park
Sandy Lane Park
Arlington
General Motors Assembly Plant
University Of Texas At Arlington
Bob Cooke Park
Tarrant
Dallas
Lake Arlington
Dalworthington Gardens
Vandergriff Park
Grand Prairie Municipal Airport
Prairie Dog Park
Forest Hill
Kennedale
Murphy Hill
Playground At Mlk Jr Sports Center
Webb Community Park
Lynn Creek Park
Pool Lake
Loyd Park
Bisbee
0 1 2mi
(2 of 7)
Flooding Observations
Flooding_Source Rush Creek Trib 19
Date 3/7/2010 6:00 PM
Comments Severe Thunderstorm
Edited by forgeniekc on Sunday at 4:46 PM
Zoom to
POWERED BY esri

# Configure App



# App Configuration



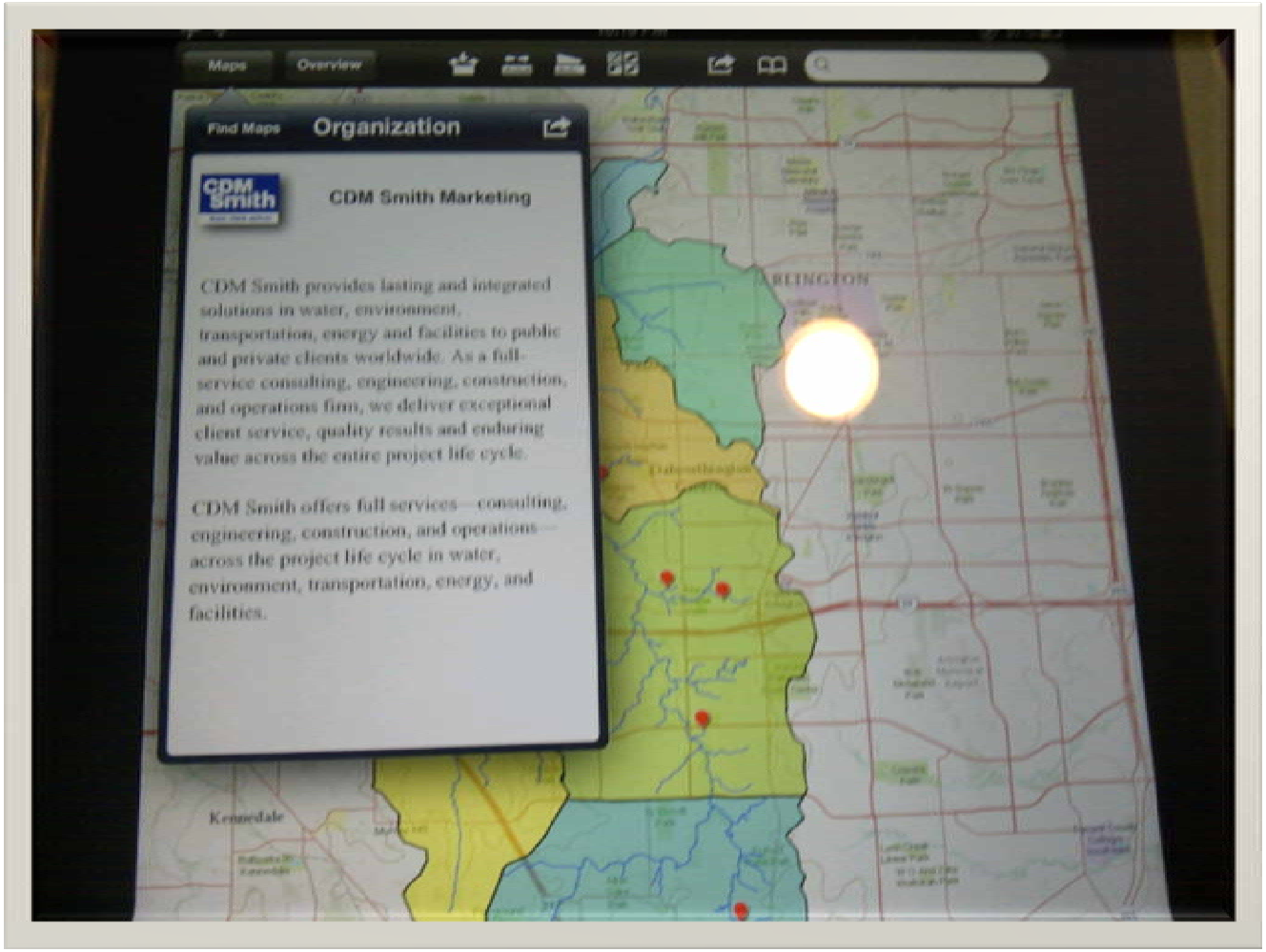

- Use preset interface
- Download code and edit application code

# ArcGIS Mobile Application

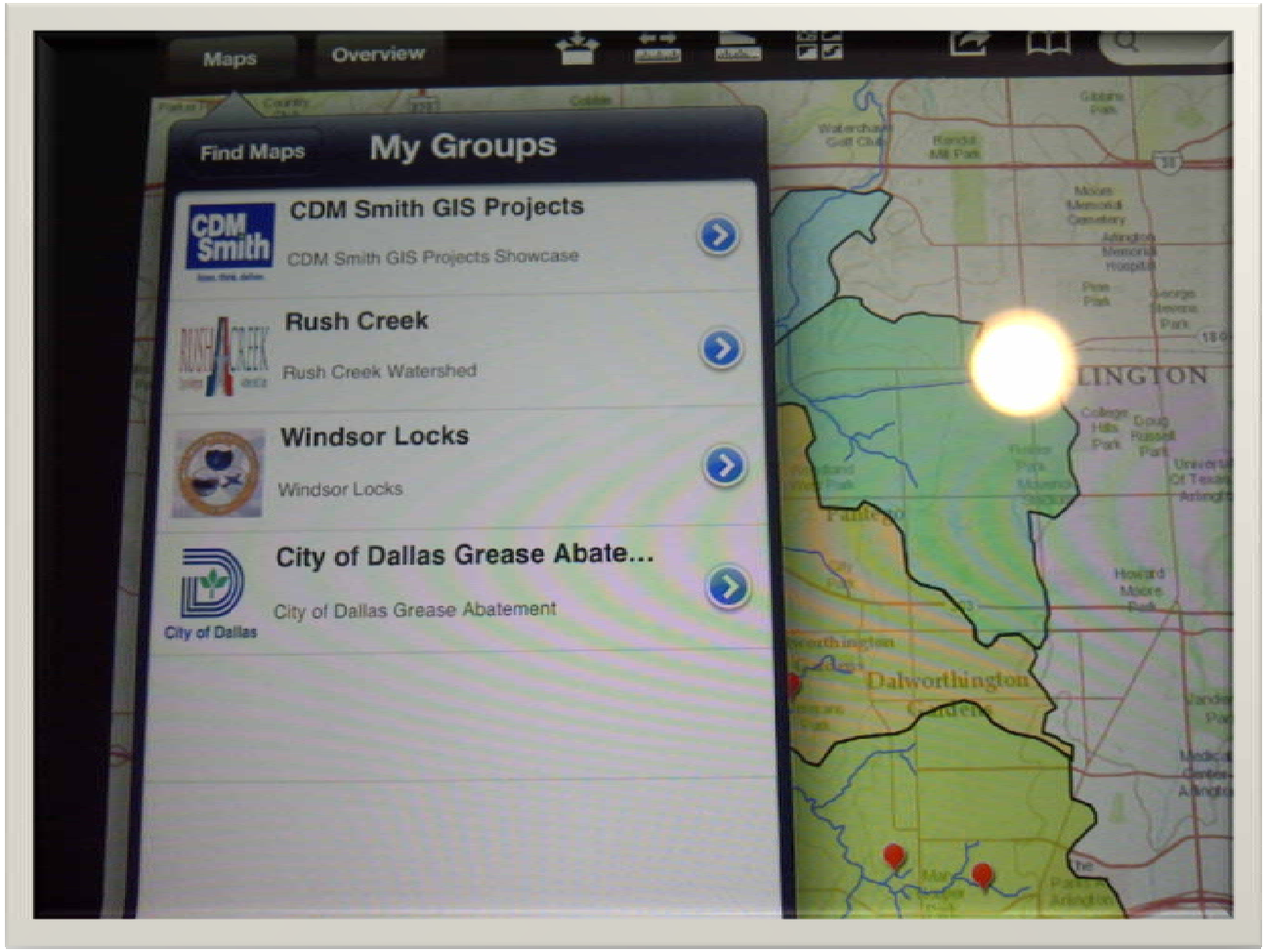
- ArcGIS Mobile Application available for
  - Apple Devices (iPhone, iPod and iPad)
  - Android
  - Windows Phone
- Support organizational accounts

If you don't have it yet, check here:
http://www.esri.com/software/arcgis/smartphones

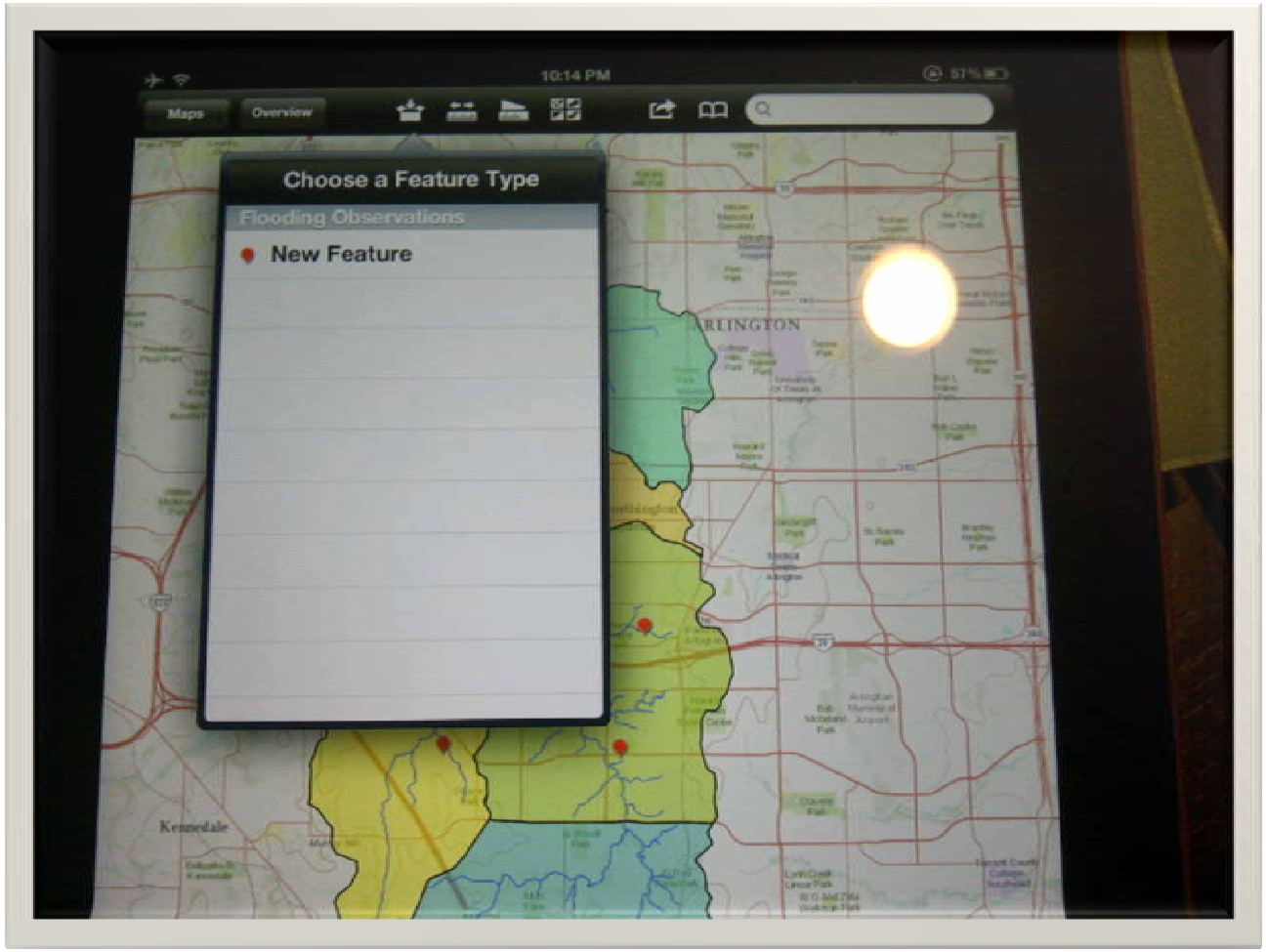
# CDM Smith Organization view from iPad



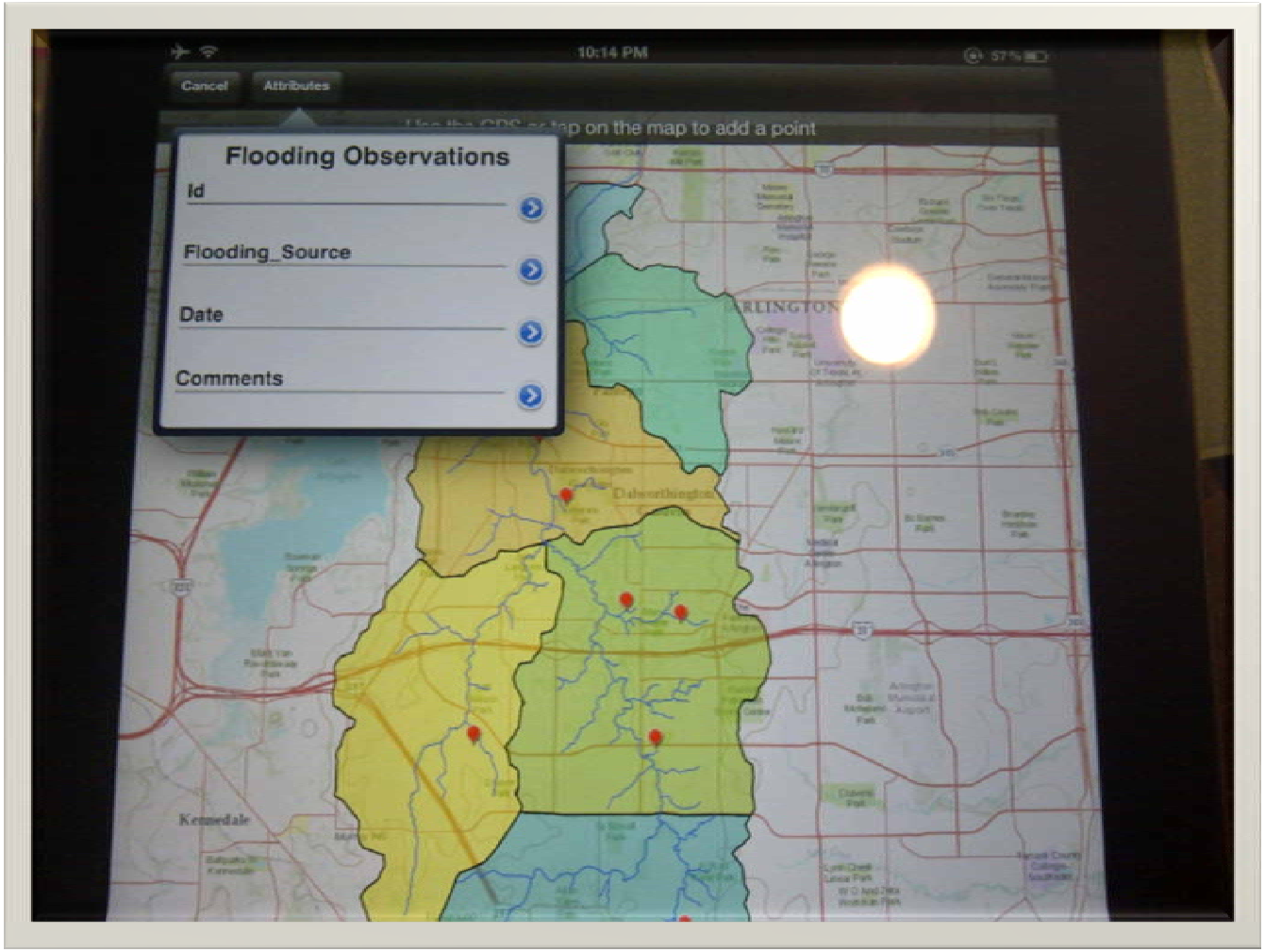
# CDM Smith Groups from iPad



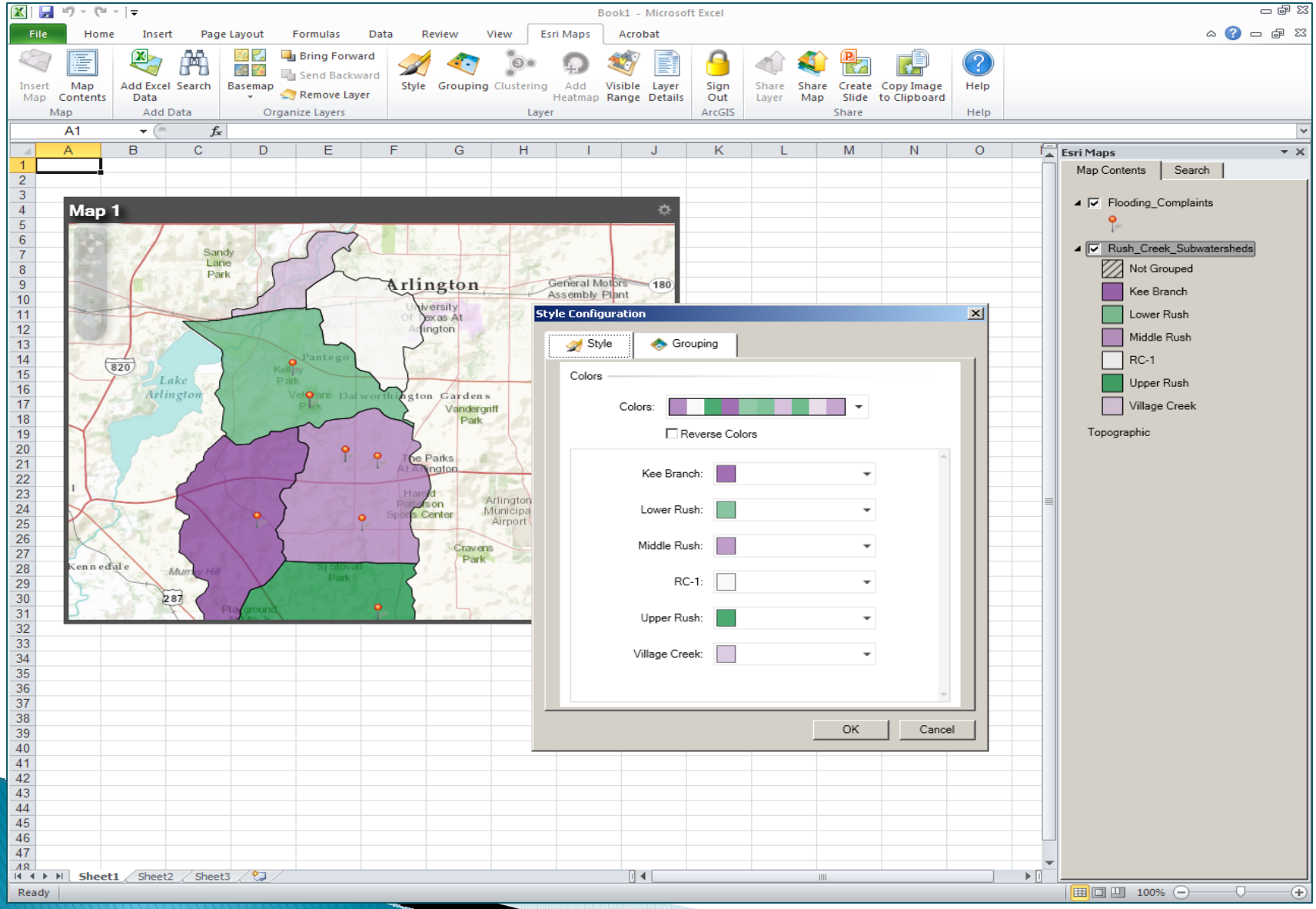
# Allows for mobile data collection



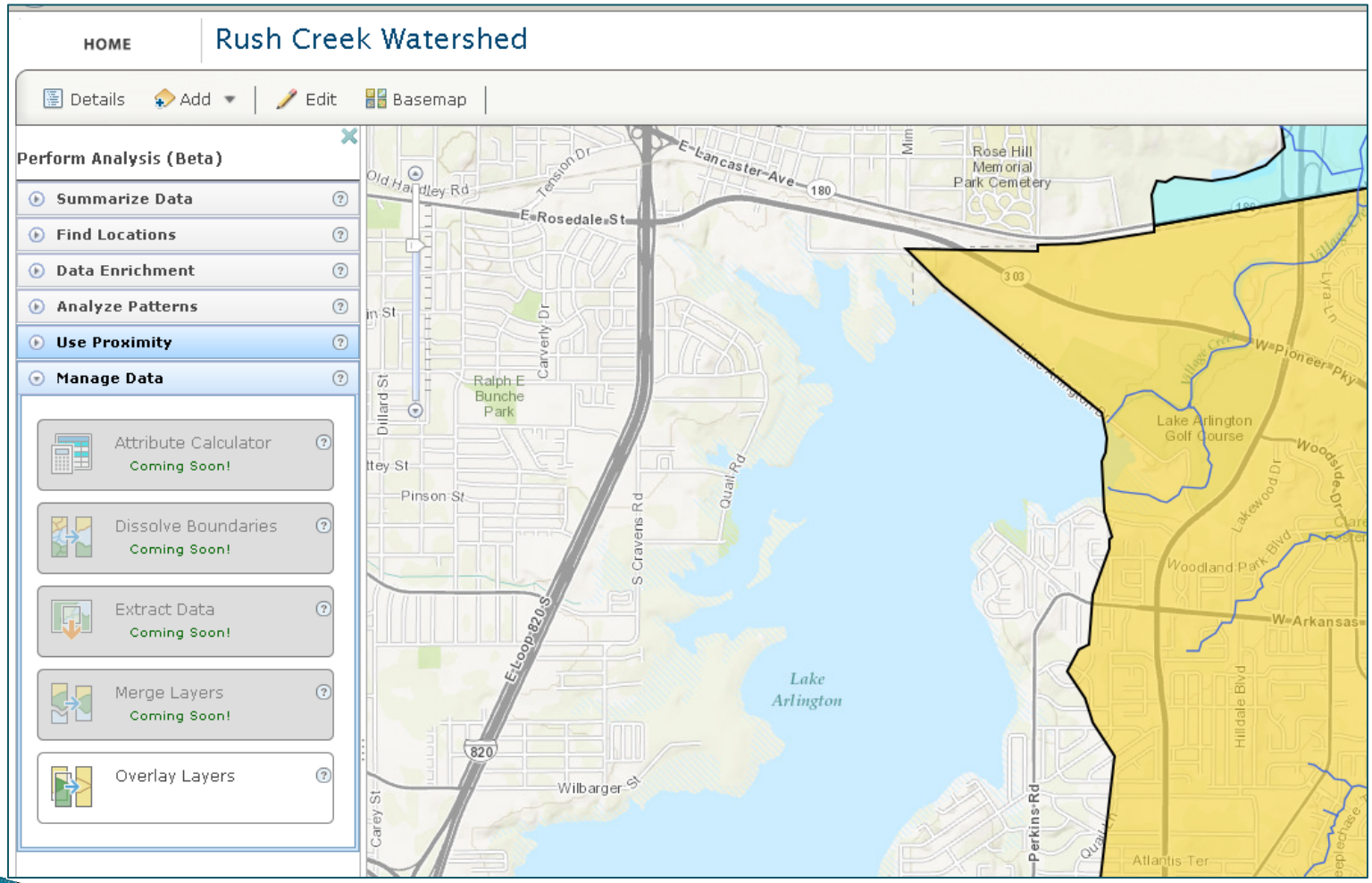
# Attribute new feature



# Integration with Office Products



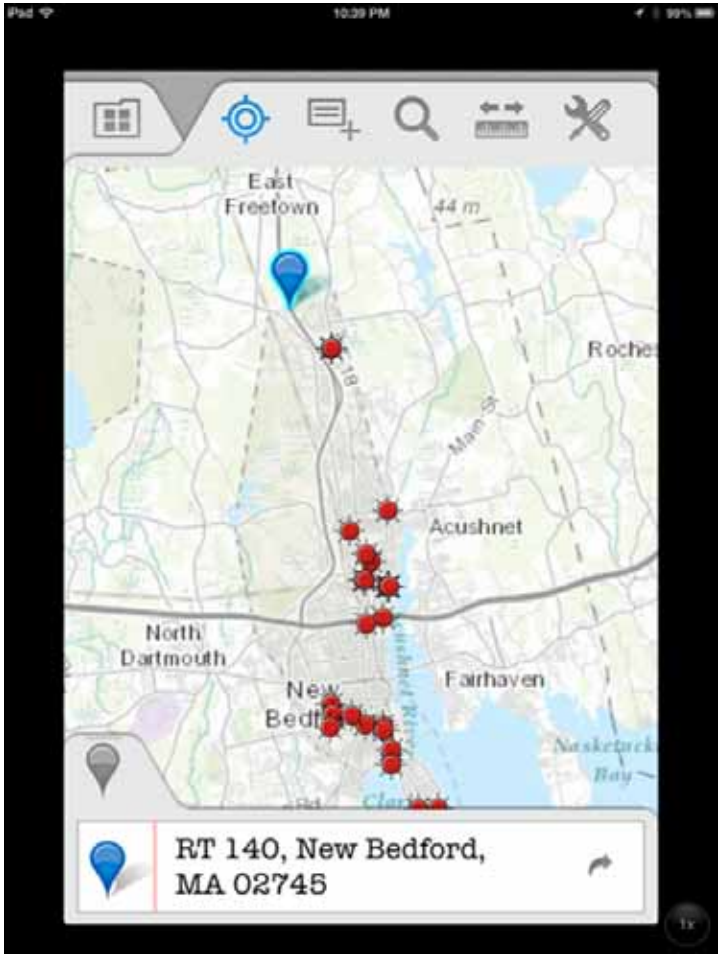
# Coming Soon: Analysis Tools in AGO



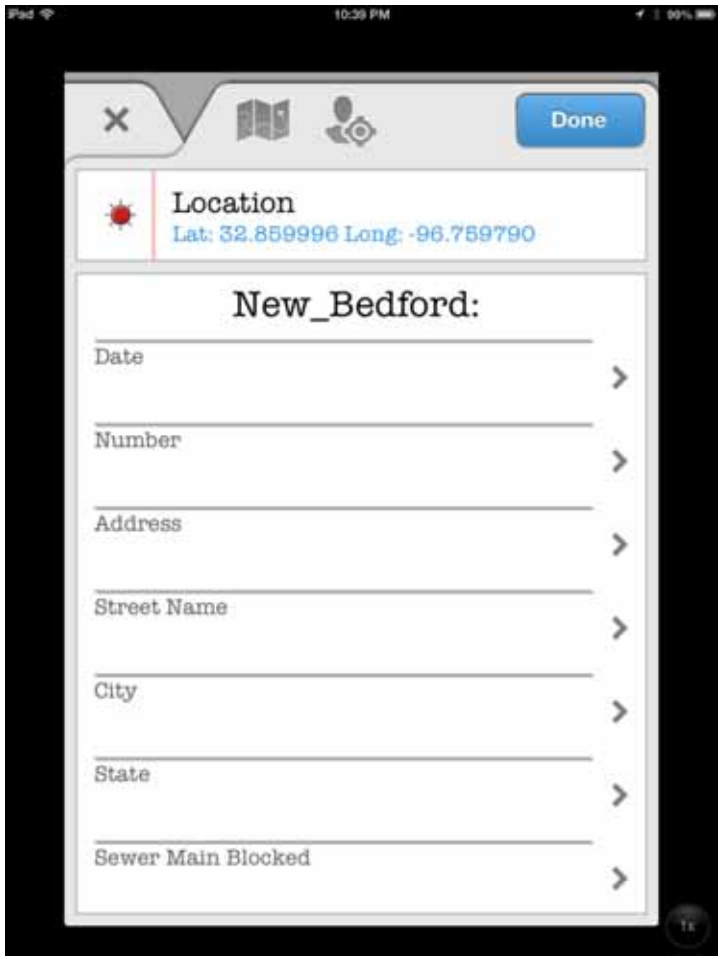
# ArcGIS Collector

- Data Collection tool for AGO
- Customizable forms
- Basic Tools
  - Basemaps
  - Measure Tools
  - Turn by Turn directions
  - Bookmark locations
- Ability to work with Operations Dashboard

# AGO Collector Map



# Collector Form



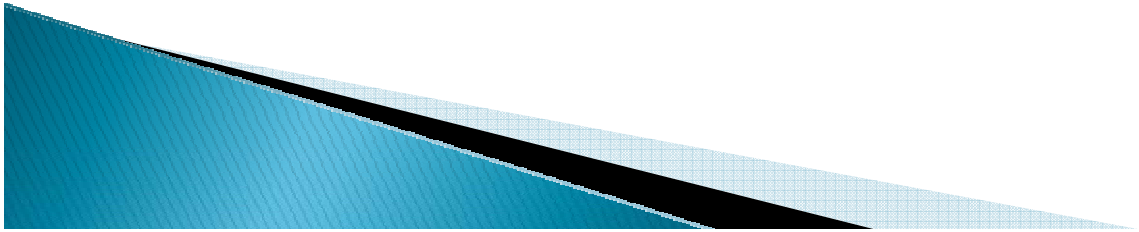
# Credits

| Service | Service Credits Used |
|---|---|
| Map Tile Generation | 1 credit per 1,000 tiles generated |
| Feature Services | 2.4 credits per 10 MB stored per month |
| Tile and Data Storage | 1.2 credits per 1 GB stored per month |
| Data Transfer (outbound) | 6 credits per 1 GB |
| Tile Loading | 1 credit per 12,000,000 tiles |
| Geocoding | 80 credits per 1,000 geocodes |
| Simple Route Service | 200 credits per 1,000 simple routes |
| Optimized Route Service | 500 credits per 1,000 optimized routes |
| Drive-Time (Service Areas) Service | 500 credits per 1,000 drive-times (service area) |
| Closest Facility Service | 500 credits per 1,000 closest facilities |
| Multi-Vehicle Routing (VRP) Service | 2,000 credits per 1,000 VRP routes |
| Geographic Data Enrichment | 60 credits per 1,000 data variables |
| Infographics | 60 credits per 1,000 data variables |

http://www.esri.com/software/arcgis/arcgisonline/credits

# Lessons Learned

- Browser Compatibility
  - Works best with Firefox & Chrome
- Check the box that says stay signed in
- Invitations go to your junk mail folder
- Removing a user removes all of their content

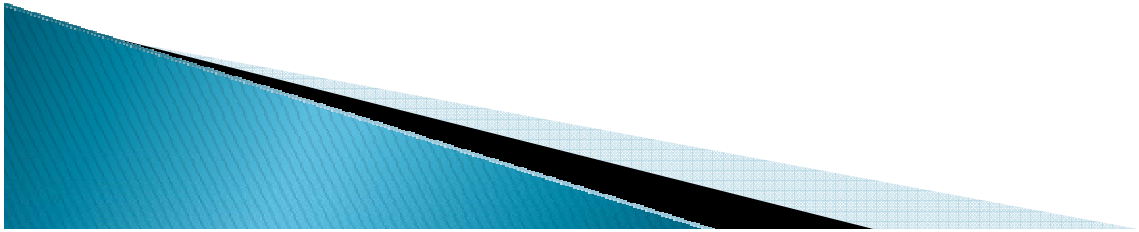


# Conclusion

- Improves data sharing
- Increases accessibility
- Creates efficient way to:
  - Create
  - Publish
  - Manage
- Increases transparency
- Increases productivity

# Thank You!

- SCAUG
- Attendees



# Questions?

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