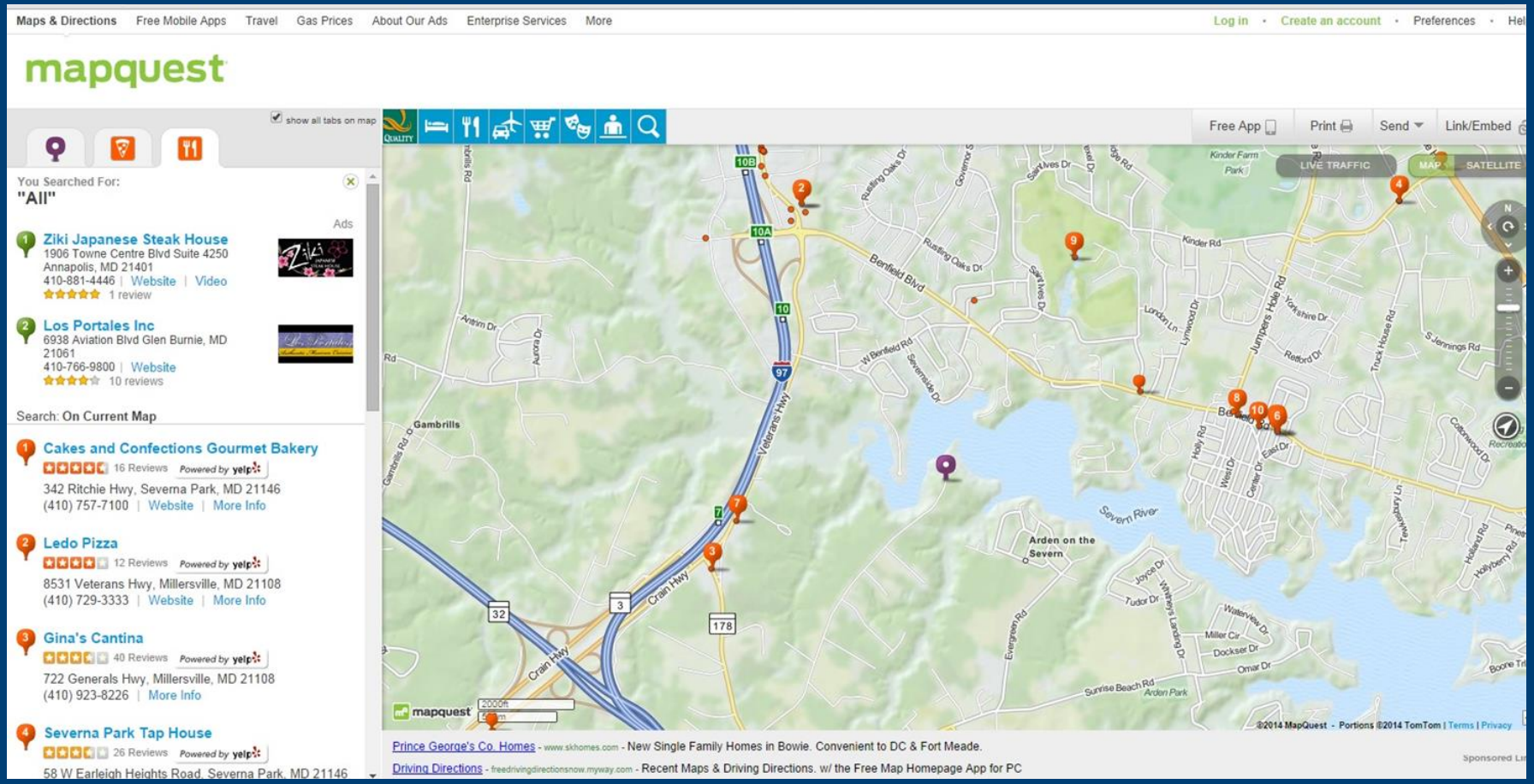
GIS
WELCOME
UNITED WE MAP!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You Searched For:
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Ads
1 Ziki Japanese Steak House
1906 Towne Centre Blvd Suite 4250
Annapolis, MD 21401
410-881-4446 | Website | Video
1 review
2 Los Portales Inc
6938 Aviation Blvd Glen Burnie, MD
21061
410-766-9800 | Website
10 reviews
Search: On Current Map
1 Cakes and Confections Gourmet Bakery
16 Reviews Powered by yelp
342 Ritchie Hwy, Severna Park, MD 21146
(410) 757-7100 | Website | More Info
2 Ledo Pizza
12 Reviews Powered by yelp
8531 Veterans Hwy, Millersville, MD 21108
(410) 729-3333 | Website | More Info
3 Gina's Cantina
40 Reviews Powered by yelp
722 Generals Hwy, Millersville, MD 21108
(410) 923-8226 | More Info
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SATELLITE
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Arden on the Severn
Severn River
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Explore your Watershed with GIS

Watershed Mapping Application is a project of
Anne Arundel County Watershed Protection and Restoration Program
Anne Arundel County Department of Public Works
Anne Arundel County Office of Information Technology

GIS:

Geographic – study of location

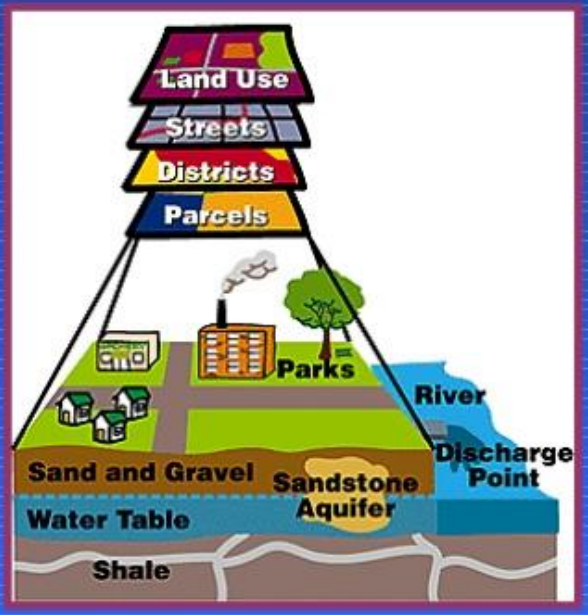
Information – collection of facts

MWS Class 1-3

Shape	Status	Score	Match_type	Match_addr	Side	Ref_ID	Addr_type	ARC_Street	ARC_ZIP	
Point	M	100	A	670 PLANTATION BLVD, 20778	L	0	StreetAddress	670 Plantation Blvd		MaryB
Point	M	100	A	907 ARUNAH AVE, 21228	L	0	StreetAddress	907 Arunah Ave		Chris A
Point	M	100	A	1301 DAMASCUS ST, 21113	L	0	StreetAddress	1301 Damascus Street		Rober
Point	M	100	A	3734 1ST AVE, 21037	R	0	StreetAddress	3734 First Avenue		Georg
Point	M	100	A	307 DEWEY DR, 21401	L	0	StreetAddress	307 Dewey Drive		Nina F
Point	M	100	A	730 CYPRESS RD, 21146	R	0	StreetAddress	730 Cypress Road		Allen J
Point	M	100	A	1705 BASIL WAY, 21054	L	0	StreetAddress	1705 Basil Way		Beth F
Point	M	100	A	1301 DAMASCUS ST, 21113	L	0	StreetAddress	1301 Damascus Street		Miche
Point	M	100	A	1399 FOREST DR, 21403	L	0	StreetAddress	1399 Forest Dr		Nan H
Point	M	100	A	1710 DISNEY RD, 21144	R	0	StreetAddress	1710 Disney Road		Jay L

Systems – how we tie location and facts together

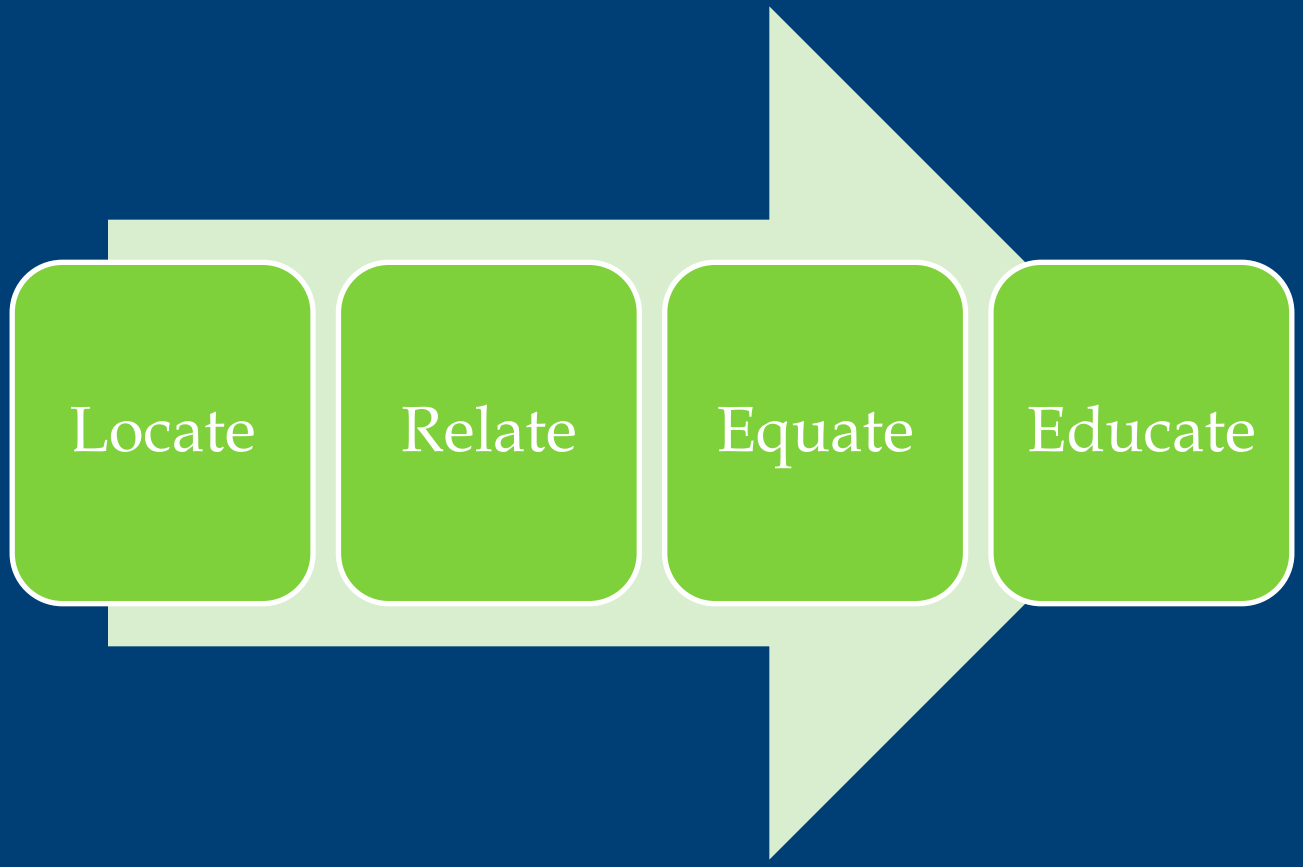
What is GIS ?



- **A method to** *visualize, manipulate, analyze, and display spatial data*
- **"Smart Maps"** *linking a database to the map*

Spatial data = table of information with location information, such as address or latitude/longitude

Objectives



Segelhorst Residence 1715 Justin Dr, Gambrills MD

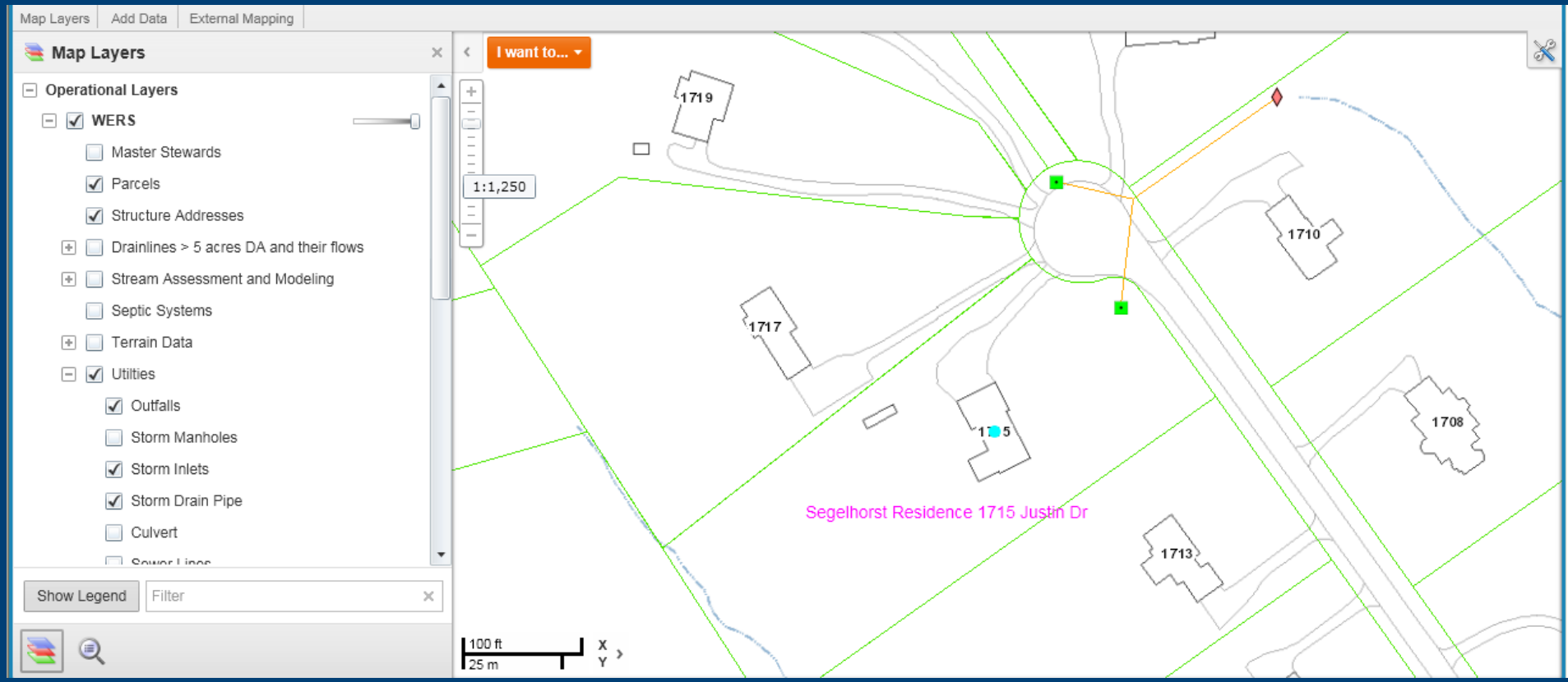
A reforestation and conservation landscape project funded by South River Federation and homeowner
coordinated by Master Watershed Steward Lara Mulvaney

south river federation

WSA
Anne Arundel County · Watershed Stewards Academy

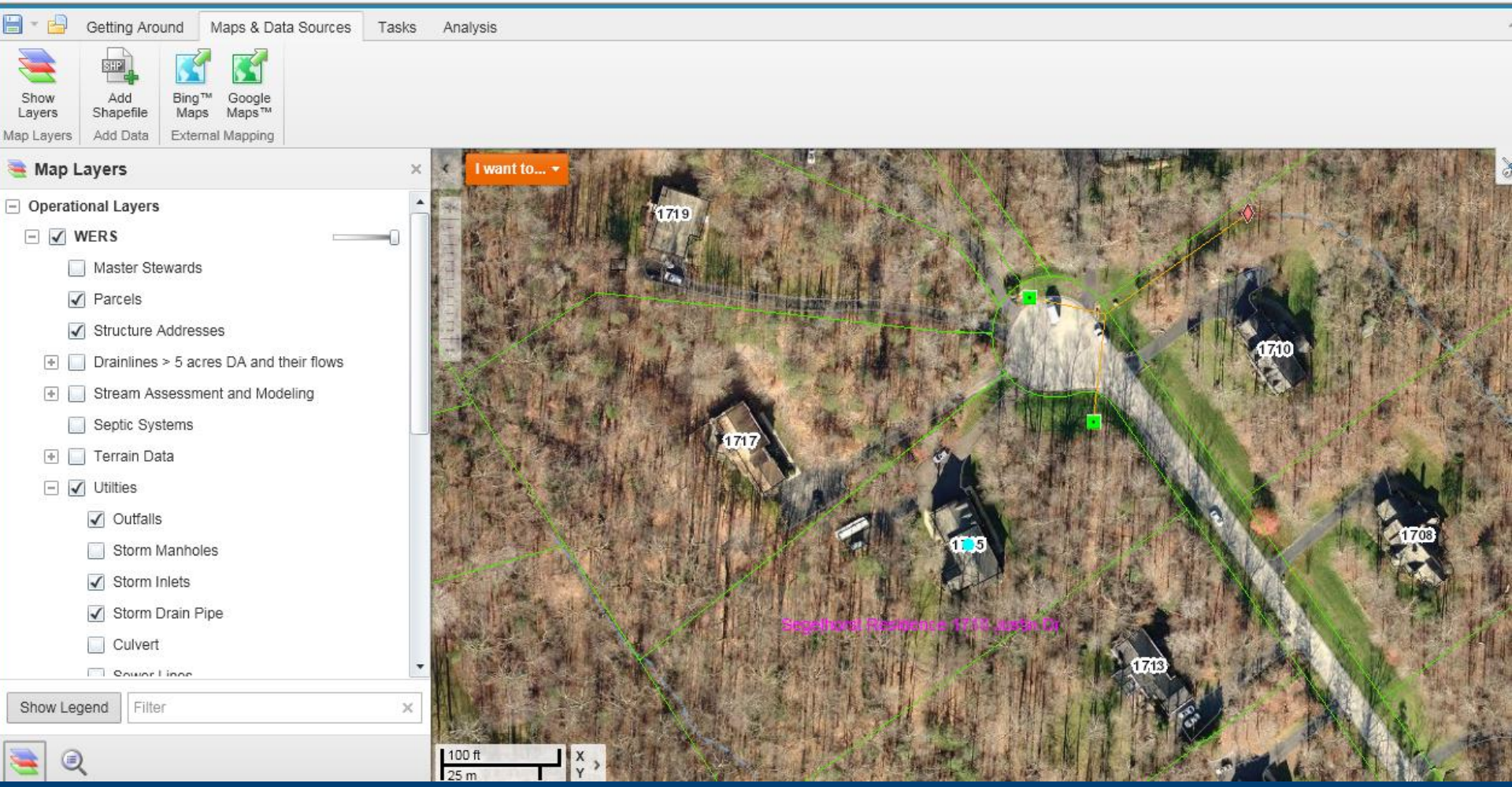
Locate

Segelhorst Residence 1715 Justin Dr, Gambrills in North River 2 Subwatershed
Stormwater inlet in turf area on property discharges across street near 1710 Justin Dr



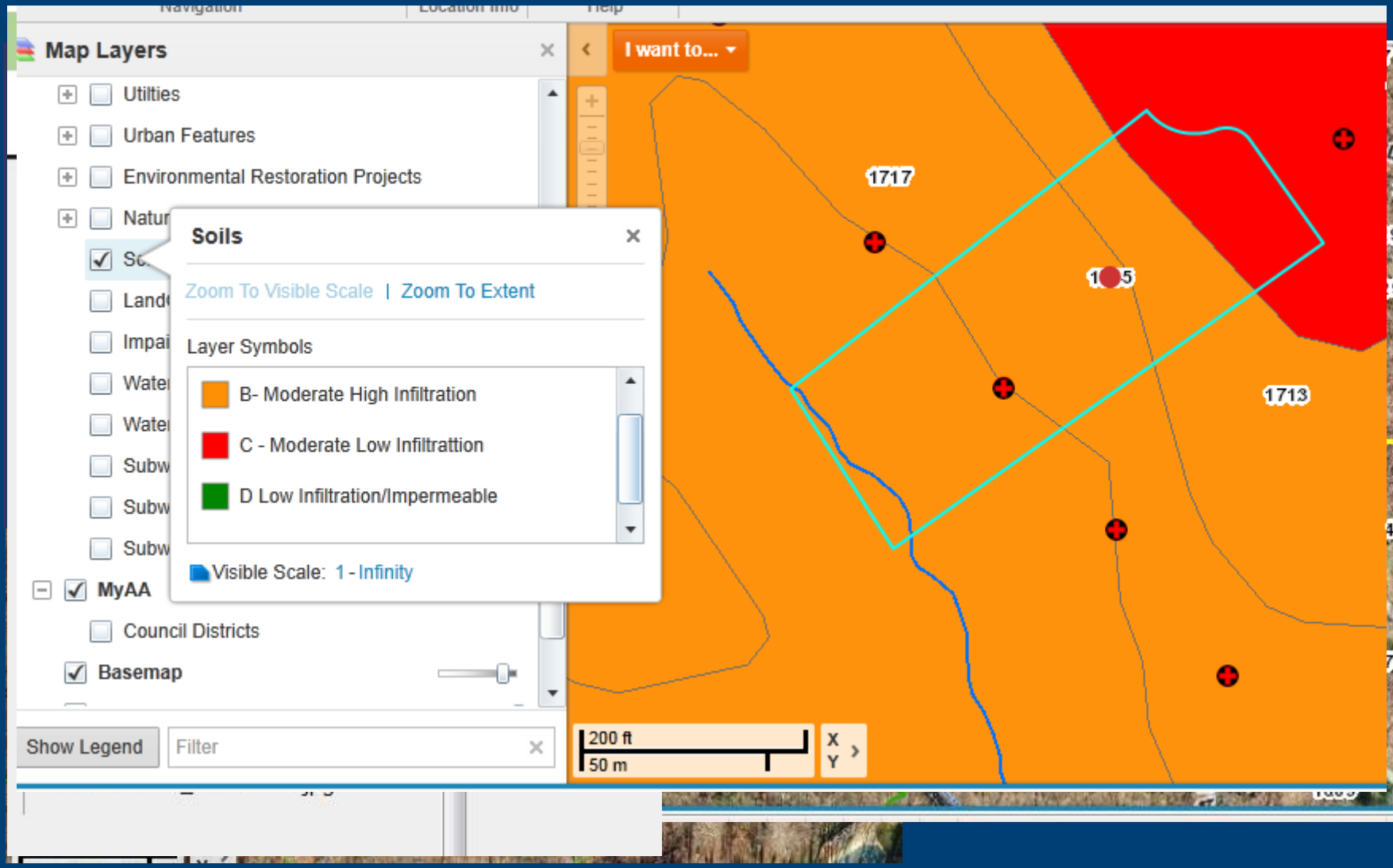
Locate

Segelhorst Residence 1715 Justin Dr, Gambrills in North River 2 Subwatershed
Stormwater inlet in grass area on property empties across street near 1710 Justin Dr



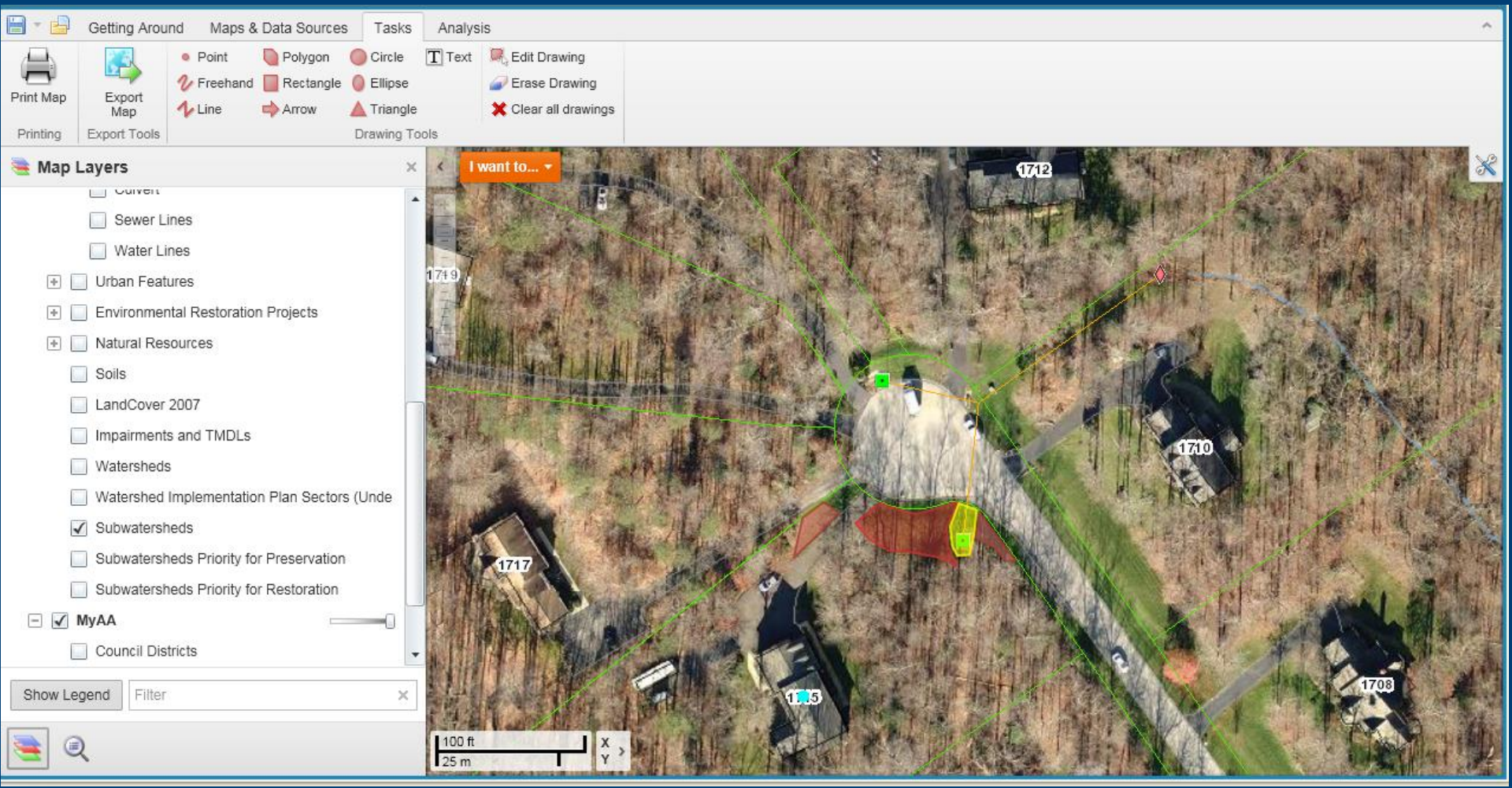
Relate

Where is this in the watershed? How big is this property? How far from…? Stream Condition? Soil?



Shrink the Lawn areas- reduce turf, plant trees, shrubs, groundcover, woodchips

15 ft AA County easement around stormwater infrastructure, planned inlet protection and perennial groundcover



Equate

Area 1= 1930 sq ft

Current turf area

Area 1: NNE exposure to be filled with:
Dogwood
Redbud
Pin oak
American Holly
Ironwood
Red Twig Dogwood
Spicebush
Christmas Fern

Equate

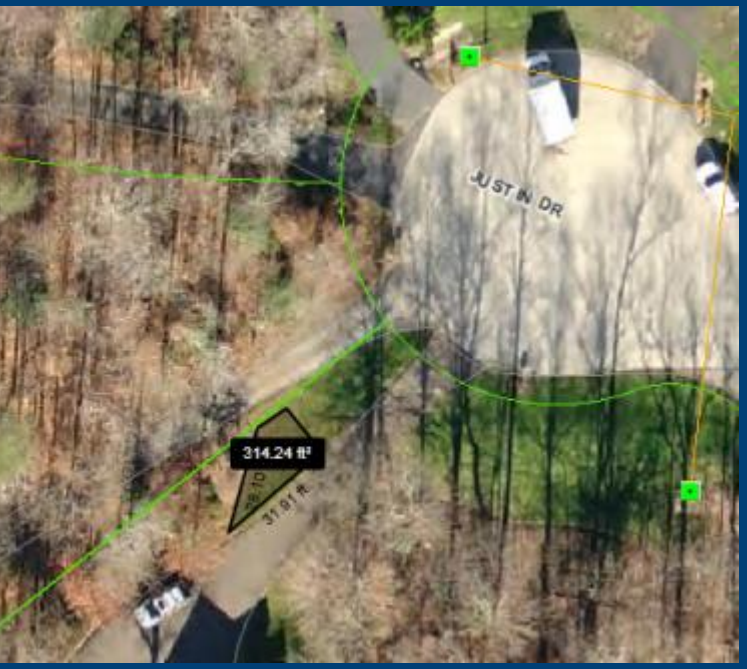
Area 2= 365 sq ft

Area 2: NE Exposure Sassafras trees, witch hazel shrubs to be planted in forest edge

Current turf area

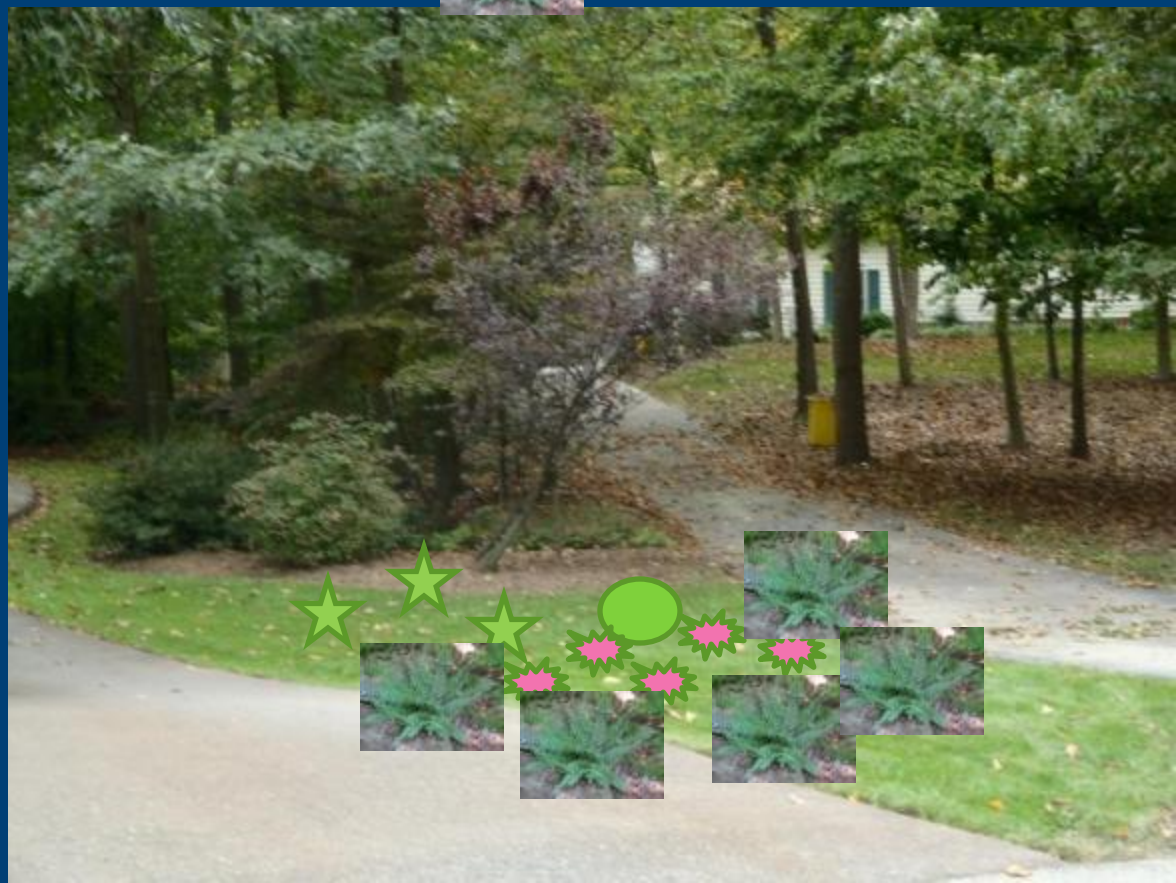
Equate

Area 3= 315 sq ft



Area 3: Driveway Bed, NE Exposure, Wet
To be planted:

Sweet Bay Magnolia,
Virginia sweetspire,
Red Twig Dogwood,
christmas fern



Educate

Restoration Action

south river federation

- Applications are accepted on a rolling basis throughout the year.
- Return the completed application to: Jennifer Carr at jennifer@southriverfederation.net or

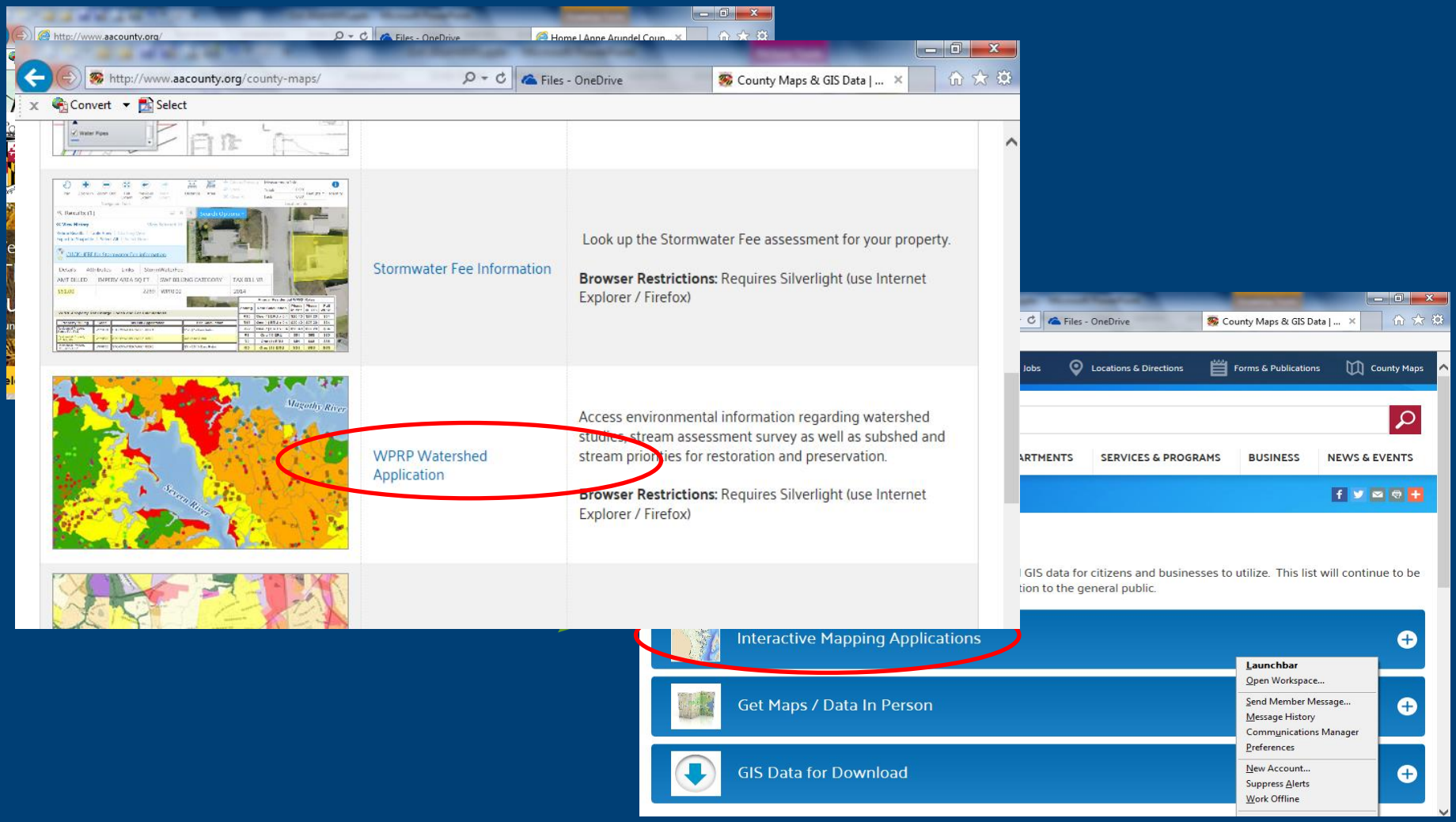
South River Federation
2830 Solomons Island Road
Edgewater, MD 21037

- For assistance, contact the grant program coordinator at (410) 224-3802 or email at jennifer@southriverfederation.net .

NAME OF ORGANIZATION: Watershed Stewards Academy
DATE: Oct 7, 2012
DESCRIPTION OF REQUESTING ORGANIZATION: Master Watershed Steward Lara Mulvaney working within North River Subwatershed of South River
PROJECT LEADER OR COORDINATOR:
Name: Lara Mulvaney
Title: Master Watershed Steward, Flat Creek/South River
Address: 1033 Ashe St, Davidsonville, MD 21035
Daytime Phone: 410-956-4451

www.aacounty.org

County Maps, Interactive Mapping Applications, WPRP Watershed Application



Tour the Mapping Application

- Explore the WPRP Mapping Application

Exercises – see practical exercises sheet

Exercise 1: Locate

I want to: Find Address 516 Beach Dr., Annapolis MD

Exercise 2: Relate

Find the subwatershed at 516 Beach Dr.

Exercise 3: Equate

Measure the area of the north/east facing corner portion of the roof over house at 516 Beach Dr. (amount draining to front right downspout).

Exercise 4: Educate

Make a printable close-up jpeg map of the area around 516 Beach Dr. (for display on screen)