Creating and Updating your Environmental Resource Inventory: Using NJ GeoWeb

David Tulloch, PhD

Grant F. Walton Center for Remote Sensing and Spatial Analysis

School of Environmental and Biological Sciences
Rutgers University at New Brunswick

NJ GeoWeb

- Free
- Web browser (best in MS Explorer/Edge)
- Official data (authoritative?)
- Alternative to GIS for small tasks
- Limited control of graphics
- Google NJ Geoweb or type in
 - https://www.nj.gov/dep/gis/geowebsplash.htm

Does it provide much information?

GeoWeb Profile:

Base Lavers Major Roads Mid Atlantic States Boundary Municipalities Place Names Parcels Data (Block and Lot) Roads NJ (Centerlines)

Environmental Monitoring

Air Monitoring Stations
AMNET Biological Monitoring Sites Brownfield Development Area (Outline) Brownfield Development Area (Block and Lots) EPA STORET Water Quality Monitoring Fish Index Of Biotic Integrity NJ WQDE Water Quality Monitoring Locations USGS NWIS Water Monitoring Stations Volunteer Water Monitoring Stations

TMDL (Streamsheds) Pre-2008 TMDL (Shellfish) TMDL (Streamsheds) TMDL (Lakesheds)

Sites and Facilities

Auto Body Shops Child Care Centers Chromate Sites Deed Notice Areas Dry Cleaners Gas Stations Groundwater Contamination Areas (CKE) Groundwater Contamination Areas (CEA) Historic Fill Known Contaminated Sites List Laboratories OQA Certified NJEMS Sites NJPDES Combined Sewer Overflow (CSO) NJPDES Discharge Points-Surface Water NJPDES Regulated Facility Locations

Underground Storage Tanks Facilities

Planning Areas CAFRA Highlands Pinelands Boundary Pinelands Management Areas Wetland Mitigation Bank Vetland Mitigation Bank Service Areas

Impervious Surface % (2007) Impervious Surface % (2012) Land Use 2002 Land Use 2007 Land Use 2012 Land Use Change 2002-2007 Land Use Change 2007-2012 NJ State Park Service Trails Upper Wetlands Boundary Wetlands (2007)

Government Data Areas in Need of Redevelopment Congressional Districts Critical Environmental and Historic Sites Delaware and Raritan Canal Commission Review Zones Legislative Districts State Plan Designated Centers State Planning Areas Urban Enterprise Zones

Utilities

Sewer Service Areas

Landscape/Natural Heritage

Landscape Project - Freshwater Mussel Habitat BH - Atlantic Coastal - Landscape Project SBH - Delaware Bay - Landscape Project SBH - Marine - Landscape Project SBH - Landscape Project - Piedmont Plains SBH - Landscape Project - Pinelands SBH - Landscape Project - Skylands Landscape Project - Vernal Habitat Landscape Project - Vernal Pools Landscape Regions Natural Heritage Grid Map Natural Heritage Priority Sites

Historic Areas

Historic Archaeological Site Grid Historic Districts Historic Properties

Category One Waters Drought Regions Purvevor Sub-Watersheds (HUC14) Surface Water Quality Standards Water Bodies Water Source Areas Watersheds (HUC11) Well Head Protection Areas (Community) Well Head Protection Areas (Non-Community) Grids

Quad Grid Quarter Quad Grid Well Program Grid

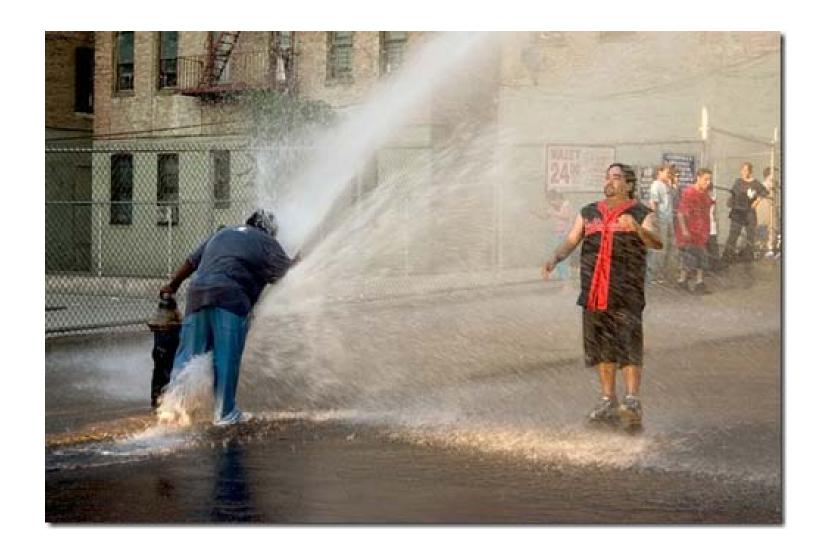
Transportation

Canals and Water Raceways Railroad Stations (Passenger) Railroads Passenger

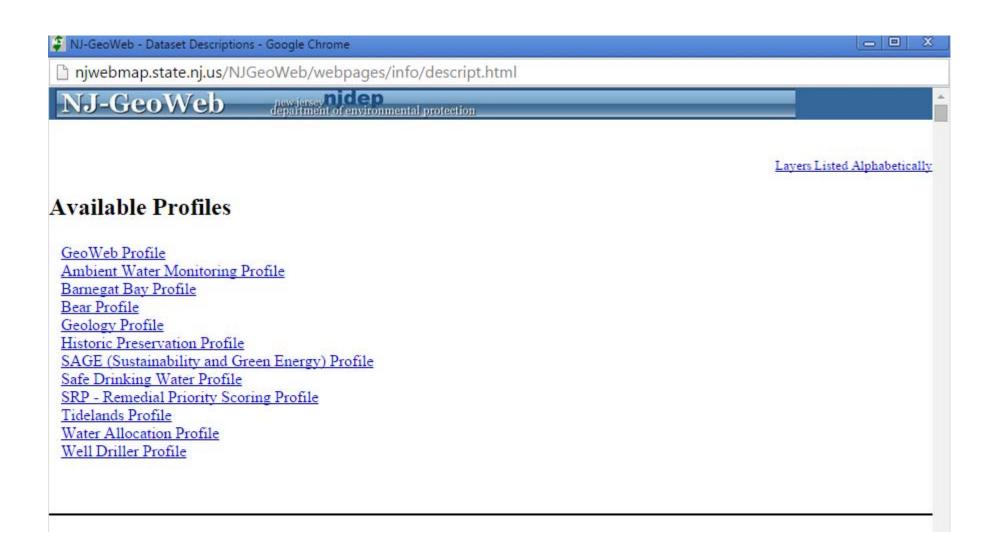
Geology Abandoned Mines Bedrock Aquifers Bedrock Geology Bedrock Outcrop Bedrock - Surface Topography Dikes Earthquake Epicenters Groundwater Recharge Areas Landslides Physiographic Provinces Quarries Sole-Source Aquifers Surficial Aquifers Surficial Geology

Imagery

1930 Imagery 1970 Imagery 1974 Imagery 1977 Imagery 1987 Imagery 1991 Imagery 1995-1997 Imagery 1998 Coastal Imagery 2003 Coastal Imagery 2007 Imagery (Infrared) 2007 Imagery (Natural) 2010 Imagery (DVRPC 2012 Imagery (Infrared) 2012 Imagery (Natural) Topographic Images (BW) Topographic Images (Color)



Profiles help



Basic supporting information

Laboratories OQA Certified: This data shows the physical locations of commercial and non-commercial environmental New Jersey laboratories in the Office of Quality Assurance (OQA) Lab Certification Program. The physical locations were obtained from the NJDEP's NJ Environmental Management System (NJEMS) - Site Master File (SMF). The data consists of map coordinates, lab names and their lab numbers and will assist the Office of Quality Assurance (OQA) in scheduling on-site audits of these facilities. Please note that this data is routinely generated from the NJEMS-SMF database.

back to top

Landfill Parcel Groups over 35 acres (102): This data was generated to help promote solar installations that provide economic and environmental benefits. Landfills are well-suited for the development of large solar generation projects. Large-scale solar development can offset the costs to cap or remediate these sites and should be encouraged. Other innovative, large-scale solar installations are on the horizon and should be considered in addition to, not in lieu of, smaller-scale, grid-connected applications. This layer is created from a selection from the NJ statewide parcels data received from the counties. The feature class polygons were created through an aggregation of parcels identified as affiliated with an individual landfill site. The attribute data retained is from the parcel that most contains, or is contained in, the individual landfill site.

back to top

Landfills over 35 acres (108): This data was generated to help promote solar installations that provide economic and environmental benefits. Landfills are well-suited for the development of large solar generation projects. Large-scale solar development can offset the costs to cap or remediate these sites and should be encouraged. Other innovative, large-scale solar installations are on the horizon and should be considered in addition to, not in lieu of, smaller-scale, grid-connected applications. This data represents solid waste landfill sites in New Jersey that are on parcels or parcel groups approximately 35 acres or greater in size. The points delineated in this data were originally taken from original paper topoquads marked by field personnel, and location data developed by the Site Remediation Program. These delineations were later refined using site plans, tax parcel data and aerial photography by employees of the Solid and Hazardous Waste Program.

back to top

Land Use 2002: This data represents a "generalized" version of the 2002 LULC. The data was extracted from the 2007 LULC. To improve the performance of the web applications displaying the 2002 land use data, it was necessary to create a new simplified layer that included only the minimum number of polygons and attributes needed to represent the 2002 land use conditions. The 2007 LU/LC data set is the fourth in a series of land use mapping efforts that was begun in 1986. Revisions and additions to the initial baseline layer were done in subsequent years from imagery captured in 1995/97, 2002 and 2007. This present 2007 update was created by comparing the 2002 LU/LC layer from NJ DEP's Geographical Information Systems (GIS) database to 2007 color infrared (CIR) imagery and delineating and coding areas of change. Work for this data set was done by Aerial Information Systems, Inc., Redlands, CA, under direction of the New Jersey Department of Environmental Protection (NJDEP), Bureau of Geographic Information System (BGIS). LU/LC changes were captured by adding new line work and attribute data for the 2007 land use directly to the base data layer. All 2002 LU/LC polygons and attribute fields remain in this data set, so change analysis for the period 2002-2007 can be undertaken from this one layer. The classification system used was a modified Anderson et al., classification system. An impervious surface (IS) code was also assigned to each LU/LC polygon based on the percentage of impervious surface within each polygon as of 2007. Minimum mapping unit (MMU) is 1 acre. [Inlineadata]

Detailed supporting information

Biomass Resource Potential for Urban Wood Waste (Envr mon biomass urbanwood)

Downloadable Data

Keywords:

Theme: biomass resource, biomass biomass, Envr mon biomass urbanwood, urbanwood, environment

Place: United States

Description:

Abstract: Urban wood waste includes wood residues from MSW (wood chips and pallets), utility tree trimming and/or private tree companies, and construction and demolition sites. Source: U.S. Census Bureau, 2010 Population data; BioCycle Journal: "State of Garbage in America", January 2008; County Business Patterns 2009.

Purpose: Provide information on the biomass resource potential for the United States of America lower 48 states.

Supplemental Information: Estimate technical biomass resources available in the United States by county. The following feedstock categories are considered for this study: crop residues, methane emissions from manure management, methane emissions from landfills and wastewater treatment facilities, forest residues, primary and secondary mill residues, urban wood waste, and dedicated energy crops.

Publisher Information

Publisher: National Renewable Energy Laboratory, Golden, Anelia Milbrandt

Publication Place: Colorado

Publication Date: Unknown

Direct NJGIN https:

https://njgin.state.nj.us/NJ_NJGINExplorer/ShowMetadata.jsp?docId=C0401C19-1921-460F-A0AB-8DC82D3ED602

Spatial Domain:

South Coordinate:

metadata link:

 West Coordinate:
 -178.227822

 East Coordinate:
 -66.949831

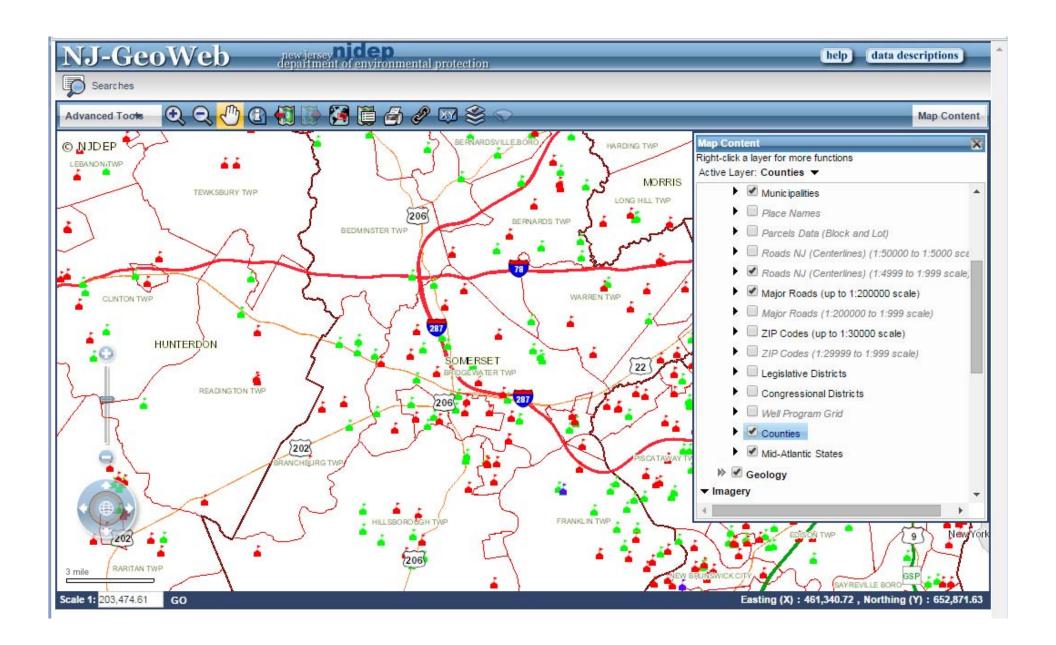
 North Coordinate:
 71.382690

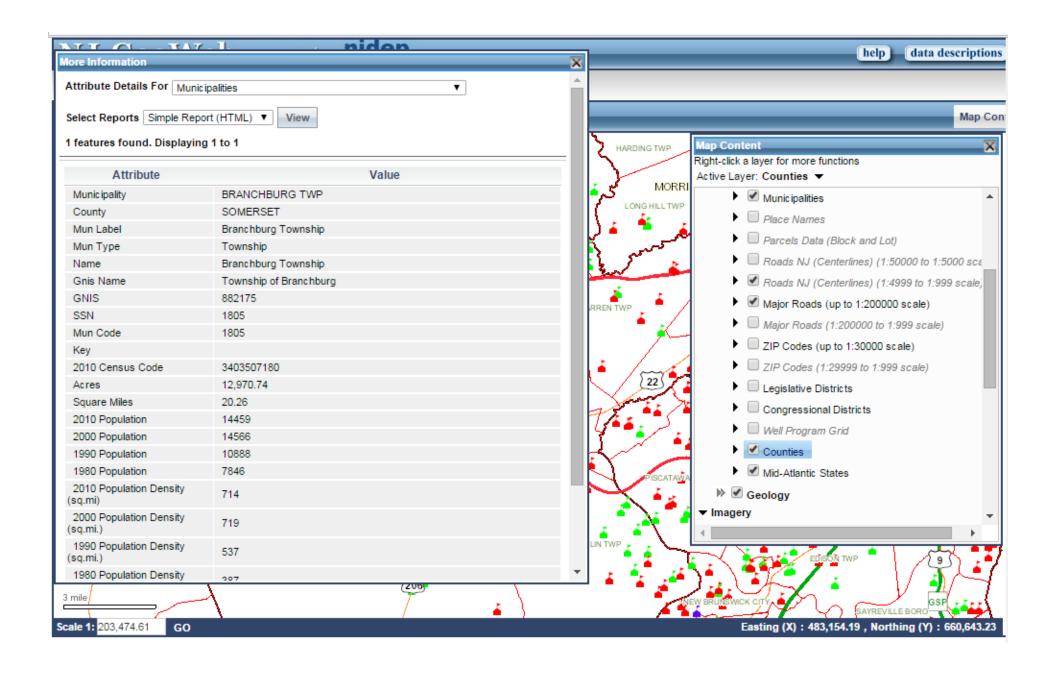
Coverage Area: United States

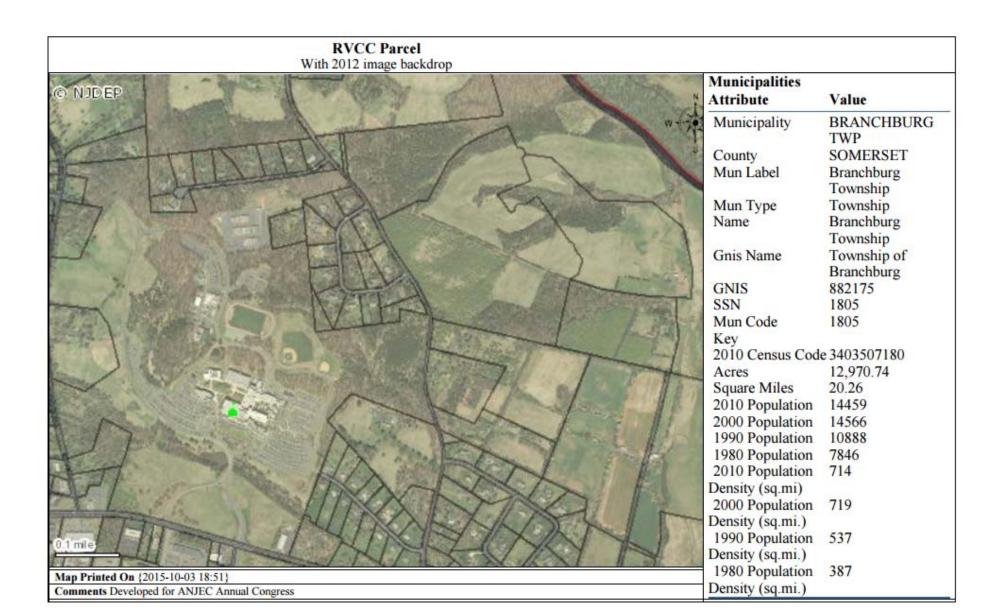
18.910842

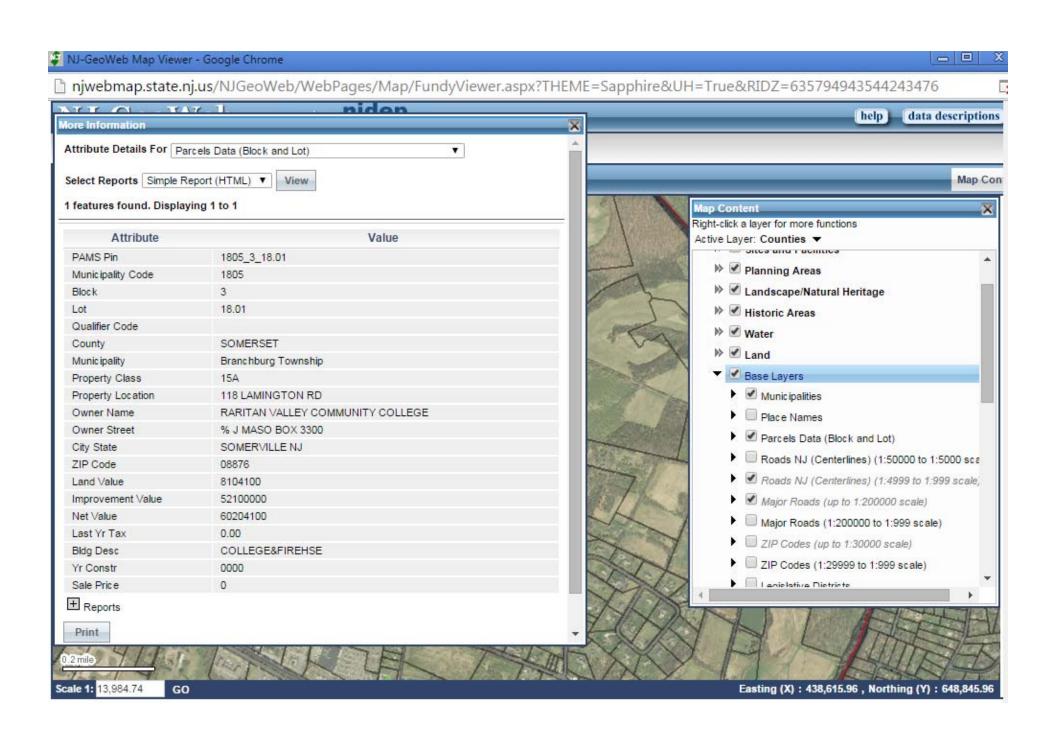
Starting NJ Geoweb

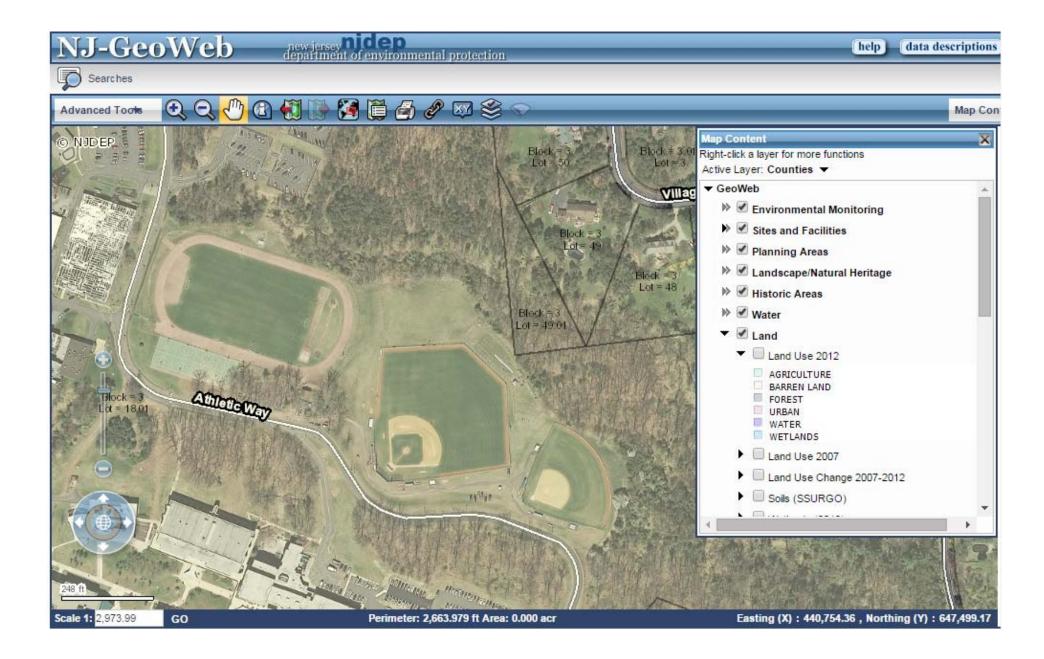
- Either
- Google: NJ Geoweb or
- Type in www.nj.gov/dep/gis/geowebsplash.htm
- Works best in MS Explorer or Edge
- Turn off pop-up blockers

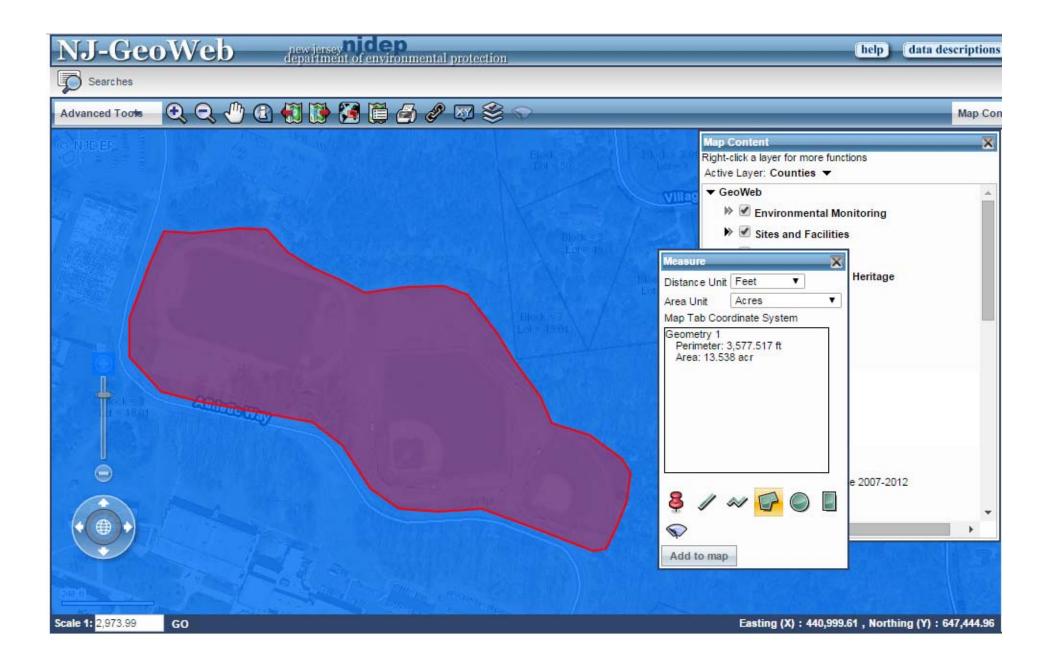


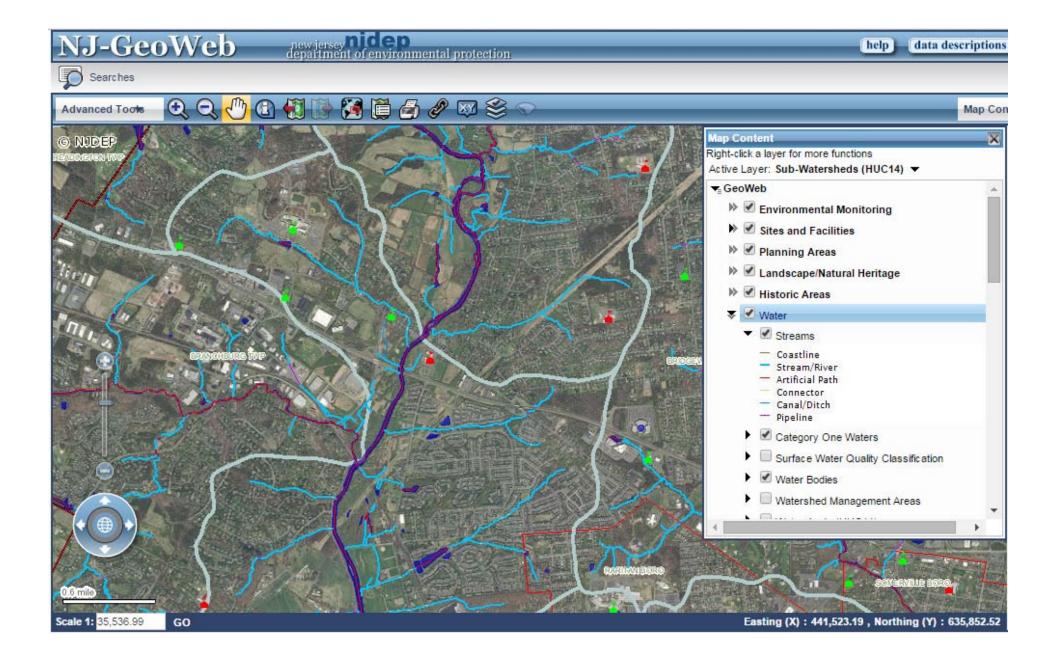


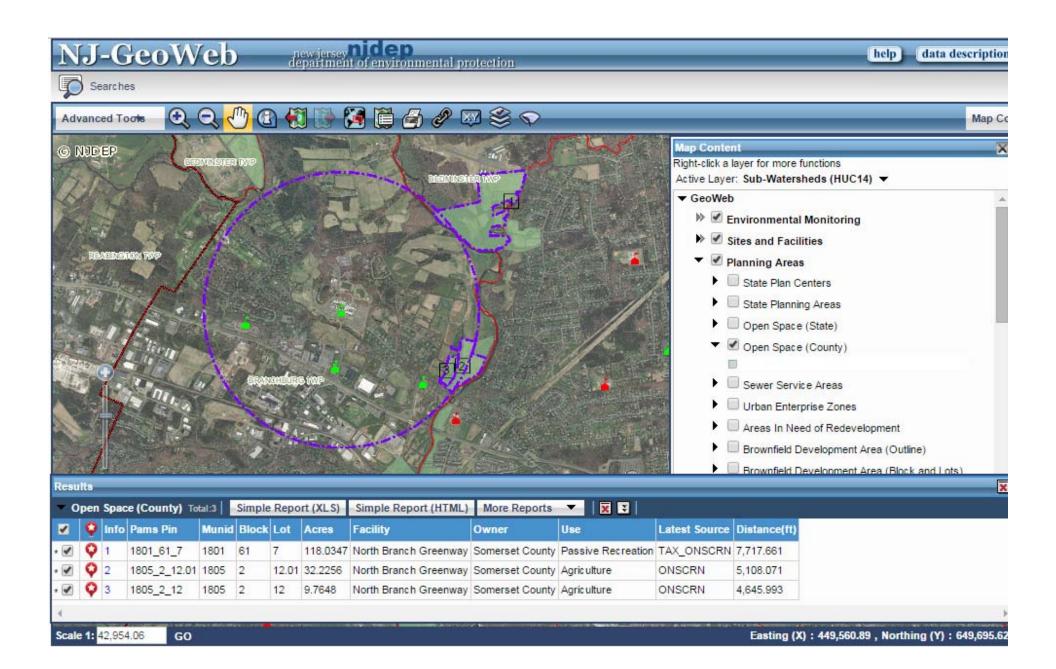












Thank you

- David Tulloch, PhD
- Grant F. Walton Center for Remote Sensing and Spatial Analysis
- School of Environmental and Biological Sciences
- Rutgers University at New Brunswick
- tulloch@CRSSA.Rutgers.edu
- PlacesAndSpaces.Rutgers.Edu