What's New in NJ-GeoWeb

A preview of the enhanced web mapping application

NJDEP – Bureau of Geographic Information Systems
November 2014

NJ-GeoWeb

- NJDEP's flagship environmental interactive mapping application
- Through the use of "profiles" is able to deliver information and tools for users with specific interests.
- Developed by NJDEP using Rolta's OnPoint software
- Replaced i-MapNJ series of applications

Major enhancements …

- More advanced user interface with much more map area
- Customized print output – greater control of layout, output size
- Locate Point Using Coordinates – NJSPC, UTM, DD, and DMS
- Buffer on entered coordinates
- Generate URL Tool – generated URL now includes visible layers

Several new profiles added…

- GeoWeb
- Ambient Water Monitoring
- Barnegat Bay
- Bear
- Geology
- Historic Preservation
- Sustainability & Green Energy
- Safe Drinking Water
- Site Remediation – Remedial Priority Scoring
- Tidelands
- Water Allocation
- Well Drillers

NJ-GeoWeb previous user interface
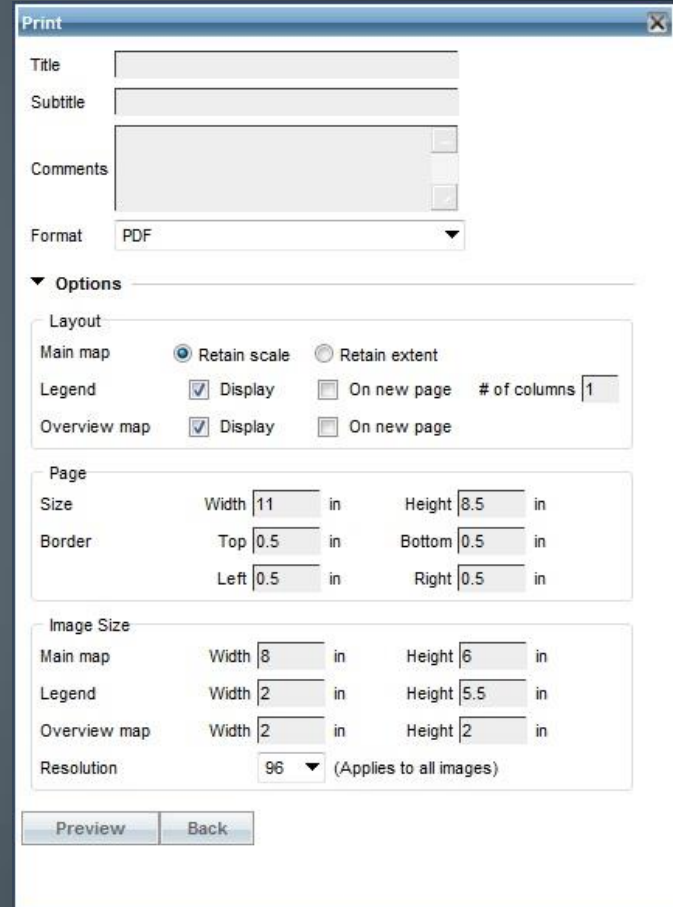
NJ-GeoWeb – new user interface

Customized print output

- Allows user to print better quality maps and have more control over the output

- Users can turn on/off elements (legend, overview map, results), the size of the map view changes automatically

- User has the option to force the printing of elements on to separate pages.

- Printing in PDF format allows larger sized output, user can modify paper and image sizes.

- Users can select from several pre-defined image resolution sizes.

- For lengthy legends, user can create multi-columned legends

Print tool – "Easy Print"
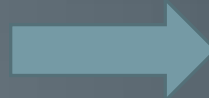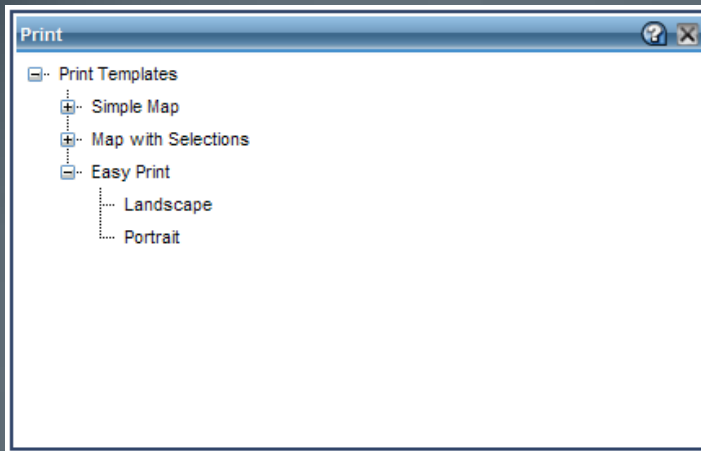
DEP will add standardized templates to accommodate the most commonly needed output sizes. Users can alter options here to suite individual needs.

Easy Print example dialog

Now with control – Map, Overview Map on page 1…
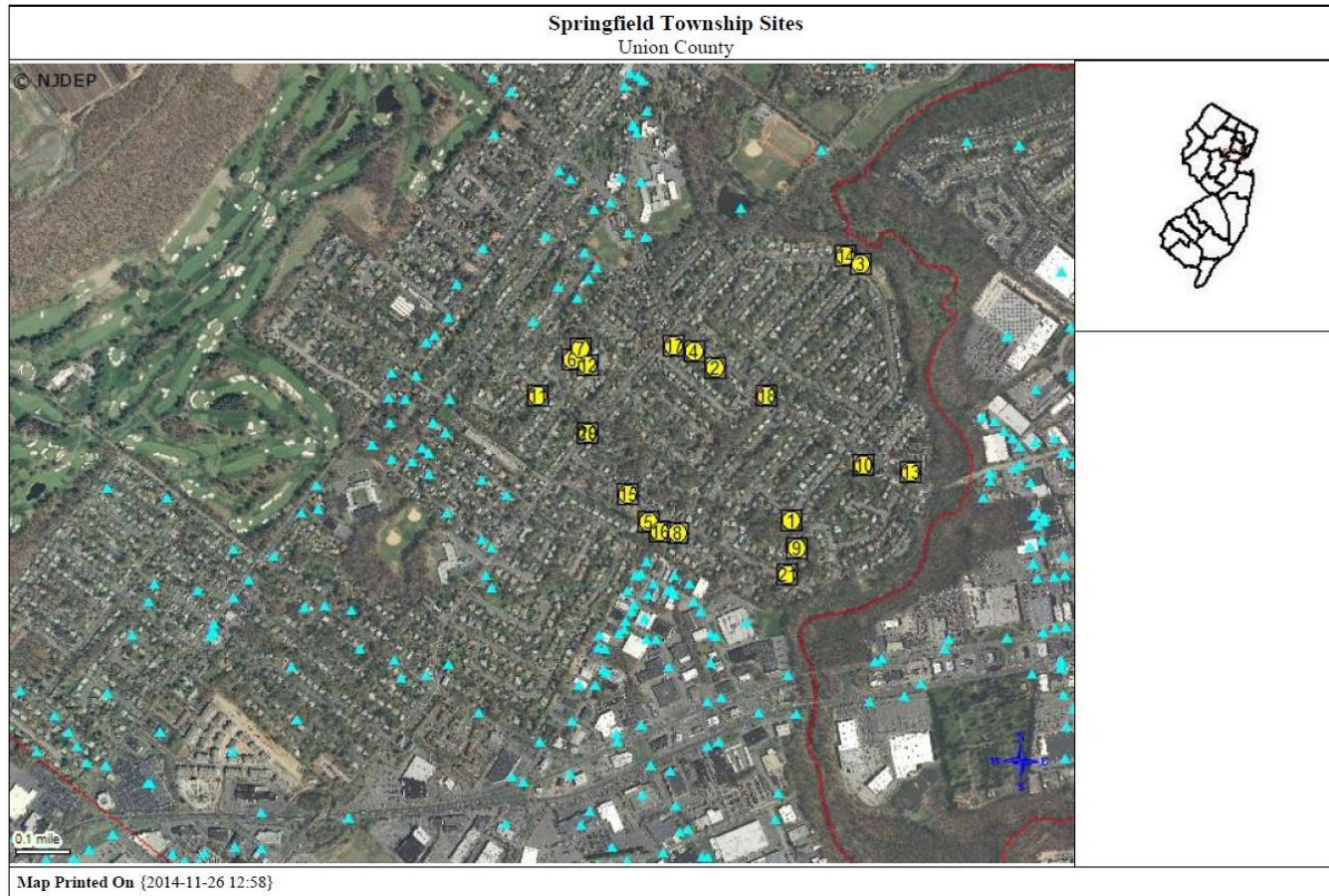
Results and legend forced to page 2

Results

1 365665 - RUBEN SAGUIL CONTRACTING CO, 5 CRAIG RD, SPRINGFIELD TWP, UNION
2 169907 - 244 MILLTOWN ROAD, 244 MILLTOWN RD, SPRINGFIELD TWP, UNION
3 370487 - PHILLIPS PATRICK, 49 LAUREL DR, SPRINGFIELD TWP, UNION
4 432521 - 224 MILLTOWN ROAD, 224 MILLTOWN RD, SPRINGFIELD TWP, UNION
5 387320 - 44 EVERGREEN AVENUE, 44 EVERGREEN AVE, SPRINGFIELD TWP, UNION
6 390749 - CESPEDES LAWN MAINTENANCE CORP, 237 S SPRINGFIELD AVE, SPRINGFIELD TWP, UNION
7 392609 - 231 SOUTH SPRINGFIELD AVENUE, 231 S SPRINGFEILD AVE, SPRINGFIELD TWP, UNION
8 157000 - S COOPER & BROTHERS TRUCKING INC, 15 BERNADETTE CT, SPRINGFIELD TWP, UNION
9 93158 - SEBASTIAN BIANCO LANDSCAPING, 17 ARCHBRIDGE LN, SPRINGFIELD TWP, UNION
10 340435 - 376 MILLTOWN ROAD, 376 MILLTOWN RD, SPRINGFIELD TWP, UNION
11 452962 - 275 NORTHVIEW TERRACE, 275 NORTHVIEW TER, SPRINGFIELD TWP, UNION
12 354703 - RONDDONTE, 27 GLENVIEW DR, SPRINGFIELD TWP, UNION
13 398807 - 407 MILLTOWN ROAD, 407 MILLTOWN RD, SPRINGFIELD TWP, UNION
14 382410 - BRONSTEIN YAN, 41 LAUREL DR, SPRINGFIELD TWP, UNION
15 25772 - ROBERT FISHER LANDSCAPING INC, 29 EVERGREEN AVE, SPRINGFIELD TWP, UNION
16 431456 - SOBIN DONALD , 48 EVERGREEN AVE , SPRINGFIELD TWP, UNION
17 460350 - 447 MEISEL AVENUE, 447 MEISEL AVE, SPRINGFIELD TWP, UNION
18 170821 - CARDINAL GARDEN CENTER, 272 MILLTOWN RD, SPRINGFIELD TWP, UNION
19 49993 - SPRINGFIELD TWP MARION STORM PUMP STATION, SPRINGFIELD AVE, SPRINGFIELD TWP, UNION
20 308836 - NJDOT, SPRINGFIELD AVE, SPRINGFIELD TWP, UNION
21 148954 - JOE MARTINO LANDSCAPING, 4 ARCHBRIDGE LN, SPRINGFIELD TWP, UNION

Legend

GeoWeb
△ NJEMS Sites
☐ Municipalities
☐ Counties
Mid-Atlantic States
☐ New Jersey
☐ Other Mid-Atlantic States
2012 Imagery (Natural)
RGB
■ Red: Band_1
■ Green: Band_2
■ Blue: Band_3

Map Printed On {2014-11-26 13:02}

Legends with maps having layers with large symbol sets

Page 1 – map and overview map

Page 2 – multi-columned legend
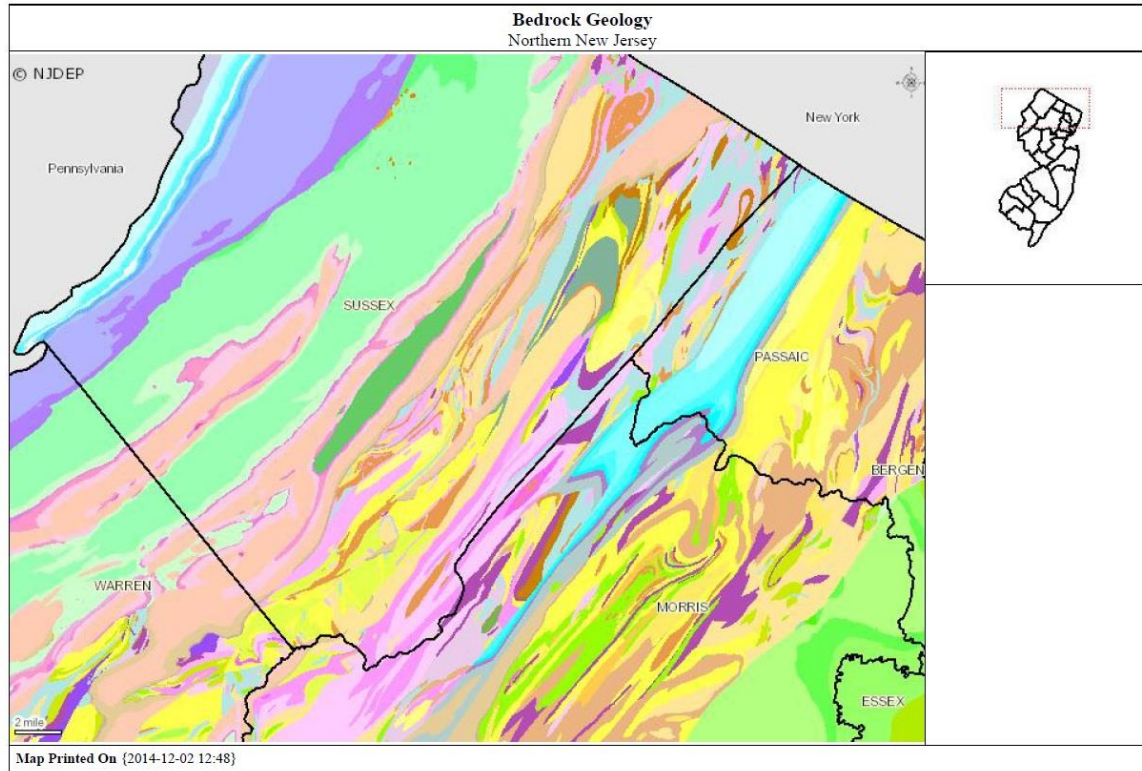

Legend

Geology
- ☐ Counties
- **Mid-Atlantic States**
- ☐ New Jersey
- ☐ Other Mid-Atlantic States
- **Bedrock Geology (up to 1:30000 scale)**
- Tc Unnamed Formation at Cape May
- Tch Cohansey Formation
- Tkl Lower Member Kirkwood Formation
- Tkb Belleplain Member
- Tkw Wildwood Member
- Tks Shiloh Marl Member
- Tsr Shark River Formation
- Tmq Manasquan Formation
- Tvt Vincentown Formation
- Tht Hornerstown Formation
- Krbs Shrewsbury Member
- Krbsh Sandy Hook Member
- Kt Tinton Formation
- Kns Navesink Formation
- Kml Mt. Laurel Formation
- Kw Wenonah Formation
- Kmt Marshalltown Formation
- Ket Englishtown Formation
- Kwb Woodbury Formation
- Kmv Merchantville Formation
- Kcq Cheesquake Formation
- Kmg Magothy Formation
- Kr Raritan Formation
- Kp Potomac Formation
- Jb Boonton Formation
- Jc Basalt-clast Conglomerate
- Jbcq Quartz-pebble Conglomerate

- Jh Hook Mt. Basalt
- Jt Towaco Formation
- Jtc Towaco Formation Conglomerate and Sandstone facies
- Jp Preakness Basalt
- Jps Feltville Formation
- Jfc Feltville Formation Conglomerate and Sandstone facies
- Jo Orange Mountain Basalt
- Jd Jurassic Diabase
- Jg Granophyre
- JTrp Passaic Formation
- Trpg Passaic Formation Gray bed
- JTrpcq Passaic Formation Quatzite-clast Conglomerate facies
- JTrpcl Passaic Formation Limestone-clast Conglomerate facies
- JTrpsc Passaic Formation Conglomerate and Sandstone facies
- JTrps Passaic Formation Sandstone and Siltstone facies
- JTrpms Passaic Formation Mudstone facies
- Trl Lockatong Formation
- TRlr Lockatong Formation Red bed
- Trla Lockatong Formation Arkosic Sandstone facies
- Trlcq Sandstone and Conglomerate Sandstone facies
- Trls Lockatong Formation Sandstone and Conglomerate Sandstone facies
- Trs Stockton Formation
- Trss Stockton Formation Cobble Conglomerate and Sandstone facies
- Dsk Skunnemunk Conglomerate
- Dbv Bellvale Sandstone
- Dcw Cornwall Shale
- Dm Marcellus Shale
- Db Buttermilk Falls Limestone
- Dkec Kanouse and Esopus Formations and Connelly Conglomerate
- Ds Schoharie Formation
- De Esopus Formation
- Do Oriskany Group
- Dp Port Ewen Shale

- Dmn Minisink Limestone and New Scotland Formation
- Dkc Kalkberg Limestone Coeymans Limestone Manlius Limestone
- DSrd Rondout and Decker Formations
- Spv Bossardville Limestone
- Sp Poxono Island Formation
- Sbp Berkshire Valley and Poxono Island Formations undivided
- Sb Bloomsburg Red Beds
- Sl Longwood Shale
- Sg Green Pond Conglomerate
- Ss Shawangunk Formation
- SObs Nepheline syenite
- SObb Ouachitite breccia
- Om Martinsburg Formation
- Omh High Point Member
- Omr Ramseyburg Member
- Omb Bushkill Member
- OCjt Jutland Klippe Sequence
- OCjta Jutland Klippe Sequence Unit A
- OCjtb Jutland Klippe Sequence Unit B
- Ojw Jacksonburg Limestone and Sequence at Wantage undivided
- Oj Jacksonburg Limestone
- Ow Wantage Sequence
- Obu Upper Part Beekmantown Group
- Obl Lower Part Beekmantown Group
- OCa Allentown Dolomite
- Cl Leithsville Formation
- Ch Hardyston Quartzite
- CZm Manhattan Schist
- CZs Serpentinite
- CZw Wissahickon Formation
- Zch Chestnut Hill Formation
- Zv Metabasalt
- Ygm Mt. Eve Granite

- Ybh Hornblende Granite
- Ybs Hornblende Syenite
- Ybb Biotite Granite
- Yma Microperthite Alaskite
- Ypg Pyroxene Granite
- Yps Pyroxene Syenite
- Ypa Pyroxene Alaskite
- Ys Syenite Gneiss
- Yk Potassic Feldspar Gneiss
- Ym Microcline Gneiss
- Yb Biotite-Quartz-Feldspar Gneiss
- Ymh Hornblende-Quartz-Feldspar Gneiss
- Ymp Clinopyroxene-Quartz-Feldspar Gneiss
- Yp Pyroxene Gneiss
- Ype Pyroxene-Epidote Gneiss
- Yf Franklin Marble
- Yq Quartzite
- Ye Epidote Gneiss
- Ylo Quartz-Oligoclase Gneiss
- Yla Albite-Oligoclase Granite
- Ylb Biotite-Quartz-Oligoclase Gneiss
- Yh Hypersthere-Quartz-Oligoclase Gneiss
- Yd Diorite
- Ya Amphibolite
- Yam Migmatite
- Ymg Monazite Gneiss
- Yhp Hornblende-Plagioclase Gneiss
- Ybp Biotite-Plagioclase Gneiss
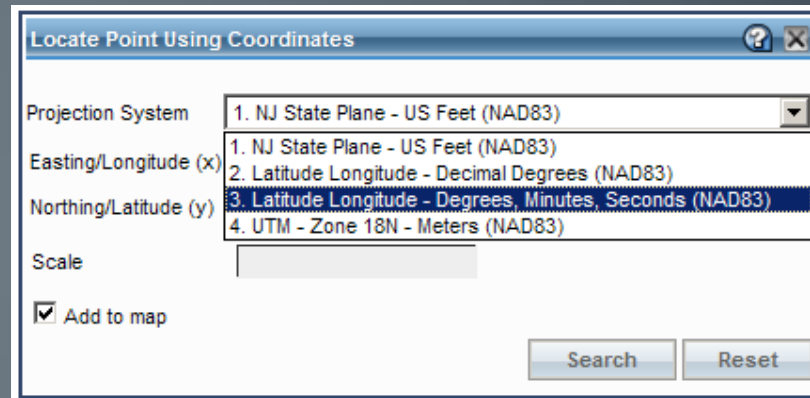- Yba Microantiperthite Alaskite
- Yg Gneiss granofels and Migmatite
- Ygb Gabbro

Map Printed On {2014-12-02 12:48}

Locate Point Using Coordinates

- In addition to NJSP, UTM, and DD, DMS is now an option.

- Rendered points now persist after zooming or panning

- Regardless of coordinate projection system used, translated NJSPC values appear in the Results panel

Buffer Enhancements

- Entered coordinates can serve as a buffer origin
  - Previously buffering only performed on:
    - Existing selected features
    - Mouse-click point on map
  - Now coordinate locations in NJSPC, UTM, DD, and DMS can be entered.

Buffering Options

Generate URL Tool

- Tool used to generate a URL which can be saved as a shortcut, or to share in an email.

- Previously the generated URL contained parameters for the map tab and current extent of the map.

- Now includes map tab, extent, and layers that are currently visible.

Generate URL Tool

Generate URL Tool

User Support

- Training – half day sessions, see schedule:
    - http://www.nj.gov/dep/gis/trainimap.htm

- gisnet@dep.nj.gov – report problems or technical questions to BGIS staff.