# ENVIRONMENTAL DATA AT YOUR FINGERTIPS,

# HOW AN ARCGIS ONLINE SUBSCRIPTION IS USED TO MEET DEQ'S DATA SHARING NEEDS

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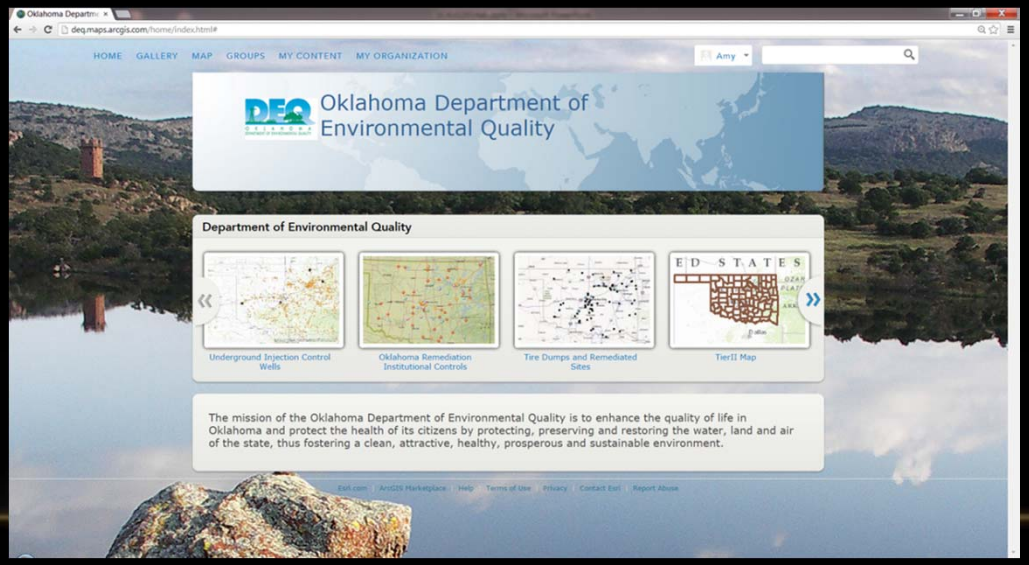
Oklahoma Department of Environmental Quality

OKSCUAG

September 23, 2014

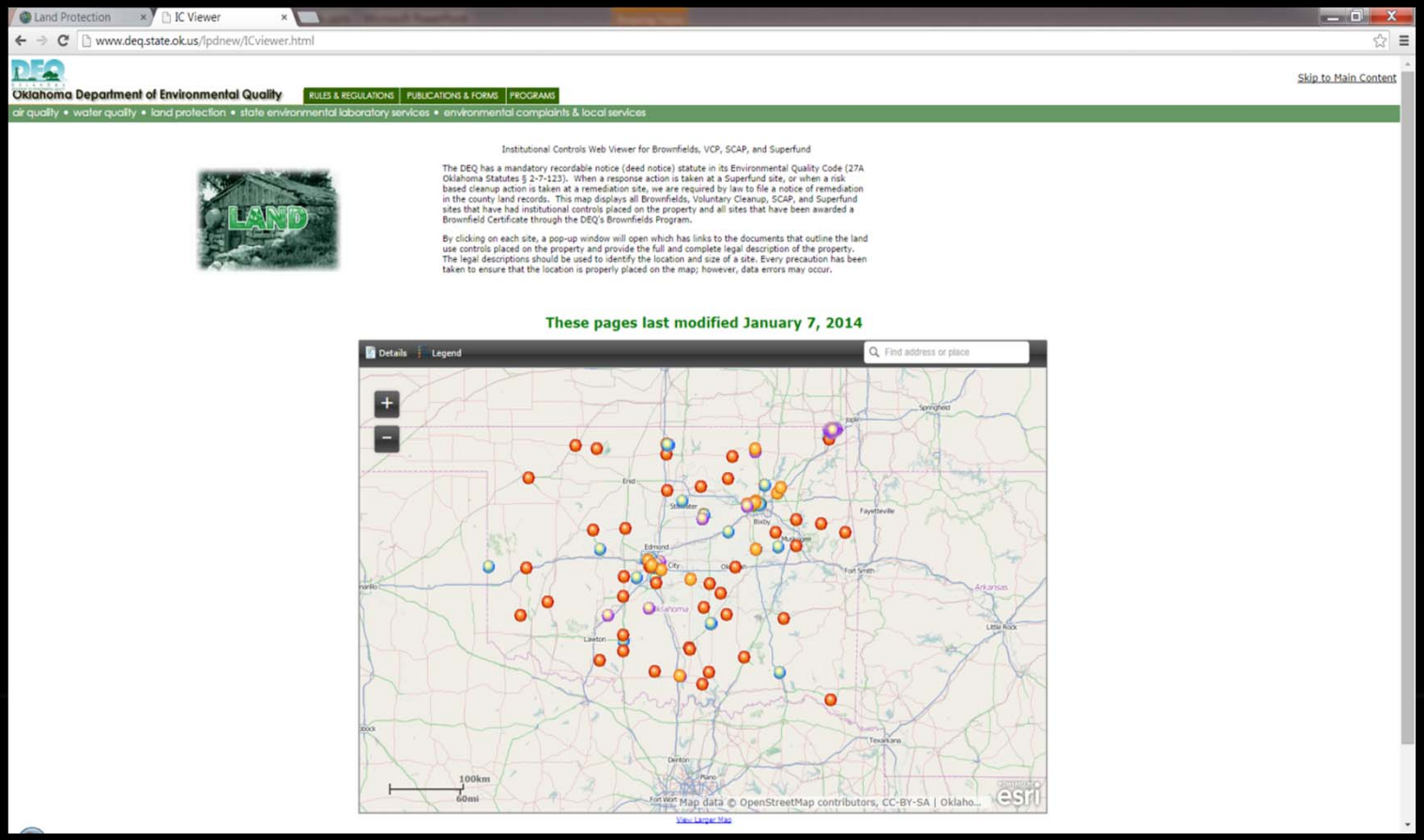
# WHAT IS ARCGIS ONLINE?

- ArcGIS Online is a collaborative, cloud-based platform that allows members of an organization to use, create, and share maps, apps, and data, and access authoritative basemaps by Esri and its partners.



# WHY ARCGIS ONLINE?

- Needed an easy way to make web maps of important new data sets

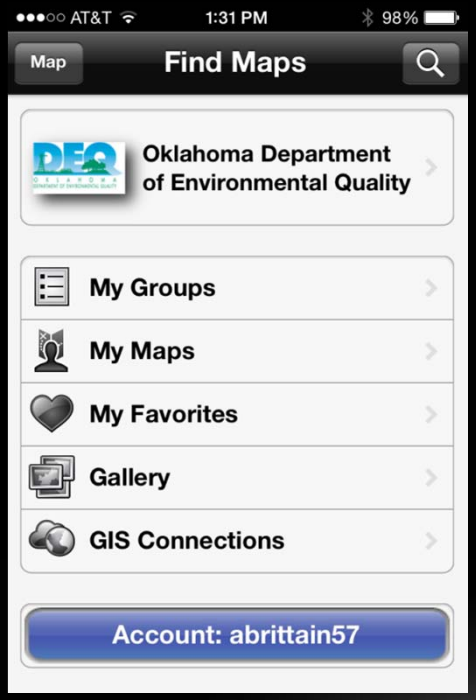


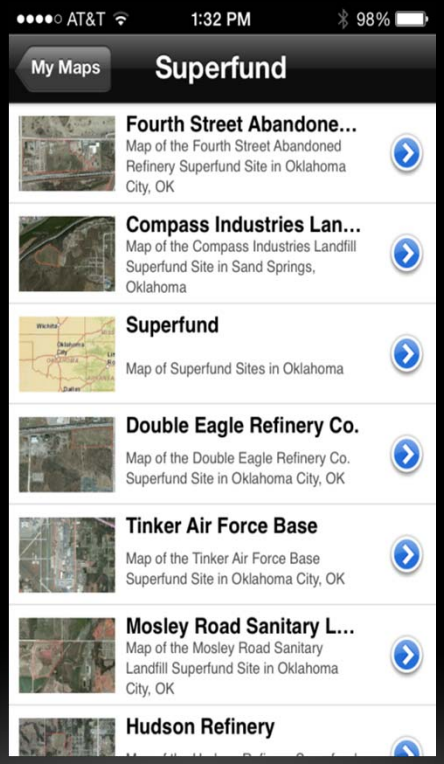
# ADVANTAGES

- Can quickly make web maps and apps
- Can do work without using IT development staff
- Can upload data layers from ArcGIS Server
- Can share maps inside organization only

# ADVANTAGES

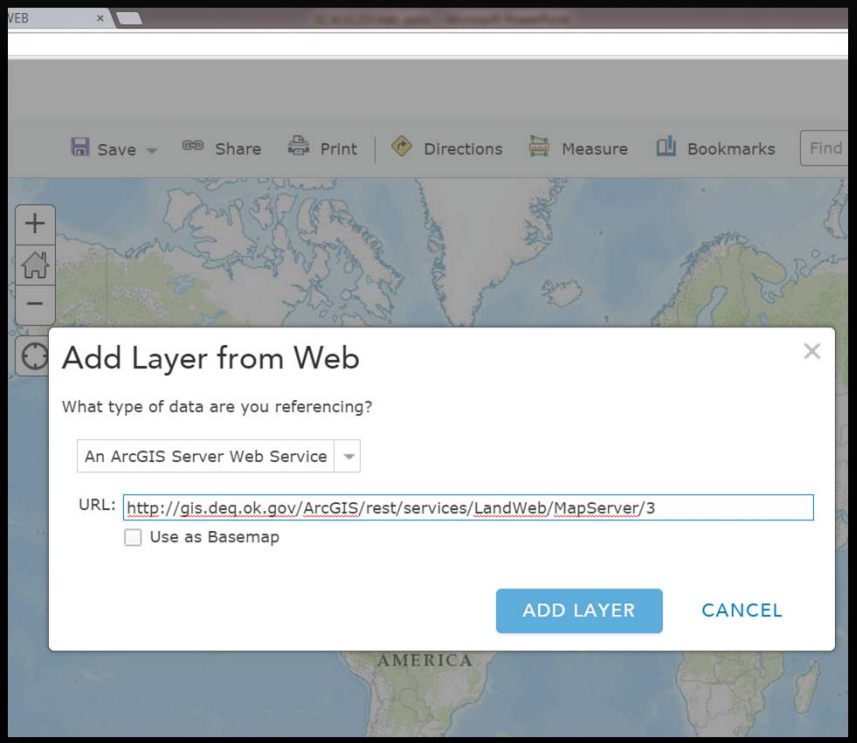
- Can see maps on iOS devices
- Can see maps in the field on mobile devices



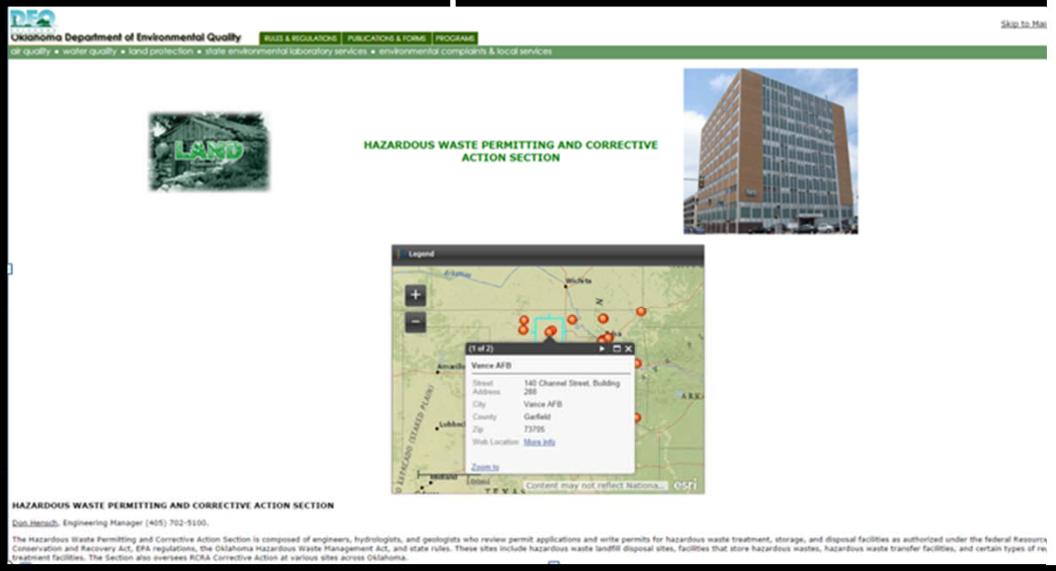
# CHALLENGES FOR FULL IMPLEMENTATION

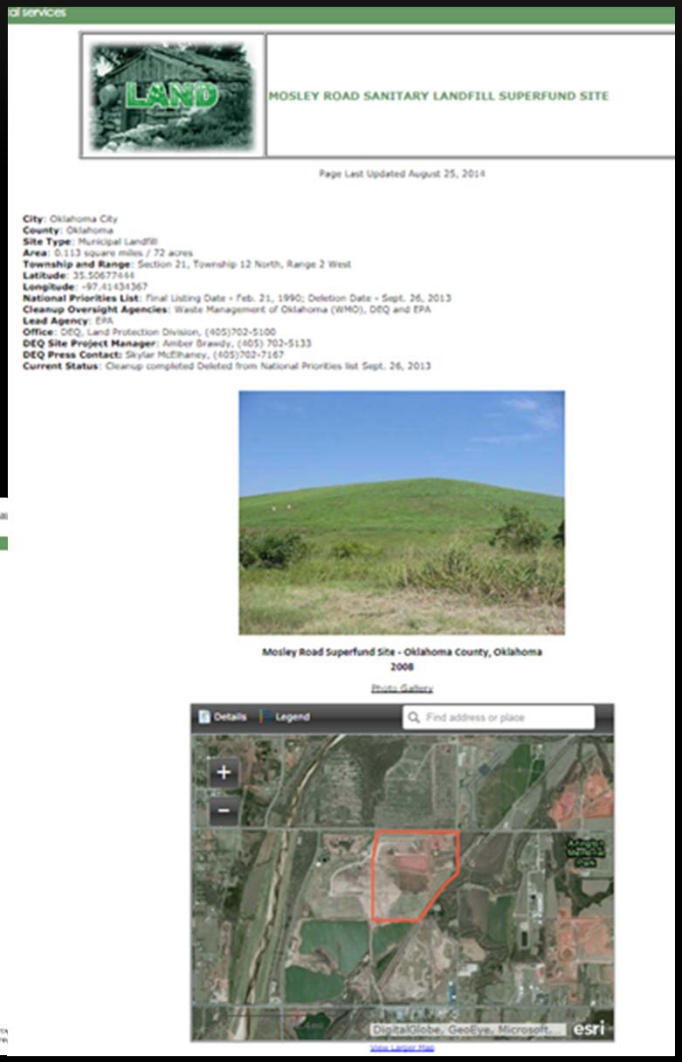
- ArcGIS Online updates can cause maps to stop working
- Adding/deleting data layers in ArcGIS Server can cause problems with maps
- Finding/training new users in each Division/Program



# SET UP PROCESS

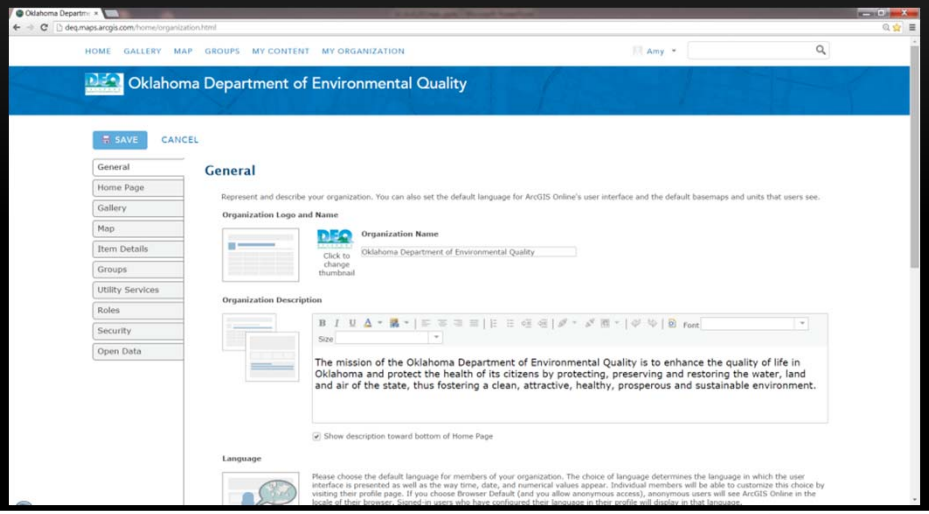
- Started with individual licenses in 2011
- ESRI online classes
- Audited website for places where imbedded maps could be used

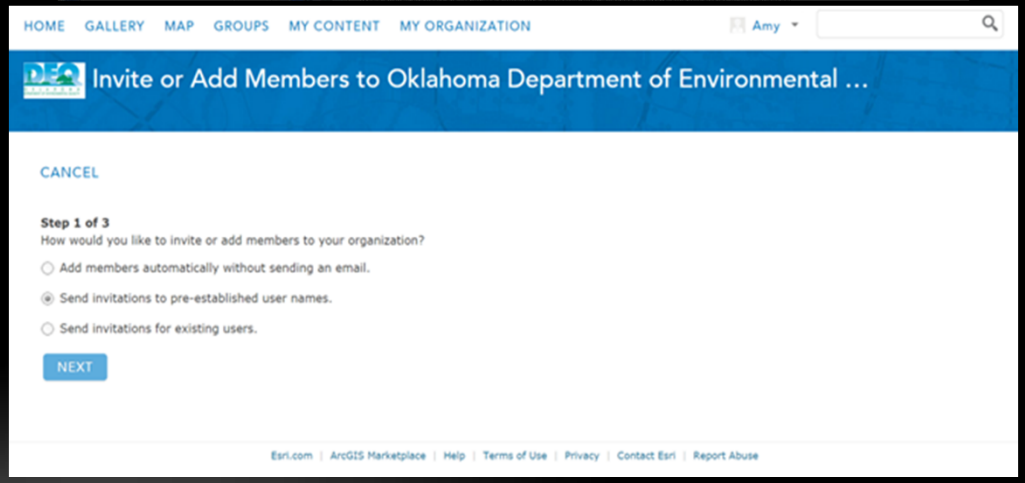


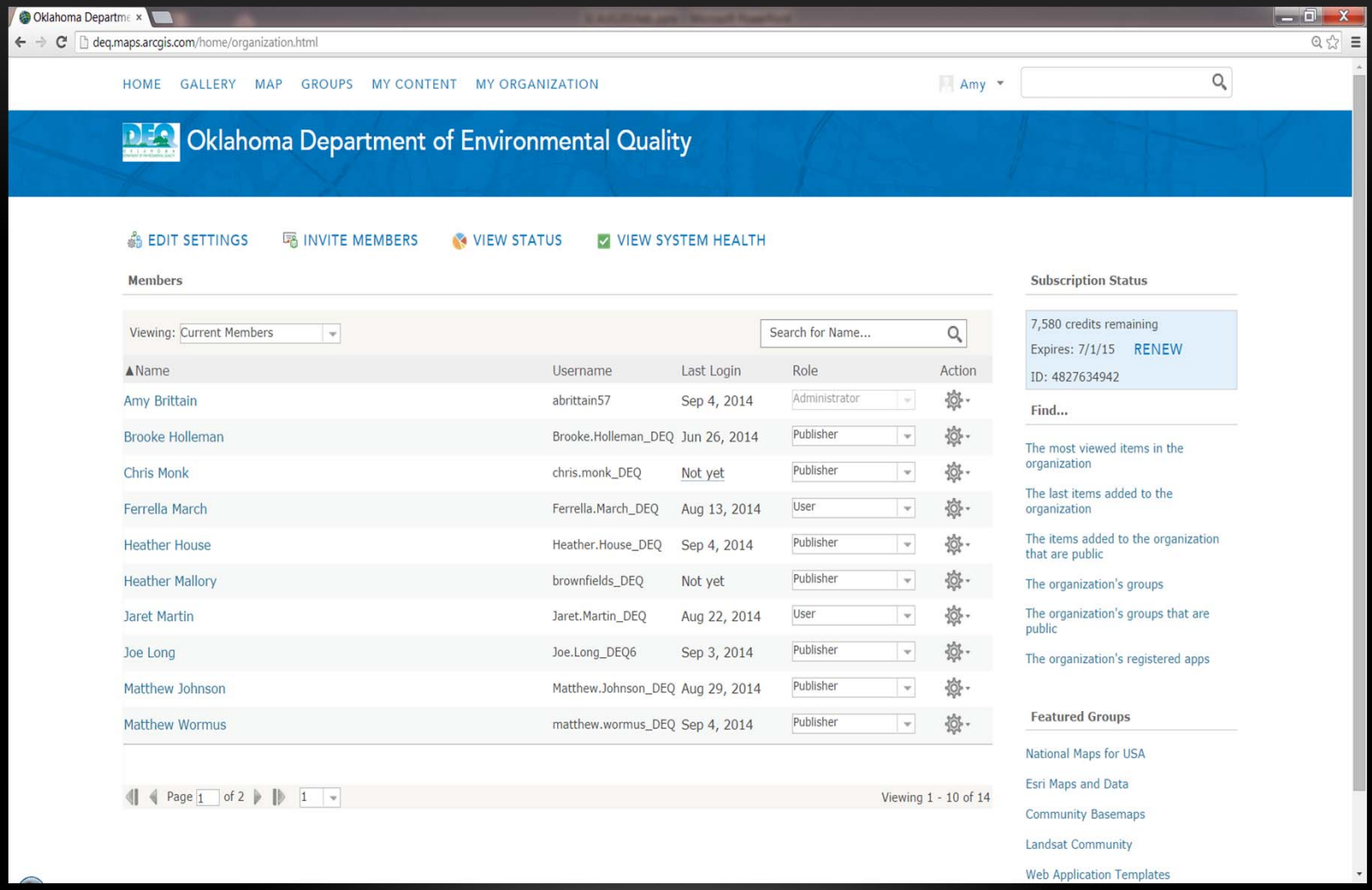
# SET UP PROCESS

- April 2013, DEQ purchased an organizational subscription
- Set up DEQ homepage
- Invited users
- Set up Groups
- Tested out the available features!

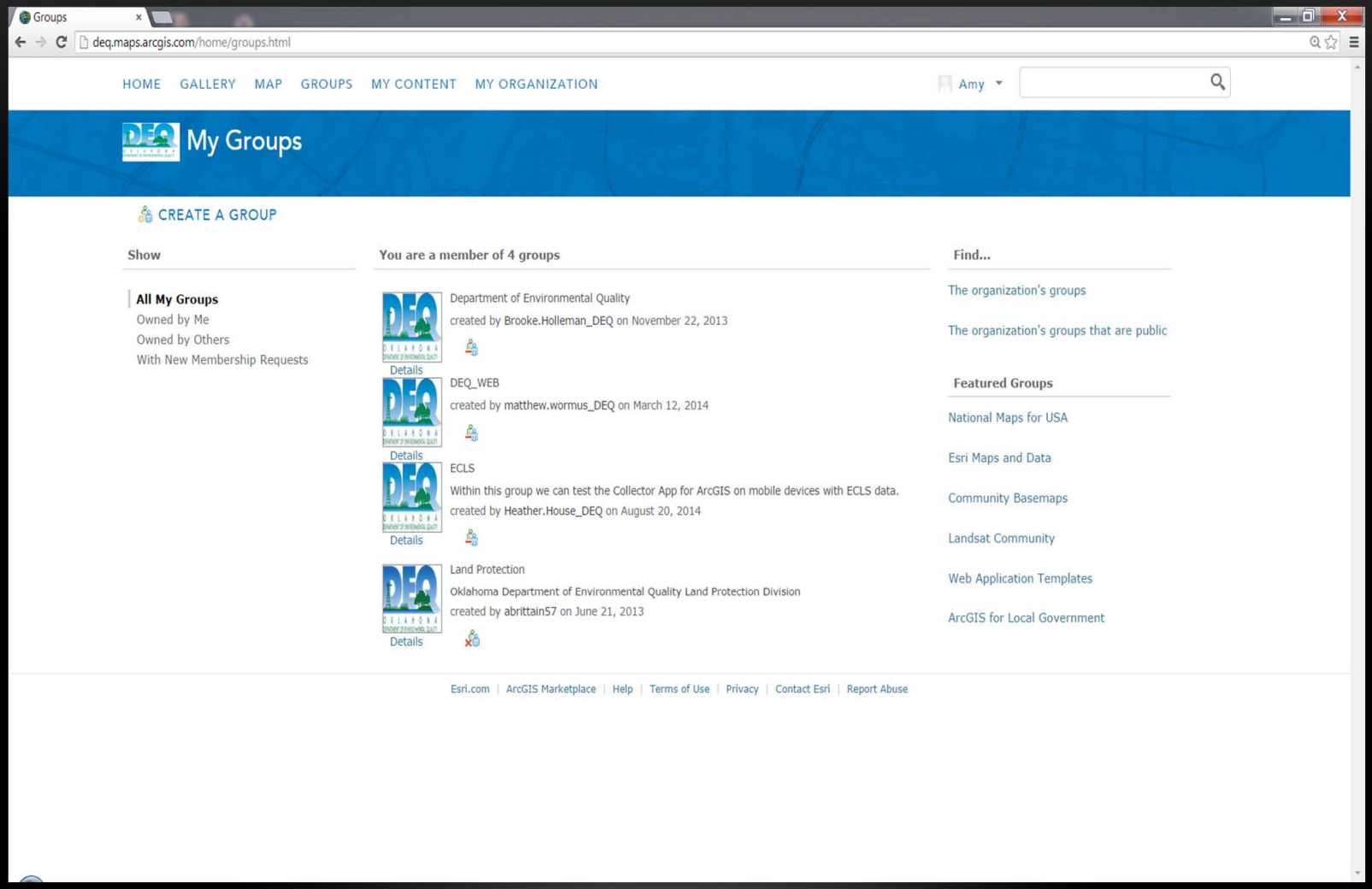


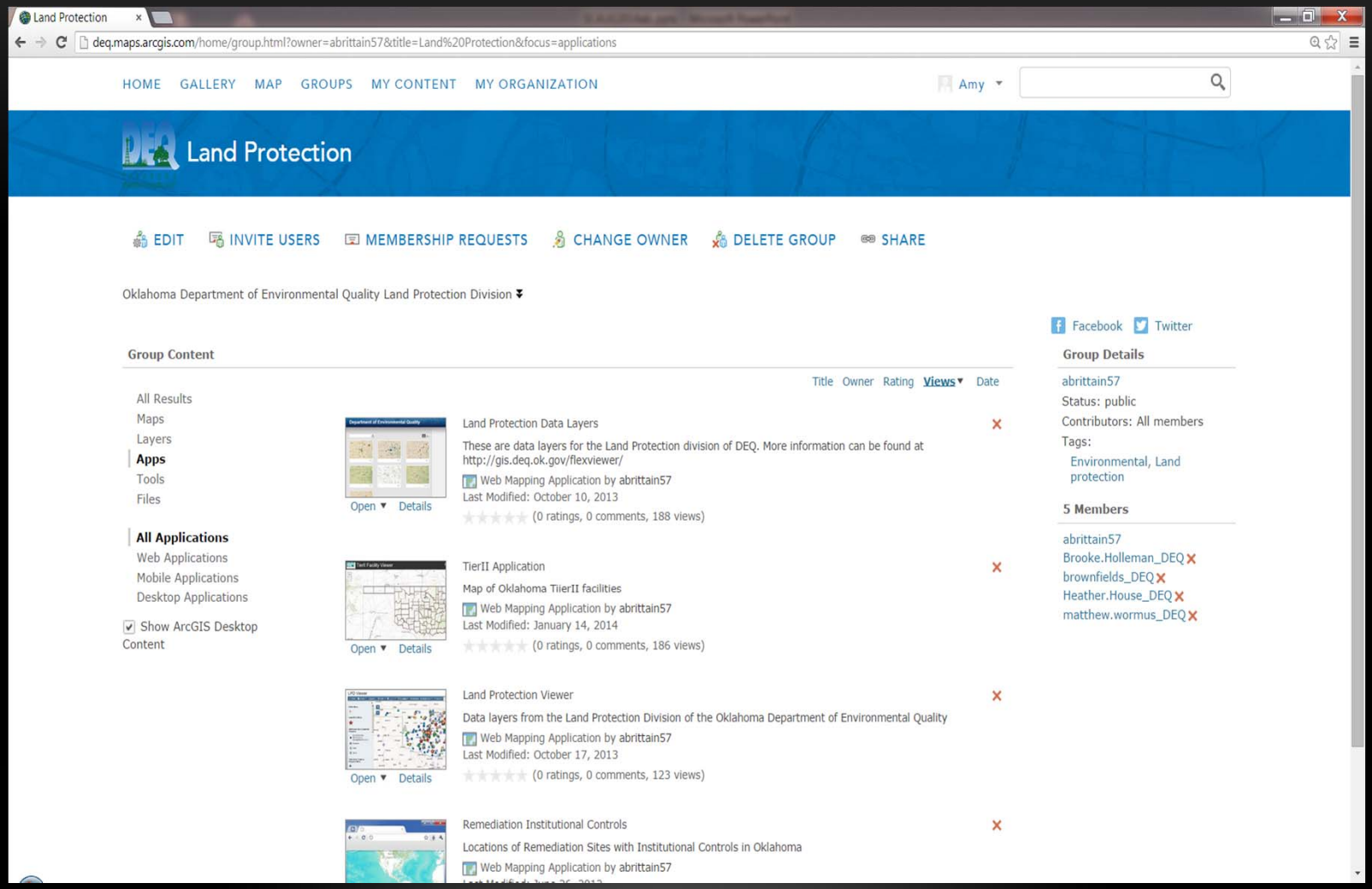
# ORGANIZATION



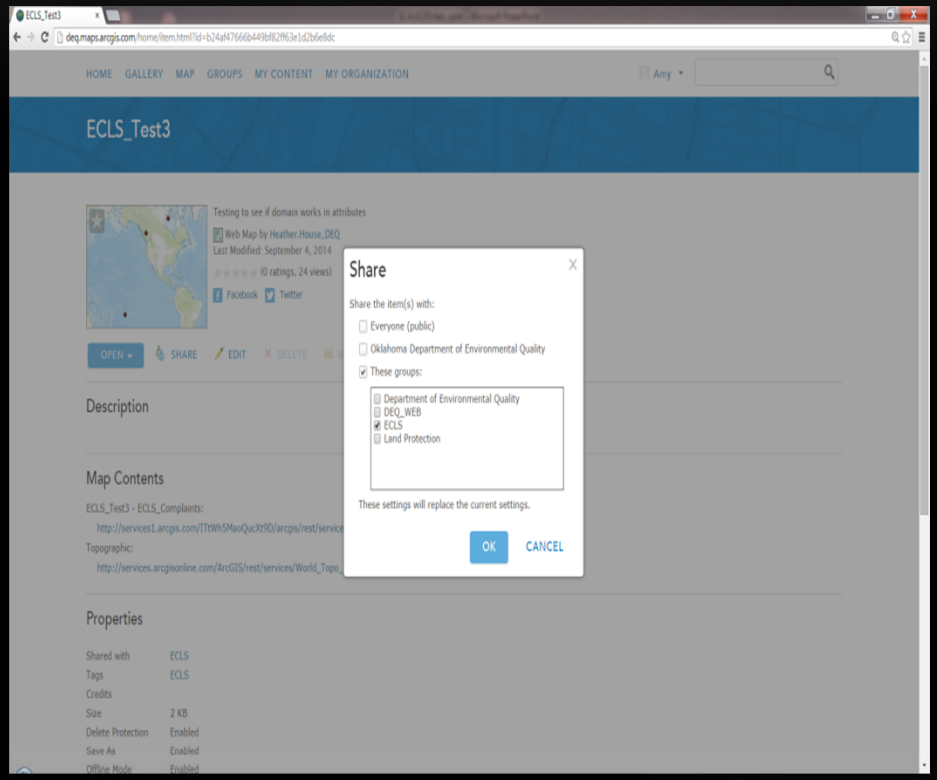
# GROUPS


Groups
deq.maps.arcgis.com/home/groups.html
HOME GALLERY MAP GROUPS MY CONTENT MY ORGANIZATION
Amy
My Groups
CREATE A GROUP
Show
All My Groups
Owned by Me
Owned by Others
With New Membership Requests
You are a member of 4 groups
Department of Environmental Quality
created by Brooke.Holleman_DEQ on November 22, 2013
Details
DEQ_WEB
created by matthew.wormus_DEQ on March 12, 2014
Details
ECLS
Within this group we can test the Collector App for ArcGIS on mobile devices with ECLS data.
created by Heather.House_DEQ on August 20, 2014
Details
Land Protection
Oklahoma Department of Environmental Quality Land Protection Division
created by abrittain57 on June 21, 2013
Details
Find...
The organization's groups
The organization's groups that are public
Featured Groups
National Maps for USA
Esri Maps and Data
Community Basemaps
Landsat Community
Web Application Templates
ArcGIS for Local Government
Esri.com | ArcGIS Marketplace | Help | Terms of Use | Privacy | Contact Esri | Report Abuse

# GROUPS

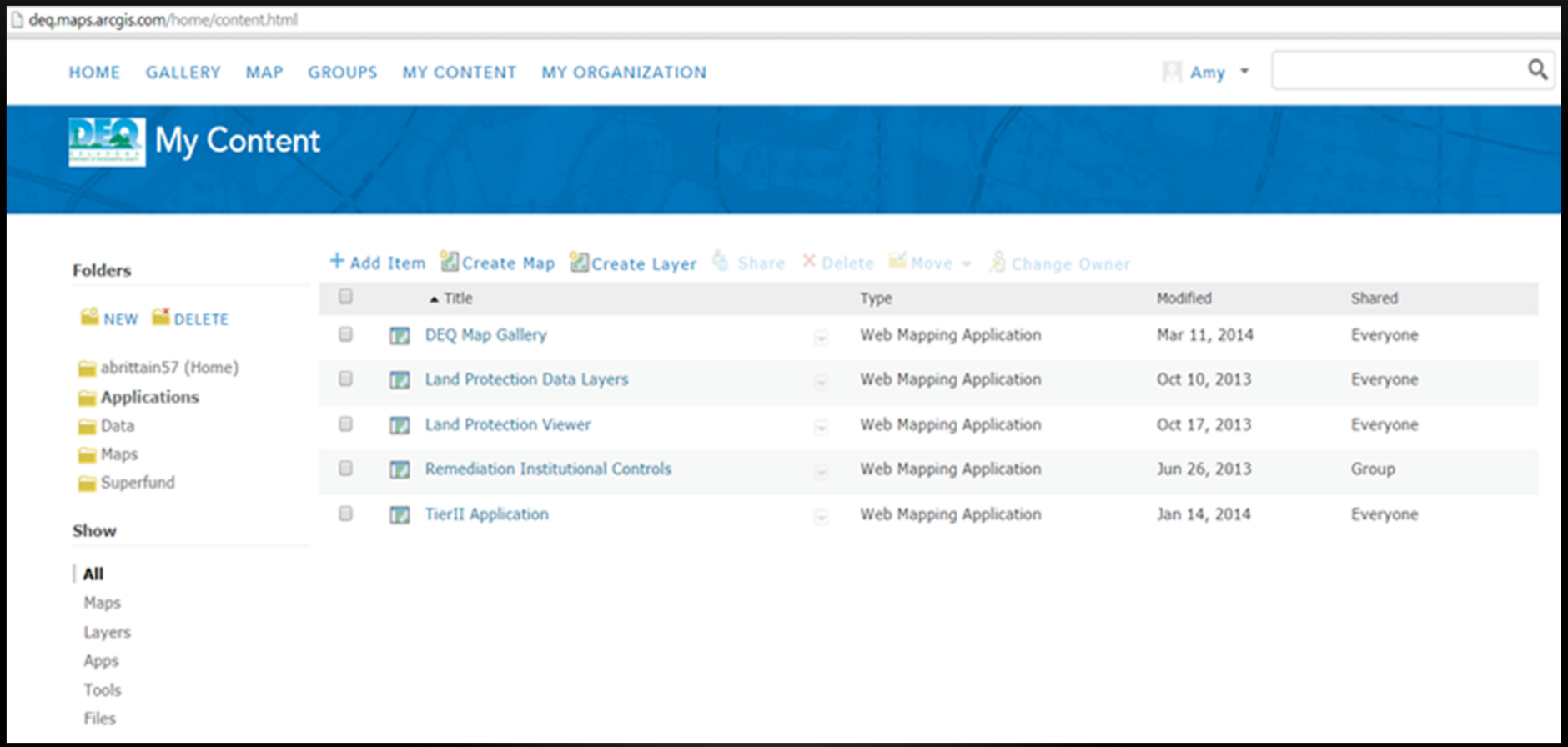

Land Protection
deq.maps.arcgis.com/home/group.html?owner=abrittain57&title=Land%20Protection&focus=applications
HOME GALLERY MAP GROUPS MY CONTENT MY ORGANIZATION
Amy
Land Protection
EDIT INVITE USERS MEMBERSHIP REQUESTS CHANGE OWNER DELETE GROUP SHARE
Oklahoma Department of Environmental Quality Land Protection Division
Facebook Twitter
Group Content
Title Owner Rating Views Date
All Results
Maps
Layers
Apps
Tools
Files
All Applications
Web Applications
Mobile Applications
Desktop Applications
Show ArcGIS Desktop Content
Land Protection Data Layers
These are data layers for the Land Protection division of DEQ. More information can be found at http://gis.deq.ok.gov/flexviewer/
Web Mapping Application by abrittain57
Last Modified: October 10, 2013
(0 ratings, 0 comments, 188 views)
Open Details
TierII Application
Map of Oklahoma TiierII facilities
Web Mapping Application by abrittain57
Last Modified: January 14, 2014
(0 ratings, 0 comments, 186 views)
Open Details
Land Protection Viewer
Data layers from the Land Protection Division of the Oklahoma Department of Environmental Quality
Web Mapping Application by abrittain57
Last Modified: October 17, 2013
(0 ratings, 0 comments, 123 views)
Open Details
Remediation Institutional Controls
Locations of Remediation Sites with Institutional Controls in Oklahoma
Web Mapping Application by abrittain57
Group Details
abrittain57
Status: public
Contributors: All members
Tags:
Environmental, Land protection
5 Members
abrittain57
Brooke.Holleman_DEQ
brownfields_DEQ
Heather.House_DEQ
matthew.wormus_DEQ

# SHARING




- Can share maps/apps with everyone or just one of your groups
- Must be shared with everyone if on public web site as a map or web app
- For use in GPS Collector app share through Groups

# MY CONTENT ORGANIZATION



# WEB APPLICATIONS

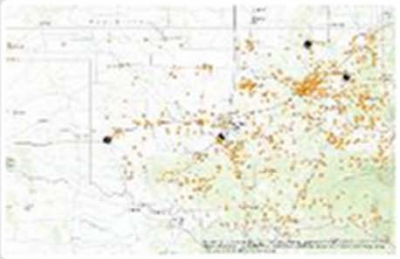
## DEQ Map Gallery

Search maps

**Superfund Sites**

Web Map by abrittain57. Last Modified Aug 25, 2014.

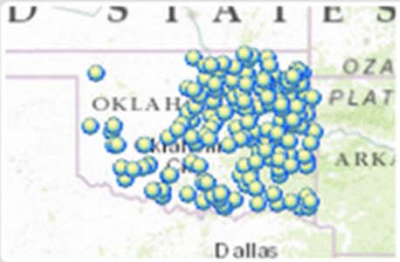
Map of Superfund Sites in Oklahoma



**Underground Injection Control Wells**

Web Map by matthew.wormus_DEQ. Last Modified Aug 18, 2014.

A map of the underground injection control (UIC) wells regulated by the Oklahoma Department of Environmental Quality

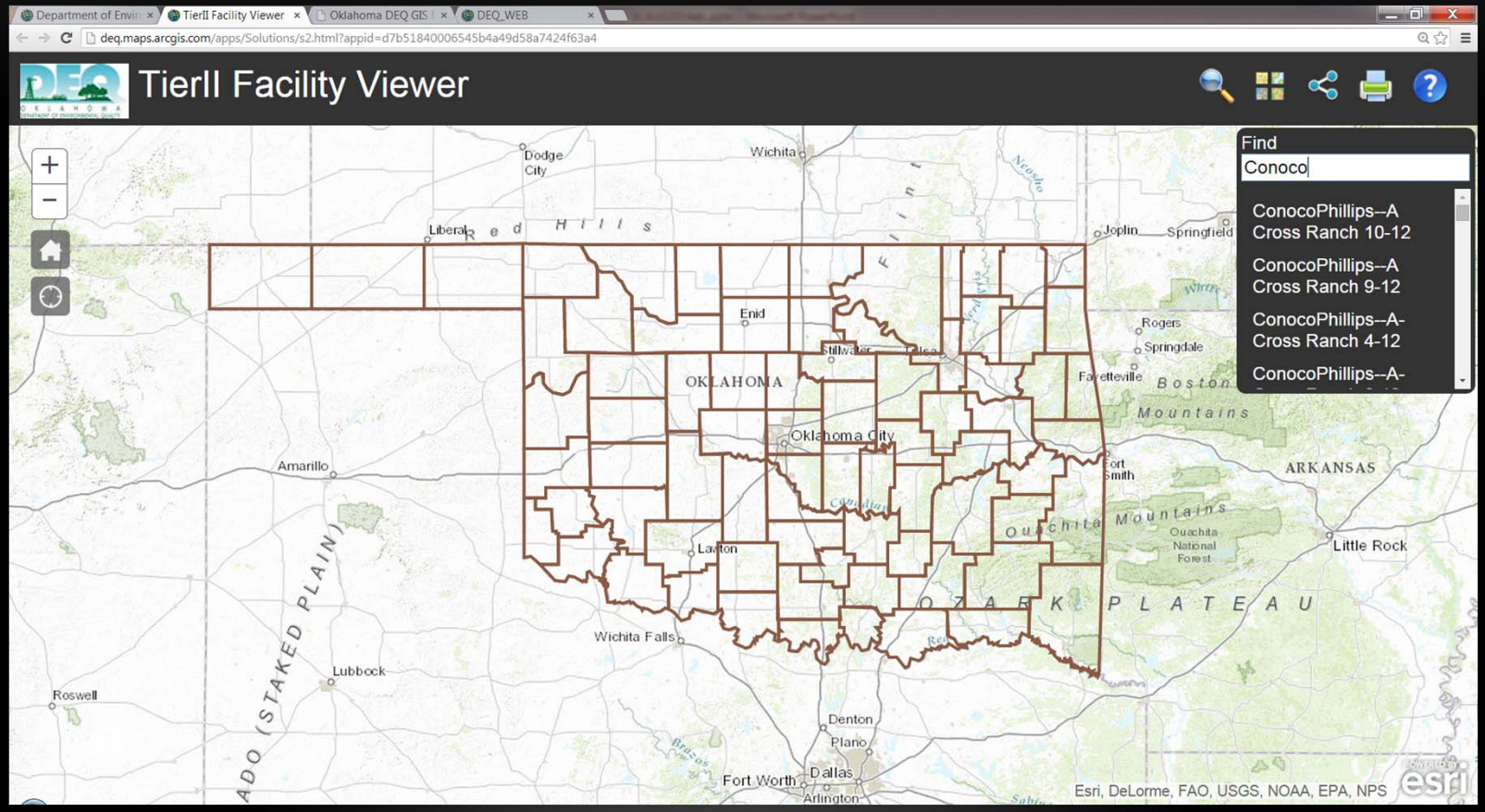



**PWS Surface Water Intakes**

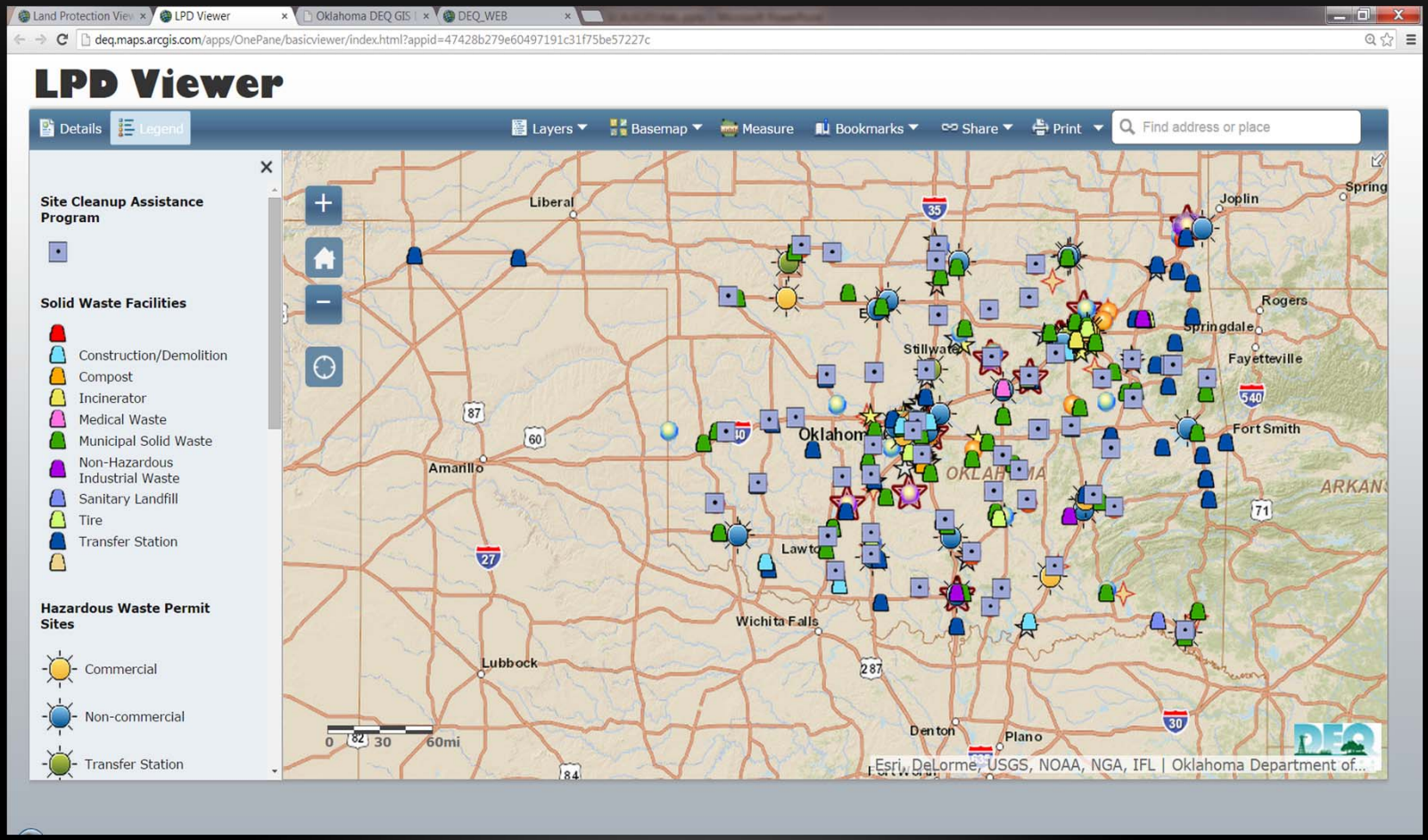
Web Map by matthew.wormus_DEQ. Last Modified Jun 11, 2014.

Locations of the Public Water Systems (PWS) Surface Water Intakes

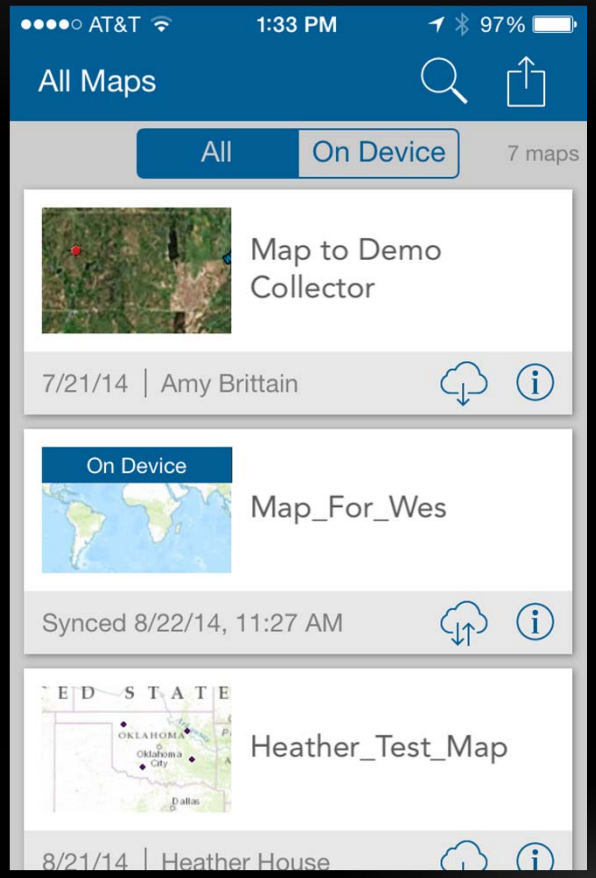
# WEB APPLICATIONS

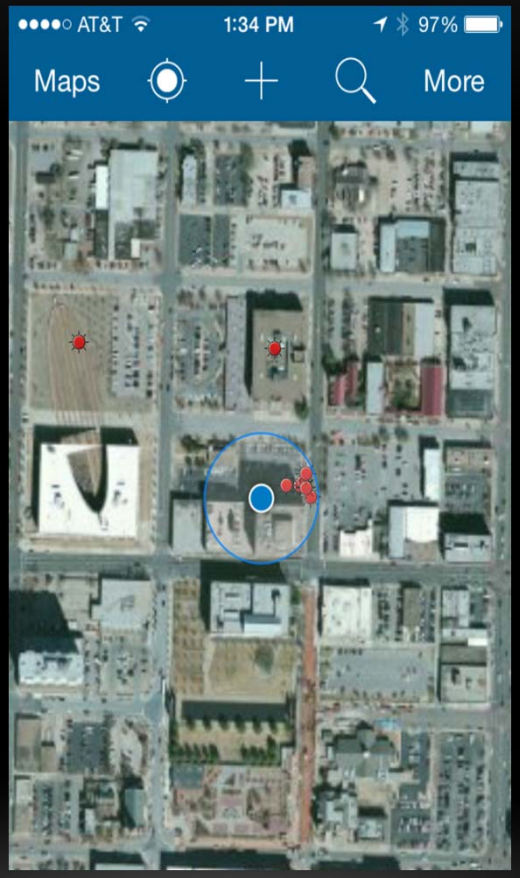


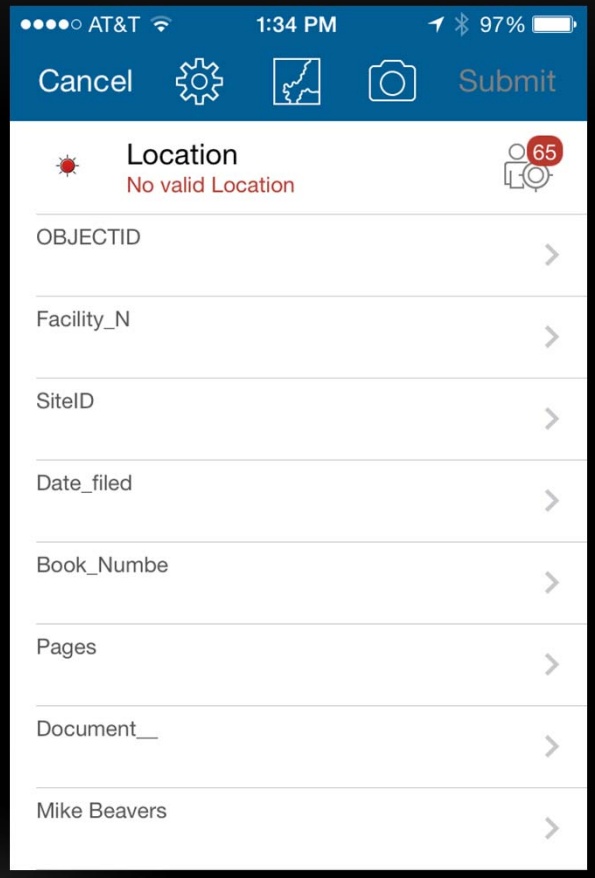
# WEB APPLICATIONS



# COLLECTOR GPS MOBILE APP

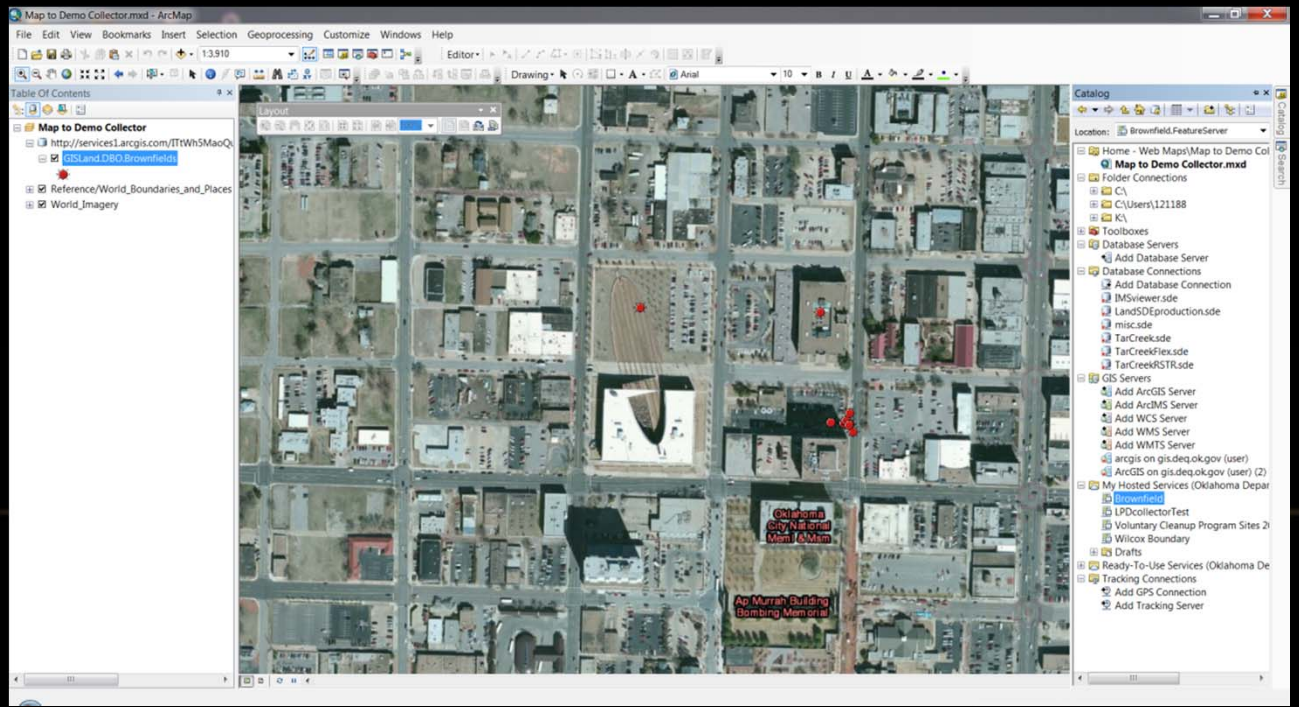


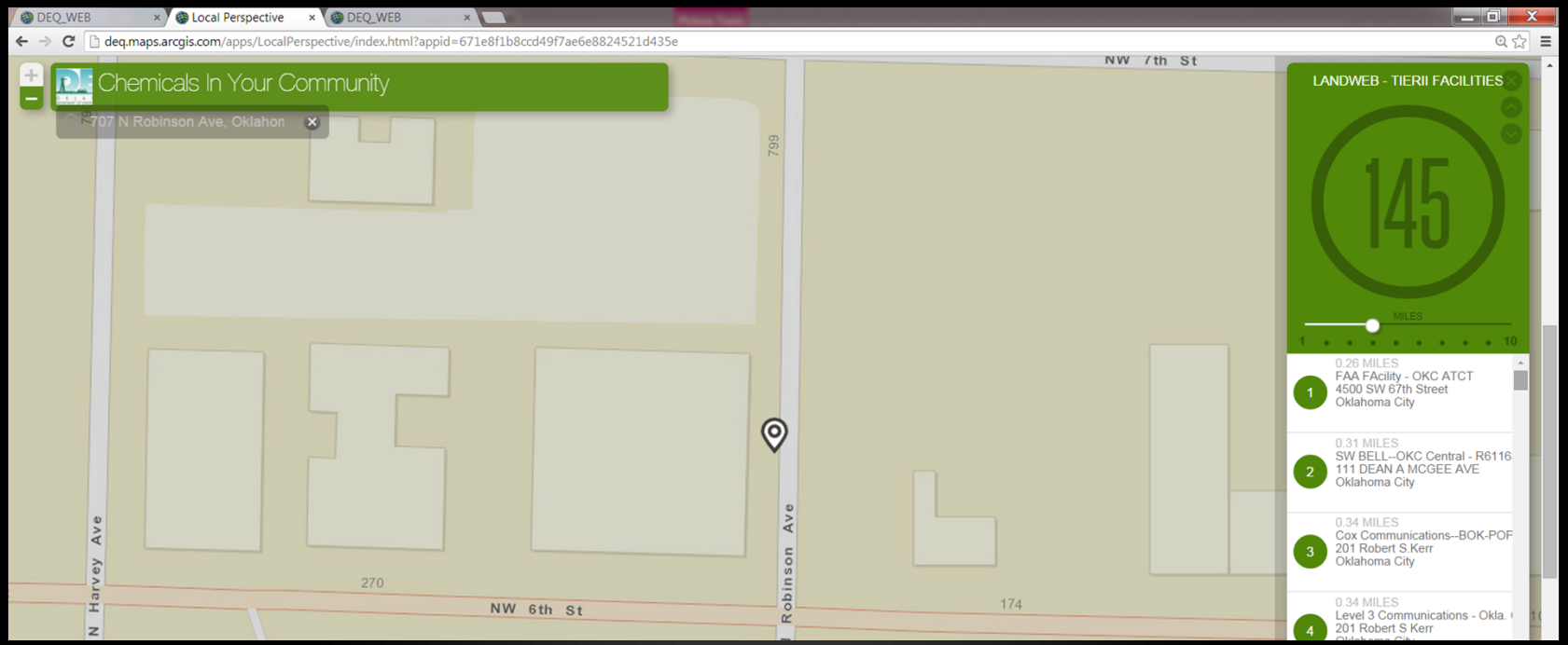
# COLLECTOR GPS MOBILE APP

- Works on Android and iPhone devices
- Allow edits to layers before uploading in ArcGIS Online
- Share maps with your internal Group
- Can attach photos to points



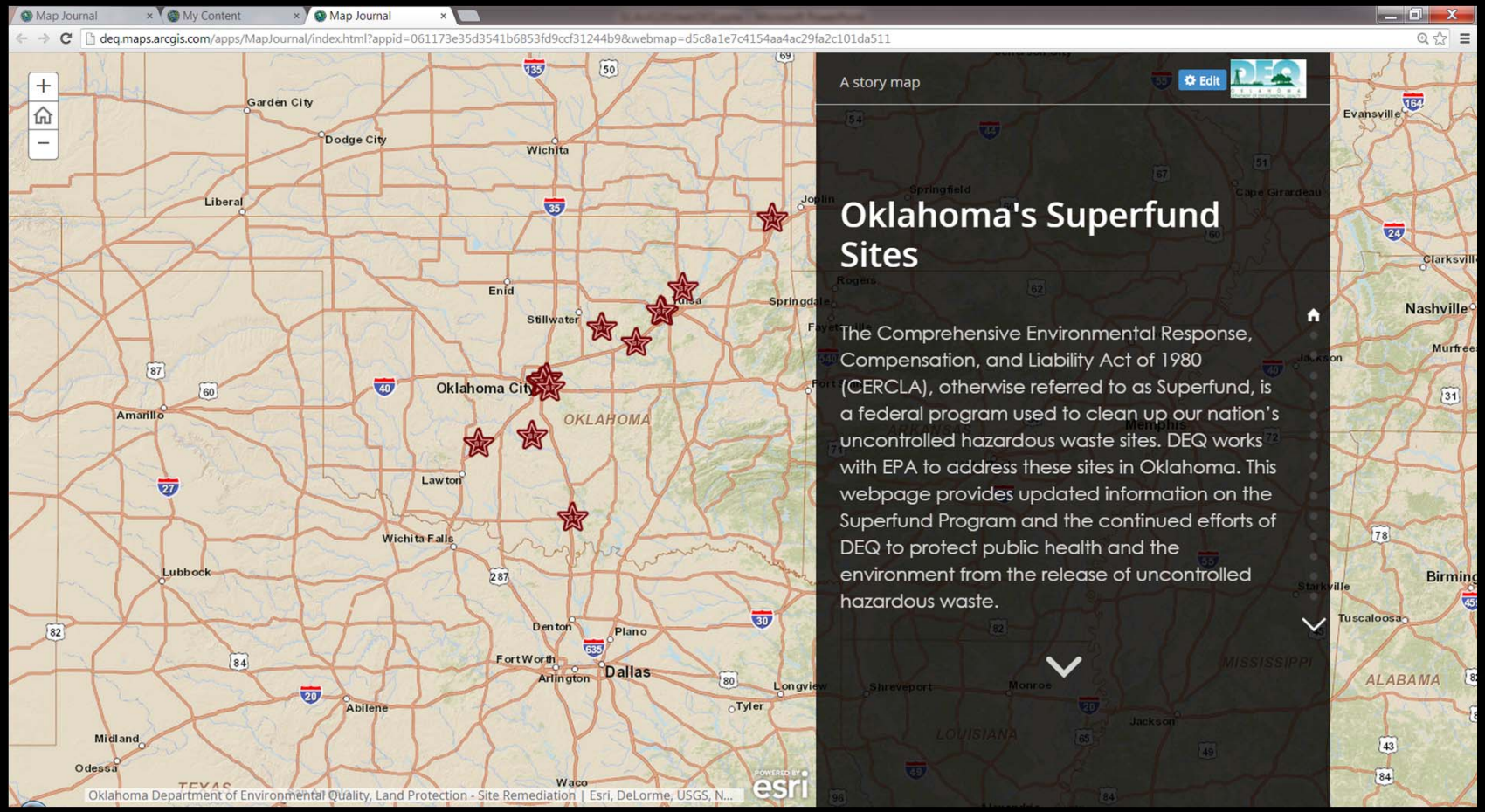
# FUTURE PROJECTS

- More customized web applications!

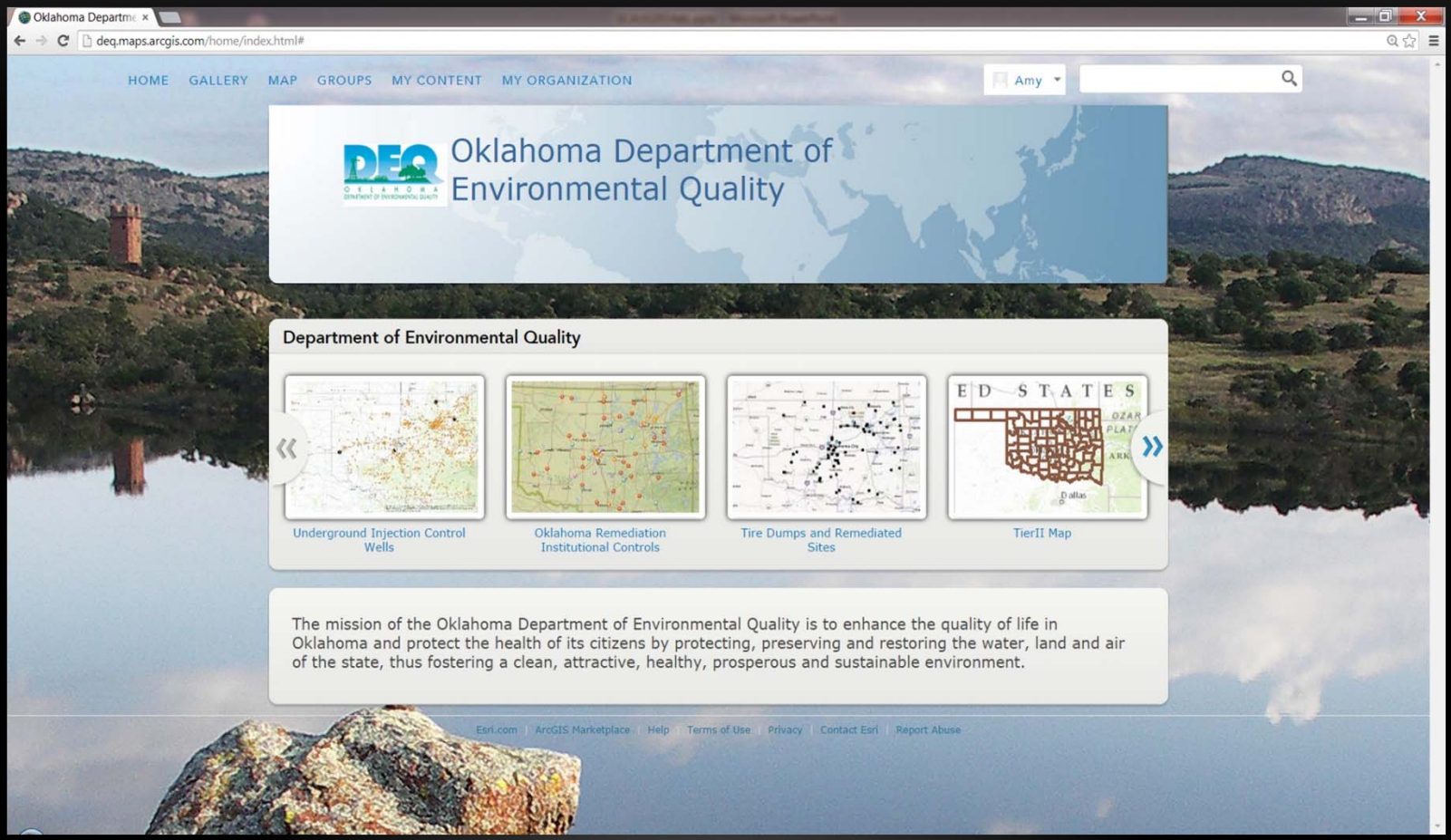


# FUTURE PROJECTS

- Story maps



# DEQ.MAPS.ARCGIS.COM/HOME/INDEX.HTML



# QUESTIONS?

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Land Protection Division
Oklahoma Department of Environmental Quality
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