MS4 Stormwater

Mapping

Requirements and Tools Overview

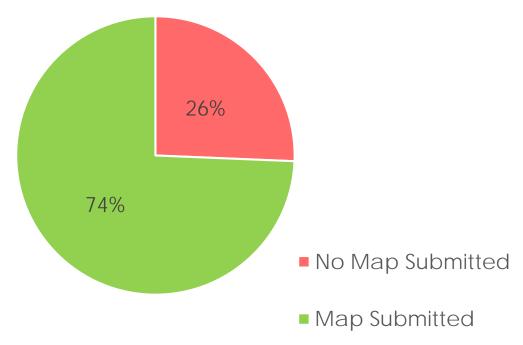
Tier A Municipalities:

- Part IV.B.6.a of the Tier A MS4 permit requires municipalities to develop, update and maintain an outfall pipe map
 - Submitted to the Department by <u>January 1, 2019</u>
 - Submitted to the Department in an electronic format* by December 21, 2020

^{*}This has not yet been defined by the Department

Tier A Municipalities:





Tier B Municipalities:

 No outfall pipe mapping is currently required, however, Tier B municipalities are encouraged to maintain an outfall pipe map

Public Complexes:

- Part IV.B.6.a of the Public Complex permit requires public complexes to develop, update and maintain an outfall pipe map
 - Submitted to the Department by January 1, 2020
 - Submitted to the Department in an electronic format* by December 21, 2020

^{*}This has not yet been defined by the Department

Public Complexes:

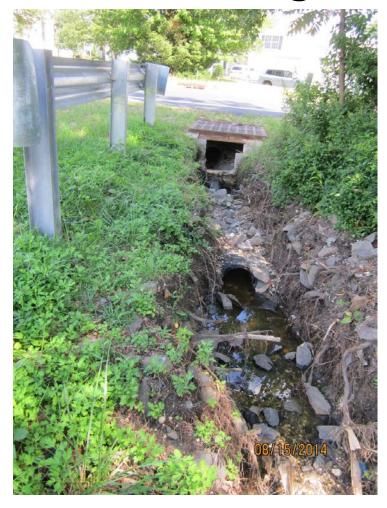
- Part IV.C.1.a of the Public Complex permit requires public complexes to develop, update and maintain an inventory of all stormwater facilities;
 - Submitted to the Department by January 1, 2020
 - Be populated and maintained in *electronic format provided by the Department

^{*}This has not yet been defined by the Department

Highway Agencies:

- Currently in pre-draft phase
- Proposed permit has same requirements as the public complex permit
- Dates for submittals are not yet finalized

Stream Scouring:





Illicit Discharge Detection and Elimination:



Stormwater Facilities Maintenance:



Stormwater Facilities Maintenance:



 NJDEP created a database and data dictionary for the 7 stormwater infrastructure features required to be mapped/inventoried by MS4 permittees



Outfall Pipes



Stormwater Management Basins



Subsurface Infiltration/ Detention



Manufactured
Treatment Devices



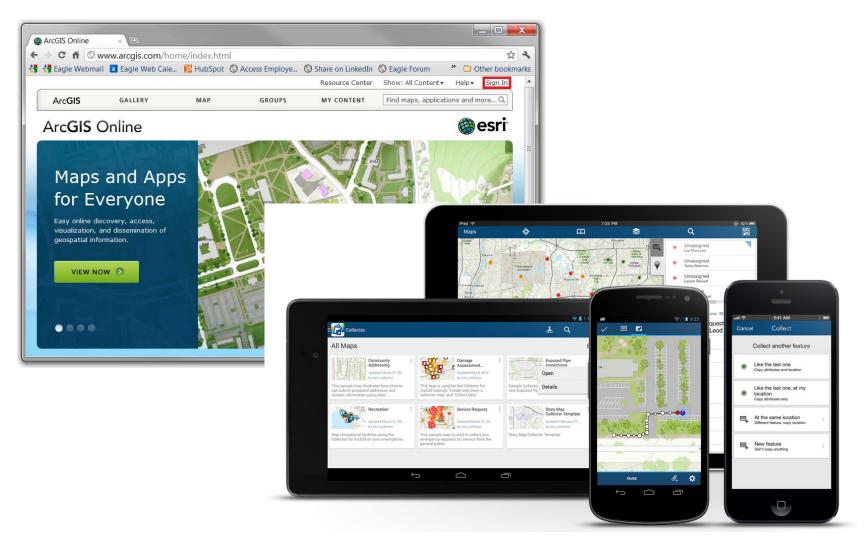
Green Infrastructure



Storm Drain Inlets

- NJDEP created a database and data dictionary for the 7 stormwater infrastructure features required to be mapped/inventoried by MS4 permittees
- The data dictionary had to be made available over a number of different collection methodologies to suit the needs of all permittees

NJDEP Mapping & Inventory Assistance: ArcGIS Online Tool

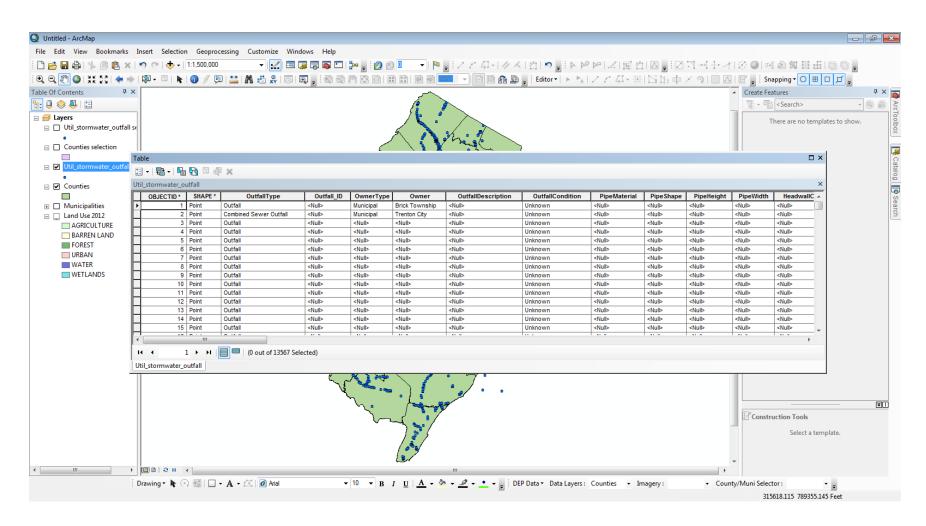


NJDEP Mapping & Inventory Assistance: Handheld GPS Units

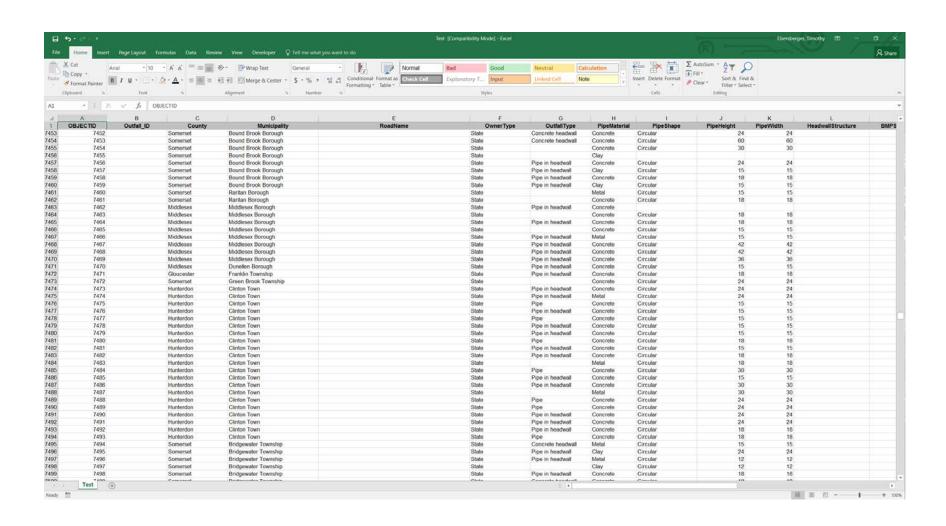




NJDEP Mapping & Inventory Assistance: ESRI Geodatabase

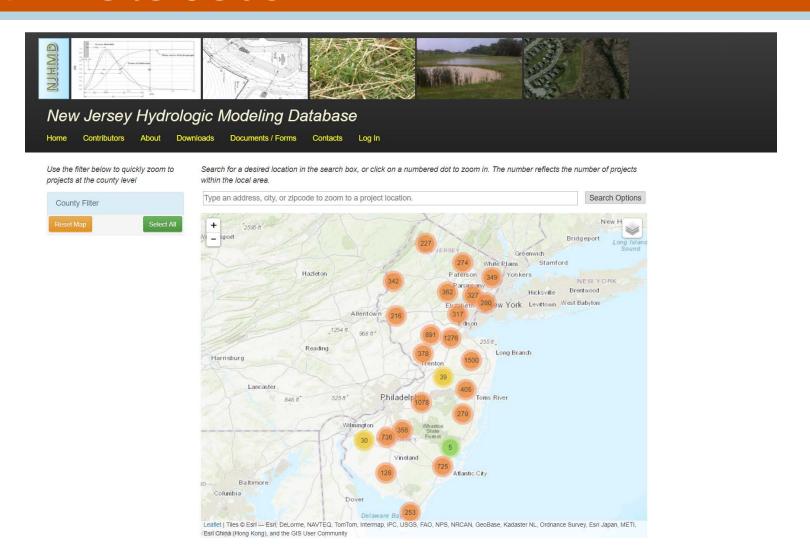


NJDEP Mapping & Inventory Assistance: Excel Spreadsheet



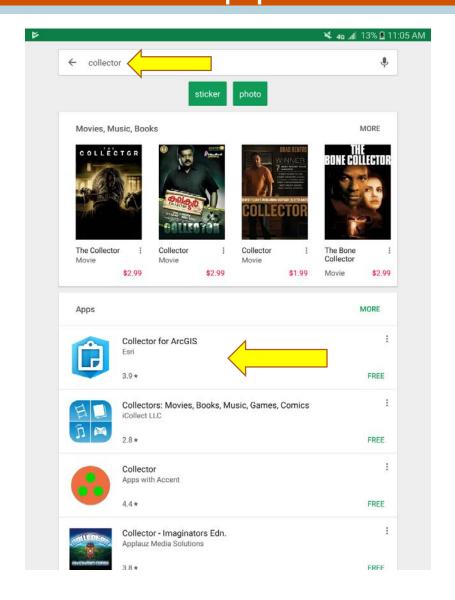
- NJDEP created a database and data dictionary for the 7 stormwater infrastructure features required to be mapped/inventoried by MS4 permittees
- The data dictionary had to be made available over a number of different collection methodologies to suit the needs of all permittees
- Existing data can be made available upon request

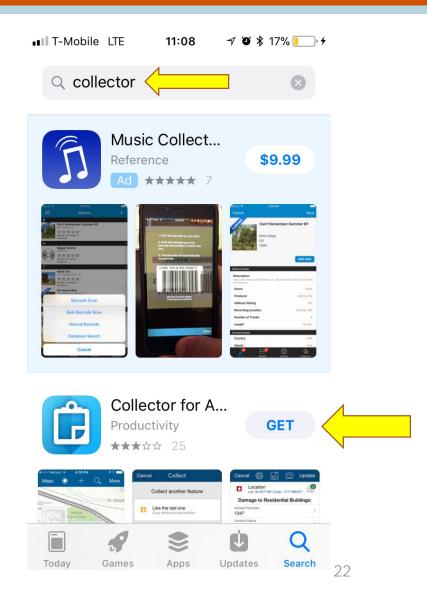
NJDEP Mapping & Inventory Assistance: H&H Database



- NJDEP created a database and data dictionary for the 7 stormwater infrastructure features required to be mapped/inventoried by MS4 permittees
- The data dictionary had to be made available over a number of different collection methodologies to suit the needs of all permittees
- Existing data can be made available upon request
- Training and assistance is available

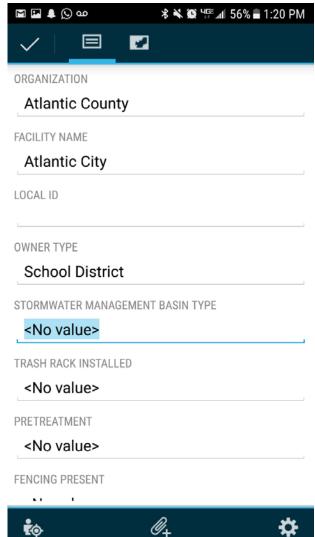
NJDEP Mapping & Inventory Assistance: Collector App

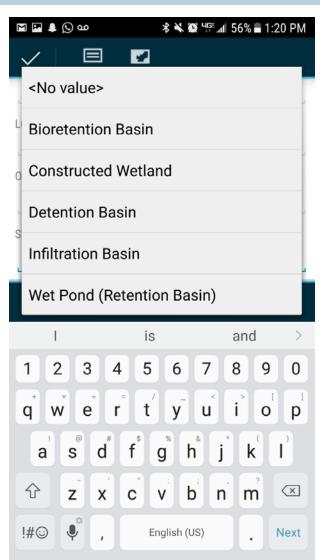




NJDEP Mapping & Inventory Assistance: Dropdown Menus







More Information

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