

✓ MS4 Infrastructure Mapping
Requirements

✓ ArcGIS Online Mapping Tool

Agenda

✓ Watershed Inventory Report
Requirements

✓ Resources

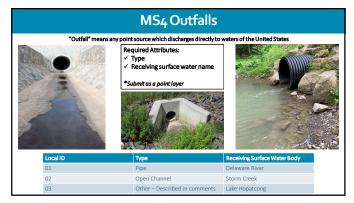
✓ Q & A

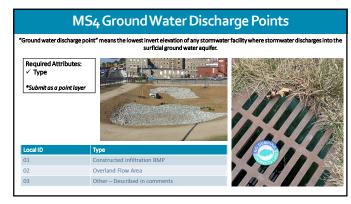
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MS4 Infrastructure Mapping Requirements

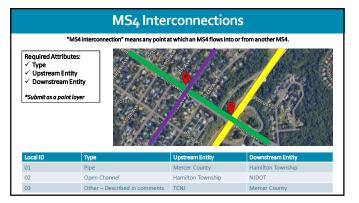
Overview of Required Attributes							
MS4 Outfalls	MS4 Ground Water Discharge Points	MS4 Interconnections	Storm Drain Inlets	MS4 Manholes			
✓ Type ✓ Receiving surface water name	✓ Type	✓ Type ✓ Into/from entity	✓ Type ✓ Catch basin present ✓ Label present ✓ Retrofitted	✓ None			
MS4 Conveyance ✓ Type ✓ Direction of flow	MS4 Pump Stations ✓ None	Stormwater Facilities ✓ Type	Property Boundaries of Maintenance Yards and Ancillary Operations ✓ Type	Property Boundaries of Public Complex ✓ None			

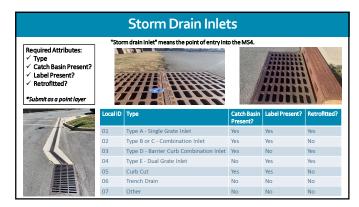
Shapefiles Geodatabases AutoCAD Files

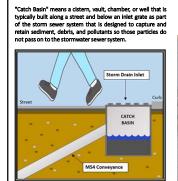












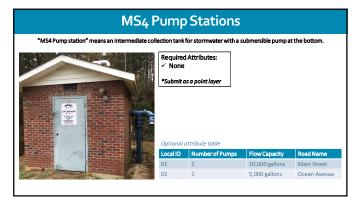








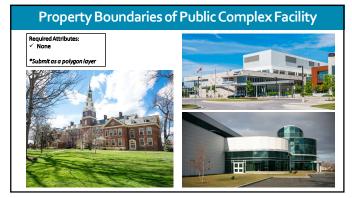


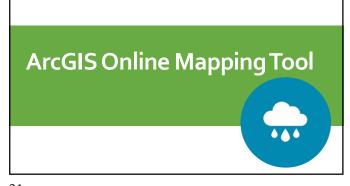




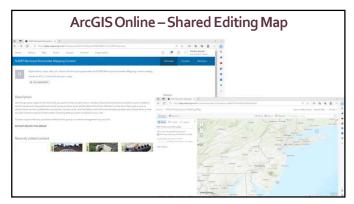








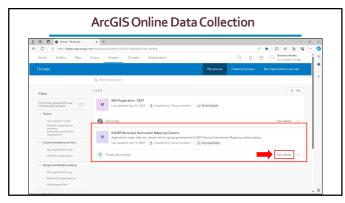




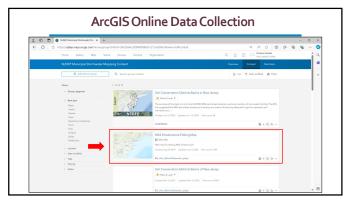




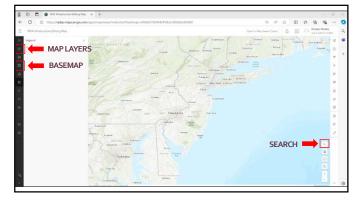


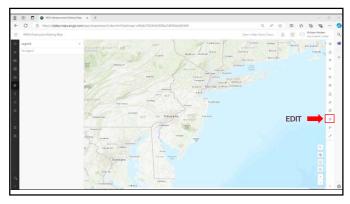


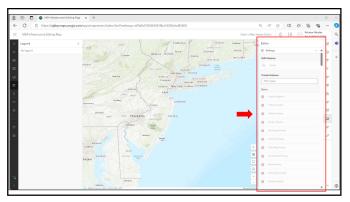




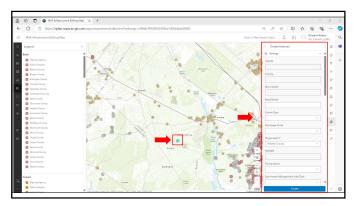


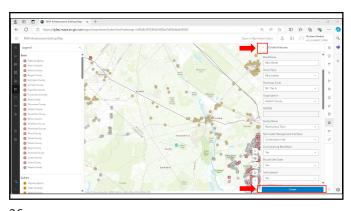


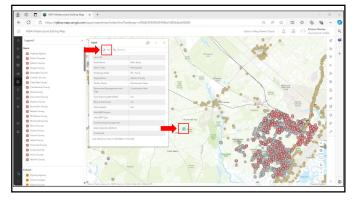


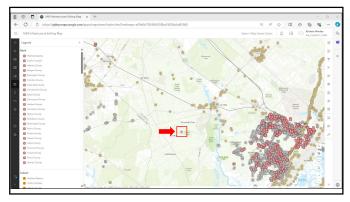






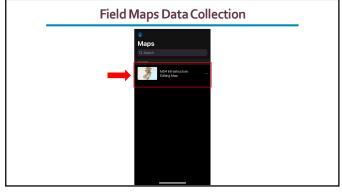
















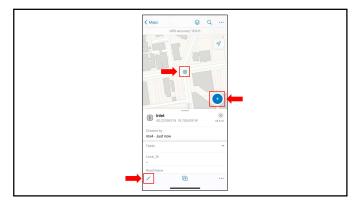


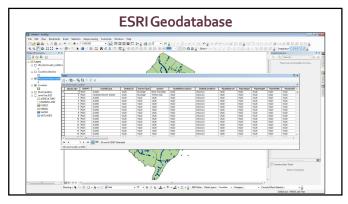


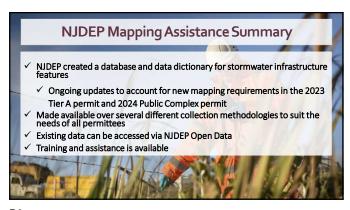








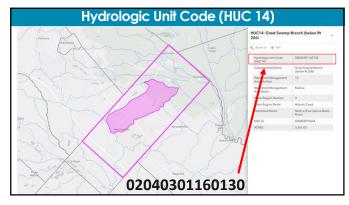




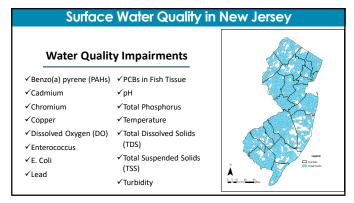








Total Maximum Daily Load (TMDLs) Fecal Coliform Nickel Polychlorinated Biphenyls (PCBs) Temperature Total Coliform Total Coliform Foliated Solids (TSS) Volatile Organic Compounds (VOCs)

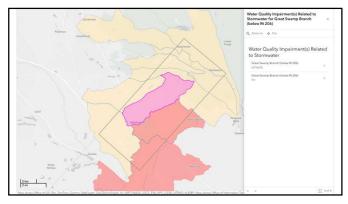


Total Maximum Daily Load (TMDLs)

Water Quality Impairments

TMDLs and Impairments

58

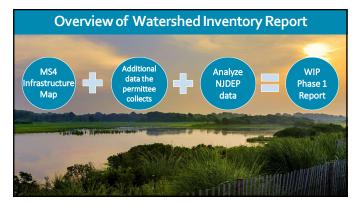


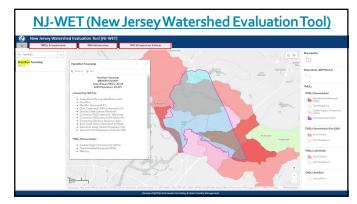
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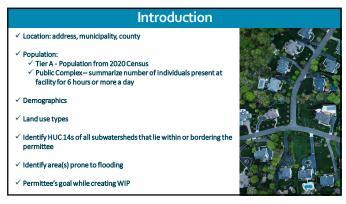
Pollutant Parameters Related to Stormwater Fecal Coliform, Total Coliform, Enterococcus, & E. coli – wildlife/pet waste, sewer leaks Total Phosphorus, Dissolved Oxygen (DO), Nitrate, & pH – fertilizers, leaf litter and other vegetative waste Temperature, Total Dissolved Solids (TDS), Total Suspended Solids (TSS), & Turbidity – runoff from impervious surfaces, roadside erosion, road salt, leaf litter and other vegetative waste Volatile Organic Compounds (VOCs) – gasoline, paint, solvents Lead & Copper – old deteriorating pipes

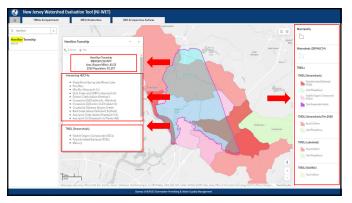




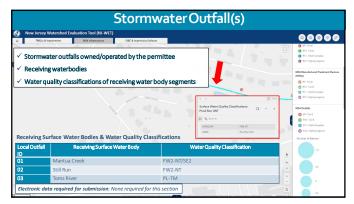


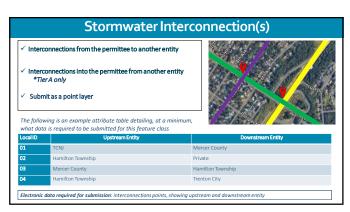


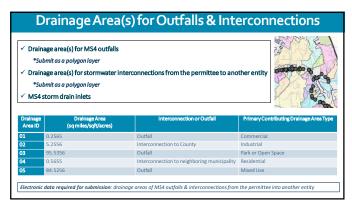


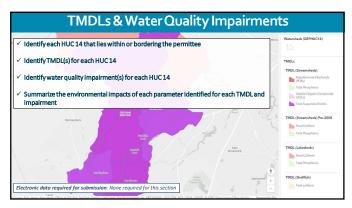




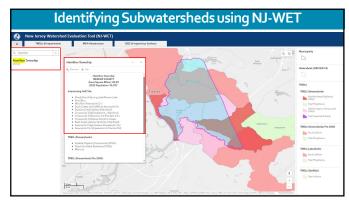


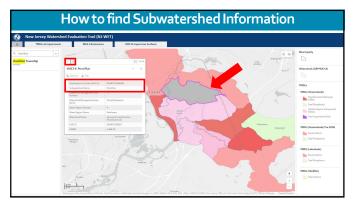




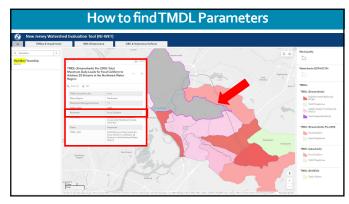


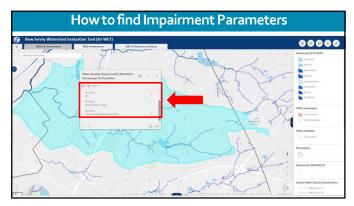
HUC14	Subwatershed Name	TMDL(s)	Impairment(s)
0000000000014	Storm Creek (KHK Tributary – NJ River)	Streamsheds PCBs Total Phosphorus Total Suspended Solids (TSS) VOCs	Benzo(a) pyrene (PAHs) Cadmium Chromium Copper
0000000000015	Rain River	Streamsheds Pre-2008 Fecal Coliform Nickel (Streamsheds Pre-2008) Temperature Total Phosphorus	Dissolved Oxygen (DO) Enterococcus E. Coli Lead Nitrate
0000000000016	N Trib to Rain River	<u>Lakesheds</u> Fecal Coliform Total Phosphorus	PCBs in Fish Tissue pH Total Phosphorus
0000000000017	West Creek	<u>Shellfish</u> Total Coliform	Temperature Total Dissolved Solids (TDS) Total Suspended Solids (TSS) Turbidity





HUC 14	Subwatershed Name	TMDL(s)	Impairment(s)
02040105240040	Pond Run		





HUC 14 02040105240040	Subwatershed Name Pond Run	TMDL(s) Fecal Coliform	Impairment(s) pH Total Phosphorus TSS

