NJDEP MS4 Inventory and Mapping Assistance

Presented at the Clean Water Council

EIT, Ewing

January 9, 2018



Tim Ebersberger, Environmental Engineer, BNPC



Current Permit Status

- Final permit issued on November 9, 2017
- Permit will be effective on January 1, 2018

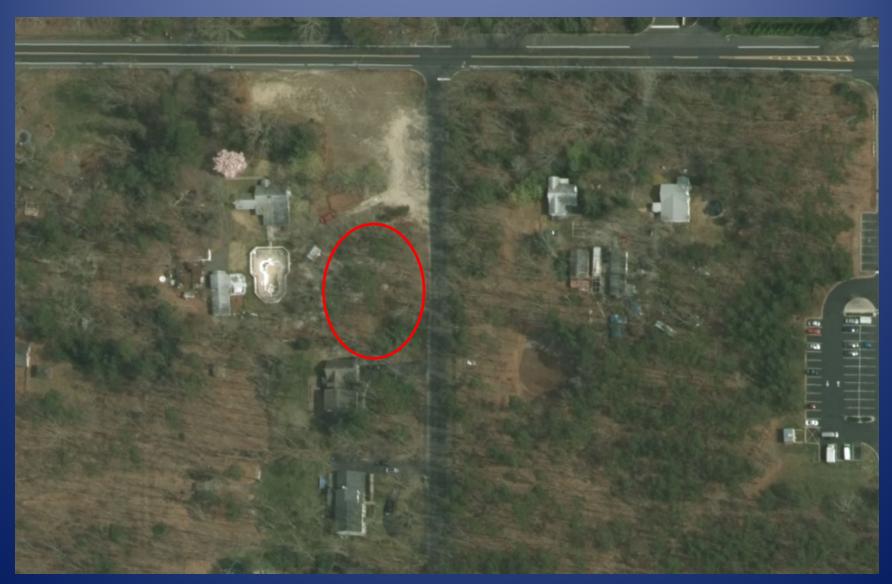
- MS4 Permittees Required to Operate and Maintain Stormwater Management Facilities (SMF)
- MS4 Permittees Required to Ensure Operation and Maintenance of All Privately Owned SMF







- MS4 Permittees Required to Operate and Maintain Stormwater Management Facilities (SMF)
- MS4 Permittees Required to Ensure Operation and Maintenance of All Privately Owned SMF
- How Can Operation and Maintenance Be Performed Properly Without Knowing What Exists and Where it Exists





- MS4 Permittees Required to Operate and Maintain Stormwater Management Facilities (SMF)
- MS4 Permittees Required to Ensure Operation and Maintenance of All Privately Owned SMF
- How Can Operation and Maintenance Be Performed Properly Without Knowing What Exists
- Proper Operation and Maintenance Decreases Localized Flooding and Improves Water Quality



Photo courtesy of Camden SMART

- Meet the Requirement to Develop, Update, and Maintain an Outfall Pipe Map
- Assist in Detecting and Remediating Stream Scouring
- Assist in Detecting and Eliminating Illicit Discharges

• Creation of a data dictionary or template for 6 stormwater infrastructure feature classes



Outfall Pipes





Stormwater Management Basins

Subsurface Infiltration/ Detention



Manufactured Treatment Devices



Green Infrastructure



Storm Drain Inlets

- Creation of a data dictionary or template for 6 stormwater infrastructure feature classes
- Development of multiple collection methodologies to suit different levels of GIS and GPS experience

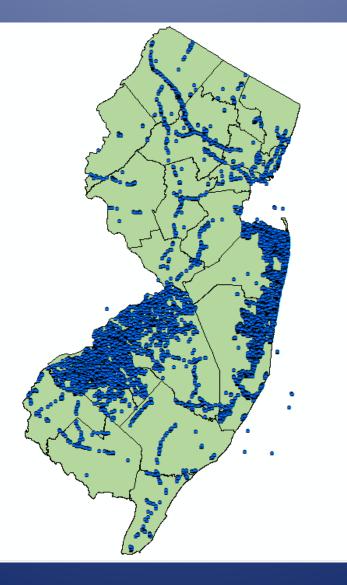




	🝳 Untitled - ArcMap														- F 🗙
	File Edit View Bookmarks	Insert Selection	Geoproce	essing Customize Wind	ows Help										
		(🔊 (×) 🕁 = 1:1	,500,000	- I 🛃 🗐 🛛	i 🗔 💽 🗌	5• L i 🔊 🖄		117 C 41-14 K	181 5 - EAP	四乙爾省		7-1-1	12 0 16	白然田田	166.
The of Control I was an					a : a a :		n na na na 1		Editory	ノアガーキ		Y ALE K	1 67 Sna		
									F . Editor F Al	k 1 (20) (10)	1000				
		^													
GRECULTURE 3 Port Outral <tube< td=""> <tube< td="" tube<=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td="" tube<=""> <tube< td="" tube<=""> <tube< td="" tube<=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td="" tube<=""> <tu><tue< tu=""> WEILANDS 9</tue<></tu></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<>														<search></search>	🛛 🛞 🚦
GGRCUTURE 3 Port Outral dtub dtub <t< td=""><td>🖃 <i> E</i>ayers</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Т</td><td>here are no temp</td><td>lates to show.</td></t<>	🖃 <i> E</i> ayers												Т	here are no temp	lates to show.
GGRCUTURE 3 Port Outral dtub dtub <t< td=""><td>Util_stormwater_outfal</td><td>ll se</td><td></td><td></td><td></td><td></td><td>5 3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.00</td></t<>	Util_stormwater_outfal	ll se					5 3								0.00
GRECULTURE 3 Port Outral <tube< td=""> <tube< td="" tube<=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td="" tube<=""> <tube< td="" tube<=""> <tube< td="" tube<=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td="" tube<=""> <tu><tue< tu=""> WEILANDS 9</tue<></tu></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<>						/	$ \land () $	phange _							
GGRCUTURE 3 Port Outral dtub dtub <t< td=""><td></td><td></td><td></td><td></td><td></td><td>(</td><td></td><td></td><td>)</td><td></td><td></td><td></td><td></td><td></td><td>al 🔽</td></t<>						()						al 🔽
GRECULTURE 3 Port Outral <tube< td=""> <tube< td="" tube<=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td="" tube<=""> <tube< td="" tube<=""> <tube< td="" tube<=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td="" tube<=""> <tu><tue< tu=""> WEILANDS 9</tue<></tu></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<>														L X	
GRECULTURE 3 Port Outral <tube< td=""> <tube< td="" tube<=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td="" tube<=""> <tube< td="" tube<=""> <tube< td="" tube<=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td="" tube<=""> <tu><tue< tu=""> WEILANDS 9</tue<></tu></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<>		🗄 - 🗄 - 💾 🕅	🛃 🛛 📲	×											
GRECULTURE 3 Port Outral <tube< td=""> <tube< td="" tube<=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td="" tube<=""> <tube< td="" tube<=""> <tube< td="" tube<=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td="" tube<=""> <tu><tue< tu=""> WEILANDS 9</tue<></tu></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<>	Counties	Util_stormwater_outfa	all											×	1
GRECULTURE 3 Port Outral <tube< td=""> <tube< td="" tube<=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td="" tube<=""> <tube< td="" tube<=""> <tube< td="" tube<=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td="" tube<=""> <tu><tue< tu=""> WEILANDS 9</tue<></tu></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<>		OBJECTID *	SHAPE *	OutfallType	Outfall_ID	OwnerType	Owner	OutfallDescription	OutfallCondition	PipeMaterial	Pipe Shape	PipeHeight	PipeWidth	HeadwallC 🔺	
GRECULTURE 3 Port Outral <tube< td=""> <tube< td="" tube<=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td="" tube<=""> <tube< td="" tube<=""> <tube< td="" tube<=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td=""> <tube< td="" tube<=""> <tu><tue< tu=""> WEILANDS 9</tue<></tu></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<></tube<>	🛞 🗌 Municipalities														
Abolice Unitaria dub	- 66														l l
ANKENCLAND 5 berd output tube	AGRICULTURE														
I COREST I Port Outlat															
WATER 0 bits															
WETLANDS S Point Outfail dtube dtu															
10 Perit Outfal					<null></null>	<null></null>	<null></null>	<null></null>	Unknown	<null></null>	<null></null>	<null></null>	<null></null>	<nul></nul>	
11 Point Outfail 4Uub	WETLANDS														
12 Point Outfall															
13 Dout Outral <															
14 Point Outfai <lub< td=""> <lub< td=""></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<></lub<>															
Or swing * K · · · · · · · · · · · · · · · · · ·															
Image: Construction Tools Select a template. Drawing * k ? 20 Adal * 10 * B I U A * 2 * 2 * 2 * 5 ; DEP Data* Data Layers: Counties * Imager: * County/Muni Selector: * 5		15 Po	pint	Outfall	<null></null>	<null></null>	<null></null>	<nul></nul>	Unknown	<null></null>	<null></null>	<null></null>	<null></null>	<nul></nul>	
Util_stormwater_outfall Util_stormwater_outfall Image: Construction Tools Select a template.		1		A 17 1					l					** · · · · · · · · · · · · · · · · · ·	
Util_stormwater_outfall Util_stormwater_outfall Image: Construction Tools Select a template.		14 4 1	ь ы I	0 out of 12567 Sala	(stad)										
Image: County/Muni Selector: Tools		_			cteuy										1
Construction Tools Select a template. Drawing * k · · · · · · · · · · · · · · · · · ·		Util_stormwater_outf	fall												
Construction Tools Select a template. Drawing * k · · · · · · · · · · · · · · · · · ·					لار م	<u>፟፟</u> ጚ፝፝፝፝፞፞፞፞፞፞፞፞		• 7•							
Construction Tools Select a template. Drawing * k · · · · · · · · · · · · · · · · · ·					1										
Construction Tools Select a template. Drawing * k · · · · · · · · · · · · · · · · · ·						γ	• <u>_</u>								
Select a template.						~~ °	(7					100		
< <p></p>													🗈 Constru	uction Tools	
< <p>Image: Sector: The sector</p>							ጋ 📚 /							Select a tem	nplate.
Drawing - 📐 🖓 🔄 🗌 - A - 🖄 🙋 Arial - 10 - B I U A - 🗞 - 🥭 - 🥭 - 🖉 DEP Data - Data Layers: Counties - Imagery: - County/Muni Selector: - 🕫							1 2 1								
Drawing - 📐 🖓 🔄 🗌 - A - 🖄 🙋 Arial - 10 - B I U A - 🗞							e •								
Drawing - 📐 🖓 🔄 🗌 - A - 🖄 🙋 Arial - 10 - B I U A - 🗞													-		
	< III							m				•			
		Drawing - 📐 🕞	- 1	🖌 🗕 🖾 🛛 🗖 Arial	•	10 - B	I <u>U</u> A - 3	• • 🧖 • • • 🔤 DE	P Data 🝷 Data Layers :	Counties - In	nagery :	- Coun	ty/Muni Select	tor :	
													315	618.115 789355.14	45 Feet

	€) - ∂ - ∓			Test	[Compatibility Mode] - Excel					Ebersberge	er, Timothy 🗈 —	o /×
File	Home Insert Page Layout	Formulas Data Review	v View Developer 🗘 Tell me what y	u want to do								A Share
									Aut-Sum x A			7 ⁺ share
	Anal *	10 • A A = = = 8		¥ 	Bad Good	Neutral	Calculation	Ξ 🖹 🚺	AutoSum * AT			
Paste	✓ Format Painter B I U - A	- <u>^</u> - <u>A</u> - = = = •	≣ 🗾 🖽 Merge & Center ▪ \$ ▪ % ㆍ		Explanatory T Input	Linked Cell		Insert Delete Format	Sort & Find			
Ť	Clipboard 5 Font		Alignment 🕫 Number	Formatting * Table *	Styles			Cells	Editing	ct *		~
	- : × ✓ fx	OBJECTID			,				3			
A1	\bullet : $\land \lor Jx$	OBJECTID										V
	A B OBJECTID Outfall IE	C	D	E	F	G	H	PipeShape	J	K PipeWidth	L HeadwallStructure	BMPS
1 7453	OBJECTID Outfall_IE 7452	D County Somerset	Municipality Bound Brook Borough	RoadName	OwnerType State	OutfallType Concrete headwall	PipeMaterial Concrete	Circular	PipeHeight 24	Pipevviath 24	HeadwallStructure	BMPS
7454	7453	Somerset	Bound Brook Borough		State	Concrete headwall	Concrete	Circular	60	60		
7455	7454	Somerset	Bound Brook Borough		State		Concrete	Circular	30	30		
7456	7455	Somerset	Bound Brook Borough		State		Clay	e: 1				
7457 7458	7456 7457	Somerset Somerset	Bound Brook Borough Bound Brook Borough		State	Pipe in headwall Pipe in headwall	Concrete Clay	Circular Circular	24	24		
7459	7458	Somerset	Bound Brook Borough		State	Pipe in headwall	Concrete	Circular	13	15		
7460	7459	Somerset	Bound Brook Borough		State	Pipe in headwall	Clay	Circular	15	15		
7461	7460	Somerset	Raritan Borough		State		Metal	Circular	15	15		
7462	7461	Somerset	Raritan Borough		State		Concrete	Circular	18	18		
7463 7464	7462 7463	Middlesex Middlesex	Middlesex Borough Middlesex Borough		State	Pipe in headwall	Concrete Concrete	Circular	18	18		
7404	7464	Middlesex	Middlesex Borough		State	Pipe in headwall	Concrete	Circular	18	18		
7466	7465	Middlesex	Middlesex Borough		State		Concrete	Circular	15	15		
7467	7466	Middlesex	Middlesex Borough		State	Pipe in headwall	Metal	Circular	15	15		
7468	7467	Middlesex	Middlesex Borough		State	Pipe in headwall	Concrete	Circular	42	42		
7469 7470	7468 7469	Middlesex Middlesex	Middlesex Borough		State	Pipe in headwall	Concrete	Circular Circular	42	42 36		
7470	7409	Middlesex	Middlesex Borough Dunellen Borough		State	Pipe in headwall Pipe in headwall	Concrete Concrete	Circular	15	15		
7472	7471	Gloucester	Franklin Township		State	Pipe in headwall	Concrete	Circular	18	18		
7473	7472	Somerset	Green Brook Township		State		Concrete	Circular	24	24		
7474	7473	Hunterdon	Clinton Town		State	Pipe in headwall	Concrete	Circular	24	24		
7475 7476	7474 7475	Hunterdon Hunterdon	Clinton Town		State	Pipe in headwall	Metal Concrete	Circular Circular	24	24 15		
7470	7476	Hunterdon	Clinton Town Clinton Town		State	Pipe Pipe in headwall	Concrete	Circular	15	15		
7478	7477	Hunterdon	Clinton Town		State	Pipe	Concrete	Circular	15	15		
7479	7478	Hunterdon	Clinton Town		State	Pipe in headwall	Concrete	Circular	15	15		
7480	7479	Hunterdon	Clinton Town		State	Pipe in headwall	Concrete	Circular	15	15		
7481 7482	7480 7481	Hunterdon Hunterdon	Clinton Town Clinton Town		State	Pipe Pipe in headwall	Concrete Concrete	Circular Circular	18	18 15		
7483	7482	Hunterdon	Clinton Town		State	Pipe in headwall	Concrete	Circular	15	15		
7484	7483	Hunterdon	Clinton Town		State	r ipo in nodalida	Metal	Circular	18	18		
7485	7484	Hunterdon	Clinton Town		State	Pipe	Concrete	Circular	30	30		
7486	7485	Hunterdon	Clinton Town		State	Pipe in headwall	Concrete	Circular	15	15		
7487 7488	7486 7487	Hunterdon Hunterdon	Clinton Town Clinton Town		State	Pipe in headwall	Concrete Metal	Circular Circular	30 30	30 30		
7488	7488	Hunterdon	Clinton Town		State	Pipe	Concrete	Circular	24	24		
7490	7489	Hunterdon	Clinton Town		State	Pipe	Concrete	Circular	24	24		
7491	7490	Hunterdon	Clinton Town		State	Pipe in headwall	Concrete	Circular	24	24		
7492	7491	Hunterdon	Clinton Town		State	Pipe in headwall	Concrete	Circular	24	24		
7493 7494	7492 7493	Hunterdon	Clinton Town		State	Pipe in headwall	Concrete	Circular	18 18	18 18		
7494	7493	Hunterdon Somerset	Clinton Town Bridgewater Township		State	Pipe Concrete headwall	Concrete Metal	Circular Circular	18	18		
7495	7494	Somerset	Bridgewater Township		State	Pipe in headwall	Clay	Circular	24	24		
7497	7496	Somerset	Bridgewater Township		State	Pipe in headwall	Metal	Circular	12	12		
7498	7497	Somerset	Bridgewater Township		State		Clay	Circular	12	12		
7499	7498	Somerset	Bridgewater Township		State	Pipe in headwall	Concrete	Circular	18	18		
		Comoraat	uriacouster Loupebie		('toto		Concrete	r issular	10	40		Þ
Ready										III	II	+ 100%

- Creation of a data dictionary or template for 6 stormwater infrastructure feature classes
- Development of multiple collection methodologies to suit different levels of GIS and GPS experience
- Incorporation of existing data for use as a starting point





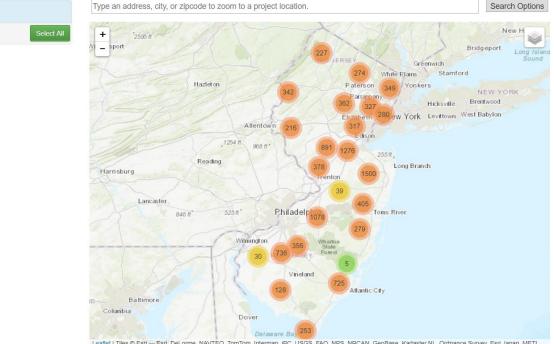
New Jersey Hydrologic Modeling Database

Home Contributors About Downloads Documents / Forms Contacts Log In

Use the filter below to quickly zoom to projects at the county level

County Filter

Search for a desired location in the search box, or click on a numbered dot to zoom in. The number reflects the number of projects within the local area.



Leaflet | Tiles @ Eshl — Eshl DeLorme, NAVTEQ, TomTom, Intermap, IPC, USGS, FAO, NPS, NRCAN, GeoBase, Kadaster NL, Ordnance Survey, Esri Japan, METI, 'Eshl China' (Hong Kong), and the GIS User Community

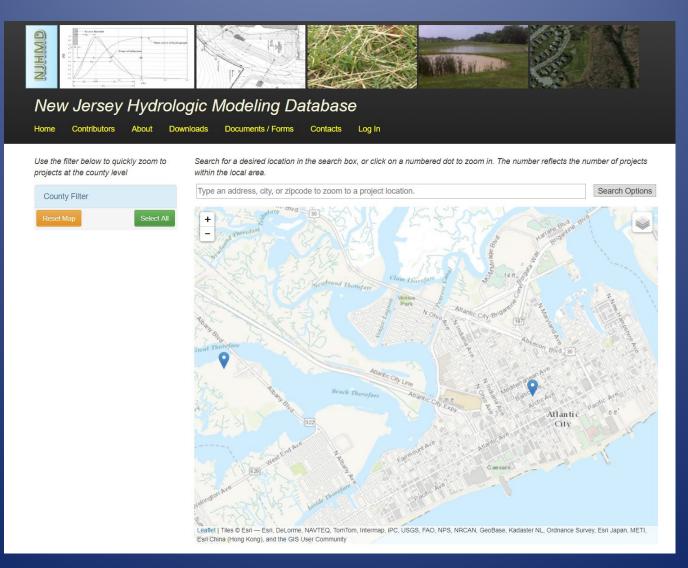
- Creation of a data dictionary or template for 6 stormwater infrastructure feature classes
- Development of multiple collection methodologies to suit different levels of GIS and GPS experience
- Incorporation of existing data for use as a starting point
- Detailed guidance on use of collection methodologies
- In person training and assistance

- Determine Inventory and Mapping Method That is Most Suitable
 - Mobile/AGO
 - Handheld GPS
 - Excel
 - Geodatabase Transfer

- Verify Existing Equipment and Licensing is in Place
 - Data Capable Phone or Tablet
 - Bluetooth GPS Receiver
 - AGO License
 - Contact NJDEP About Available Licenses and to Join AGO Group

- Create Strategy to Accomplish Inventory and Mapping Goals
 - Manpower/Staffing
 - Full Time Staff and/or Volunteers
 - Timeframe
 - All At Once or As You Go
 - Combine with Other Permit Requirements

- Check for Existing Data
 - Municipality
 - County
 - NJDEP
 - H&H Database





Home Contributors About Downloads Documents / Forms Contacts Log In

"Atlantic ciyt high shcool" Project ID# (114835)



Blue: Project Site | Red: Basin Centroid | Green: Outlet Discharge Point | Yellow: BMP

Application Project Data

Project Name	Atlantic ciyt high shcool
Chapter 251 #	121-92
Start Date	1992-11-20
Street Address	rte 40 and 322
Zipcode	08401
Block	200
Lot	31.01,52.03,56
Land Use Code (Proposed)	[1200] Commercial and Services

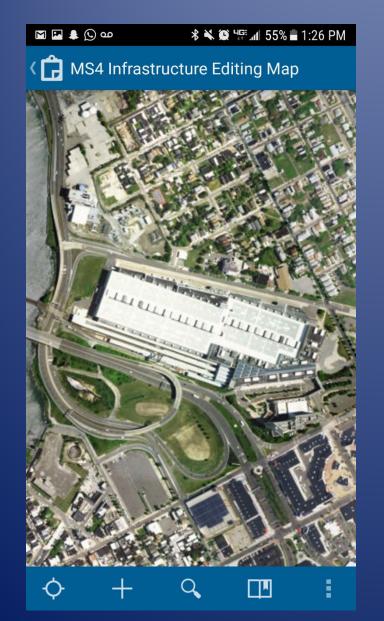
• Field Data Collection



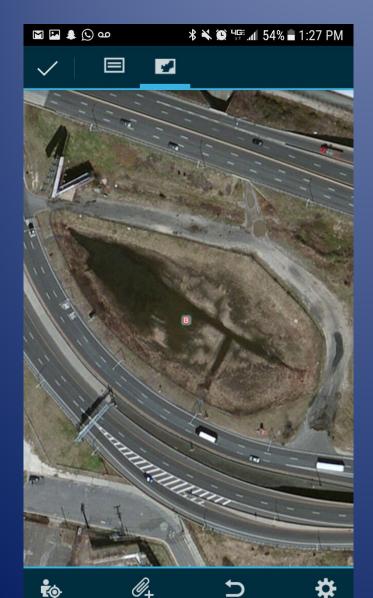


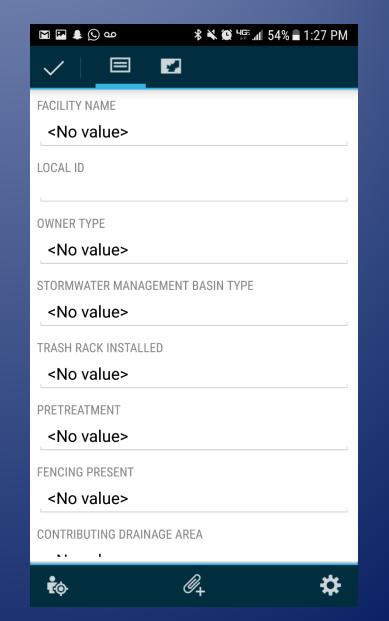
യ 🕗 🌲 🔛 വ		ا:20 PM 🗳 💭 📲 🕯
ORGANIZATION		
Atlantic Cou	nty	
FACILITY NAME		
Atlantic City		
LOCAL ID		
L		
OWNER TYPE		
School Distr	ict	
STORMWATER MAN	AGEMENT	BASIN TYPE
<no value=""></no>		,
TRASH RACK INSTA	LLED	
<no value=""></no>		
PRETREATMENT		
<no value=""></no>		
FENCING PRESENT		
KI I		
ř o	(Ø ₊ 🏾 🗘

⊠ ⊑ ♣ ⓑ ∞ * ¥ ¥ @ 456% ∎ 1:20 PM
<no value=""></no>
^L Bioretention Basin
0 Constructed Wetland
- Detention Basin
Infiltration Basin
Wet Pond (Retention Basin)
I is and >
1 2 3 4 5 6 7 8 9 0
$\mathbf{q}^{+} \mathbf{w} \mathbf{e}^{+} \mathbf{r}^{-} \mathbf{t}^{\prime} \mathbf{y}^{-} \mathbf{u}^{\prime} \mathbf{i}^{+} \mathbf{o}^{-} \mathbf{p}^{-}$
a s d f g h j k l
!#☺ ♥ , English (US) . Next



M 🖪 🌲	ن مەن 🖇 🔌 🎦 1:27 PM
< 🔓 c	ollect a new feature
Q. F	ilter
0	Outfall
B	Highway Agency Stormwater Management Basin
B	Public Complex Stormwater Management Basin
B	Atlantic County Stormwater Management Basin
в	Bergen County Stormwater Management Basin
B	Burlington County Stormwater Management Basin
B	Camden County Stormwater Management Basin
B	Cape May County Stormwater Management Basin
B	Cumberland County Stormwater Management Basin





Additional NJDEP Outreach

- Overview of Renewal Permit
 - Regional Sessions
- Mapping and Inventory Training
 - Overview Sessions
 - Field Training
- Stormwater Management Design Review Course
 - February/March
- Board and Council Member Training
 - Online