

Today's Presentation

This session will cover the use of ESRI's ArcGIS online mapping and GeoForm as well as Microsoft OneDrive Cloud Storage products for smartphones and tablets in the field. From setting up your ArcGIS online map and GeoForm to creating a fillable word document, this presentation will show participants how mobile GIS apps and cloud storage can be used to capture data and get it to the decision makers in a timely manner.



Outline of Today's Presentation

- > Setting up AGOL Data and Map
 - > get data into AGOL cloud
 - > create maps with data
- Creating the GeoForm
 - > customizable for your need
- Microsoft OneDrive
 - > cloud storage
 - Inspection Form
- ➤ IDDE Inspection process
 - Previous and coming year
- Conclusion

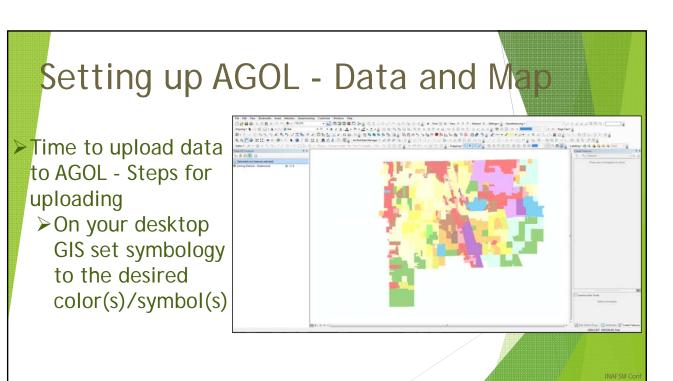


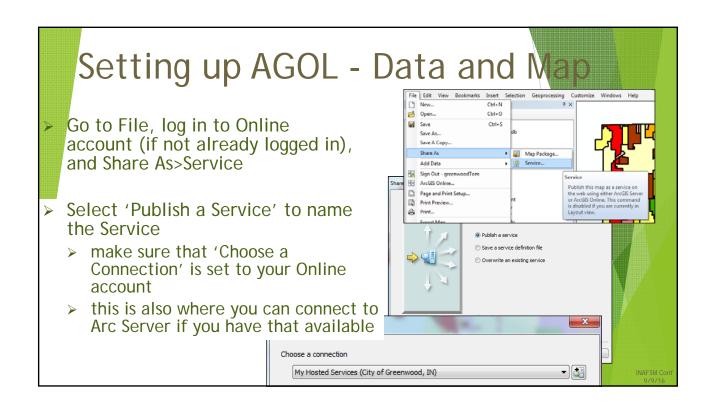
NAFSM Co

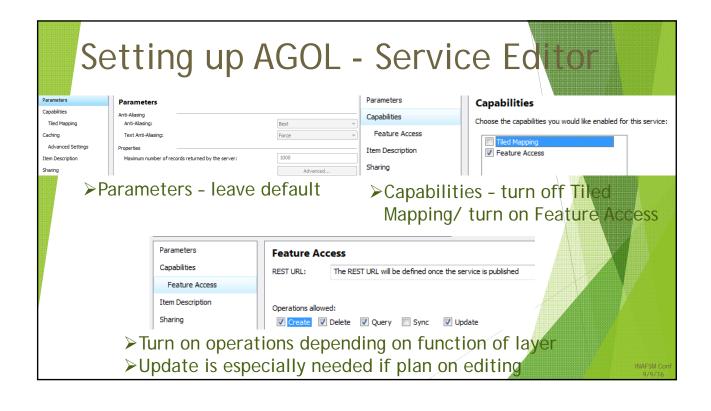
Setting up AGOL - Data and Map

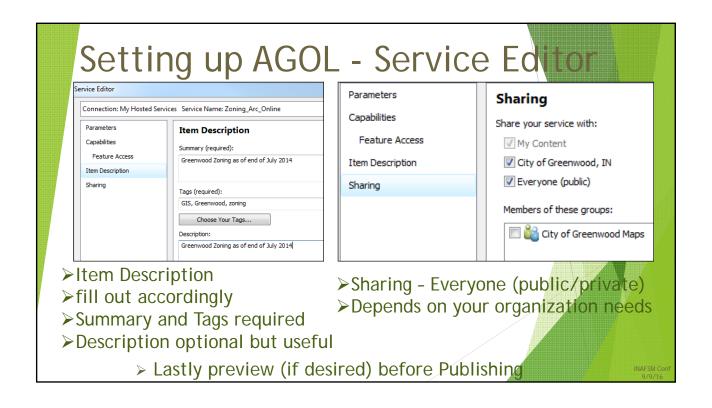
- > This actually begins with your desktop GIS
- > Prepare or get access to the following data
 - > Storm data
 - ➤ Especially Outfalls
 - Create/Update Domains (drop down boxes)
 - > Helps with data consistency
 - > Pictures are nice
 - ➤ Location Data
 - Parcels, address points, subdivisions, commercial, contours, etc.
 - ➤ Editing Layer(s)
 - Create way for users to create/edit data in the field
 - This is also needed to create a GeoForm

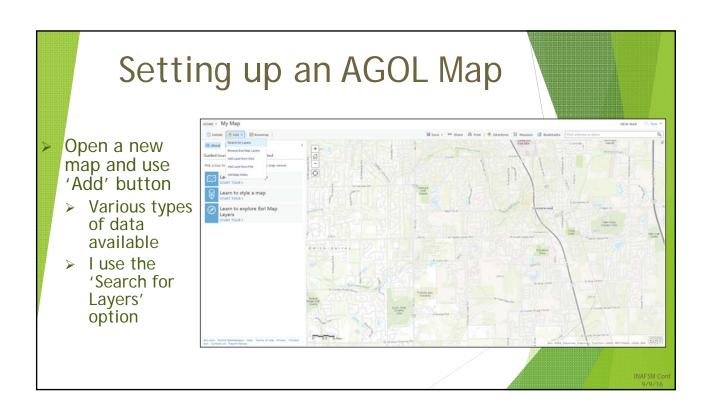
AFSM Conf

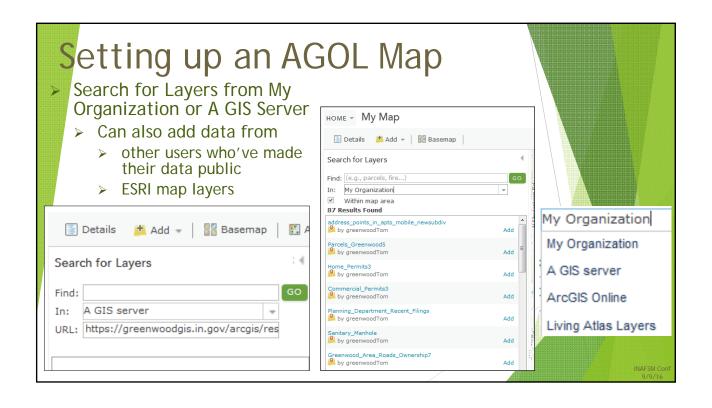


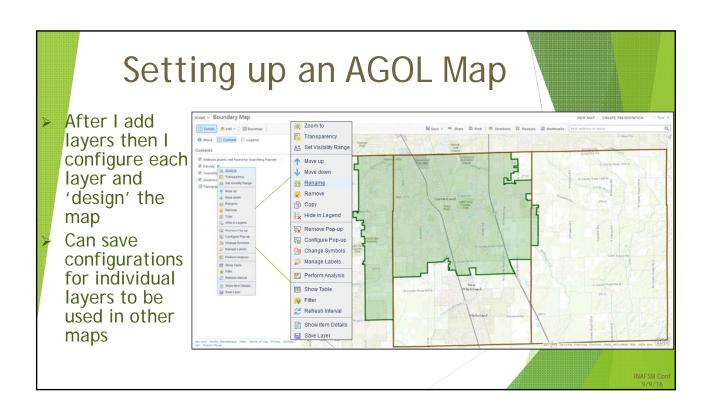


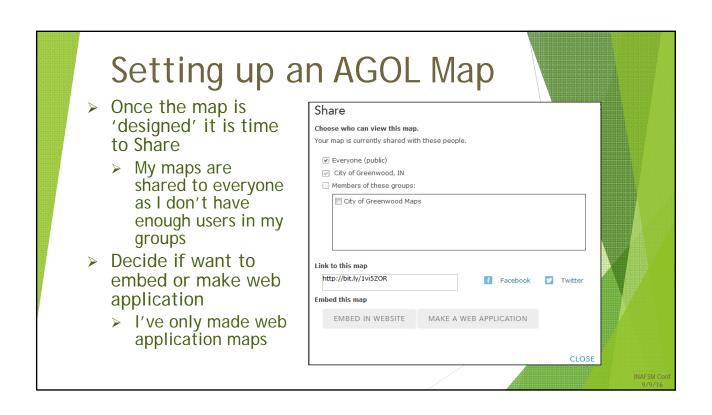


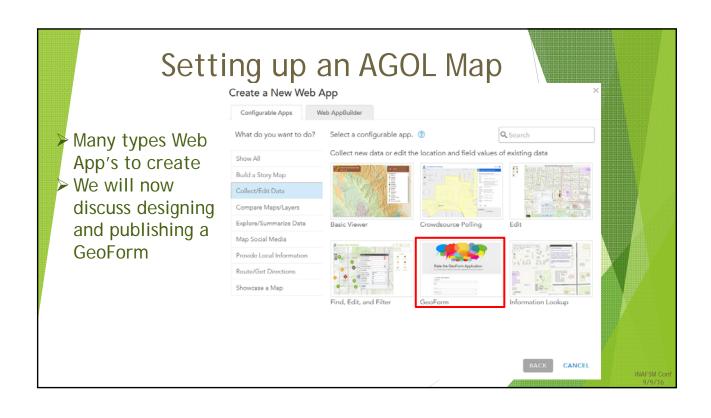




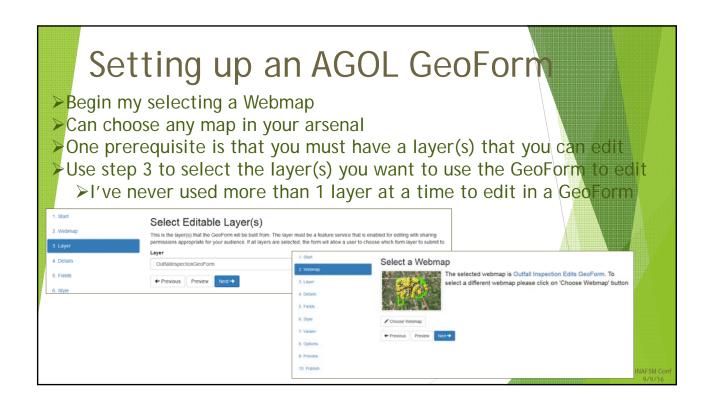




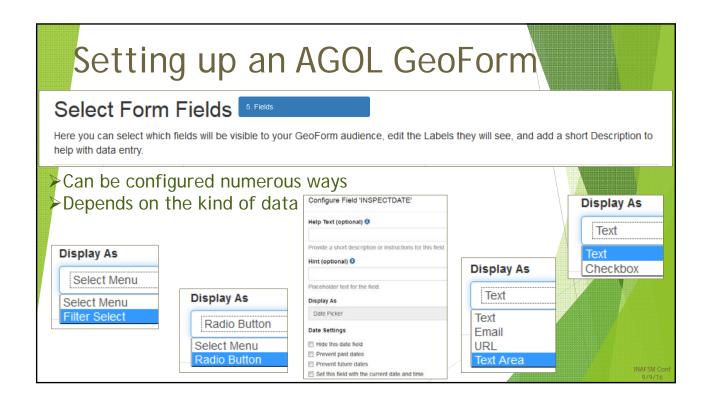


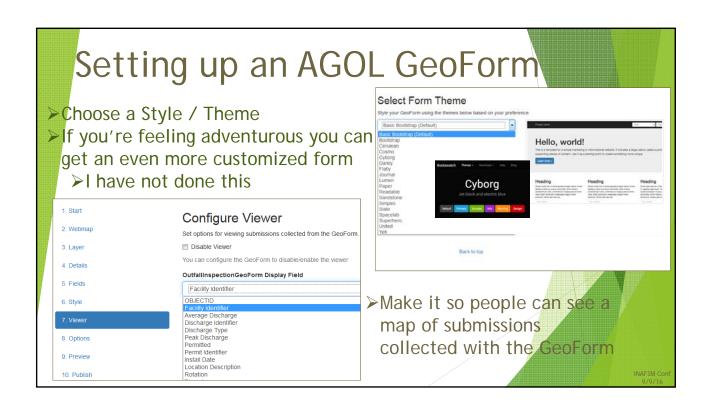


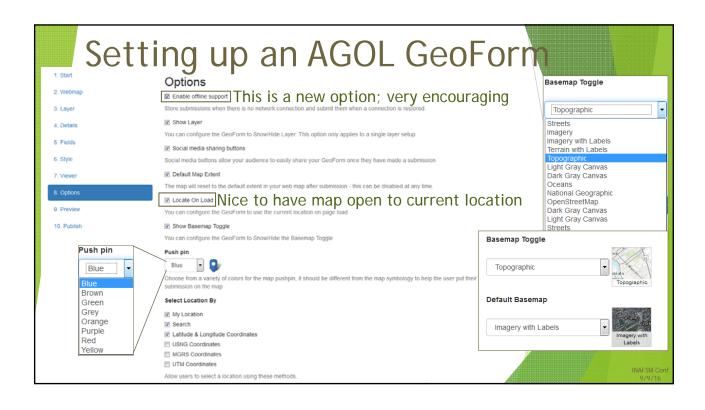


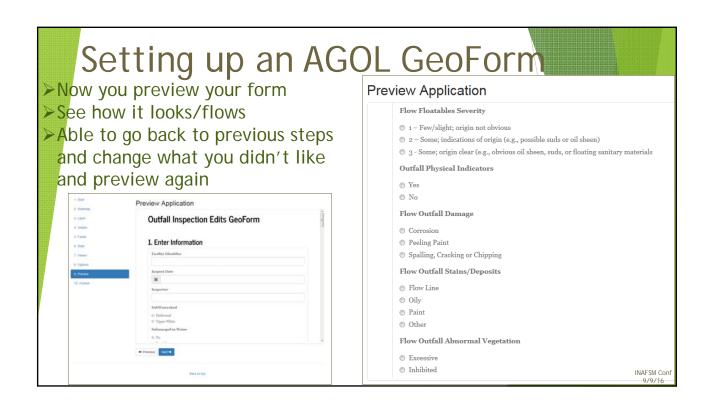


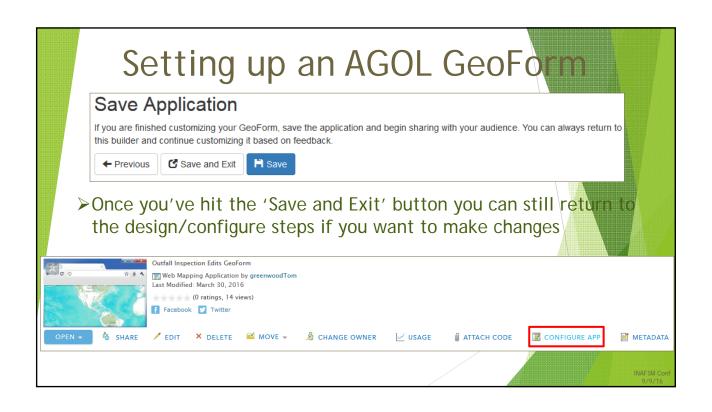
Setting up an AGOL GeoForm Now you get the chance in step 4 to start customizing the GeoForm Header size Title - same as Webmap or new name Logo or not Instructions and Details Insert link(s), picture(s), table, etc Nice way to give instructions to a user who isn't in the form normally Can even customize buttons for submission and viewing entries

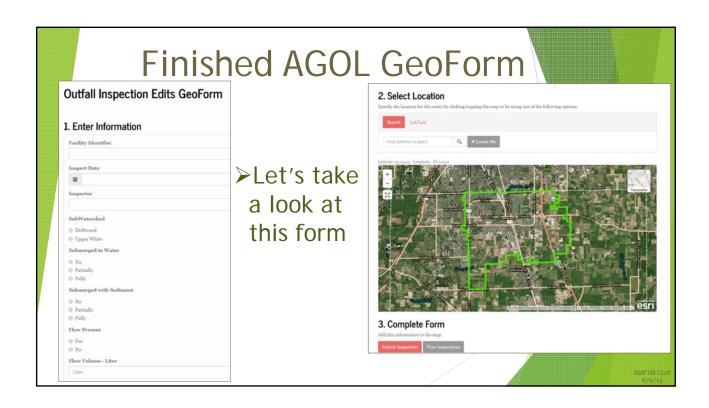
















Microsoft OneDrive

Advantages to OneDrive

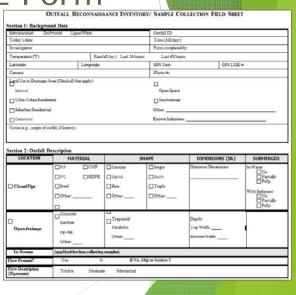
- >Access your files from anywhere
 - ▶Phone, laptop, tablet, desktop
- All participants have access to everyone's folders
- Able to share inspection results immediately to all interested parties
 - ➤ You can share folder(s) or documents with anyone, even people not on account
- Close collaboration with Office
 - ➤ Able to save Word, Excel, PowerPoint files directly into OneDrive

Disadvantages to OneDrive

- ➤ Privacy concerns
 - ➤ All participants have access to everyone's folders

Outfall/IDDE Form

- >Stormwater Dept found this form as a PDF
- Can view PDFs on an iPad but require advanced license to fill out
- You are able to fill out Word documents on an iPad
- Since OneDrive works so well with Word documents we decided to use that to our advantage
- > I converted the PDF to Word



IDDE Inspection

- First year our Stormwater Dept did any IDDE Inspections was last year
 Previous years were done by other depts
- Get notification through our help desk ticket system
- Inspectors used online Storm map to locate Outfalls and obtain info information for form
 - > ID, Watershed, Storm Network
 - > Would use GeoForm to add a point if Outfall had not been previously mapped
- Go to location and assess situation
- Open OneDrive open empty form
 - > Fill out form and add pictures
- ➤ Save filled out form in OneDrive
- This allows Superintendent to be notified immediately after assessment
 - You can also send copy of report to involved party(s)
- ➤ If water sampling is required then the results can be added to the form at a later time

IDDE Inspection

- This year we are doing things a little different
- Ve created a map that will allow the inspectors to update Outfall directly
- Added all pertinent fields from inspection form into the layerStill can add pictures
- we can add a 'new' Outfall with this map
- Less steps to get inspection data tied to location
- Still able to easily produce reports/info about an inspection
- ➤ Still available to Superintendent as soon as asset is entered



Conclusions

Today we've discussed the following

- Setting up AGOL uploading data and creating a map
- Creating a GeoForm
- Microsoft OneDrive
- IDDE Inspection process using all 3 tools above
- All of these tools are either FREE or included with your Esri desktop package
- Certainly not ideal to use 3 separate tools to perform inspection.
- ➤ When you have no or little money available then this works to show the decision makers what can work
- >Hopefully get them to find money to make the process run smoother

INAFSM Co

