

ARCGIS ONLINE FOR ORGANIZATIONS

OTCO Water Distribution Systems Workshop

December 8-9, 2015

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TOPICS...

Moving from 'traditional' GIS

What is ArcGIS Online?

How do I make the most of my subscription?

Use cases & user stories:
Eric Petersen & City of Port Clinton



TRADITIONAL GIS...

- Small GIS staff (sometimes one or none)
- Limited access to data
- Dependent on GIS staff to get data, maps, etc.

CURRENT TRENDS:

FROM SERVER / WORKSTATION TO GIS PLATFORMS

- Platform as a Service (PAAS)
- Low cost
- Highly reliable

WHAT IS ARCGIS ONLINE?

“...a collaborative, cloud-based platform for creating, sharing, and using data, maps, and applications...”

GETTING STARTED

Leveraging the ArcGIS Online platform within your
organization

DATA

Publish GIS data from ArcGIS for Desktop

Register services from ArcGIS for Server

Upload data

(...and not just GIS data...)

- ArcGIS Desktop Add-In (.esriaddin)
- ArcGIS Explorer Add-In (.eaz)
- ArcGIS Explorer application configuration (.ncfg)
- ArcGIS Explorer document (.nmf)
- ArcGIS Explorer layer (.nmc)
- ArcGIS for Windows Mobile package (.wmpk)
- ArcGlobe document (.3dd)
- ArcMap document (.mxd)
- ArcPad package (.zip)
- ArcReader document (.pmf)
- ArcScene document (.sxd)
- CityEngine Web Scene (.3ws)
- Code sample (.zip)
- Comma-separated values (CSV) collection (.zip)
- Comma-separated values (CSV) file (.csv)

ArcGIS Online currently supports 65 types of items

Free, searchable datasets available from within ArcGIS
Online

GROUPS

What are Groups?

“Groups are a collection of items, often related to a specific region, subject, or project, that are created and managed by the group owner...”

'Common Areas' for sharing content related to projects,
events, or initiatives

Share any items that are supported by ArcGIS Online - not
just the 'GIS' content

PEOPLE

Get access to the site, use the organizations maps, apps, layers, and tools, join groups, create their own maps, etc.

User accounts linked to a single person
(Just like email)

User accounts belong to a single organization and can become members of one or many groups

ORDER IS IMPORTANT



USING ARCGIS ONLINE

The Web Map

{ basemap, layers, extent, legend, navigation tools, place finders, bookmarks, basemap gallery }

WEBMAPS

**THE BASIS FOR ALL WEB, MOBILE, AND DESKTOP APPLICATIONS
CREATED IN ARCGIS ONLINE**

MAKING A GOOD WEB MAP

MAKE IT RELEVANT

Ask Questions!

What do your users do?

What are the current initiatives within your organization?



DATA



GROUPS



USERS

How will users access the data that is shared within the organization?

WEB

arcgis.com viewer

HOME ▾ Water Distribution NEW MAP CREATE PRESENTATION Timothy ▾

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

Contents




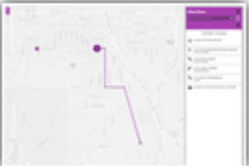



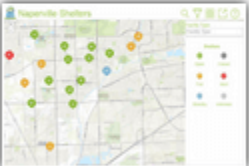
- PRV ▾
- Reservoirs ▾
- Tanks ▾
- Pumps ▾
- Hydrants ▾
- Junctions ▾
- Pipe by Size ▾
- Pipe by Material ▾
- Pressure Districts ▾
- South Heights Parcels ▾
- Hopewell Parcels ▾
- Allegheny Parcels ▾
- Topographic ▾
- CHJA Infrastructure v2 - wHydrantInspection ▾

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Esri, HERE, DeLorme, Intermap, USGS, METI/NASA, USDA, EPA

POWERED BY esri

Configurable application templates

<p>Basic Viewer</p>  <p>Publish ▼</p>	<p>Chrome - Twitter</p>  <p>Publish ▼</p>	<p>Compare Analysis</p>  <p>Publish ▼</p>	<p>Directions</p>  <p>Publish ▼</p>
<p>Edit</p>  <p>Publish ▼</p>	<p>Elevation Profile</p>  <p>Publish ▼</p>	<p>Filter</p>  <p>Publish ▼</p>	<p>Find, Edit, and Filter</p>  <p>Publish ▼</p>

1 2 3

Web AppBuilder

The screenshot displays the Web AppBuilder interface for a "Water Distribution" application. The top navigation bar includes "Home", "Web AppBuilder for ArcGIS", the application title "Water Distribution", and a user profile "Timothy".

The left sidebar contains the following sections:

- Navigation:** Themes, Map, Widget, Attribute.
- Theme Selection:** Foldable Theme (light blue icon), Tab Theme (dark blue icon).
- Style:** A color palette with segments in blue, black, green, light blue, red, and purple.
- Layout:** Two icons representing different map layouts.
- Bottom Bar:** Launch, Previews, Saved.

The main map area shows a topographic map with a network of water pipes. The pipes are color-coded: blue for main lines, purple for secondary lines, red for tertiary lines, and orange for quaternary lines. Key features on the map include:

- Search Bar:** Esri World Geocoder.
- Map Controls:** Zoom in (+), zoom out (-), home, and layers.
- Map Labels:** Kane Rd, Circle Dr, Laird Dr, Steuers Hill Rd, Mt Olivet Catholic cemetery, Beaver Valley Expy, Gringo Independence Rd, Laurel Rd, and WTP.
- Scale and Coordinates:** A scale bar for 0.4mi and coordinates 40.581, -80.259 Degrees.
- Map Style:** The map uses a topographic style with contour lines.

The bottom right corner of the map area includes the text "DeLorme, Intermap, USGS, METI/NAS" and the Esri logo.

Embedded Web Maps

Embed in Website

What would you like to embed?

Map

Choose the size of your map. [i](#)

W X H Allow responsive sizing

Copy and paste HTML to embed in website.

```
<style>.embed-container {position: relative; padding-bottom: 80%; height: 0; max-width: 100%;} .embed-container iframe, .embed-
```

Map Options **Add Symbol**


Choose options to display on your map.

<input checked="" type="checkbox"/> Zoom Control	<input checked="" type="checkbox"/> Scale Bar
<input checked="" type="checkbox"/> Home Button	<input type="checkbox"/> Location Search
<input checked="" type="checkbox"/> Basemap Selector	<input type="checkbox"/> Map Details
<input checked="" type="radio"/> Basemap Gallery	<input type="checkbox"/> Legend
<input type="radio"/> Basemap Toggle	
<input type="checkbox"/> View larger map	
<input checked="" type="checkbox"/> Disable scroll zoom	

Choose your theme.

Light Dark

Map Preview



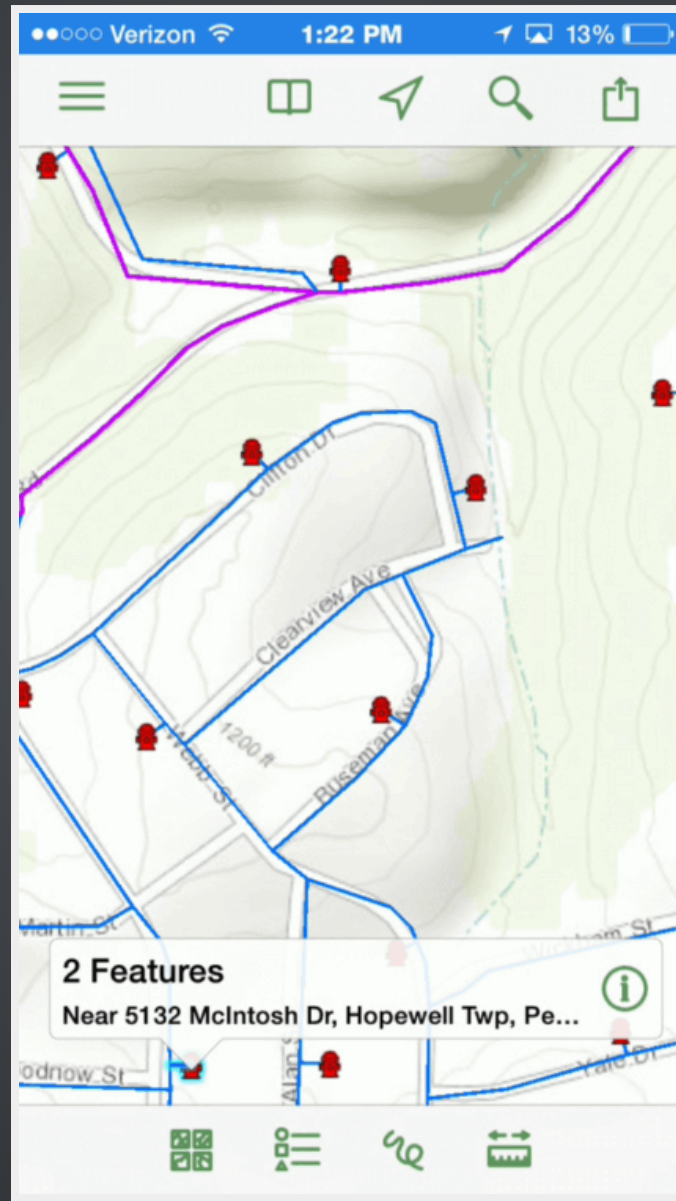
BACK DONE

MOBILE

Collector for ArcGIS

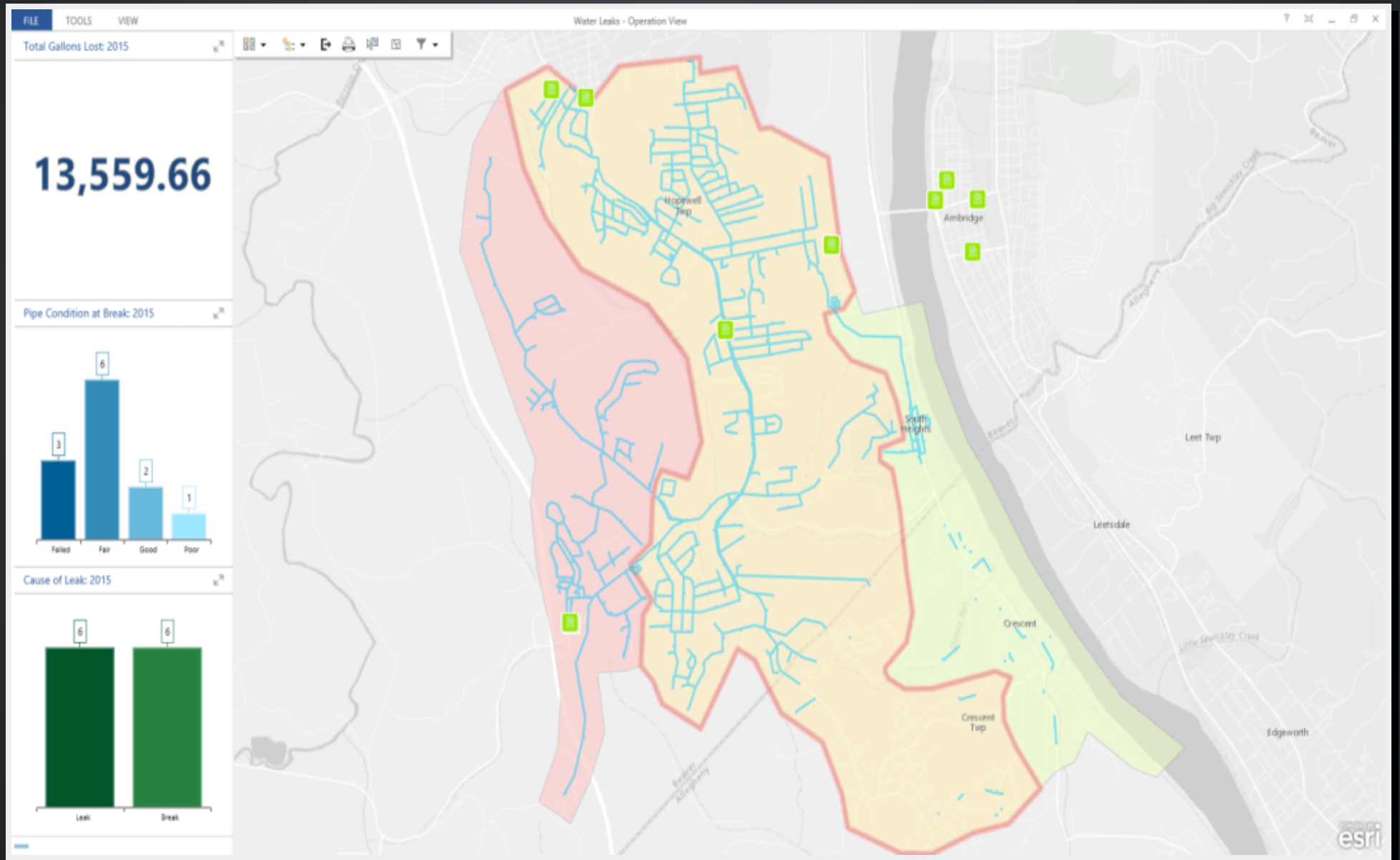


Explorer for ArcGIS



DESKTOP

Operations Dashboard for ArcGIS



Esri Maps for Office

237310 - Combined.xlsx - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW ADD-INS ESRI MAPS

Sign Out Add Map Go to Map Arrange Maps Link Map Views Help Getting Started

Business Name	Address	ZIP Code	City	State	NAICS Code	SIC Code	Number of Employees	Sales Volume
A. Liberoni, Inc	459 Davidson Rd	15239	Pittsburgh	Pennsylvania	237310	16110000	50	\$10,000,000
Allen Paving Company Inc	Tuscarwas Rd Gorgetown Ln	15009	Be					
Allfacilities Energy Group, Llc	1501 Ardmore Blvd Ste 102	15221	Pi					
Alpha Structures Inc	26 E Pike St	15317	Ca					
Amelie Construction & Supply Llc	725 Saxonburg Blvd Ste 2	16056	Pa					
Anne Constructors Inc	1543 Harding Ave	44440	M					
Arriba Construction, Llc	163 Market St	15656	Le					
B & B Paving & Sealing	54 Phillips Way	16146	SH					
Bridge Overlay Systems Inc	400 E Main St Ste 2	44406	Ca					
C J Long Paving	3588 Perry Hwy	16057	SH					
C. H. and D. Enterprises, Inc.	100 Brady Pl	15672	Ca					
Canfield Maintenance Bldg	6896 Tippecanoe Rd	44406	Ca					
Carl's Paving	1730 Columbus Ave	44446	Na					
Carmen Paliotta Contracting Inc	1550 Connor Rd	15129	Li					
Chartiers Paving Company, Inc.	99 Watt St	15108	Co					
Choi Enterprises Inc	631 Burton Dr	15235	Pi					
Commisso Paving Company Inc	2039 Poland Ave	44502	Yc					
Cummings Construction	421 Lloyd St	15208	Pi					
D U Construction Co.	6235 Southern Blvd	44512	Yc					
D'ascenzo Construction	311 Mount Manor Rd	15665	M					
Davin Corporation	Rr 519	15330	Er					
Dennis Felitsky Cons	223 Park Ave	16022	Br					
Den-rick Excavating Co Inc	344 Den Rick Ln	15644	Je					
DI Construction	2503 Bazetta Rd Ne	44481	W					
Donald Wayne Hall	59 Wylie Ridge Rd	26047	Na					
Donegal Construction Corporation	1235 Marguerite Lake Rd	15601	Gr					
Dot Construction Corp	535 N Broad St Ste 5	44406	Ca					
Dp General Contracting	2621 Messinger Ln	15131	W					
E E Thomas Paving	235 Lanik Rd	15314	Be					
Eltner Construction Co Inc	695 McMurray Rd	15102	Be					
Frank Gavlik & Sons Inc	1871 Grange Rd	15022	Ch					
G a S a	4540 New Texas Rd	15239	Pi					
Gal Construction, Inc	4021 State Route 51 S	15012	Be					
Golden Eagle Construction Company, Inc	169 Green Valley Rd	15320	Ca					
Graziani Construction, Inc.	1050 Frew Mill Rd	16101	Ne					
Green Acres Contracting Company, Inc.	703 Pennsylvania Ave	15683	Sc					
Gregori	736 Ekastown Rd	16055	Pa					
Grossman Construction Co	582 Claytonia Rd	16057	Sh					

Map 2

HOME Contents From Excel From ArcGIS Enrich Data Layer Style Cluster Points Heat Map Hot Spots Analysis Find Nearby Share

DEMO

CITY OF PORT CLINTON, OH

THE NEXT STEPS...

Keep Building!

Communicate with users to discover new needs, challenges,
and use cases

Continue creating new, relevant content

BENEFITS

Centralized data access for all members of the organization

Access to data from desktop, web, and mobile devices

Low cost, highly reliable system

COSTS

5 Users = \$2,500.00 / year

Discounts for 50, 100 users

ArcGIS Desktop Entitlement Program: 1 ArcGIS Online member for each current ArcGIS for Desktop license

[ArcGIS Online Subscription Plans](#)

NEXT SESSION

Roundtable: Transition from Paper Maps to the Cloud

3:00 PM

OTCO-B12528-OM

QUESTIONS?



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