Teaching about Water Resources using ArcGIS Online

Joanne Logan

Ruth Anne Hanahan

University of Tennessee

STREAM FLOW
HOW FLOW AFFECTS ECOSYSTEMS
FACTORS AFFECTING FLOW
FLOW = A L C / T

Developing Your Stormwater Pollution Prevention Plan

A Guide for Construction Sites

EPA-833-R-06-004
May 2007

FOR USED OIL ONLY
Do not place any materials
other than used oil into this tank

SWPPP Feature Collection

- Storm drains and outfalls
- Dumpsters
- Storage bins and tanks
- Downspouts
- Litter
- Water such as ponds
- BMPs such as rain gardens, swales
- Trees

Database Properties

General | Domains

Domain Name	Description
RoofCondition	State of repair of the roof
RoofSlope	Flat or peaked
RoofType	Construction material of roof
SD_Condition	Condition of storm drain
SD_Decal	Do Not Dump Drains to Stream
SD_Insert	Presence and Condition of insert

Feature Class Properties

General | Editor Tracking | XY Coordinate System | Domain, Resolution

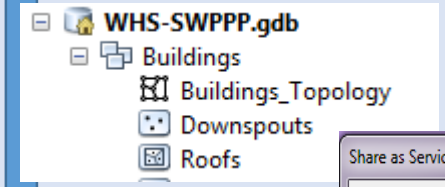
Fields | Indexes | Subtypes | Feature Extent | Relationships

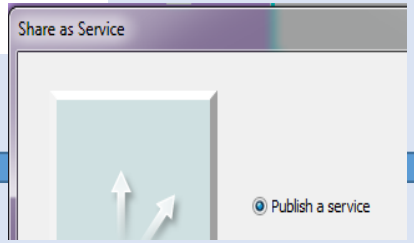
Field Name	Data Type
OBJECTID	Object ID
SHAPE	Geometry
SD_Type	Text
SD_Size	Text
SD_Condition	Text
SD_Insert	Text
SD_Decal	Text

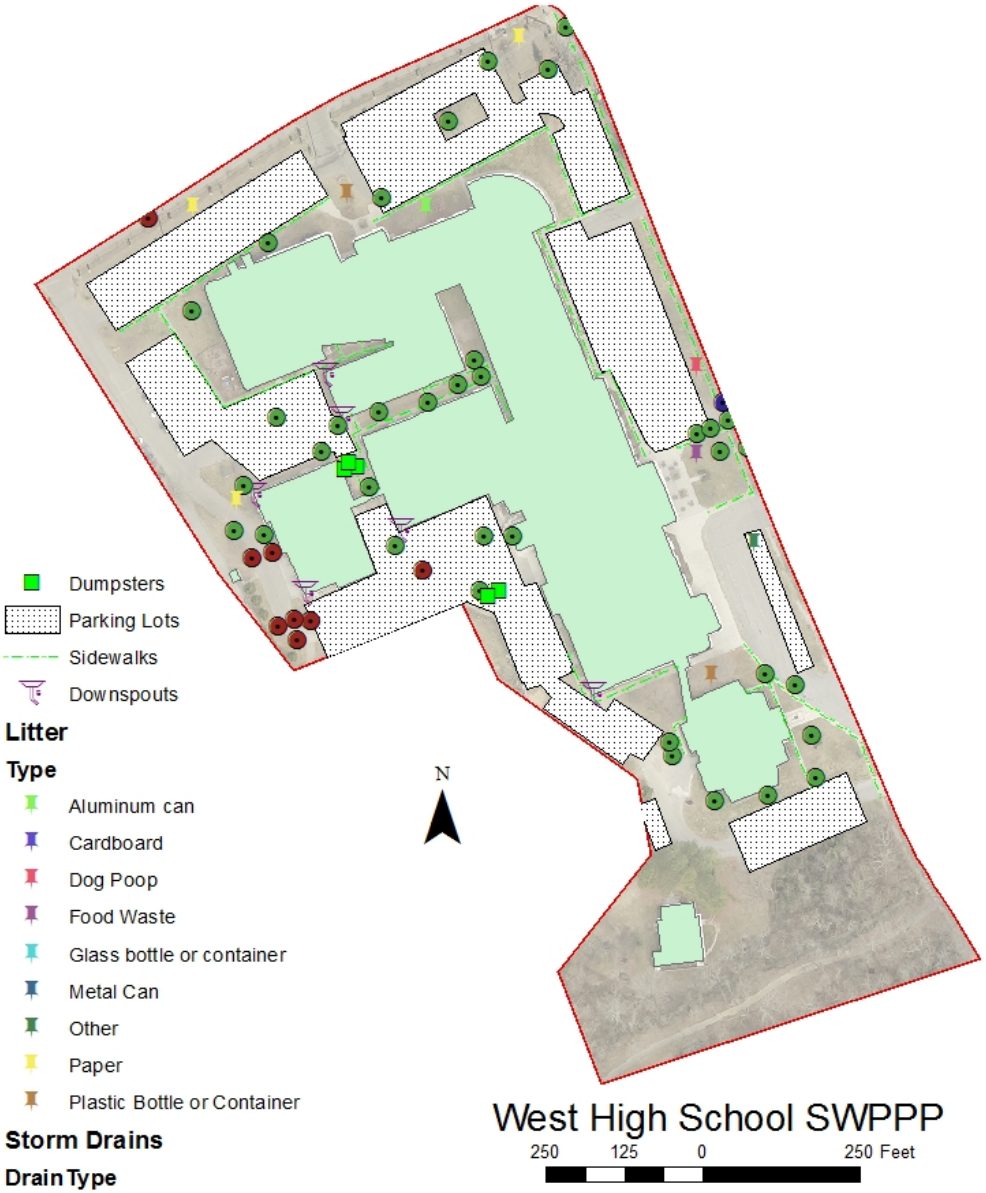
Click any field to see its properties.

Field Properties

Alias	Condition
Allow NULL values	Yes
Default Value	0-25
Domain	SD_Condition
Length	50







About Content Legend

Legend

SWPPP_All_WHS_July13 - Litter

- Aluminum can
- Cardboard
- Dog Poop
- Food Waste
- Glass bottle or container
- Metal Can
- Other
- Paper
- Plastic Bottle or Container

SWPPP_All_WHS_July13 - Dumpsters

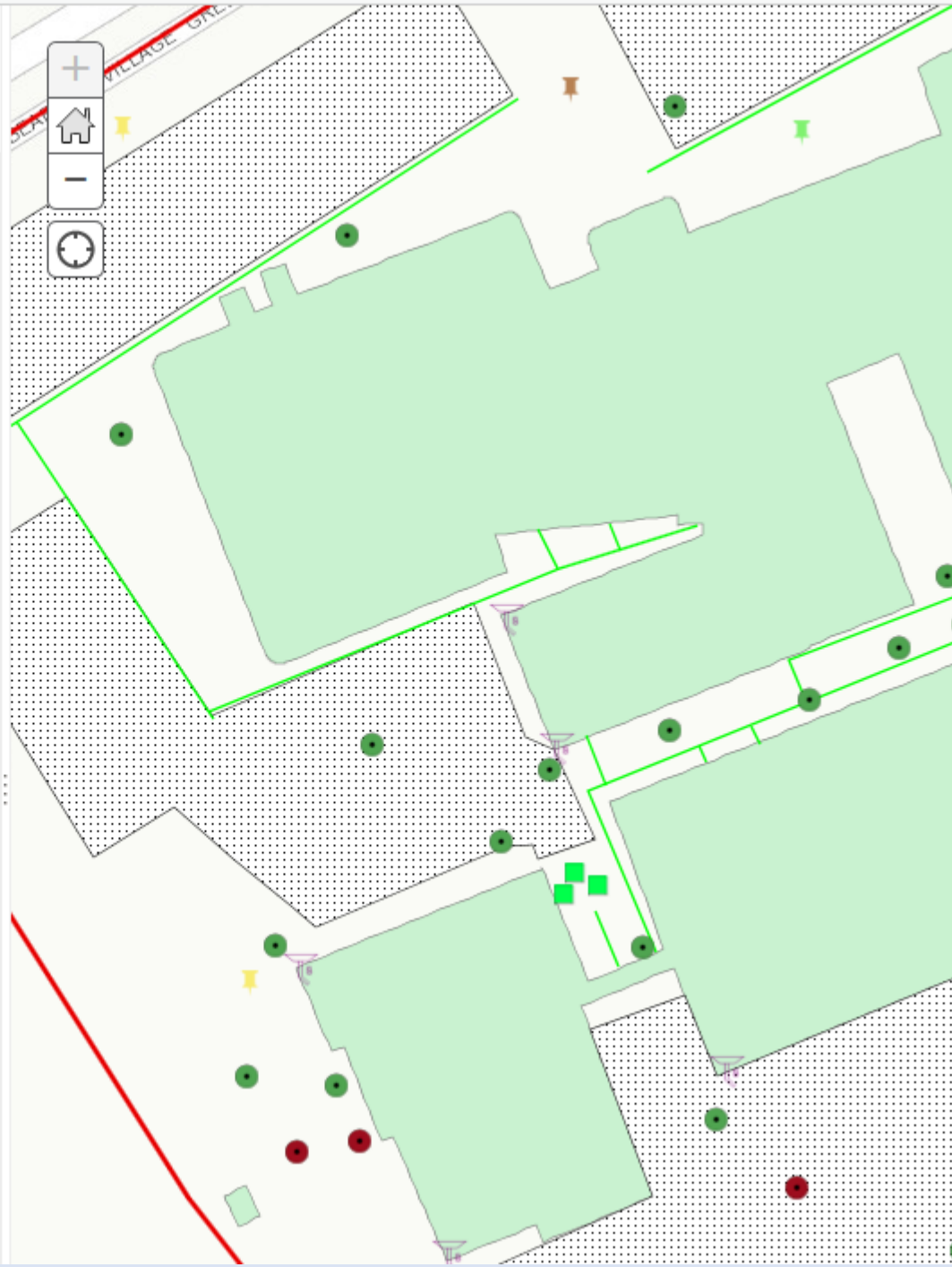
SWPPP_All_WHS_July13 - Storm Drains

- Basin
- CurbInlet
- CurbInletGrate

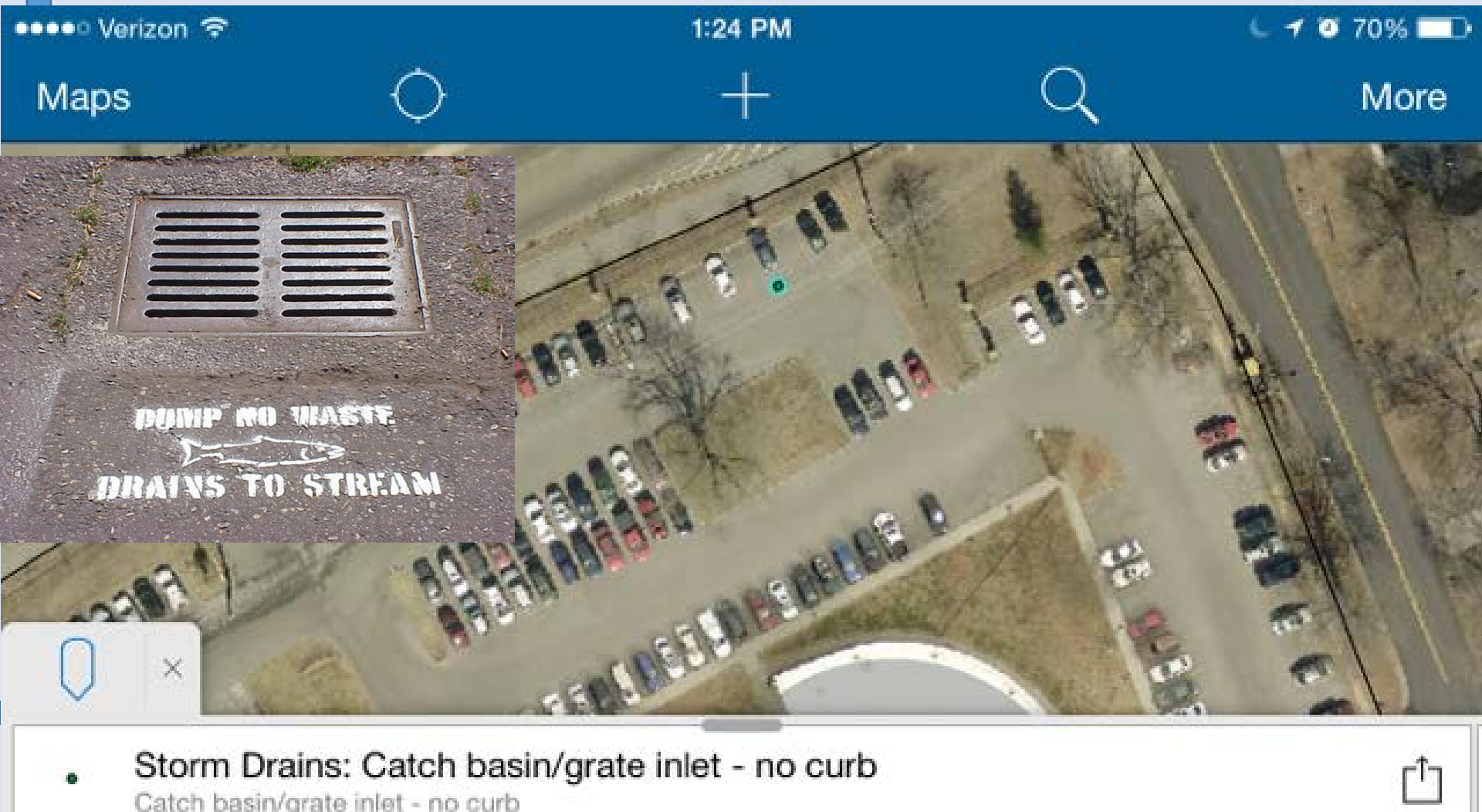
SWPPP_All_WHS_July13 - Downspouts

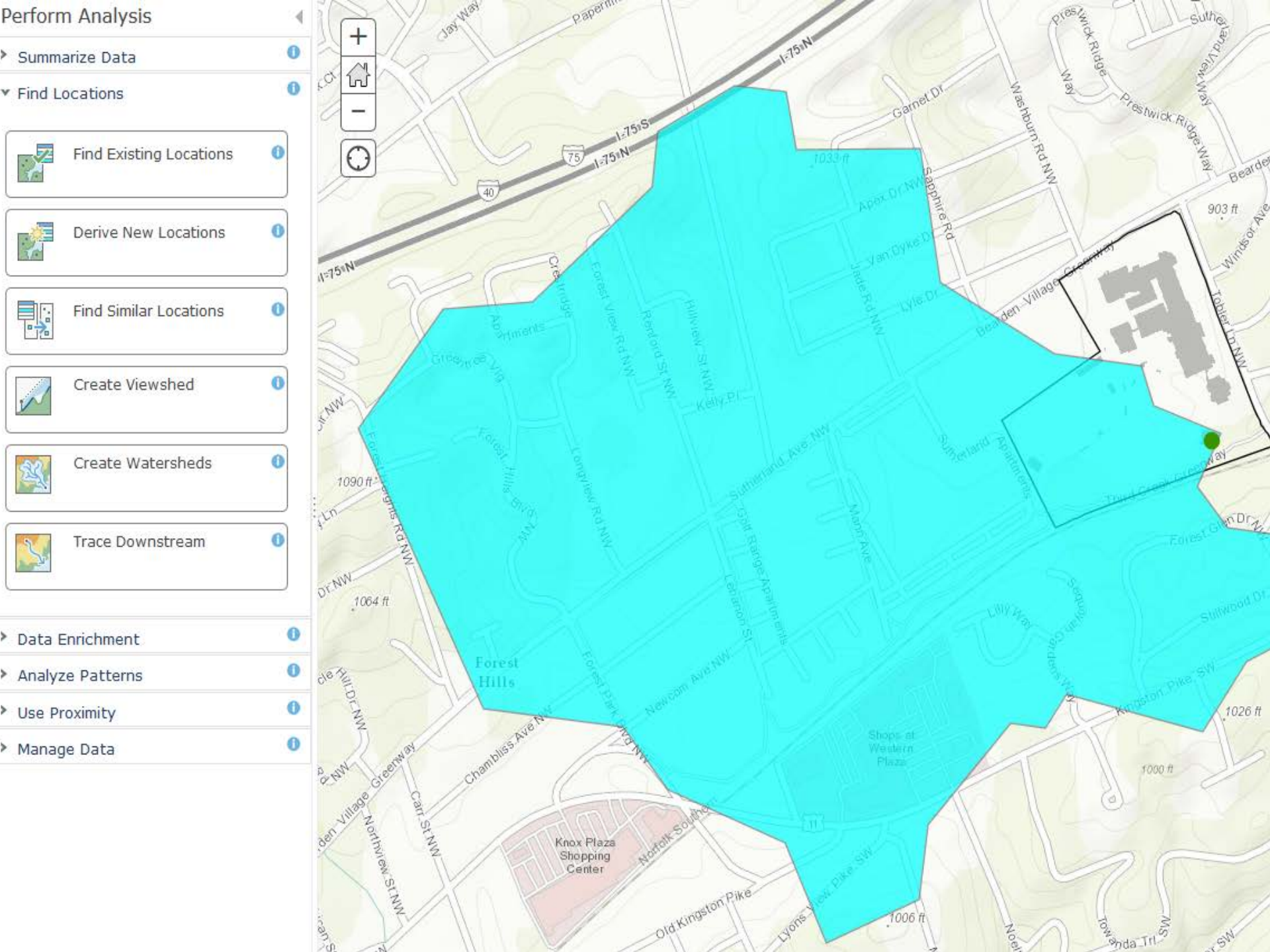
SWPPP_All_WHS_July13 - Sidewalks

SWPPP_All_WHS_July13 - Parking Lots



Collector App




Perform Analysis
Summarize Data
Find Locations
Find Existing Locations
Derive New Locations
Find Similar Locations
Create Viewshed
Create Watersheds
Trace Downstream
Data Enrichment
Analyze Patterns
Use Proximity
Manage Data
I-75 N
I-75 S
Forest Hills
Knox Plaza Shopping Center
Shops at Western Plaza
Sutherland Ave NW
Newcom Ave NW
Chambliss Ave NW
Old Kingston Pike
Kingston Pike SW
Forest Glen Dr NW
Sapphire Rd
Washburn Rd NW
Garnet Dr
Prestwick Ridge Way
Tobler Ln NW
Forest View Rd NW
Renford St NW
Hillview St NW
Longview Rd NW
Forest Park Blvd NW
Forest Heights Rd NW
Northview St NW
Carr St NW
Lyons View Pike SW
Lilly Way
Sequoyah Gardens Way
Stillwood Dr
Apex Dr NW
Van Dyke Dr
Jade Rd NW
Lyle Dr
Kelly Pl
Mann Ave
Golf Range Apartments
Lebanon St
Forest Hills Blvd NW
Greentree Vlg
Apartments
Crestridge
Sutherland Apartments
Bearden Village Greenway
Jay Way
Paperm
1033 ft
903 ft
1090 ft
1064 ft
1026 ft
1000 ft
1006 ft

Recap

- Americorps Water Quality Team
- SWPPP features
- ArcMap/ArcGIS Online/Collector App
- Create Watershed Analysis
- Next – student maps, storymaps, Snap2Map, more analyses and data enrichment, etc.