

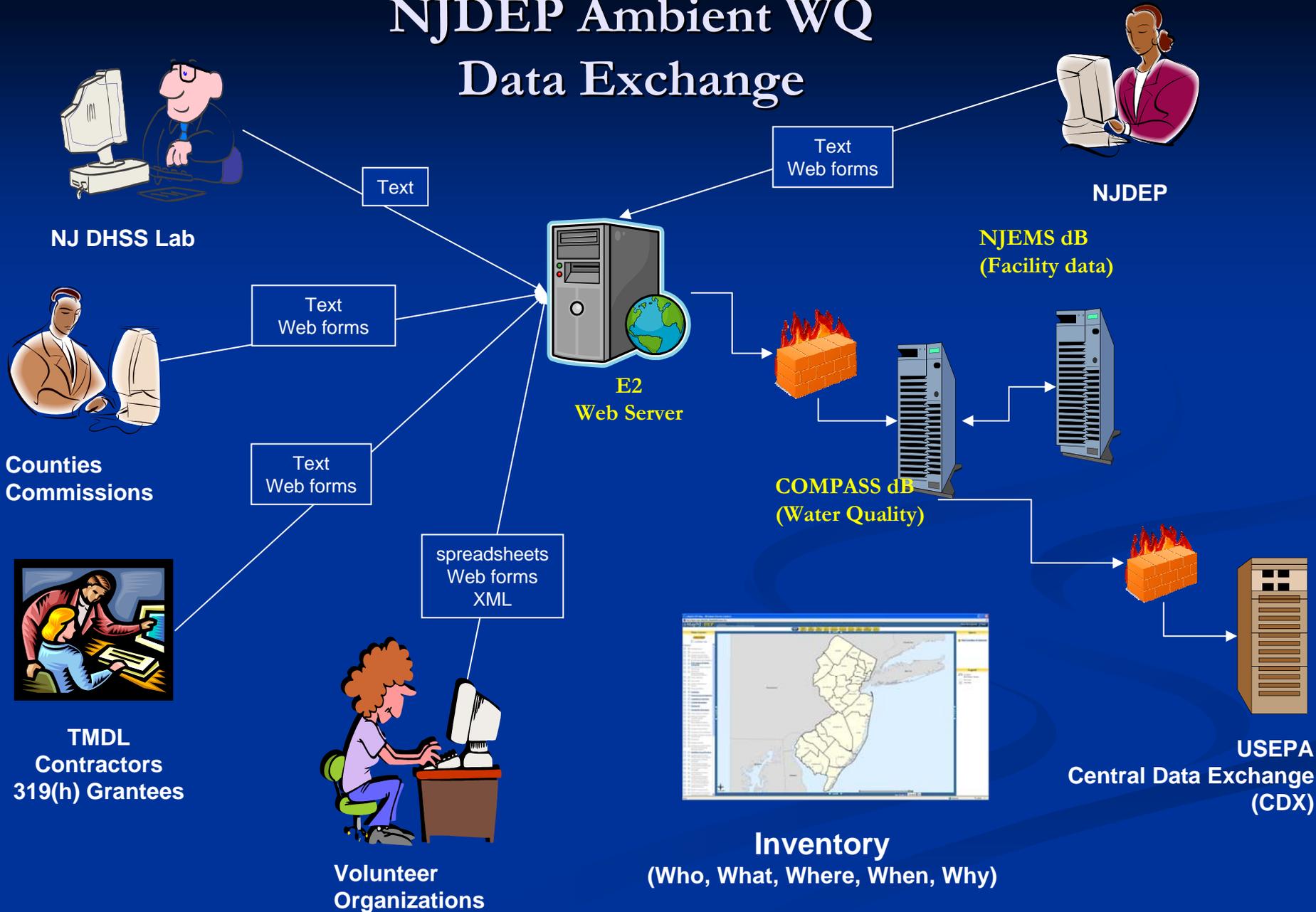
# New Data Management Initiatives

7<sup>th</sup> Water Monitoring and Education Summit  
November 19, 2009

# NJDEP Initiatives

- *Water Quality Data Exchange*
- *Volunteer Monitoring Data System*
- *NJ GeoWeb*
- *NJDEP Data Miner*

# NJDEP Ambient WQ Data Exchange



# Water Quality Data Exchange

# NJ Water Monitoring Coordination Council



Co-chairs:

Leslie McGeorge, NJDEP Water Monitoring & Standards  
Rick Kropp, USGS NJ Water Science Center

- NJDEP (WM&S, NJGS, OS)
- USGS-NJ Water Science Center
- Delaware River Basin Commission
- Interstate Environmental Commission
- NJ Water Supply Authority
- Meadowland Environmental Research Institute
- Passaic River Institute
- NJ Harbor Discharge Group

# Participants

- NJDEP
  - Bureau of Water Quality Standards and Analysis
  - Bureau of Freshwater and Biological Monitoring
  - Bureau of Marine Water Monitoring
  - Division of Watershed Management
    - TMDL Contractor data
    - 319(h) Grantee data
  - New Jersey Geological Survey
  - Office of Science
  - NJDEP Volunteer Monitoring Program
- DHSS Lab
- County/Local Health Agencies

# Potential Data Sources

- NJDEP ambient water quality monitoring studies
- Federal (USGS, USEPA, NOAA) studies
- Interstate Commission (DRBC, IEC, etc.) studies
- TMDL contractor studies
- 319(h) grantee studies
- NJ Harbor Discharger Group studies
- “Exit ramp” studies
- NJPDES permit modification studies
- Ambient data from spill/incident investigations
- NJ Water Purveyor monitoring

# Potential Uses

- Basically any ambient water quality data collected in NJ or in common waters with NJ can be entered into this system
- The mandatory data quality documentation fields (metadata) makes it possible for data of known high quality to be used for regulatory decisions

# Goals



- Develop an up to date, searchable **inventory** of ambient water quality monitoring activities in New Jersey
- **Integrate** federal, state, county and local ambient water quality monitoring data into NJDEP's enterprise environmental data management system (NJEMS/COMPASS) to enable more integrated environmental decisions (305(b), 303(d), TMDLs)
- Make NJDEP's ambient water quality monitoring data readily **available** to DEP staff and the public
- **Exchange** ambient water quality monitoring data with USEPA and USGS (not just send NJDEP data to EPA)
- Funding: National Environmental Information Exchange Network (NEIEN) Grant

# Core Components



## WQX Module on **E2**

Web based solution for importing data  
Both Web forms and batch file loading

## Data **Validation**

historical range checks,  
characteristic unit pairing, and  
logical checks

## NJ Water Monitoring **Inventory** and **Data Portal**

Web based mapping of monitoring locations & results

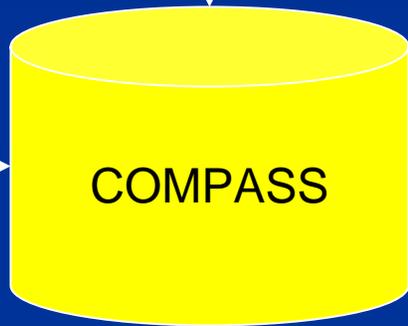
## Outbound Data **Transmission to EPA/CDX**



NJ Marine Science Consortium  
NJ Pinelands Commission  
NJ Water Supply Authority  
Meadowlands Environmental  
Research Institute  
Rutgers University  
Monmouth University  
Monmouth County  
USGS  
NOAA  
DRBC  
IEC



BWQSA Data Solicitation Respondents  
BFBM  
BMWM  
DSRT  
TMDL Contractors  
319(h) Grantees  
Volunteer  
Counties



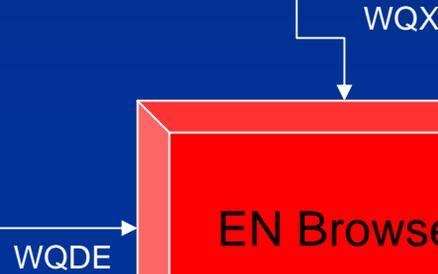
DRBC  
IEC  
Beach  
PA  
NY  
MD  
DE



Flow  
Continuous  
Water Quality



Text  
XML  
HTML



# Nice Features

- **Reuse of an existing NJDEP database** (COMPASS used by Private Well Testing, Volunteer Monitoring, NJQL) to enhance compatibility and keep costs to a minimum.
- **Security:** Multiple levels, so outside parties can submit data to the system without accessing/changing DEP and other's data
- **Inventory:** Can tell us the who, what, where, when and why of a project without having to submit results. Make DEP staff more aware of available data sources in an area
- **Deletes:** can't delete monitoring locations with data or projects with data.
- **Audit Trail:** record of all submissions and transactions so you can know when data was added changed or deleted
- Handles **Data Logger** result in their native form

# Types of Data

- Project Descriptions (with QA Project Plans)
- Monitoring Location Information
- Results
  - Field Measurements/Observations
  - Chemical Results
    - water column, sediment, tissue
  - Biological Results
    - taxa counts, metrics and indices
  - Habitat Assessments
  - Continuous Data (Data Loggers/Data Sondes)

# Data Entry Methods

- Web Forms
  - Organizations
  - Projects
  - Monitoring Locations
  - Attachments
- Batch Files
  - Projects
  - Monitoring Locations
  - Results
  - Attachments

**How Do I Get Started?**

# WQDE Info on NJDEP Web site

The screenshot shows the NJDEP website interface. At the top, there is a navigation bar with links for 'About DEP', 'Index by Topic', and 'Programs & Units'. Below this is a large banner image depicting various environmental activities. The main content area is divided into several sections:

- Left Sidebar:** A vertical menu with categories such as 'Air Information', 'Water Information', 'Land & Open Space', 'Site Cleanups', 'Waste Management', 'Parks & Forests', and 'Fish & Wildlife'. Under 'Fish & Wildlife', there are sub-links for 'Climate Change', 'Education', 'Enforcement', 'Environmental Justice', 'Highlands', 'Historic Preservation', 'Pesticides', 'Radiation Protection', 'Recycling', 'School Facilities', 'Stewardship', 'Sustainable Planning', 'Citizen', 'Business', and 'Calendar'. Below this is the 'Information Tools' section with links for 'DEP Online', 'i-Map NJ', 'Data Miner', 'Public Records (OPRA)', 'GIS Data', 'Rules & Regulations', and 'Environmental Standards'.
- Center:** A featured article titled 'It rocks!' with a photo of a rocking chair and boots. The text describes the historic Walk Whitman House. Below the article is a 'News Releases' section with dates and headlines, including 'November 16, 2009 DEP Awards Record Grants to Assist Local Recycling Programs' and 'October 14, 2009 DEP Preserves Scenic Acres Along the Delaware River'. At the bottom of this section is a form to 'Want to receive NJDEP News Releases via e-mail?' with an input field and a 'subscribe to dep news releases' button.
- Right Sidebar:** Contains a '1-877-WARN DEP Hotline' link, 'Today's Air Quality' information, a photo of Commissioner Mark N. Mauriello, and a 'Featured Topics' section. The 'Featured Topics' section is circled in red and lists items like 'H1N1 Information', 'Water Quality Data Exchange Submittal System Now Available to Public', 'Municipal Stormwater Status Report Summary', and 'Local Government Greenhouse Gas Reduction Grant Program'.

At the bottom of the page, there are logos for 'RAISEMEUP', 'CENSUS 2010 NJ's COUNTING ON YOU!', and 'Clean Water NJ' with the slogan 'It's Up to You New Jersey'. A 'Video Clips' section is also visible at the bottom.

# Register at NJDEP Online

NJDEP Online - Windows Internet Explorer

http://www.njdeponline.com/

File Edit View Favorites Tools Help

☆ Favorites | ☆ Suggested Sites | Free Hotmail | Get More Add-ons

NJDEP Online

njhome | citizen | business | government | services A to Z | departments

new jersey department of environmental protection

njdep online

your portal to e-government services

njdep home | about dep | index by topic | programs/units | dep online

search

## Welcome to New Jersey Department of Environmental Protection's (NJDEP) Online Business Portal

In an effort to coordinate with other State services, the NJDEP Online system will now be accessed via the myNewJersey Portal. The myNewJersey site is a portal which gives you direct access to a variety of online resources and lets you customize New Jersey web content based on your personal and business preferences. You will be required to have a myNewJersey Portal account in order to access NJDEP's online services. If you do not have a myNewJersey Portal account you will be able to create one during the registration process. You will also be able to use this same myNewJersey account to access other services provided by other New Jersey Departments.

**Please review the following instructions to request access to NJDEP Online:**

**NJDEP Online New User INSTRUCTIONS**

Please read the instructions thoroughly before continuing. Instructions will open in a new window so you can print them or follow along.

If you do not have Adobe's free Acrobat Pdf reader please download it [here](#) in order to read or save the instructions.

**NEW USERS Request Access to NJDEP Online**

**ATTENTION DENTAL AMALGAM USERS**

Please note that the Dental Amalgam Registration and Certification web page has been temporarily shut down to standardize the registration and certification period for all dental facilities impacted by the amalgam regulations. If you are attempting to register for the first time, please come back to this page **BETWEEN October 2, 2009, and December 31, 2009**, to complete your registration and certification.

Going forward, dental facilities will be required to certify between 10/1 and 12/31 of each year, with the certification covering the period 10/1 to 9/30 of the reporting year.

**Already a registered user?**

**Log in to NJDEP Online**

Some NJDEP Online services have associated fees. A Visa, MasterCard, Discover, American Express credit card, or a valid checking account is required for online payment of the required fees.

VISA MasterCard DISCOVER AMERICAN EXPRESS eCheck

Note: For use with Mozilla Firefox 2.0 or higher or Microsoft Internet Explorer 6.0 or higher.

# Link NJDEP Online service to myNewJersey account

Step 2: Link NJDEP Online to Your myNewJersey Account - Windows Internet Explorer

https://portal01.state.nj.us/http://portal20.sa.state.nj.us:8080/signup/NJLoginLinked?oid=8tSPgfyfCdfS67omnKrnJGI7wYu1jYKDIAPj1Jf5mS8Sl

File Edit View Favorites Tools Help

Step 2: Link NJDEP Online to Your myNewJersey Acco...

**njdep online** + **my newjersey** [Help](#)  
More information on myNewJersey

1. Request access to NJDEP Online      2. Link Your NJDEP Online service to your myNewJersey account      3. Use NJDEP Online

Use this page to tell us about your myNewJersey account by picking one of the three choices below:

**A. I already have a myNewJersey account. Link it to my NJDEP Online information:**

My Log On ID is  and my password is

**B. I don't have a myNewJersey account yet. I'll create a new one now and link it to my NJDEP Online information:**

Pick a Log On ID  If you forget your password later, we'll ask you the following question. If you answer it correctly, we'll send a new password to your email address.

Pick a password  Question you want us to ask

Retype your password  Your answer

First name  Email address

Last name  Retype your email address

\* All items in B are required if you're creating a new account. Your name and email address are filled in based on Step 1, but ignore them and use choice A instead if you already have a myNewJersey account.

Use choice C below if you can't remember your Log On ID - please don't create another new account.

Review your information and be sure it's correct before you click the Create Account button.

Internet 100%

# Configure DEP Services

Skip Navigation

Version: 4.6  
Currently logged in: Paul Morton (PMORTON)

[Help](#) | [Logout](#)

## MY SERVICES

Please select the Services that you would like to appear on your Workspace and click the OK button.

### Services

#### Division of Water Quality

- NJPDES Monitoring Reports (DMRs, WCRs, RTRs)
- Dental Waste Registration - New
- Dental Waste Registration - Renewal
- Stormwater Construction General Authorization

#### Right to Know and Pollution Prevention Program

- Community Right To Know Survey
- Release and Pollution Prevention Report and Pollution Prevention Plan Summary

#### Water Monitoring

- Volunteer Water Monitoring Program
- Water Quality Data Exchange

#### Well Permitting

- Well Permitting Service Selection

#### Air Program

- General Permits
- Permit/Certificate Folder
- Permit/Certificate Renewals
- NOx RACT Combustion Adjustment
- Excess Emission Monitoring Performance Reports (EEMPR)
- Periodic Compliance Certification
- Diesel Retrofit Program

#### Underground Storage Tank (UST) Program

- UST Notice of Intent to Close
- Initial UST Registration
- Modification of UST Registration
- Renewal of UST Registration

#### Water Supply

- Drinking Water(eDWR)
- Private Well Testing Act (PWTA) Analytical Results
- Water Diversion, Water Utilization and Monitoring Results Submittal

# Using WQDE

# Associate with an Organization

## Admin Tools

- Security Configuration
- System Configuration

## My Account

- Basic Information
- Manage PII
- Associated WOX Org.
- Register WOX Org.

## WQX Module

- Projects
- Monitoring Location
- Activities and Results
- Submit Data
- View Submissions
- View Configurations
- Reference Data

### DEFAULT

The help introduction of this page is under construction.

## Associated WQX Organization - Search WQX Organization

### Search WQX Organization

Search Panel

Organization Name:

Organization ID:



### Associate WQX Organization

Records: 1 - 10 of 19

1 2

Add	Role	Organization Name	Organization Identifier
<input type="checkbox"/>	Data Reporter	Brick Utilities	BTMUA
<input type="checkbox"/>	Data Reporter	Camden County Soil Conservation District	CCSCD
<input type="checkbox"/>	Data Reporter	Delaware River Basin Commission	DRBC
<input type="checkbox"/>	Data Reporter	Environmental Protection Agency Region 2	EPA Region 2
<input type="checkbox"/>	Data Reporter	Interstate Environmental Commission	IEC
<input type="checkbox"/>	Data Reporter	NJ Water Supply Authority - WPP	NJWSA
<input type="checkbox"/>	Data Reporter	NJDEP - NJDEP-DWM - NJDEP Bureau of Environmental Analysis and Restoration	NJDEP_BEAR
<input type="checkbox"/>	Data Reporter	NJDEP - NJDEP-WMS - NJDEP Bureau of Freshwater and Biological Monitoring	NJDEP_BFBM
<input type="checkbox"/>	Data Reporter	NJDEP - NJDEP-WMS - NJDEP Bureau of Marine Water Monitoring	NJDEP_BMWM
<input type="checkbox"/>	Data Reporter	NJDEP - NJDEP-DWQ - NJDEP Bureau of Surface Water Permitting	NJDEP_BSWP

Records: 1 - 10 of 19

1 2

# Add Project Information

njhome | citizen | business | government | services A to Z | departments

new jersey njdep department of environmental protection

njdep home | about dep | index by topic | programs/units | dep online

Home Help Logout (pmorton)

Admin Tools

- Security Configuration
- System Configuration
- Facility Management
- Project Management
- Data Analysis Configuration

My Account

- Basic Information
- Manage PIN
- Associated Water System
- Associated Laboratory
- Associated VM Group
- Associated WQX Org.
- Register WQX Org.

WQX Module

- Projects
- Monitoring Location
- Activities and Results
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- Reference Data

### General Information

Project Name:

Project ID:

Project Type:

Project Purpose / Description:

Does the Project have a QAPP:  Yes  No

Attach QAPP:

Delete	View file	File Type	File Name	Size (bytes)
<input type="checkbox"/>		application/pdf	303D-2003.pdf	343074

Has the QAPP been approved?:  Yes  No

# Add Monitoring Locations

**Station Location**

Coordinate type:  Decimal Degrees (DD.dddd(dd))  
 Degree, Minutes, Seconds (DDMMSS)

Location Selection:  Point Location  Segment Location

Point Location at:

Latitude:   
Longitude:

State Plane Feet: Northing   
Easting

[Convert to State Plane](#) [Select From Map](#)

[Convert to Lat/Long](#)

**Coordinate Reference**

Coordinate Collection Method:

Source Map Numeric Scale:

Coordinate Reference System Datum: **North American Datum 1983**

**Station Information**

Monitoring Location ID:

Monitoring Location Name:

Monitoring Location Description:

Monitoring Location Type: **Estuary**

State Code:

County Name:

City Name:

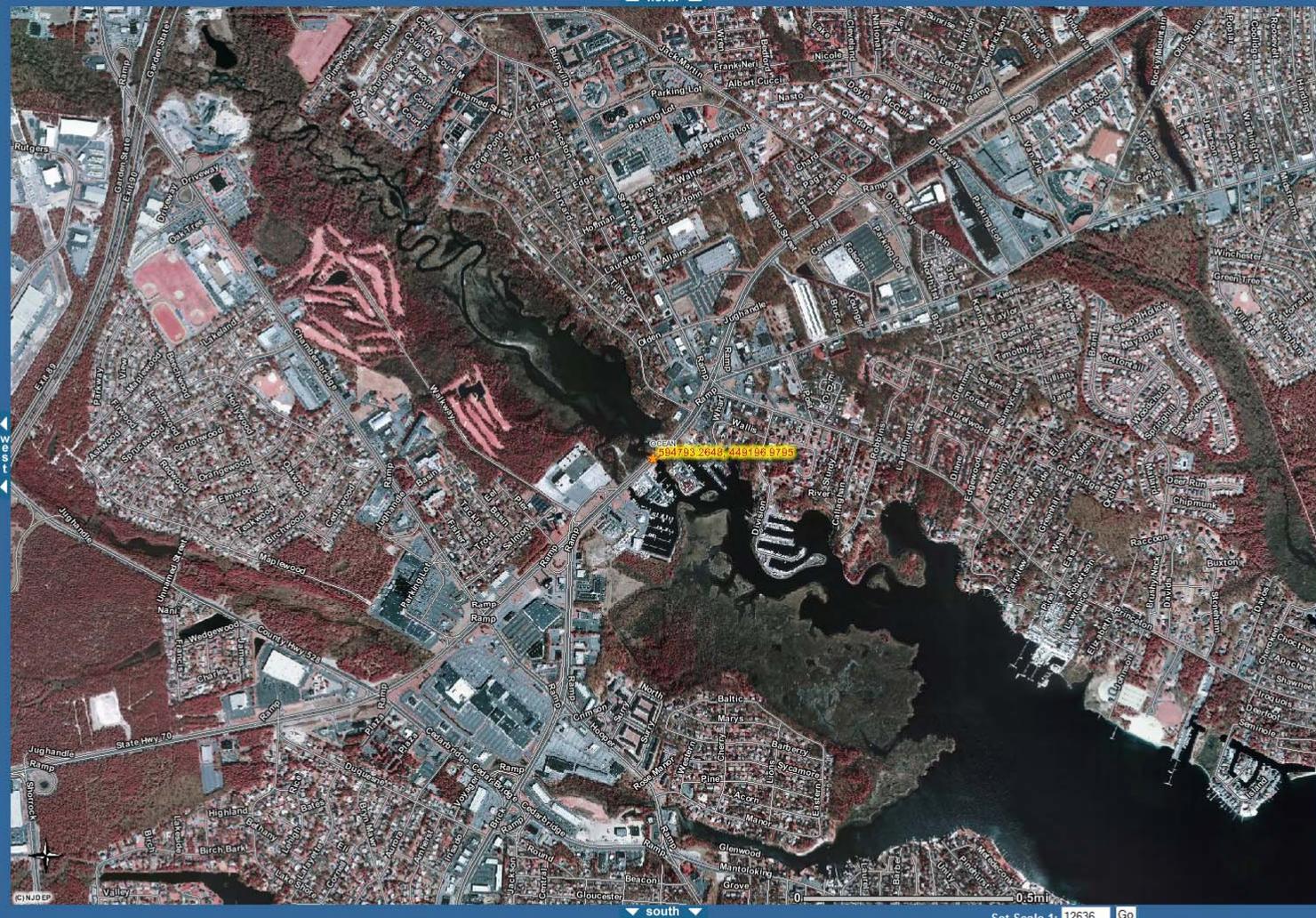
# Select Coordinates from Map

### Data Layers

refresh map

AutoRefresh Map

- Visible Active
- NJEMS Sites
  - Chromate Sites
  - Public Community Water Supply Wells
  - Air Monitoring Stations
  - Fish Index Of Biotic Integrity
  - Known Contaminated Sites List
  - Ambient Biomonitoring Network (AMNET)
  - Place Names
  - Zip Codes
  - Urban Enterprise Zones
  - Municipalities
  - Counties
  - Congressional Districts
  - Legislative Districts
  - CAFRA
  - Highlands
  - Pinelands Boundary
  - Critical Environmental and Historic Sites
  - Open Space (State)
  - Natural Heritage Priority Sites
  - Pinelands Management Area
  - Sewer Service Areas
  - Roads (Tele Atlas)
  - Category One Waters
  - Surface Water Quality Standards
  - Streams
  - Water Bodies
  - Delaware and Raritan Canal Commission Review Zones
  - Shellfish Classification
  - Landscape Project 3.0 - Landscape Version
  - Landscape Project 3.0 - Streams
  - Landscape Project 3.0 - Species Based Patches
  - Landscape Project 3.0 - Vernal Habitat
  - Landscape Project 2.1 - Bald Eagle Foraging
  - Landscape Project 2.1 - Urban Peregrine
  - Landscape Project 2.1 - Wood Turtle
  - Landscape Project 2.1 - Beach
  - Landscape Project 2.1 - Emergent Wetlands



### Query

[Find Location of Interest](#)

### Legend

- Counties
- Roads (Tele Atlas)
- Aerial Photos 2002
- Mid-Atlantic States
  - New Jersey
  - Other States

# Select Columns and Order to Match Your Batch Files

The screenshot shows the NJDEP web application interface. The top navigation bar includes links for 'njhome', 'citizen', 'business', 'government', 'services A to Z', and 'departments'. The main content area is titled 'Config File Type: Monitoring Locations'. Below this, there are fields for 'Text Delimiter: Tab', 'User/Owner: Paul Morton', and a checked checkbox for 'Skip Header in Import File'. A table lists 12 columns for configuration, each with a 'Delete' icon, 'Optionality', 'Sequence', 'Column name', 'Replacement Value', and 'Auto Generate' checkbox. The columns are: 1. MonitoringLocationIdentifier (M), 2. MonitoringLocationName (M), 3. MonitoringLocationTypeName (M), 4. LatitudeMeasure (M), 5. LongitudeMeasure (M), 6. StatePlaneNorthingYMeasure (M), 7. StatePlaneEastingXMeasure (M), 8. SourceMapScaleNumeric (C), 9. HorizontalCollectionMethodName (M), 10. HorizontalCoordinateReferenceSystemDatumName (M), 11. MonitoringLocationStateCode (M), and 12. MonitoringLocationCountyCode (M). At the bottom, there are buttons for 'Add', 'Sort Sequence', 'Mapping Translation', and 'Group Code', along with a 'Row(s)' dropdown set to 1.

Config File Type: **Monitoring Locations**

Text Delimiter: **Tab**

User/Owner: **Paul Morton**

Skip Header in Import File

Delete	Optionality	Sequence	Column name	Replacement Value	Auto Generate
	M	1	MonitoringLocationIdentifier		<input type="checkbox"/>
	M	2	MonitoringLocationName		<input type="checkbox"/>
	M	3	MonitoringLocationTypeName		<input type="checkbox"/>
	M	4	LatitudeMeasure		<input type="checkbox"/>
	M	5	LongitudeMeasure		<input type="checkbox"/>
	M	6	StatePlaneNorthingYMeasure		<input type="checkbox"/>
	M	7	StatePlaneEastingXMeasure		<input type="checkbox"/>
	C	8	SourceMapScaleNumeric		<input type="checkbox"/>
	M	9	HorizontalCollectionMethodName		<input type="checkbox"/>
	M	10	HorizontalCoordinateReferenceSystemDatumName		<input type="checkbox"/>
	M	11	MonitoringLocationStateCode		<input type="checkbox"/>
	M	12	MonitoringLocationCountyCode		<input type="checkbox"/>

Add **1** Row(s) **Sort Sequence** **Mapping Translation** **Group Code**

# Match Your Terms to WQDE

The screenshot shows the NJDEP WQX Module configuration interface. The breadcrumb trail is: WQX Module > View Configuration > Configuration Data Elements > Mapping Translation. A help message states: "Click 'Add' button to add mapping records, select mapped column and the reference data from drop down to match the value that you will provided, and then click 'Save' button to save your mapping translation. You may also export and import the mapping translation records by clicking 'Import' and 'Export' button."

The "Mapping Translation" section includes a "Configuration File Name" field with the value "mandatory Chem Results". Below this is a table with the following data:

Delete	Column Name	Value Provided	
	CharacteristicName	Chlorophyll a, corrected for	Chlorophyll a
	CharacteristicName	Nitrogen, Kjeldahl	Kjeldhal nitrogen
	CharacteristicName	BOD, Biochemical oxygen d	Biochemical oxygen demand, sta
	CharacteristicName	Sulfur, sulfate (SO4) as SO4	Sulfate
	ActivityTypeCode	Routine Sample	Sample-Routine
	CharacteristicName	Enterococcus Group Bacteri	Enterococcus
	ResultDetectionConditionText	Not Detected	

At the bottom of the table are buttons for "Add", "Export", "Import", "Exit", and "Save".

# Use Group Codes to Combine Fields

newjersey njdep department of environmental protection

njdep home | about dep | index by topic | programs/units | dep online

Home Help Logout (pmorton)

Admin Tools

- Security Configuration
- System Configuration
- Facility Management
- Project Management
- Data Analysis Configuration

My Account

- Basic Information
- Manage PIN
- Associated Water System
- Associated Laboratory
- Associated VM Group
- Associated WQX Org.
- Register WQX Org.

WQX Module

- Projects
- Monitoring Location
- Activities and Results
- Submit Data
- View Submissions
- View Configurations
- Reference Data

the values that you will provide, and then click a??Savea?? button to save your group code. You may also export and import the group code records by clicking a??Importa?? and a??Exporta?? button.

Group Code

Search Panel

Configuration File Name:

Select Group:

User Group Code	ReRe:Characteristic Name	Result Sample Fraction	Text	Result Measure Unit Code	Re:Statistical Base	(Result Value Type	NaN
Pb	<input type="text" value="Lead"/>	Total		ug/l	Mean	Calculated	

Lead  
Lead monoxide  
Lead(II) chroma  
Lead-210  
Lead-212  
Lead-214  
Length  
Length, Total (F  
Length, total  
Life stage (choic  
Light attenuation

# Submit Your Data

e-DWR - Windows Internet Explorer

https://www9.state.nj.us/edwr.web/page/entry/login.do?actType=portal&LOGIN\_NAME=PMORTON&LOGIN\_PASSWORD=AK\JDQd

File Edit View Favorites Tools Help

Favorites Suggested Sites Free Hotmail Get More Add-ons

e-DWR

njhome | citizen | business | government | services A to Z | departments

newjersey **njdep** department of environmental protection

njdep home | about dep | index by topic | programs/units | dep online

Home Help Logout (PMORTON)

**Admin Tools**

- Security Configuration
- System Configuration

**My Account**

- Basic Information
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**WQX Module**

- Projects
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- View Configurations
- Reference Data

• **DEFAULT**

The help introduction of this page is under construction.

Submission File Name:

**Water Quality Data**

Import Configuration File:

Project:

Data File:

**Attachment**

Import Configuration File:

Attachment(s):

Attachment Definition File:

[contact dep](#) | [privacy notice](#) | [legal statement](#) | [accessibility statement](#)

Internet 100%

# View Data You Submitted

Organization - Windows Internet Explorer  
<https://www9.state.nj.us/edwr.web/page/admin/wqx/ViewWQXSubmissionMsg.do?actType=viewWQXSubmissionMsg&submissionId=29714>

## Organization NJDEP-BEAR

**Organization Description**

<b>Organization Identifier:</b> NJDEP-BEAR	<b>Organization Description:</b> The purpose of the Bureau of Environmental Analysis and Restoration (BEAR) will be to support the Division's mission through the development of technical tools for implementation by the Division. This will be accomplished through the completion of Established TMDLs and the revision and development of a Stream Corridor Ordinance, Well Head Protection Ordinance and an Enhanced MS4 Ordinance.
<b>Organization Formal Name:</b> New Jersey Department of Environmental Protection	
<b>Organization Type:</b> Government / State	
<b>Division Name:</b>	
<b>Bureau Name:</b>	
<b>Organization Contact Name:</b> Patricia Ingelido	

**Electronic Address**

<b>Electronic Address</b>	<b>Address Type</b>	<b>Telephone Number</b>	<b>Telephone Type</b>
Patricia.Ingelido@dep.state.nj.us	Email	6096331441	Office

**Organization Address**

Address Type	Address	Supplemental Address	Locality Name	State Code	Postal Code
Location	401 E State St		Trenton	NJ	08608
Mailing	PO Box 402		Trenton	NJ	08625

## Monitoring Location WQX-275 (RC-1)

**Monitoring Location Identity**

<b>Monitoring Location Identifier:</b> RC-1	<b>Monitoring Location Description Text:</b>
<b>Monitoring Location Name:</b> Raccoon Creek Downstream of Kincaid Lake	
<b>Monitoring Location Type Name:</b> River/Stream	

**Water Body Description**

<b>Water Body Identifier:</b>	<b>Water Body Location Text:</b>
<b>Site Identifier:</b>	<b>Site Acres Numeric:</b>
<b>Habitat Name:</b>	<b>Bank Name:</b>
<b>Stream Gradient:</b>	<b>Water Body Name:</b>

**Monitoring Location Geospatial**

<b>Latitude Measure:</b> 39.707320	<b>Longitude Measure:</b> -75.190294
<b>Source Map Scale Numeric:</b>	<b>Horizontal Accuracy Measure:</b>
<b>Horizontal Collection Method Name:</b> GPS Code (Pseudo Range) Differential	<b>Horizontal Coordinate Reference System Datum Name:</b> UNKWN
<b>State Code:</b> NJ	<b>County Code:</b> 08
<b>Locality Name:</b>	<b>Location Reference Map:</b>
<b>State Plane Northing Y Measure:</b> 319056.681016328	<b>State Plane Easting X Measure:</b> 297925.5535183429
<b>State Plane Northing Y Measure Segment End Point:</b>	<b>State Plane Easting X Measure Segment End Point:</b>
<b>Latitude Measure Segment End Point:</b>	<b>Longitude Measure Segment End Point:</b>

## Monitoring Location WQX-276 (RC-2)

**Monitoring Location Identity**

<b>Monitoring Location Identifier:</b> RC-2	<b>Monitoring Location Description Text:</b>
---	--

Done Internet 100%

# Submissions must be Approved by Your Org Administrator

Use the search panel below to find submissions. You may click "Data File", "XML" to download Data and XML, click "View" to view the style sheet of your submission and click "Error Report" if there are any. The submission could be approved or rejected by wxq organization administrators, by selecting "APPROVED" or "REJECTED" from "Accept" dropdown values and then clicking "Update Accept/Reject" button.

**View Submissions**

Search Panel

Organization:

Project:

Submission ID:

Submission File Name:

Start Date:

Submission Status:

End Date:

User:

GO

Accept	ReSubmit	Data File	XML	View	Error Report	Sub.ID	Prev.Sub.ID	Submission Name	User	Date Submitted	Status
						4496		PM-TestProjAttch	pmorton	03/02/2009 13:19:04	EXCEPTION
APPROVED						4495		Data_Logger_0226	admin	02/26/2009 14:21:00	COMPASS_ACC
APPROVED						4494		Data_Logger_0226	admin	02/26/2009 10:02:13	APPROVED
						4493		PM-TML-2500	pmorton	02/25/2009 14:05:07	VALID
						4492		PM-TML-1000	pmorton	02/25/2009 13:44:33	VALID
						4491		PM-TML-500	pmorton	02/25/2009 13:22:27	VALID
						4490		PM-TML-250	pmorton	02/25/2009 13:21:48	VALID
						4489		PM-TML-100	pmorton	02/25/2009 13:20:48	VALID
						4488		PM-TML-50	pmorton	02/25/2009 13:20:00	VALID
						4487		PM-TML-25	pmorton	02/25/2009 13:19:22	VALID
						4486		PM-TML-10	pmorton	02/25/2009 13:18:27	VALID
						4485		PM 5K MonLoc	pmorton	02/24/2009 13:08:03	REJECTED
APPROVED						4483		logger_test_0220_s	admin	02/20/2009 10:26:25	TRANSFERED
						4482		logger_test_0220_s	admin	02/20/2009 09:49:30	INVALID

Update Accept/Reject

# Volunteer Water Monitoring Program

# NEW JERSEY ELECTRONIC DATA MANAGEMENT SYSTEM

- NJDEP, with help from the **volunteer monitoring program coordinators** from around the state has created the **first NJ public data management system for volunteer collected data.**
- This online data management system has been designed to help **alleviate the burden** of data management and allow volunteer collected data to be **comparable with other available data.**
- This powerful tool allows registered volunteers to run **simple statistics**, create **graphs** for visual comparisons and makes data for a particular watershed, water body, or geographic location **available for download.**
- This new system allows the data to be effectively managed, analyzed and reported for use by NJDEP, interested organizations, the general public and you!

# Nice Features

- Customized to the way the NJ Volunteer Monitoring community does business
- Forms based data entry
- Calculates biological impairment scores
- Handles pipe, ditch and land use information
- Handles QA Plans and site photos
- Web based: No additional software required

# Getting Started with VM Program

Along with registering with NJDEP Online, you must also register your volunteer monitoring program at:

[http://www.nj.gov/dep/wms/bfbm/vm/getting\\_started.html](http://www.nj.gov/dep/wms/bfbm/vm/getting_started.html).

Fill out the New Group Signup Form found at the bottom of the page.

# Associate with a VM Group

- Basic Information
- Manage PII
- Associated Water System
- Associated Laboratory
- Associated VM Group
- Associated WQX Org.
- Register WQX Org.

• DEFAULT

Below you may locate existing VM Groups. Once you have located your desired VM Group, check the check box next to the VM Group and choose the appropriate role. When you are finished, click the "Add VM Group" button. If you need to see all available VM groups within the system, please leave fields blank and click "Go" to see all.

## Associated VM Group - Search VM Group

### Search VM Group

Search Panel

Volunteer Monitoring Group Name:

Volunteer Monitoring Group ID:

GO

Associate VM Group

Records: 1 - 10 of 23

1 2 3

Add	Role	Program	VM Group ID	VM Group Name
<input type="checkbox"/>	Data Reporter	WQM	1	Delaware Riverkeeper Network
<input type="checkbox"/>	Data Reporter	WQM	2	Great Swamp Watershed Association
<input type="checkbox"/>	Data Reporter	WQM	3	Hackensack Riverkeeper
<input type="checkbox"/>	Data Reporter	WQM	4	Pequanock River Coalition
<input type="checkbox"/>	Data Reporter	WQM	5	Pompeston Creek Watershed Association
<input type="checkbox"/>	Data Reporter	WQM	6	South Branch Watershed Association
<input type="checkbox"/>	Data Reporter	WQM	7	Federation of Gloucester County Watersheds
<input type="checkbox"/>	Data Reporter	WQM	8	Stony Brook-Millstone Watershed Association
<input type="checkbox"/>	Data Reporter	WQM	9	Upper Raritan Watershed Association
<input type="checkbox"/>	Data Reporter	WQM	10	Crafts Creek Spring Hill Brook Watershed Association

Records: 1 - 10 of 23

1 2 3

# Describe Your Project

e-DWR - Windows Internet Explorer  
https://www-dep.stg.state.nj.us/edwr/web/page/entry/login.do  
File Edit View Favorites Tools Help  
Favorites Suggested Sites Free Hotmail Get More Add-ons  
e-DWR

njhome | citizen | business | government | services A to Z | departments  
newjersey department of environmental protection  
njdep home | about dep | index by topic | programs/units | dep online  
Logout (pmorton)

Home Help

**Volunteer Monitoring**

- Create New Reports
- Upload XML Reports
- Retrieve Saved Reports
- View Submission
- Project Management
- Pipe-Ditch Inventory
- VM Reports

**Admin Tools**

**My Account**

**WQX Module**

• DEFAULT  
This page lists the details of the selected project. Only Program Coordinators and System Administrators can edit project information. However, all users could view/edit Site information and create new sites or copy existing sites under this project.

## Project Management - Project Detail (Project ID: 88)

### Project Detail

**Associated VM Group:** 123test (VMG ID :17)

**Project Name\*:**

**Project Desc\*:**

**Project Start Date:**

**Project End Date:**

**Project Tier:**

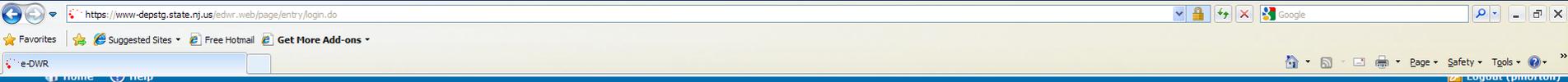
**Project Status:**

**Attach Project Plan / QAPP:**

**Download Project Plan / QAPP:**

Remove	Edit	Site ID	Site Name	Site Description	Date Updated
		137	Doug Testing Site	test description2	11/15/2006 16:33:27

# Add Your Sites



- Volunteer Monitoring
- Create New Reports
- Upload XML Reports
- Retrieve Saved Reports
- View Submission
- Project Management
- Pipe Ditch Inventory
- VM Reports

- Admin Tools
- My Account
- WQX Module

• DEFAULT  
Enter site information on this page. You could enter the point/segment coordinates either by manually entering data into the textboxes or by clicking the button "Select from Map" and identifying point on the map. Click the "Save" button to save your changes and click "Back" to return to project details page.

## Site Detail (Site ID: <<New>>)

Project:	DougTest Project (Project ID: 88)		
Site Name*:	<input type="text" value="Station 1"/>		
County*:	<input type="text" value="Ocean"/>		
Waterbody*:	<input type="text" value="Manasquan River"/>		
Watershed Management Area:	<input type="text" value="12: Monmouth"/>		
Site Description*:	<input type="text" value="Manasquan River at Route 35 bridge"/>		
Stream Gradient:	<input type="text" value="Low"/>		
Station Role:	<input checked="" type="radio"/> Long-Term Trend Assessment <input type="radio"/> Restoration <input type="radio"/> Reference <input type="radio"/> Short-Term Trend Assessment <input type="radio"/> None of them		
Location Selection:	<input checked="" type="radio"/> Point Location <input type="radio"/> Segment Location		
Point Location Lat/Long:	Latitude <input type="text"/>	<input type="button" value="Select From Map"/>	Selection Method <input type="text" value="GPS"/>
	Longitude <input type="text"/>		
Convert X/Y to Lat/Long:	X-Coord <input type="text"/>	<input type="button" value="Convert"/>	
	Y-Coord <input type="text"/>		

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statewide: [nhome](#) | [citizen](#) | [business](#) | [government](#) | [servicesA to Z](#) | [departments](#) | [search](#)

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Department of Environmental Protection  
P. O. Box 402  
Trenton, NJ 08625-0402

Last Modified: 2009-11-13 12:03

# Visual Habitat/Site Assessment

## New Jersey WQM Report - Visual / Habitat Site Assessment Form

**VM Group Name:** 123test      **Project Name:** PM Test Project  
**VM Group Number:** 17      **Site Name:** AN0443  
**Report Form ID:** <<New>>      **Waterbody:** Weamaconk Creek

[View Federal Rapid Bioassessment Score](#)

[Exit](#) [Save](#) [Next Page](#)

For calculating Habitat Assessment Score, all required fields(with \*) must be filled in.

### Monitoring Sheet

Is the stream wadeable or non-wadeable?	<input type="text" value="Wadeable"/>				
<b>Wadeable Stream Characteristics:</b>					
Stream Width	<input type="text" value="6"/> <input type="text" value="ft"/>				
Stream Depth	<input type="text" value="1"/> <input type="text" value="ft"/>				
Stream Velocity	<input type="text" value="2.5"/> <input type="text" value="ft/sec"/>				
Stream Flow	<input type="text" value="13.5"/> <input type="text" value="ft^3/sec"/>				
Channel Flow Status*	<input type="text" value="Base of both lower banks"/>				
Channel Alteration*	<input type="text" value="Normal pattern,channelization absent or minimal"/>				
Embeddedness*: (Only applicable to high gradient streams)	<input type="text"/>				
Frequency of Riffles*: (Only applicable to high gradient streams)	<input type="text"/>				
Stream Sinuosity*	<input type="text" value="Mild curves"/>				
Pool Variability*	<input type="text" value="Majority of small-shallow or pools absent"/>				
Predominant Stream Substrate*	<input type="text" value="Hard-pan clay or bedrock"/>				
Epifaunal Substrate / Available Cover*	<input type="text" value="Less than 10%"/>				
Sediment Deposition*	<input type="text" value="50-80%"/>				
Bank Stability*	<table border="1"><thead><tr><th>Left Bank (Facing Upstream)</th><th>Right Bank (Facing Upstream)</th></tr></thead><tbody><tr><td><input type="text" value="Stable"/></td><td><input type="text" value="Stable"/></td></tr></tbody></table>	Left Bank (Facing Upstream)	Right Bank (Facing Upstream)	<input type="text" value="Stable"/>	<input type="text" value="Stable"/>
Left Bank (Facing Upstream)	Right Bank (Facing Upstream)				
<input type="text" value="Stable"/>	<input type="text" value="Stable"/>				
Riparian Vegetation Width*	<table border="1"><thead><tr><th>Left Bank (Facing Upstream)</th><th>Right Bank (Facing Upstream)</th></tr></thead><tbody><tr><td><input type="text" value="Greater than 18 meters"/></td><td><input type="text" value="12-18 meters"/></td></tr></tbody></table>	Left Bank (Facing Upstream)	Right Bank (Facing Upstream)	<input type="text" value="Greater than 18 meters"/>	<input type="text" value="12-18 meters"/>
Left Bank (Facing Upstream)	Right Bank (Facing Upstream)				
<input type="text" value="Greater than 18 meters"/>	<input type="text" value="12-18 meters"/>				
Bank Vegetative Protection*	<table border="1"><thead><tr><th>Left Bank (Facing Upstream)</th><th>Right Bank (Facing Upstream)</th></tr></thead><tbody><tr><td><input type="text" value="50-70%"/></td><td><input type="text" value="Greater than 90%"/></td></tr></tbody></table>	Left Bank (Facing Upstream)	Right Bank (Facing Upstream)	<input type="text" value="50-70%"/>	<input type="text" value="Greater than 90%"/>
Left Bank (Facing Upstream)	Right Bank (Facing Upstream)				
<input type="text" value="50-70%"/>	<input type="text" value="Greater than 90%"/>				
Coarse Particulate Organic Matter (CPOM):	<input type="text" value="Abundant"/>				
% of Tree Canopy Above Stream:	<input type="text" value="70"/> %				
Stream Substrate Stability:	<input type="text" value="Stable"/>				
Wadeable Substrate:	<input type="text" value="In spots"/>				

# Land Use, Pipe and Ditch Info

- Volunteer Monitoring
- Create New Reports
- Upload XML Reports
- Retrieve Saved Reports
- View Submission
- Project Management
- Pipe Ditch Inventory
- VM Reports

Admin Tools

My Account

WQX Module

## DEFAULT

Enter your pipe related data on this page. You could enter the pipe coordinates by manually entering them in the textboxes or by clicking on "Select From Map" button and selecting a point. Click "Save Pipe and Continue" to save your changes or click "Exit without saving" to go back to the previous page without saving.

NOTE: When using the Select from Map feature, enter the other data fields *after* your Lat/Long are selected otherwise your data will be lost.

## Pipe Detail

Pipe ID:	<<New>>		
Pipe Plate / NJPDES#:	23-277		
Pipe Type:	Storm Drain		
Pipe Location:	Near Stream		
Pipe Diameter:	6	in	
Location Latitude/Longitude:	Latitude: 40.1	Longitude: 74.1	Select From Map
Convert X/Y to Lat/Long:	X-Coord:	Y-Coord:	Convert
Lat/Long Selection Method:	Other		
Pipe Material:	Steel		
Pipe Flow/Appearance:	Trickle		
Is streambank at outfall eroded?:	Eroded		
Stream Channel Downstream:	Eroded		

### Observations:

rotten egg odor

### Attachments(Photos):

Attachment:  Browse...

File Desc:

Save pipe and continue

Exit without saving

# Add Biological Data

## New Jersey WQM Report - Biological Monitoring Form

**VM Group Name:** 123test      **Project Name:** PM Test Project  
**VM Group Number:** 17      **Site Name:** AN0443  
**Report Form ID:** 150213      **Waterbody:** Weamaconk Creek

### Habitat Description

**Habitat Types Present:**
 Fine Woody Debris
  Submerged Logs
  Leaf Pads
  Cobble
  Boulders  
 Coarse Gravel
  Vegetated Bank Margins
  Other

**River Bottom Composition:**  
 % Sand
  % Silt
  % Organic
  % Cobble  
 % Boulder
  % Bedrock
  % Gravel

**Fish Population:**

**Habitat Description Comments:**

### Sampling Information

**Sampling Equipment:\***

**Macroinvertebrate Data:\*** Enter data by: (Select one of the following)

### Macroinvertebrate Datasheet

\*\*Macroinvertebrate without count will be removed when saving.

Family	Genus/Species	Family Tolerance Value	Count
Paludicellidae	Paludicella	7	<input type="text" value="19"/>
Elmidae	Dubiraphia	4	<input type="text" value="13"/>
Coenagrionidae	Ischnura	9	<input type="text" value="12"/>
Chironomidae	Tribelos	6	<input type="text" value="12"/>
Chironomidae	Calopsectra	6	<input type="text" value="6"/>
Fredericellidae	Fredericella	2	<input type="text" value="6"/>
Caenidae	Caenis	7	<input type="text" value="3"/>
Tubificidae	Limnodrilus	10	<input type="text" value="3"/>
Elmidae	Anonyx	4	<input type="text" value="2"/>
Chironomidae	Clinotanyus	6	<input type="text" value="2"/>
Naididae	Dero	7	<input type="text" value="7"/>

# Add Chemical Results

## Volunteer Monitoring

- Create New Reports
- Upload XML Reports
- Retrieve Saved Reports
- View Submission
- Project Management
- Pipe/Ditch Inventory
- VM Reports

## Admin Tools

## My Account

## WQX Module

Select Sample ID:

### Sample Information

Sample ID\*:   
Activity Type:   
Sample Depth:   
Sample Depth Unit:   
Activity Comments:

Analyte Name	Qualifier	Result*	Unit*	Statistical Base Code	Result Comments	Analyte Name
Alkalinity as CaCO3	<input type="text" value="v"/>	<input type="text" value="200"/>	<input type="text" value="mg/L(ppm)"/>	<input type="text" value="v"/>	<input type="text" value="v"/>	Alkalinity as CaCO3
Escherichia coli (E.col)	<input type="text" value="&lt;"/>	<input type="text" value="20"/>	<input type="text" value="col/100ml"/>	<input type="text" value="v"/>	<input type="text" value="v"/>	Escherichia coli (E.col)
Enterococci	<input type="text" value="v"/>	<input type="text" value=""/>	<input type="text" value="v"/>	<input type="text" value="v"/>	<input type="text" value="v"/>	Enterococci
Fecal coliform	<input type="text" value="v"/>	<input type="text" value=""/>	<input type="text" value="v"/>	<input type="text" value="v"/>	<input type="text" value="v"/>	Fecal coliform
Total coliform	<input type="text" value="v"/>	<input type="text" value=""/>	<input type="text" value="v"/>	<input type="text" value="v"/>	<input type="text" value="v"/>	Total coliform
...	<input type="text" value="v"/>	<input type="text" value=""/>	<input type="text" value="v"/>	<input type="text" value="v"/>	<input type="text" value="v"/>	...

# NJ GeoWeb

# Access from DEP Web page

NJ Home | Services A to Z | Departments/Agencies | FAQs

Search

 STATE OF NEW JERSEY  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**





About DEP | Index by Topic | Programs & Units

- Air Information
- Water Information
- Land & Open Space
- Site Cleanups
- Waste Management
- Parks & Forests
- Fish & Wildlife
  - Climate Change
  - Education
  - Enforcement
  - Environmental Justice
  - Highlands
  - Historic Preservation
    - Pesticides
    - Radiation Protection
    - Recycling
    - School Facilities
    - Stewardship
    - Sustainable Planning
  - Citizen
  - Business
  - Calendar
- Information Tools
  - DEP Online
  - i-Map NJ**
  - Data Miner
  - Public Records (OPRA)
  - GIS Data



**It rocks!**

Make any weekend especially memorable with a visit to [historic Walt Whitman House](#), the only home ever owned by [celebrated poet](#) Walt Whitman. Featuring many of Whitman's personal belongings, including his rocking chair and boots, the modest dwelling on Camden's Mickie Street just received prestigious "Literary Landmark" status from the [New Jersey Center for the Book](#).

**1-877-WARN DEP Hotline**

**Today's Air Quality**

**Commissioner Mark N. Mauriello**

 **DEP Commissioner**  
401 E. State St.  
7th Floor, East Wing  
P.O. Box 402  
Trenton, NJ 08625-0402

**Featured Topics**

- H1N1 Information
- Water Quality Data Exchange Submittal System Now Available to Public
  - Fact Sheet (pdf)
  - Go to NJDEP Online
- Site Remediation Reform
- Municipal Stormwater Status Report Summary (pdf)
- Local Government Greenhouse Gas Reduction Grant Program
- Status of ARRA Project Reviews
- DEP Focus newsletter
- Fine Particulate Matter - State Implementation Plan, Final Revision
- Calculate Your Carbon Footprint
- Permit Efficiency Review Task Force
  - Final Report (pdf)
  - Implementation Plan Status Report

**News Releases**  RSS

# Links for Tutorials, Demos and Launch

The screenshot shows the NJ-GeoWeb website with several callout boxes:

- Left Navigation Menu:**
  - NJ-GeoWeb Home
  - LAUNCH NJ-GeoWeb
  - View the TUTORIALS
  - Read the DISCLAIMER
  - CONTACT US
  - TRAINING
- Welcome to NJ-GeoWeb:** NJDEP's "next generation" environmental mapping tool.
- Profile Selection:** Callout boxes for **GeoWeb Profile**, **Well Drillers Profile**, and **Volunteer Water Monitoring Profile**.
- Well Drillers Profile Description:** "query the best of the em (GIS) data. NJ-DEP Data Miner to data related to selected features appearing on the map."
- Volunteer Water Monitoring Profile Description:** "There are profiles for Well Drillers, Volunteer Water Monitoring contributors, and a one size fits all profile called GeoWeb. The GeoWeb profile was developed to allow users to explore a location or area of interest and view and query a great number of mapped environmental layers. It has NJDEP's greatest hits that are currently included in i-MapNJ DEP."
- Future Updates:** "NJ-GeoWeb will make the i-MapNJ series obsolete in the future. More profiles and map layers will be added to NJ-GeoWeb and existing tools will be enhanced. We aim to make the user's experience a positive one as we follow up with new releases."
- Feedback:** "We would very much like to hear from you with any comments you may have." (with email icon)
- Awards:** "NJDEP wins award for NJ-GeoWeb: 1st Place Web-Based Application at the 2009 ESRI International User Conference. View details." (with 1st place ribbon icon)
- Tutorials Section:** "View the Tutorials" with a sub-section "To become familiar with the new interface and the powerful new tools it possesses, we recommend that users: Watch the NJ-GeoWeb Demo and Review the Tutorials" (with map screenshot icon).
- Launch Section:** "To use NJ-GeoWeb, Select a profile and click the Launch button." (with dropdown menu showing "GeoWeb" and a "Launch" button).
- Training Section:** "Sign up for NJ-GeoWeb Training" with the text "Visit our training page to sign up for NJ-GeoWeb training."

# Current GeoWeb Profile

The screenshot displays the GeoWeb interface for the 'Volunteer\_Water\_Monitoring' profile. The main map area shows the outline of New Jersey, divided into its 21 counties: Sussex, Passaic, Warren, Morris, Bergen, Essex, Hudson, Union, Hunterdon, Somerset, Middlesex, Mercer, Monmouth, Burlington, Ocean, Gloucester, Camden, Salem, Cumberland, Atlantic, and Cape May. The map is surrounded by neighboring states: Pennsylvania to the west, Delaware to the south, and New York and Connecticut to the east. A scale bar at the bottom left indicates a scale of 1:1,398,600.00. The interface includes a 'Map Tools' panel on the left with various navigation icons, and two panels on the right: 'Layer Manager' and 'Advanced Tools'. The 'Layer Manager' panel is active, showing a list of layers with checkboxes. The 'Advanced Tools' panel is also visible, listing tools like Selection, Measure, Buffer Selections, and Locate Point Using NJ State Plane Coordinate.

**Layer Manager**

Notes: To view additional layers, click the "+" sign. For more functionality, Right Click on the layer's name.

Apply

Environmental Data

- Environmental Monitoring
  - Volunteer Water Monitoring Stations
  - Ambient Biomonitoring Network (AMNET)
  - Fish Index Of Biotic Integrity
  - Shellfish Classification
- Sites and Facilities
  - NJEMS Sites
  - Known Contaminated Sites List
  - Groundwater Contamination Areas (CKE)
  - Groundwater Contamination Areas (CEA)
  - Deed Notice Areas
- Water
- Land
- Base Layers

**Advanced Tools**

- Selection
- Measure
- Buffer Selections
- Locate Point Using NJ State Plane Coordinate

Scale 1: 1,398,600.00

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# Search for Monitoring Locations

Map Search

Address Search County Municipality VWM Stations by Water Body All Searches

**VWM Stations by Water Body**

Select a Water Body: [help](#)

Water Body West Creek Clear

- Indian Run
- Ingersolls Branch
- Johnson Mill Pond Outfall
- Lake Nummy
- Little Creek
- Little Creek 77536
- Little Creek Tributary
- Lummis Mill Pond-Carrington's
- Maple Run
- Maurice River
- Mill Branch
- Mill Creek
- Mingamahone Brook
- Mullica River
- Muskee Creek
- Outfall of Johnson Pond
- Parvin Branch
- Patcong Creek
- Pond Run
- Rattlesnake Gut
- Savages Run
- Savages Run (Lake Nummy C
- Tarklin Branch
- UNT into Mill Creek
- UNT to Sluice Creek
- Un-named trib. to un-named
- West Creek
- West Creek (Hoffman's Mill P
- White Marsh Run
- barton run

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# See Locations on Screen

The screenshot displays a web-based GIS application interface. The main map area shows a satellite-style view of a forested region with a large blue lake at the bottom. Two monitoring stations are highlighted with blue numbers: '1' is located near the lake, and '2' is located in the upper left. The interface includes a top navigation bar with 'Map', 'Search', and 'Results' tabs. Below this is a 'GeoWeb' header and a 'Volunteer\_Water\_Monitoring' title. On the left is a 'Map Tools' toolbar. At the bottom left, a scale bar indicates 'Scale 1: 10681.63'. On the right side, there are three panels:

- Layer Manager:** Contains a note about viewing additional layers and an 'Apply' button. It lists several layers with checkboxes:
  - Environmental Data
    - Environmental Monitoring
      - Volunteer Water Monitoring Stations
      - Ambient Biomonitoring Network (AMNET)
      - Fish Index Of Biotic Integrity
      - Shellfish Classification
    - Sites and Facilities
      - NJEMS Sites
      - Known Contaminated Sites List
      - Groundwater Contamination Areas (CKE)
      - Groundwater Contamination Areas (CEA)
      - Deed Notice Areas
    - Water
    - Land
    - Base Layers

- Advanced Tools:** Lists tools such as Selection, Measure, Buffer Selections, and Locate Point Using NJ State Plane Coordinate.
- Selection List:** Shows a list of selected 'Volunteer Water Monitoring Stations'. It includes a 'Check All' button and two items:
- 1  871 - WC001 West Creek
- 2  2381 - WA080765BThe total count is 'Total: 2 items'.

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# See Info for a Location

The screenshot displays a web-based GIS application interface. At the top, there are tabs for 'Map', 'Search', and 'Results'. Below these, the browser address bar shows 'GeoWeb Volunteer\_Water\_Monitoring'. The main map area shows a satellite view of a landscape with a blue water body. A popup window titled 'More Information' is open, displaying details for a 'Volunteer Water Monitoring Station'. The popup includes a table of attributes and a list of reports. To the right of the map, there are three panels: 'Layer Manager', 'Advanced Tools', and 'Selection List'. The 'Layer Manager' panel shows a tree view of layers including 'Environmental Monitoring', 'Sites and Facilities', 'Water', 'Land', and 'Base Layers'. The 'Advanced Tools' panel lists tools like 'Selection', 'Measure', 'Buffer Selections', and 'Locate Point Using NJ State Plane Coordinate'. The 'Selection List' panel shows a list of selected features, including '871 - WC001 West Creek' and '2381 - WAO80765B'.

**More Information**

Attribute Details For: Volunteer Water Monitoring Stations

Select Reports: Basic Report (CSV) [View]

1 features found. Displaying 1 to 1

Attribute	Value
Station Code	871
Site Name	WC001 West Creek
Site Description	Opposite of Hands Mill Pond/ Rt. 347 - 550 Spur
Station Type	Waterbody
Location Method	GPS
Date Modified	1/29/2009 12:00:00 AM
Watershed Management Area	16
Water Body	West Creek
Stream Gradient	Low
Volunteer Monitoring Group	NJDEP, NJ Watershed Ambassador Prog
Project Tier	B
NJSPC Easting (X)	378215
NJSPC Northing (Y)	149267
Latitude	39.2425
Longitude	-74.902216

Reports

- WWM Chemical Results Report (DEP Data Miner) [View]
- WWM Common Name Macroinvertebrate Results (DEP Data Miner) [View]
- WWM Scientific Name Macroinvertebrate Results [View]

**Layer Manager**

Notes: To view additional layers, click the "+" sign. For more functionality, Right Click on the layer's name.

[Apply]

**Environmental Data**

- Environmental Monitoring
  - Volunteer Water Monitoring Stations
  - Ambient Biomonitoring Network (AMNET)
  - Fish Index Of Biotic Integrity
  - Shellfish Classification
- Sites and Facilities
  - NJEMS Sites
  - Known Contaminated Sites List
  - Groundwater Contamination Areas (CKE)
  - Groundwater Contamination Areas (CEA)
  - Deed Notice Areas
- Water
- Land
- Base Layers

**Advanced Tools**

- Selection
- Measure
- Buffer Selections
- Locate Point Using NJ State Plane Coordinate

**Selection List**

Volunteer Water Monitoring Stations

- Check All
- 1  871 - WC001 West Creek
- 2  2381 - WAO80765B

Total: 2 items

Scale 1: 10681.63

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# Link to Data Miner Report

## Common Name Macroinvertebrate Results Searchable by Station ID

Run At: 11/18/09 1:14 PM

[Note: For Quality Assurance Projects Plan or study design, click project links below](#)

VWM-871

<a href="#">Project: NJWAP 2007-2008 (ID: VWM-28)</a>	Project Tier: B	Station: WC001 West Creek	VM Group: NJDEP, NJ Watershed Ambassador Frog	Water Body Name: West Creek
Watershed: WMA 18	County: Cape may	Latitude: 39.24235	Longitude: -74.902083	Activity Date: 07/30/08
Sample Equipment: Dip Net			Submission Date: 10/07/08	
Macroinvertebrate Comments:			Submission ID: 17919	

Common Name	Number of Individuals	Sensitivity	% Abundance
Scuds	1	Somewhat tolerant/intolerant species	25.00 %
Dragonfly larvae	3	Somewhat tolerant/intolerant species	75.00 %
Totals	4		Sum: 100%

[Macroinvertebrate Results](#) [Pollution Tolerance Chart](#)

# View Results on Screen

## Chemical Readings by Watershed and Tier

Run At: 09/11/08 1:26 PM

Note: For Quality Assurance Projects Plan or study design, click project links below

<a href="#">Project: Adopt Loantaka Brook (ID: 8)</a>	Project Tier: D	Station: LB4	VM Group: Great Swamp Watershed Association	Water Body Name: Loantaka Brook
Watershed: WMA 6	County: Morris	Latitude: 40.773636	Longitude: -74.463322	Activity Date: 02/07/05
Sample Equipment: Dip Net			Submission Date: 05/22/07	
Sample Comments:			Submission ID: 1106	

Date	Parameter	Chemical Qualifier	Result	Units	Statistical Base Code	Chemical Result Comments	Submission Information
2/7/2005	Alkalinity as CaCO3		113	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>
2/7/2005	Calcium		62	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>
2/7/2005	Chloride		343	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>
2/7/2005	Kjeldahl nitrogen - total		0.37	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>
2/7/2005	Magnesium		21	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>
2/7/2005	Nitrogen, Nitrate Total (as N)		5.2	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>
2/7/2005	Nitrogen, Nitrite Total (as N)		0.129	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>
2/7/2005	Phosphorus, Total (as P)		0.29	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>
05/22/07	Residue - Chloride		113	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>

# NJDEP Data Miner

# Access from DEP Web page

NJ Home | Services A to Z | Departments/Agencies | FAQs

Search

 STATE OF NEW JERSEY  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**





About DEP | Index by Topic | Programs & Units

- Air Information
- Water Information
- Land & Open Space
- Site Cleanups
- Waste Management
- Parks & Forests
- Fish & Wildlife
  - Climate Change
  - Education
  - Enforcement
  - Environmental Justice
  - Highlands
  - Historic Preservation
    - Pesticides
    - Radiation Protection
    - Recycling
    - School Facilities
    - Stewardship
    - Sustainable Planning
  - Citizen
  - Business
  - Calendar
- Information Tools
  - DEP Online
  - i-Map NJ
  - Data Miner**
  - Public Records (OPRA)
  - GIS Data



**It rocks!**

Make any weekend especially memorable with a visit to [historic Walt Whitman House](#), the only home ever owned by celebrated poet Walt Whitman. Featuring many of Whitman's personal belongings, including his rocking chair and boots, the modest dwelling on Camden's Mickie Street just received prestigious "Literary Landmark" status from the [New Jersey Center for the Book](#).

**1-877-WARN DEP Hotline**

**Today's Air Quality**

**Commissioner Mark N. Mauriello**

 **DEP Commissioner**  
401 E. State St.  
7th Floor, East Wing  
P.O. Box 402  
Trenton, NJ 08625-0402

**Featured Topics**

- H1N1 Information
- Water Quality Data Exchange Submittal System Now Available to Public
  - Fact Sheet (pdf)
  - Go to NJDEP Online
- Site Remediation Reform
- Municipal Stormwater Status Report Summary (pdf)
- Local Government Greenhouse Gas Reduction Grant Program
- Status of ARRA Project Reviews
- DEP Focus newsletter
- Fine Particulate Matter - State Implementation Plan, Final Revision
- Calculate Your Carbon Footprint
- Permit Efficiency Review Task Force
  - Final Report (pdf)
  - Implementation Plan Status Report

News Releases  RSS

# Many Reports



## Volunteer Water Monitoring

- [Analyte Statistics by Waterbody and Tier](#)  
This report compares analyte levels recorded over time for selected waterbodies.
- [Chemical Readings by Organization and Tier](#)  
Displays the Chemical data associated with particular Organization and tier. User is prompted to select an Organization and one or more project tiers.
- [Chemical Readings by Waterbody and Tier](#)  
Displays the Chemical data associated with a particular waterbody and tier. User is prompted to select waterbodies and one or more project tiers.
- [Chemical Readings by Watershed and Tier](#)  
Displays the Chemical data associated with particular watershed and tier. User is prompted to select watersheds and one or more project tiers.
- [Common Name Macroinvertebrate Results Searchable by Organization](#)  
Displays the common Macroinvertebrate data by Organization.
- [Common Name Macroinvertebrate Results Searchable by Waterbody](#)  
Displays the common Macroinvertebrate data by Waterbodies.
- [Common Name Macroinvertebrate Results Searchable by Watershed](#)  
Displays the common Macroinvertebrate data by Watersheds.
- [Land Use Assessment](#)  
Displays the Land Use Assessment data by Organization.
- [Pipe and Drainage Ditch Inventory Assessment by Organization](#)  
Displays the Pipe and Drainage Ditch inventory data by Organization.
- [Scientific Macroinvertebrate Results Searchable by Organization](#)  
Displays the scientific Macroinvertebrate data by Organization.
- [Scientific Macroinvertebrate Results Searchable by Waterbody](#)  
Displays the scientific Macroinvertebrate data by Waterbody.
- [Scientific Macroinvertebrate Results Searchable by Watershed](#)  
Displays the scientific Macroinvertebrate data by Watershed.
- [Submission Report by Submission ID](#)  
This report displays information submitted to the DEP based on Submission ID.
- [Visual Habitat Assessment by Organization](#)  
Displays Visual Habitat and Stream Measurement results by Organization.

# Specify Search Criteria

njhome | my new jersey | people | business | government | departments

new jersey njdep  
department of environmental protection  
OPRA | New Jersey  
Open Public Records Act

opra home | contact opra | njdep home

site search reports by category reports search help

### Chemical Readings by Waterbody and Tier

**Enter Begin Date:** 6/11/2008

**Enter End Date:** 9/11/2008

**Select 1 or more Waterbodies:**

- Alloway Creek - WMA 17
- Ambrose - WMA 9
- Ambrose Brook - WMA 9
- Ambrose Brook - WMA 9
- Ambrose Brook 2 - WMA 9
- Ash Brook - WMA 7

**Select 1 or more tiers:**

- A
- B
- C
- D

OK CANCEL

Please be advised that the broader the search criteria, the longer the retrieval time.

Done Internet

# View Results on Screen

## Chemical Readings by Watershed and Tier

Run At: 09/11/08 1:26 PM

[Note: For Quality Assurance Projects Plan or study design, click project links below](#)

<a href="#">Project: Adopt Loantaka Brook (ID: 8)</a>	Project Tier: D	Station: LB4	VM Group: Great Swamp Watershed Association	Water Body Name: Loantaka Brook
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Sample Equipment: Dip Net			Submission Date: 05/22/07	
Sample Comments:			Submission ID: 1106	

Date	Parameter	Chemical Qualifier	Result	Units	Statistical Base Code	Chemical Result Comments	Submission Information
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2/7/2005	Chloride		343	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>
2/7/2005	Kjeldahl nitrogen - total		0.37	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>
2/7/2005	Magnesium		21	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>
2/7/2005	Nitrogen, Nitrate Total (as N)		5.2	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>
2/7/2005	Nitrogen, Nitrite Total (as N)		0.129	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>
2/7/2005	Phosphorus, Total (as P)		0.29	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>
05/22/07	Residue - Chlorophyll a		0.00	µg/L	Actual		 <a href="#">Chemical Detail</a>

# Chemical Results

## Chemical Readings by Watershed and Tier

Run At: 09/11/08 1:26 PM

Note: For Quality Assurance Projects Plan or study design, click project links below

<a href="#">Project: Adopt Loantaka Brook (ID: 8)</a>	Project Tier: D	Station: LB4	YM Group: Great Swamp Watershed Association	Water Body Name: Loantaka Brook
Watershed: WMA 6	County: Morris	Latitude: 40.773636	Longitude: -74.463322	Activity Date: 02/07/05
Sample Equipment: Dip Net			Submission Date: 05/22/07	
Sample Comments:			Submission ID: 1106	

Date	Parameter	Chemical Qualifier	Result	Units	Statistical Base Code	Chemical Result Comments	Submission Information
2/7/2005	Alkalinity as CaCO3		113	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>
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2/7/2005	Kjeldahl nitrogen - total		0.37	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>
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2/7/2005	Nitrogen, Nitrite Total (as N)		0.129	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>
2/7/2005	Phosphorus, Total (as P)		0.29	mg/L(ppm)	Actual		 <a href="#">Chemical Detail</a>
	Residue -						

# Biological Results

## Scientific Macroinvertebrate Results Searchable by Waterbody

Run At: 09/11/08 1:28 PM

[Note: For Quality Assurance Projects Plan or study design, click project links below](#)

<a href="#">Project: Biological 2004 (ID: 31)</a>	Project Tier: D	Station: Site 1 Turkey Brook	VM Group: South Branch Watershed Assoc	Water Body Name: South Branch Raritan River
Watershed: WMA 8	County: Morris	Latitude: 40.837475	Longitude: -74.743401	Activity Date: 06/28/04
Sample Equipment: Kick Net			Submission Date: 03/17/08	
Macroinvertebrate Comments:			Submission ID: 10631	

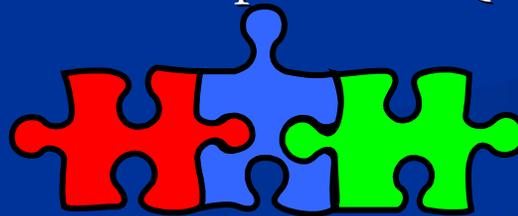
Genus Name	Genus Tolerance Value	Number of Individuals
Rheotanytarsus	6	20
Ceratopsyche sparna	4	18
Stenelmis orenata	4	10
Optiosenus	4	8
Polypedilum	8	8
Acroneuria	1	6
Perlesta	1	6
Ceratopsyche bronta	4	4
Cheumatopsyche	4	4
Gammarus fasciatus	4	4
Nigronia serricornis	0	4
Stenonema	4	4
Antocha	3	3
Hydropsyche betteni	4	3
Promoresia tardella	4	3
Ceratopsyche morosa	4	2

# Coming Attractions

2010

# Data Discovery Solutions from WQDE

- **Inventory:** Discover projects with data not currently on a DEP or Federal data system. Also, provide access to data only on the DEP system that has not been sent to EPA
- **USGS/NWIS web services:** NJDEP will build an application to get data from the USGS web services and make that data available to the user's desktop in a WQDE compliant format.
- **EPA's WQX web services:** NJDEP will build an application to get data from EPA's WQX web service and make that data available to the user's desktop in a WQDE compliant format



# An Improved Version of NJ-GeoWeb

The screenshot displays the NJ-GeoWeb web application interface. At the top left, the logo reads "NJ-GeoWeb" with "new jersey nidep department of environmental protection" below it. A toolbar labeled "Layers and Advanced Tools" contains various navigation and tool icons. Below this is a "Map Content" panel with a tree view under "Environmental Data" including "Environmental Monitoring", "Sites and Facilities", "Planning Areas", "Landscape/Natural Heritage", "Historic Areas", "Water", "Land", "Parcels", and "Base Layers". A central map shows the outline of New Jersey with county names: SUSSEX, PASSAIC, WARREN, MORRIS, BERGEN, ESSEX, UNION, HUDSON, SOMERSET, MIDDLESEX, HUNTERDON, MERCER, MONMOUTH, BURLINGTON, OCEAN, CAMDEN, GLOUCESTER, SALEM, ATLANTIC, CUMBERLAND, and CAPE MAY. Neighboring states (Pennsylvania, New York, Connecticut, Maryland, Delaware) are also labeled. A scale bar indicates 0 to 13 miles. The bottom of the map area contains the text "Copyright © NIDEP, State of New Jersey, 2009". On the right side, there is a "Theme" dropdown set to "Desert" and a "Search" panel with a list of search criteria: Address, County, Municipality, Place, ZIP Code, Watershed Management Area, Watershed/Sub-watershed, NJEMS Site, NJEMS Sites in an Area of Interest, VWM Stations by WMA/Watershed/Sub-watershed, VWM Stations by Water Body, Well Program Grid, and Results. The bottom status bar shows "Done", "Local intranet", and "100%" zoom.

# Zoom Into An Area

The screenshot displays the NJ-GeoWeb web application interface. At the top, the logo reads "NJ-GeoWeb" with "new jersey" and "NJDEP department of environmental protection" below it. A toolbar contains various navigation icons. The "Layers and Advanced Tools" section on the left includes a "Map Content" panel with a tree view under "Environmental Data". The "Work With Map" section at the bottom left has "Selection" and "Mark It" options. The central map shows the outline of New Jersey with counties labeled: Pennsylvania, WARREN, MORRIS, HUNTERDON, and SOMERSET. A red rectangular box highlights a specific area on the map. A scale bar indicates 0 to 2 miles, and the copyright notice "Copyright © NJDEP, State of New Jersey, 2009" is visible. On the right, a "Search" panel lists various search criteria, and the "Theme" is set to "Desert". The Windows taskbar at the bottom shows "Done" and "Local intranet".

**NJ-GeoWeb** new jersey NJDEP department of environmental protection

Layers and Advanced Tools

Map Content

\* Right-click a layer for more functions

▼ Environmental Data

- ✓ Environmental Monitoring
  - Air Monitoring Stations
  - Ambient Biomonitoring Network (AMN)
  - Shellfish Classification
  - Volunteer Water Monitoring Stations
  - Fish Index of Biotic Integrity
  - NJ WQDE Water Quality Monitoring
  - NJ STORET Water Quality Monitoring
  - EPA STORET Water Quality Monitoring
  - USGS NWIS Water Quality Monitoring
- ✓ Sites and Facilities
- ✓ Planning Areas
- ✓ Landscape/Natural Heritage
- ✓ Historic Areas

Apply

Work With Map

- Selection
- Mark It

GeoWeb Water\_Quality Volunteer\_Water\_Monitoring Well\_Driller Tidelands Geology

Theme: Desert

Search

- Address
- County
- Municipality
- Place
- ZIP Code
- Watershed Management Area
- Watershed/Sub-watershed
- NJEMS Site
- NJEMS Sites in an Area of Interest
- VWM Stations by WMA/Watershed/Sub-watershed
- VWM Stations by Water Body
- Well Program Grid
- Results

0 2mi

Copyright © NJDEP, State of New Jersey, 2009

Done Local intranet 10

# Display Monitoring Locations

The screenshot displays the NJ-GeoWeb web application interface. At the top, the logo for NJ-GeoWeb is shown alongside the New Jersey Department of Environmental Protection (NJDEP) branding. Below the header is a toolbar with various navigation and tool icons. The main map area shows a geographic region with numerous monitoring locations marked by blue squares and stars. The map includes labels for 'Pennsylvania' to the west and several municipalities: 'WARREN', 'HUNTERDON', 'MORRIS', and 'SOMERSET'. A scale bar at the bottom left of the map indicates a distance of 2 miles. The copyright notice at the bottom of the map reads 'Copyright © NJDEP, State of New Jersey, 2009'.

**Map Content**

\* Right-click a layer for more functions

- Environmental Data
  - Environmental Monitoring
    - Air Monitoring Stations
    - Ambient Biomonitoring Network (AMN)
    - Shellfish Classification
    - Volunteer Water Monitoring Stations
    - Fish Index of Biotic Integrity
    - NJ WQDE Water Quality Monitoring
    - NJ STORET Water Quality Monitoring
    - EPA STORET Water Quality Monitoring
    - USGS NWIS Water Quality Monitoring
  - Sites and Facilities

**Work With Map**

- Selection
- Mark It

**Search**

Theme: Desert

Address  
County  
Municipality  
Place  
ZIP Code  
Watershed Management Area  
Watershed/Sub-watershed  
NJEMS Site  
NJEMS Sites in an Area of Interest  
VWM Stations by WMA/Watershed/Sub-watershed  
VWM Stations by Water Body  
Well Program Grid  
Results

# Get Info About a Location

The screenshot displays the NJ-GeoWeb interface. The top left shows the logo for the New Jersey Department of Environmental Protection. The main area is divided into several panels:

- Map Content:** A tree view under "Environmental Data" with "USGS NWIS Water Quality Monitoring" selected.
- More Information:** A dropdown menu set to "USGS NWIS Water Quality Monitoring Stations" and a message "1 features found. Displaying 1 To 1".
- Attribute Details:** A table with the following data:

Attribute	Value
Organization Identifier	USGS-NJ
Organization Name	USGS New Jersey Water Science Center
Monitoring Location Identifier	01446995
Monitoring Location Name	Delaware River at US Route 22 at Phillipsburg NJ
Monitoring Location Type	Stream
Monitoring Location Description	FLOOD WARNING RADAR GAGE ON DSS OF BRIDGE
HUC8	02040105
Drainage Area Value	4,717.00
Drainage Area Unit	sq mi
Contrib Drainage Area Value	
Contrib Drainage Area Unit	
Latitude	40.6944444
Longitude	-75.2033333
Horizontal Accuracy Value	1.00
Horizontal Accuracy Unit	seconds
Horizontal Collection Method	Interpolated from map
Horizontal Coord Ref Sys Datum	NAD83
Vertical Value	157
Vertical Unit	feet
Vertical Accuracy Value	1.00
Vertical Accuracy Unit	feet
- Search:** A list of search criteria including Address, County, Municipality, Place, ZIP Code, Watershed Management Area, etc.

The bottom of the interface shows a status bar with "Copyright © NJDEP, State of New Jersey, 2009" and a taskbar with "Local intranet".

# Click on Link for Data

**NJ-GeoWeb** new jersey department of environmental protection

Layers and Advanced Tools

**Map Content**  
\* Right-click a layer for more functions

- Environmental Data
  - Environmental Monitoring
    - Air Monitoring Stations
    - Ambient Biomonitoring Network (AMN)
    - Shellfish Classification
    - Volunteer Water Monitoring Stations
    - Fish Index of Biotic Integrity
    - NJ WQDE Water Quality Monitoring
    - NJ STORET Water Quality Monitoring
    - EPA STORET Water Quality Monitoring
    - USGS NWIS Water Quality Monitoring
  - Sites and Facilities

Apply

**Work With Map**  
Selection  
Mark Up

**More Information**

Contrib Drainage Area Value	
Contrib Drainage Area Unit	
Latitude	40.6944444
Longitude	-75.2033333
Horizontal Accuracy Value	1.00
Horizontal Accuracy Unit	seconds
Horizontal Collection Method	Interpolated from map
Horizontal Coord Ref Sys Datum	NAD83
Vertical Value	157
Vertical Unit	feet
Vertical Accuracy Value	1.00
Vertical Accuracy Unit	feet
Vertical Collection Method	Unknown
Vertical Coord Ref Sys Datum	NGVD29
Aquifer Name	
Formation Type	
Aquifer Type	
Construction Date	
Well Depth Value	
Well Depth Unit	
Well Hole Depth Value	
Well Hole Depth Unit	

Documents

- USGS NWIS WQ Samples  
[http://nwis.waterdata.usgs.gov/nwis/nwisman/?site\\_no=01446995&agency\\_cd=USGS](http://nwis.waterdata.usgs.gov/nwis/nwisman/?site_no=01446995&agency_cd=USGS)

Copyright © NJDEP, State of New Jersey, 2009

Theme: Desert

**Search**

- Address
- County
- Municipality
- Place
- ZIP Code
- Watershed Management Area
- Watershed/Sub-watershed
- NJEMS Site
- NJEMS Sites in an Area of Interest
- VWM Stations by WMA/Watershed/Sub-watershed
- VWM Stations by Water Body
- Well Program Grid
- Results

Done Local intranet 10

# View the Data from External Data Sources

USGS \*\* USGS 01446995 Delaware River at US Route 22 at Phillipsburg NJ - Windows Internet Explorer

http://nwis.waterdata.usgs.gov/nwis/nwisman/?site\_no=01446995&agency\_cd=USGS

File Edit View Favorites Tools Help

USGS \*\* USGS 01446995 Delaware River at US Route...

## National Water Information System: Web Interface

USGS Water Resources (Cooperator Access)

Data Category: Site Information Geographic Area: United States GO

[News](#) New [Mapper](#) and [Experimental Real-Time Web Service](#) - updated August 2009

### USGS 01446995 Delaware River at US Route 22 at Phillipsburg NJ

Available data for this site SUMMARY OF ALL AVAILABLE DATA GO

#### Stream Site

**DESCRIPTION:**  
Latitude 40°41'40", Longitude 75°12'12" NAD83  
Warren County, New Jersey, Hydrologic Unit 02040105  
Drainage area: 4,717 square miles  
Datum of gage: 155.4 feet above sea level NGVD29.

**AVAILABLE DATA:**

Data Type	Begin Date	End Date	Count	
<a href="#">Real-time</a>	-- Previous 60 days --			
<a href="#">Peak streamflow</a>	1955-08-19	2008-03-09	4	
Additional Data Sources		Begin Date	End Date	Count
<a href="#">Annual Water-Data Report (pdf)</a> **offsite**	2006	2008	3	

**OPERATION:**  
Record for this site is maintained by the USGS New Jersey Water Science Center  
Email questions about this site to [New Jersey Water Science Center Water-Data Inquiries](#)

[Questions about sites/data?](#)  
[Feedback on this web site](#)  
[Automated retrievals](#)

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[News](#)

Internet 100%

# Water Quality Monitoring Inventory

- Water monitoring data for New Jersey waters was integrated and normalized under a common schema – WQDE.
  - WQDE schema is an extension of WQX schema. Captures additional information e.g. allows more detailed project descriptions.
- Data is made available to decision makers, planners, researchers and the public.

# Inventory Features

- Provides a single web interface for multi-media searches.
- Search for water quality monitoring data:
  - Includes search and retrieval capabilities for data from USGS, EPA and WQDE
  - Includes a search for project descriptions for organizations that register with WQDE and have their data available on another system (NWIS, STORET, etc)
- Any organization can join or search the Inventory.

# Query using Data Miner

Please reply to all prompt(s) before running the query:

Analysis Method Type?  
Experimental  
Standard

Analysis Type Category?  
Biological  
Chemical/physical  
Habitat  
Microbiological/pathogenic  
Radiological

Analysis Type Sub Category?  
Metals  
None - Habitat  
None - Microbiological/pathogenic  
None - Radiological  
Nutrients  
Other

Monitoring Frequency?  
Annually  
Continuous  
Daily  
Monthly  
Once  
Other

Salinity Category Text?  
Brackish  
Fresh  
Saline

Sample Basis Type?  
Dry  
Neither  
Wet

Sample Media Type?  
Other  
Sediment  
Soil  
Tissue  
Waste  
Water

Sampling Season?  
Fall  
Spring  
Summer  
Winter  
Year round

QAPP Approved Indicator?  
N  
Y

QAPP Indicator?  
N  
Y

Tidal Influence Text?  
NonTidal  
Tidal

Waterbody Type?  
Estuaries  
Ground Water  
Lakes  
Oceans  
Reservoirs  
River/Streams

Please reply to all prompt(s) before running the query.

County Name?  
BUCKS  
BURLINGTON  
CAMDEN  
CAPE MAY  
CARBON  
CHENANGO

Geographic Region Name?  
Barnegat Bay Estuary  
Coastal  
Delaware River Basin/Estuary  
Highlands  
NY/NJ Harbor Estuary  
Other

HUC Eleven Digit Code?  
02020007000  
02020007010  
02020007020  
02020007030  
02020007040  
02030101170

Locality Name?  
Byram Twp  
Caldwell Boro  
Califon Boro  
Camden City  
Cape May City  
Cape May Point Boro

Organization Type Text?  
Academic  
Consultant  
Government / County  
Government / DEP  
Government / EPA  
Government / Federal

Project Data Format?  
Electronic-by request  
Electronic-online website  
Hard Copy-by request  
NJ WQDE Data Portal  
Proprietary / Not Available  
USEPA WQX Web Services

Project Type?  
Ambient-Routine  
Ambient-Targeted  
Background Raw Water Quality  
Spill-Response  
Stormwater-Study

River Basin Name?  
Arthur Kill  
Assisicunk Crosswicks and Doctors  
Barnegat Bay  
Cape May  
Central Delaware  
Great Egg Harbor

Run Query Cancel

# View Results on Screen

Download

Project Identifier	Project Type	Project Data Format	River Basin Name	HUC Eleven Digit Code	County Name	Station Count	Project Start Date	Project End Date	Temporal Status	Sampling Season
110409	Ambient-Targeted	NJ WQDE Data Portal	Monmouth	02030105100	MONMOUTH	5-25	04/Nov/06	04/Oct/09	Completed	Fall
110409	Ambient-Targeted	NJ WQDE Data Portal	Monmouth	02030105100	MONMOUTH	5-25	04/Nov/06	04/Oct/09	Completed	Spring
110409	Ambient-Targeted	NJ WQDE Data Portal	Monmouth	02030105100	MONMOUTH	5-25	04/Nov/06	04/Oct/09	Completed	Summer
110409	Ambient-Targeted	NJ WQDE Data Portal	Monmouth	02030105100	MONMOUTH	5-25	04/Nov/06	04/Oct/09	Completed	Winter
110409	Ambient-Targeted	NJ WQDE Data Portal	Monmouth	02030105110	MONMOUTH	5-25	04/Nov/06	04/Oct/09	Completed	Fall
110409	Ambient-Targeted	NJ WQDE Data Portal	Monmouth	02030105110	MONMOUTH	5-25	04/Nov/06	04/Oct/09	Completed	Spring
110409	Ambient-Targeted	NJ WQDE Data Portal	Monmouth	02030105110	MONMOUTH	5-25	04/Nov/06	04/Oct/09	Completed	Summer
110409	Ambient-Targeted	NJ WQDE Data Portal	Monmouth	02030105110	MONMOUTH	5-25	04/Nov/06	04/Oct/09	Completed	Winter
110409	Ambient-Targeted	NJ WQDE Data Portal	Monmouth	02030105120	MONMOUTH	5-25	04/Nov/06	04/Oct/09	Completed	Fall
110409	Ambient-Targeted	NJ WQDE Data Portal	Monmouth	02030105120	MONMOUTH	5-25	04/Nov/06	04/Oct/09	Completed	Spring
110409	Ambient-Targeted	NJ WQDE Data Portal	Monmouth	02030105120	MONMOUTH	5-25	04/Nov/06	04/Oct/09	Completed	Summer
110409	Ambient-Targeted	NJ WQDE Data Portal	Monmouth	02030105120	MONMOUTH	5-25	04/Nov/06	04/Oct/09	Completed	Winter
110409	Ambient-Targeted	NJ WQDE Data Portal	Monmouth	02030105130	MONMOUTH	5-25	04/Nov/06	04/Oct/09	Completed	Fall
110409	Ambient-Targeted	NJ WQDE Data Portal	Monmouth	02030105130	MONMOUTH	5-25	04/Nov/06	04/Oct/09	Completed	Spring
110409	Ambient-Targeted	NJ WQDE Data Portal	Monmouth	02030105130	MONMOUTH	5-25	04/Nov/06	04/Oct/09	Completed	Summer
110409	Ambient-Targeted	NJ WQDE Data Portal	Monmouth	02030105130	MONMOUTH	5-25	04/Nov/06	04/Oct/09	Completed	Winter
303D-01	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	20/Jul/99		In progress-discrete	Spring
303D-02	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	19/Jul/99		In progress-discrete	Spring
303D-05	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	01/Jun/99		In progress-discrete	Spring
303D-07	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	05/Dec/00		In progress-discrete	Spring
303D-08	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	01/Mar/99		In progress-discrete	Spring
303D-09	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	15/Mar/00		In progress-discrete	Spring
303D-10	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	10/Mar/99		In progress-discrete	Spring
303D-11	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	30/Oct/00		In progress-discrete	Spring
303D-12	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	20/Oct/98		In progress-discrete	Spring
303D1315	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	24/Apr/01		In progress-discrete	Spring
303D-14	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	01/Mar/00		In progress-discrete	Spring
303D1718	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	05/Jan/00		In progress-discrete	Spring
303D-19	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	01/Aug/98		In progress-discrete	Spring
303D1998	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	08/Oct/97		In progress-discrete	Spring
303D-20	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	01/Oct/00		In progress-discrete	Spring
303D-346	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	08/Oct/97		In progress-discrete	Spring
303D-HF3	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	01/Mar/03		In progress-discrete	Spring
303D-HIQ	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	01/Oct/01		In progress-discrete	Spring
AMNETAC1	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	01/Jul/93		In progress-discrete	Spring
AMNETAC2	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	01/Jan/89		In progress-discrete	Spring
AMNETAC3	Ambient-Targeted	USEPA WQX Web Services	Walkkill		ATLANTIC	Greater Than 100	26/Oct/04		In progress-discrete	Spring

Local Intranet

# Internet Links

- NJDEP Website

<http://www.nj.gov/dep/>

- NJDEP Online

<http://njdeponline.com>

# For Further Information

- Water Monitoring Inventory

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- Volunteer Monitoring Data System

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- Water Quality Data Exchange

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