Mapping Resources for the MS4 General Permit

date last updated: September 22, 2026

Name	Publisher	Required?	Description	Source	Link	Notes
Water Quality Classifications	NYSDEC Publisher	Yes	This data set provides the water quality classifications of New York State's lakes, rivers, streams and ponds, collectively referred to as water bodies. All water bodies in the state are provided a water quality classification based on existing, or expected best usage, of each water body or water body segment.	NYS Clearinghouse	https://data.gis.ny.gov/maps/258fe1be90ff48f385a546cdfd998e24/about	
FEMA National Flood Hazard Layer	ShareGIS NY	No	The National Flood Hazard Layer (NFHL) is a geospatial database that contains current effective flood hazard data. FEMA provides the flood hazard data to support the National Flood Insurance Program.	NYS Clearinghouse	https://data.gis.ny.gov/apps/sharegisny::fema-national-flood-hazard-layer-viewer/about?path=	Contains flood hazard zones, BFE, and more. Have to zoom in for layers to populate.
Municipal Storm Sewer System MS4	NYSDEC Publisher	Yes	This dataset is developed by the Department of Environmental Conservation (DEC), Division of Water to delineate the boundaries of the areas subject to SPDES General Permit for Phase II Stormwater Regulations. This dataset is subject to change as the MS4s obtain a permit and identify the boundaries of their jurisdictions.	NYS Clearinghouse	https://data.gis.ny.gov/datasets/nysdec::municipal-storm-sewer-system-ms4/about	
Municipal Storm Sewer System MS4 Extended	NYSDEC Publisher	Yes	This dataset is developed by the Department of Environmental Conservation (DEC), Division of Water to delineate the boundaries of the areas subject to SPDES General Permit for Phase II Stormwater Regulations. This dataset is subject to change as the MS4s obtain a permit and identify the boundaries of their jurisdictions.	NYS Clearinghouse	https://data.gis.ny.gov/datasets/23c13229b3ac47ffa176d1854471fb25_1/about	
Waterbody Inventory/Priority Waterbodies List (WI/PWL) Layer	NYSDEC Publisher	Yes	The Waterbody Inventory/Priority Waterbodies List (WI/PWL) GIS layer provides a geospatial representation of the state's waterbody segments for the assessment of surface water quality in accordance with Section 305(b) of the Clean Water Act.	NYS Clearinghouse	https://data.gis.ny.gov/maps/fe6e369f89444618920a5b49f603e34a/about	
Multi Sector General Permits MSGP	NYSDEC Publisher	Yes	This layer contains data for MSGP facilities.	NYS Clearinghouse	https://data.gis.ny.gov/datasets/nysdec::multi-sector-general-permits-msgp/about	
AA and AAs Classified Watersheds	NYSDEC Publisher	Yes	This dataset is provided as an approximation of the drainage areas of water bodies classified as AA and AAs in Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York (6NYCRR) Part 800 et seq. and their tributaries.	NYS Clearinghouse	https://data.gis.ny.gov/datasets/nysdec::aa-and-aas-classified-watersheds/about	
NYS Tax Parcels Public	ShareGIS NY	Yes	This feature service has two layers: 1) NYS Tax Parcels Public, and 2) NYS Tax Parcels Public Footprint which contains polygons representing counties for which tax parcel polygons are available in the NYS Tax Parcels Public layer.	NYS Clearinghouse	https://data.gis.ny.gov/maps/8af5cef967f8474a9f262684b8908737/about	The NYS Tax Parcels Public layer contains 2025 parcel data only for NY State counties which gave NYS ITS Geospatial Services permission to share this data with the public. Work to obtain parcel data from additional counties, as well as permission to share the data, is ongoing. To date, 38 counties have provided Geospatial Services permission to share their parcel data with the public.
NYS DEC Lands	NYSDEC Publisher	Yes (see notes)	To provide a digital representation of state (DEC) lands belonging to New York State. This data layer consists of shaded polygons representing individual tracts of land that fall under management of the DEC. (State Parks, which fall under the management of the state Office of Parks, Recreation and Historic Preservation, are not included in this layer).	NYS Clearinghouse	https://data.gis.ny.gov/datasets/nysdec::nys-dec-lands/about	This layer would be helpful in showing land use in an MS4 map.
NYS DEM Indexes	ShareGIS NY	No	Digital Elevation Model (DEM) tile index containing downloadable IMG/TIF tiles.	NYS Clearinghouse	https://data.gis.ny.gov/maps/sharegisny::nys-dem-indexes/about	
NYS Orthoimagery Latest	ShareGIS NY	Yes	Most recent statewide orthoimagery coverage.	NYS Clearinghouse	https://data.gis.ny.gov/maps/sharegisny::nys-orthoimagery-latest/about	
Watershed Boundary HUC 12	NYS DOS	Yes	This dataset defines watershed boundaries within or partially within New York state with a hydrologic unit code of 12 (HUC 12).	NYS Department of State	https://opdgig.dos.ny.gov/datasets/NYSDOS::watershed-boundary-huc-12/about	
Unconsolidated Aquifers 250K Upstate NY	NYSDEC Publisher	No	The aquifers represented in this theme resulted from an effort to facilitate the identification of the location and extent of significant unconsolidated aquifers; those that consist of sand and gravel and yield large supplies of water to wells.	NYS Clearinghouse	https://data.gis.ny.gov/maps/eaa83cbb75c045db8290109b3a94c847/about	
NYS Streets	ShareGIS NY	Yes	A vector line file of public/private streets compiled from orthoimagery and other sources that is attributed with street names, addresses, route numbers, routing attributes, and includes a related table of alternate/alias street names.	NYS Clearinghouse	https://data.gis.ny.gov/maps/7d5dff6bcf664e6f83abee9968fc7916	
Topography	USGS	Yes	US Topos, historical topo maps, and more are available through The National Map Downloader.	USGS	https://www.usgs.gov/programs/national-geospatial-program/topographic-maps	
Informational Freshwater Wetland Mapping	NYSDEC Publisher	No	The Informational Freshwater Wetland Mapping layer is only intended to be used for informational purposes in identifying the general location and extent of freshwater wetland areas of any size throughout the state.	NYS Clearinghouse	https://data.gis.ny.gov/datasets/nysdec::informational-freshwater-wetland-mapping/about	
Clean Water Plans	NYSDEC Publisher	No	Clean water plans are a watershed-based approach to outline a strategy to improve or protect water quality in a waterbody. These plans document pollution sources, set pollutant reduction goals, and identify strategies that communities may use to improve water quality. Types of Clean Water Plans include Total Maximum Daily Load (TMDL), Alternative Restoration Plan (ARP) and Nine Element Plan (9E). EPA has set specific criteria that must be met for these three types of watershed-based plans.	NYS Clearinghouse	https://data.gis.ny.gov/datasets/nysdec::clean-water-plans/about	

NYS Major Water Basins	NYSDEC Publisher	No	The seventeen major drainage basins, or watersheds, which are the basis for management, monitoring, and assessment activities by the New York State Department of Environmental Conservation. The major basins are further divided into 68 (sub)basins.	NYS Clearinghouse	https://data.gis.ny.gov/datasets/nysdec::nys-major-water-basins/about	