### 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

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LAND	Institutional Controls Web Viewer for Brownfields, VCP, SCAP, and Superfund The DEQ has a mandatory recordable notice (seed notice) statute in its Environmental Quality Code (27A Oklahoms Statutes 5 -7-123). When a response action is taken at a superfund site, or when a risk based cleanup action is taken at a remediation site, we are required by law to file a notice of remediation in the county, land records. This may adjusply all Brownfield's, Voltardy Cleanum, SCAP, and Superfund sites that have had institutional controls placed on the property and all sites that have been awarded a Brownfield Certificate through the DEQ's Brownfield's Program. By clicking on each site, a pop-up window will open which has links to the documents that outline the land use controls placed on the property, and provide the full and complete legal description should be used to identify the location and size of a site. Every precaution has been taken to ensure that the location is properly placed on the map; however, data errors may occur.	
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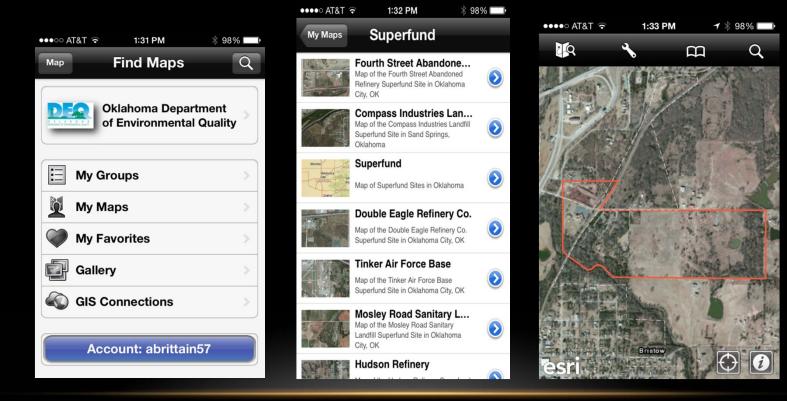
# ADVANTAGES

- 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



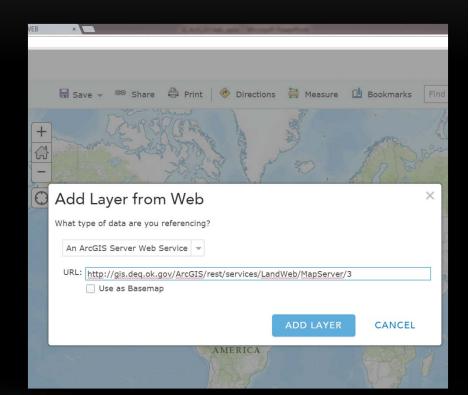
# ADVANTAGES

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



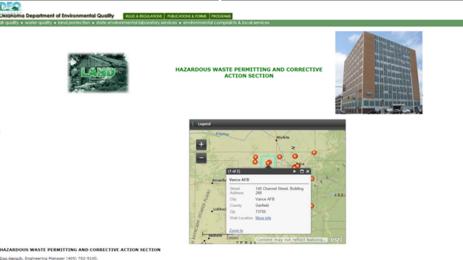
# CHALLENGES FOR FULL IMPLEMENTATION

- 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

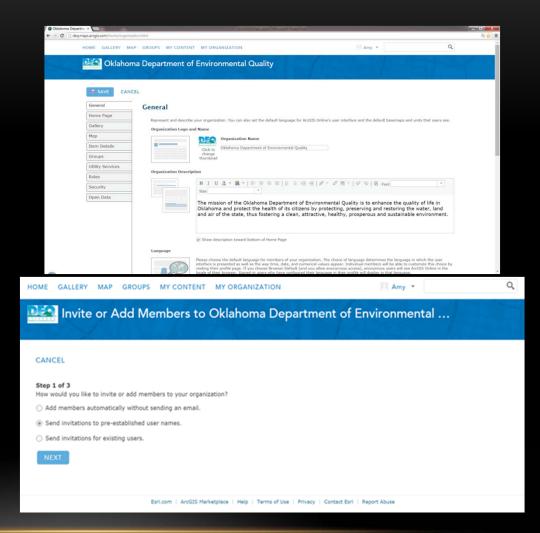






# SET UP PROCESS

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



# ORGANIZATION

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Amy Brittain	abrittain57	Sep 4, 2014		~ <u>{ộ</u> t -	Find
Brooke Holleman	Brooke.Holleman_DEQ	Jun 26, 2014	Publisher	·	The most viewed items in the
Chris Monk	chris.monk_DEQ	Not yet	Publisher	~ <u>jö</u> r-	organization
Ferrella March	Ferrella.March_DEQ	Aug 13, 2014	User		The last items added to the organization
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Heather Mallory	brownfields_DEQ	Not yet	Publisher	y	The organization's groups
Jaret Martin	Jaret.Martin_DEQ	Aug 22, 2014	User		The organization's groups that are public
Joe Long	Joe.Long_DEQ6	Sep 3, 2014	Publisher	· ģ.	The organization's registered apps
Matthew Johnson	Matthew.Johnson_DEQ	2 Aug 29, 2014	Publisher	✓ <sup>1</sup> / <sub>2</sub> / <sub>2</sub> ·	
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Landsat Community

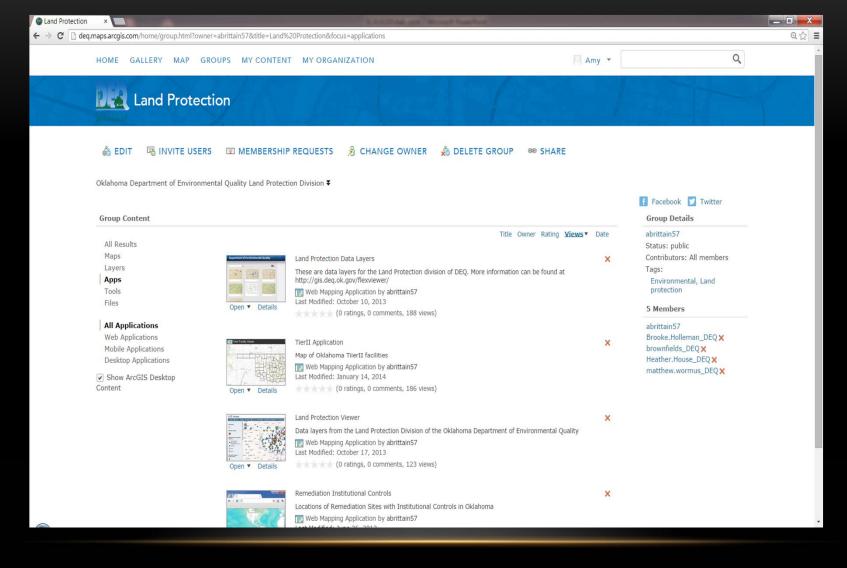
Web Application Templates

# GROUPS

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68 	CREATE A GROUP			
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Ow Ow	My Groups med by Me med by Others	Department of Environmental Quality created by Brooke.Holleman_DEQ on November 22, 2013	The organization's groups The organization's groups that are public	
Wit	th New Membership Requests	Details DEQ_WEB created by matthew.wormus_DEQ on March 12, 2014	Featured Groups National Maps for USA Esri Maps and Data	
		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	Community Basemaps Landsat Community	
		Land Protection Oklahoma Department of Environmental Quality Land Protection Division created by abrittain57 on June 21, 2013	Web Application Templates ArcGIS for Local Government	

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### GROUPS



# SHARING

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- 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

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

HOME GALLERY MAP GROUPS MY CONTENT MY ORGANIZATION

My Content

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Maps

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Apps

Tools

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### WEB APPLICATIONS

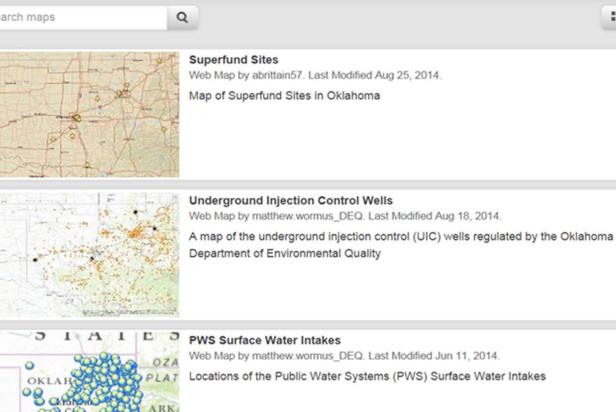
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### **DEQ Map Gallery**

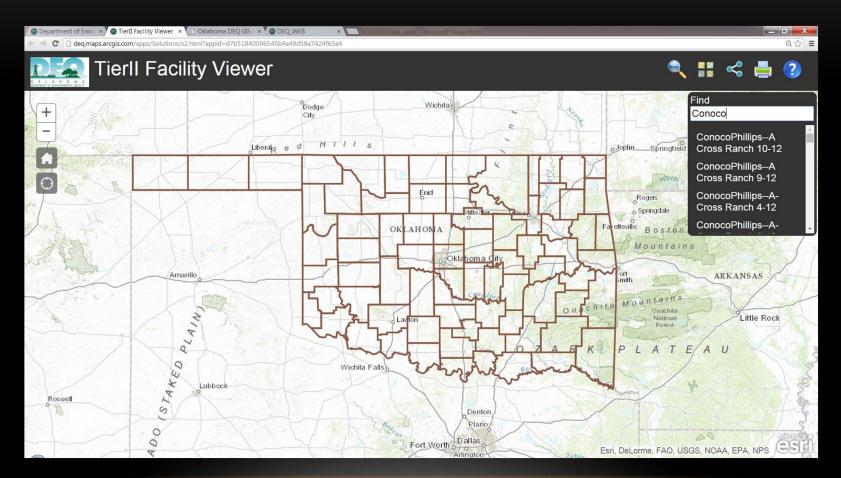
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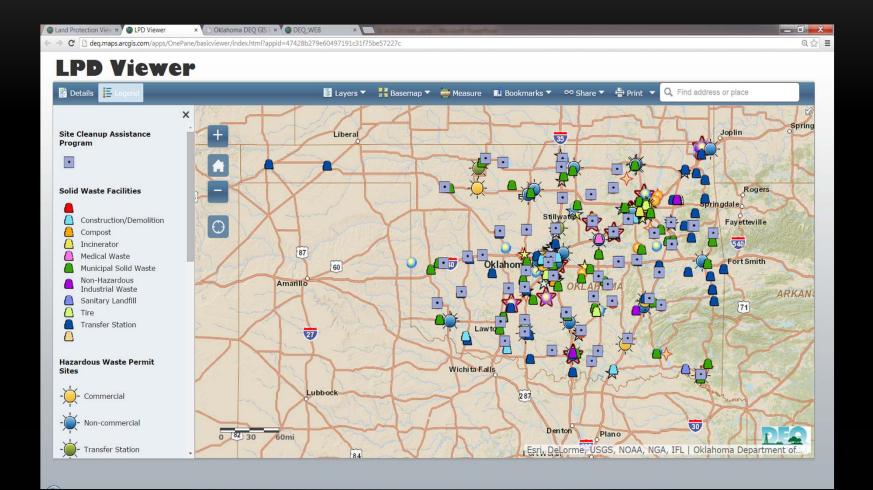
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### WEB APPLICATIONS



### WEB APPLICATIONS



# COLLECTOR GPS MOBILE APP

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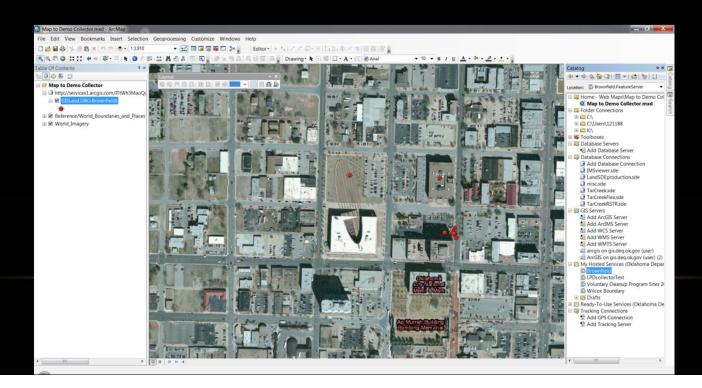
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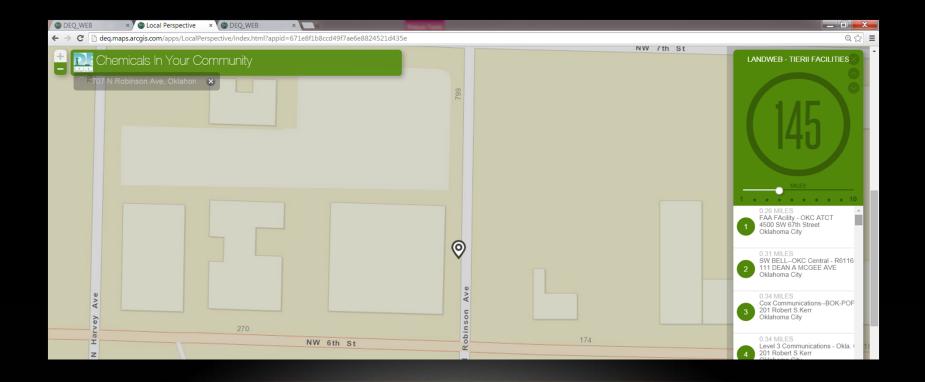
# COLLECTOR GPS MOBILE APP

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



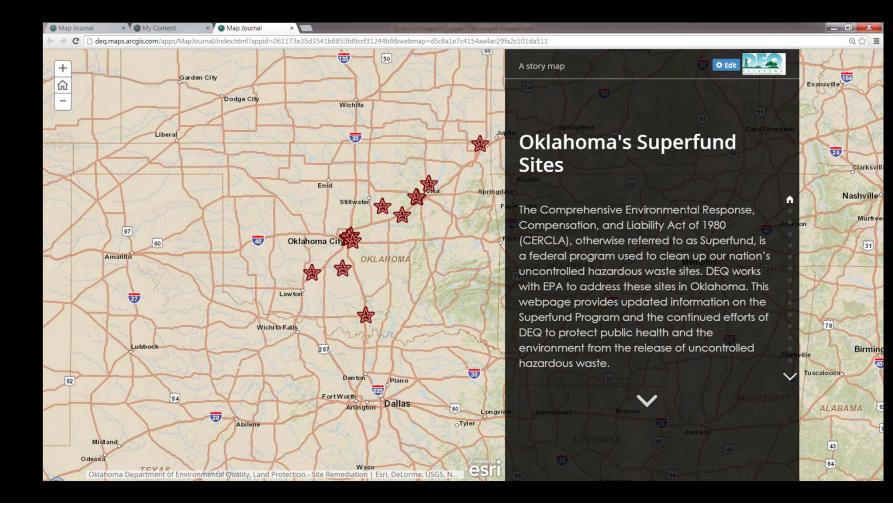
### FUTURE PROJECTS

### • More customized web applications!



### FUTURE PROJECTS

### Story maps



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



## QUESTIONS?

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