

Beckley Sanitary Board

ArcGIS Online for Stormwater and
Sanitary Utilities



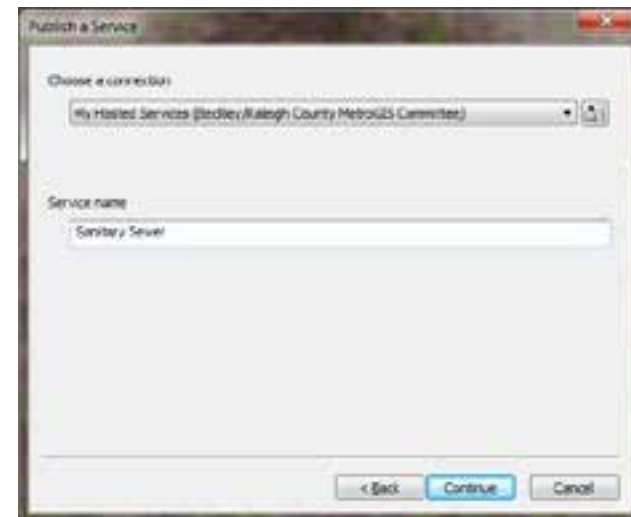
Beckley Sanitary Board

Sanitary Sewer and Storm Sewer Utility

- 6,727 Sanitary Sewer Customers
- 9,907 Storm Sewer Customers
- 885,473 ft. Sanitary Sewer Gravity Main
- 265,864 ft. Storm Sewer Gravity Main
- 19 Rain Gardens

The needs for a Utility to have a Web Map

- § Provide real time data
- § Identify problem areas
- § Track field progress
- § Organize data
- § Easy access to geographic information



Web Maps

MS4 Audit Map

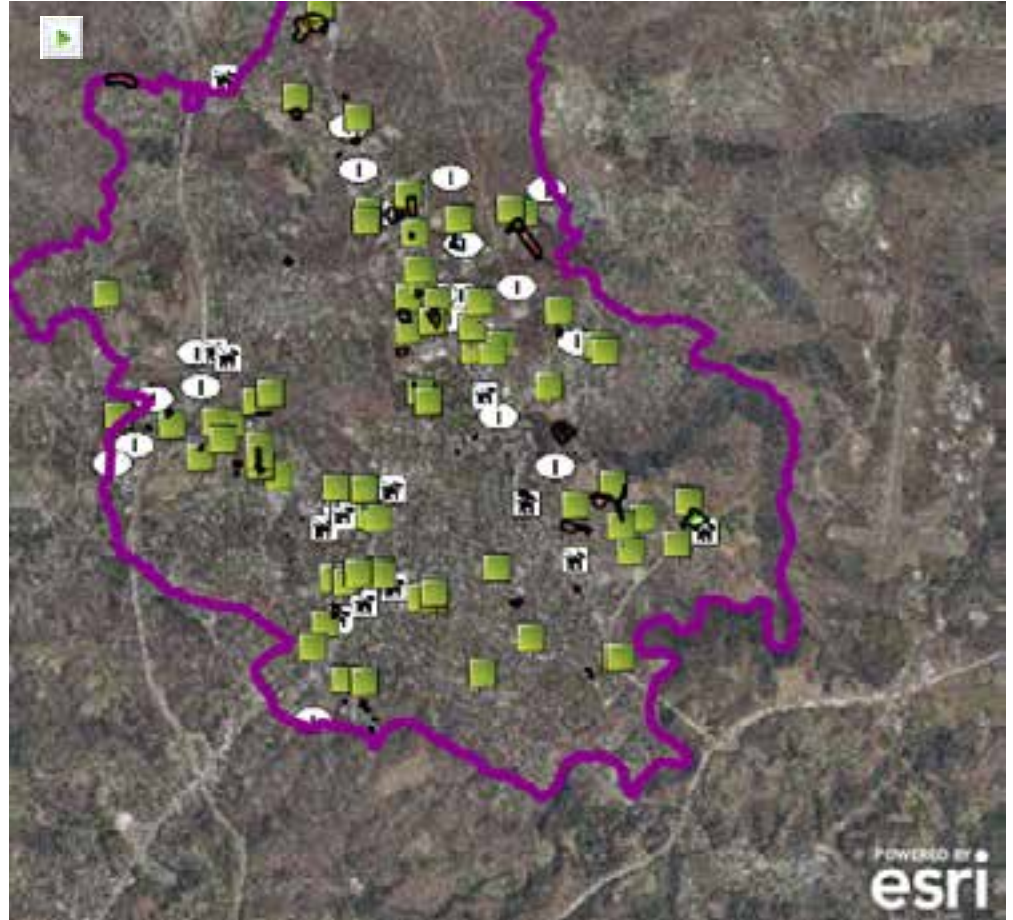
Creating a Web Map

(Data)

- Hosted Services (Beckley/Raleigh County Metro GIS Committee)
- Zipped Shapefiles
- Excel Spread Sheets
- Arc Server

Web Map Examples:

- BSB Storm Sewer
- BSB Sanitary Sewer
- Storm 2013
- Pretreatment Grease Traps



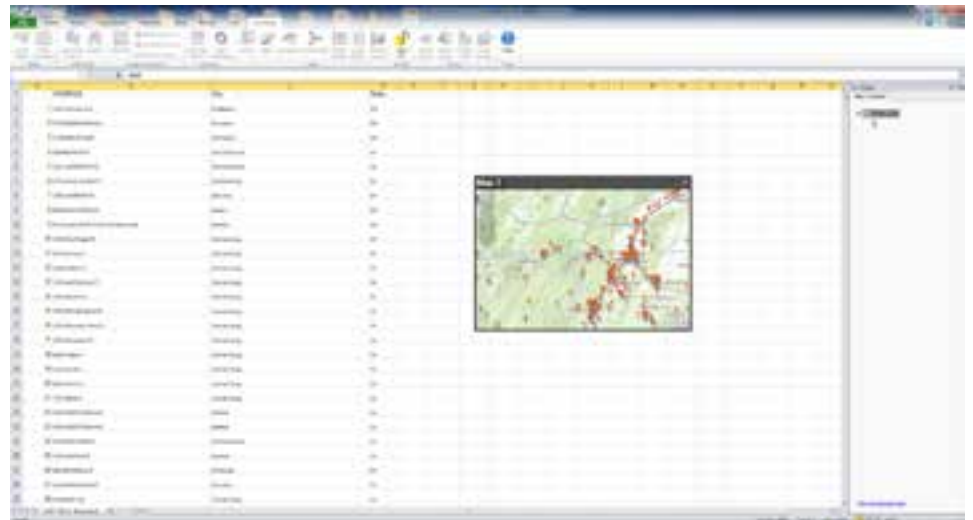
Microsoft Usages by Staff

Microsoft Excel:

- Monthly Complaints
- Monthly Disconnects
- Customer Addresses
- Grease Traps
- Specific Projects

Transform Excel to a map: (Easy Steps)

- ESRI Maps
- Add Excel Data
- Geocode Addresses
- Analyze

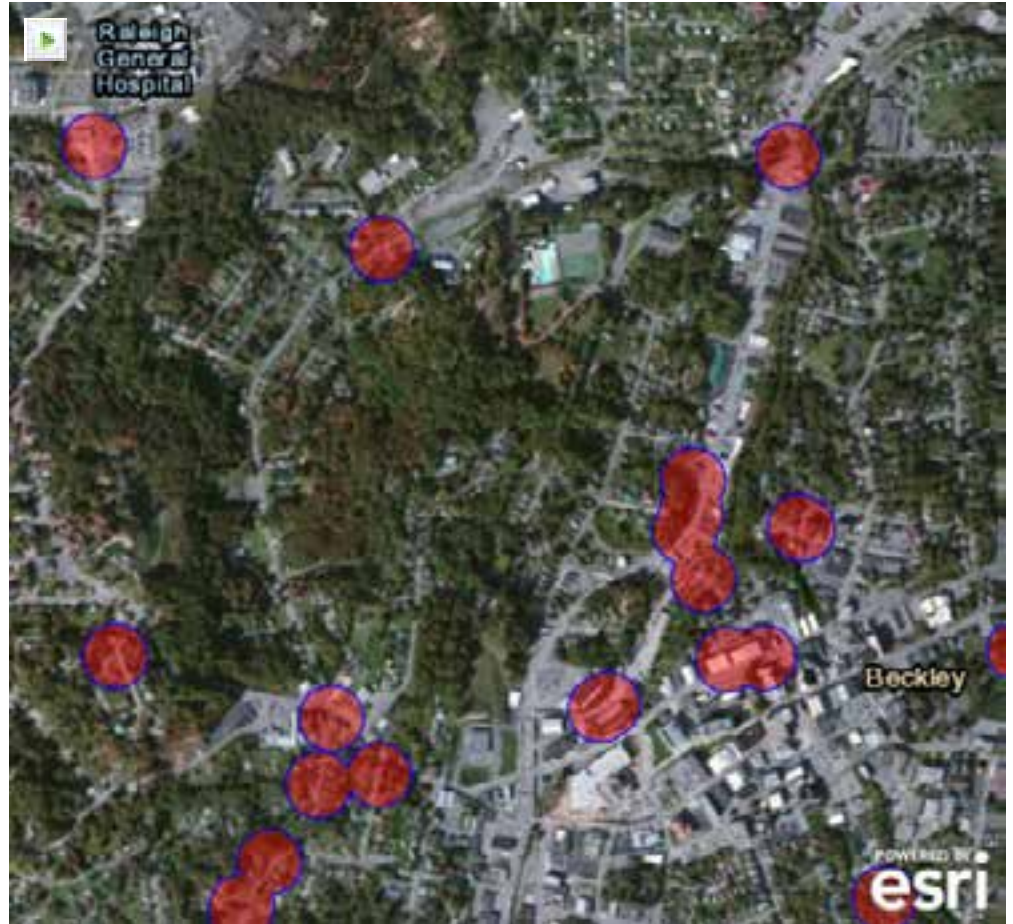


ESRI Maps for Office

Map created using Excel

June 2013 Storm
1.88in of rain in 30min
Extreme Flooding

Map created by
Christy Graham
Stormwater Administrative Assistant



Field Application

Field crew needs updated data

Smart phones accessing ESRI's apps

ArcGIS

Collector

Generate Real time data using the Collector App

Set the collector map up in the office

Share with a specific group

Use the collector app to collect real time data

View and analyze data in the office



Site Registrations

Data Collected using ESRI's Collector APP

Data collection performed by Storm
Water Inspector

Real time data and accurate records for
the MS4 permit program

Collector Examples:

Site Registrations

Collection Map

Flusher Map



Conclusion

Real time information allows the Beckley Sanitary Board to solve problems efficiently and in a timely manner.

BSB uses an enterprise license and has the ability to use this application as part of the licenses agreement. Please follow up with ESRI on your license agreement and prices.

Story Telling Maps

Beckley Area Rain Garden Tour

Published to Beckley Sanitary Board's
Facebook Page

Rain Garden Tour:

<http://brcmetrogis.maps.arcgis.com/apps/MapTour/index.html?appid=3f6f3539f9b440eb9b8857abfb97946b&webmap=989f332d78324526b0fdb3890552d264>