

# **EPA Grant: Tracking Mitigation Sites and Mitigation Banks in the State of NJ**



# When is mitigation required?

- All Individual Permits
- Statewide General Permits >0.10 acres
  - GP 2 underground utility lines
  - GP 4 hazardous site clean-up
  - GP 5 landfill closure
  - GP 6 non-tributary wetlands
  - GP 10A very minor road crossings
  - GP 10B minor road crossings
  - GP 11 outfalls and intake structures
  - GP 21 above ground utility lines
  - GP 27 redevelopment
- Transition Area Waivers under the IP standards N.J.A.C. 7:7A-6.3(g)

# Programmatic Needs

- Keep track of all mitigation projects and banks.
- More Accessibility to information internally and externally.
- Ability to increase transparency by providing information regarding mitigation to external stakeholders.

# EPA Region 2 Wetland Program Development Grants (WPDG)

- Provide a means for states, tribes, local governments, interstate agencies and academic institutions to carry out projects to develop and refine comprehensive wetland programs.
- 2 Tracks of funding
  - Developing a Wetland Program
  - Building or Refining a Wetland Program

# EPA Region 2 Wetland Program Development Grants (WPDG) Core Elements

- Monitoring and Assessment
- Voluntary Restoration and Protection
- Regulatory approaches including CWA 401 certification
- Wetland specific water quality standards

# Funding Request

- Migration of data from the existing WETMIT database into the Department's enterprise database NJEMS.
- Creation of a GIS Data layer detailing Mitigation Banks and their associated Service Areas as well as Mitigation Sites.

## How We did it...

- EPA WPD Grant totaling \$ 278,551.00
- 7 hourlies over the course of 3 years
- Close consultation with Office of Information Resource Management (OIRM)

Permitted projects requiring Mitigation

Permitted Activity Not Conducted

Permitted Activity conducted

Mitigation File Closed –Out  
No Further Action

Credit Purchase  
Monetary Contribution  
Restoration of Temporary Impacts  
Input to NJEMS & NOT INCLUDED IN GIS LAYER

Staff Followed –up to ensure mitigation was conducted OR under construction

If Not Conducted:  
Pursued Enforcement Action to get mitigation

If Conducted:

- File # Assigned
- Digitized
- Closed-Out

# WETMIT Database

- Silo Database
- Accessible to DLUR Mitigation Unit staff
- Supports- Single User at a time
- Limited capacity in "Search" and "Reporting" options
- Not compatible with NJEMS database

## Mitigation Form

Add Record Save

Mitigation Site Name:

PSE&G ROW 700' EAST  
OF CANTERBURY DRIVE

Mitigation Site #: 00001

DEP Mitigation Manager:

Date Started:

Date Closed:

Closest Road(s):

CANTERBURY DRIVE

Enforcement Actions:

Referred:

Resolved:

Find Mitsite by  
Permit Number:

Agent/Contact
 GIS
 Const/Mon
 Assurance
 Photos
 Council

Permit
 Event
 Issues
 Location
 MIT B/L
 Files

### Permit Information

0000-92-0027.1

Add Permit

Refresh Form

Type initial permit above or use the dropdown menu. Click "Add Permit" to add more.

Permit No.: 0000-92-0027.1

Issued Date: 3/17/1993

Project Complete:

Permitee: PASSAIC VALLEY WATER COMM.

Property Owner Name:

Address: 1525 MAIN AVENUE

WENDELL R. INHOFFER

City: CLIFTON

St: NJ

Zip: 07015

Tel: (201) 340-4300 Ext:

This permit information is read only. To access permit info for data entry:

Open the  
Permit Form

Impact Type	Class	Area
<p>CLASS / WETLAND CLASSIFICATION</p> <p>ISS / Inter/Subtidal Shallows</p> <p>PEM / Palustrine Emergent</p> <p>PFO / Palustrine Forested</p> <p>PSS / Palustrine Scrub/Shrub</p> <p>SOW / State Open Water</p> <p>TDW / Mapped 1970 Wetland</p> <p>TW / Tidal Waters</p> <p>TWU / Total Wetlands Unclassified</p> <p>WCNA / Wetlands Class Not Applicable</p>		

Record: 1 of 1

No Filter

Search

Record: 1 of 284

Unfiltered

Search

# NJEMS Database

- Accessible to Department staff and state government employees
- Accessibility by public via Dataminer
- Supports - Multiple Users at a time
- More flexibility to track and report the project's location

# Options for Mitigation

Details - MIT140001

Details for PI00640211 (COASTAL AND LAND USE):

Available Windows

- Generic NJEMS General
- Generic NJEMS Owner
- Generic NJEMS Contacts
- Generic NJEMS Comments
- Land Use General Informat
- Land Use Mitigation Info
- Requirement Profiles
- Environment Data

Mitigation Information

Type	Method	Amount Required	Amount Proposed	Amount Completed
<input type="text"/>	<input type="text"/>			
Critical Wildlife Habitat				
E & T				
Highlands - UPL Forest				
Inter/Subtidal Shallows (ISS)				
Mapped 1970 Wetlands (TDW)				
Monetary Contribution				

Number of Credits:

Dollar Amount of Contribution:

Type Of Wetlands Disturbed

Type	Method	Amount
<input type="text"/>	<input type="text"/>	

Total:

Details - MIT140001

Details for PI00640211 (COASTAL AND LAND USE):

Available Windows

- Generic NJEMS General
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- Requirement Profiles
- Environment Data

Mitigation Information

Type	Method	Amount Required	Amount Proposed	Amount Completed
<input type="text"/>	<input type="text"/>			
	Bank Credit Purchase			
	Creation			
	Enhancement			
	Habitat Preservation Off-Site			
	Habitat Preservation On-Site			
	Highlands - UPL Forest			

Banking and Monetary C

Name of Bank:

Number of Credits:

Dollar Amount of Contribution:

Type Of Wetlands Disturbed

Type	Method	Amount
<input type="text"/>	<input type="text"/>	

Total:

# Reporting of On-Site Mitigation

Details - MIT150001

Details for PI00678768 (COASTAL AND LAND USE):

Available Windows

- Generic NJEMS General
- Generic NJEMS Owner
- Generic NJEMS Contacts
- Generic NJEMS Comments
- Land Use General Informa
- Land Use Mitigation Info**
- Requirement Profiles
- Environment Data

Mitigation Information

Type	Method	Amount Required	Amount Proposed	Amount Completed
Palustrine Emergent	Creation	1.476		1.476
Palustrine Forested	Creation	1.104		1.104
Totals:		2.58		2.58

Banking and Monetary Contribution Information

Name of Bank:

Number of Credits:

Dollar Amount of Contribution:

Type Of Wetlands Disturbed

Type	Method	Amount
Palustrine Forested	Filled	1.23
Total:		1.23

Is Mitigation Site Tidal?

Mitigation Site:

Mitigation Database Ref. #:

Location of Mitigation Site

Block	Lot	County	Municipality	Off
<input type="text" value=""/>				

Credits

Credit Type:

Total Credits:

Watershed

Watershed Management Area:

Watershe (HL):

Options

# Reporting of Off-Site Mitigation

Details - MIT110001

Details for P100293477 (COASTAL AND LAND USE):

**Available Windows**

- Generic NJEMS General
- Generic NJEMS Owner
- Generic NJEMS Contacts
- Generic NJEMS Comments
- Land Use General Informat
- Land Use Mitigation Info
- Requirement Profiles
- Environment Data

**Mitigation Information**

Type	Method	Amount Required	Amount Proposed	Amount Completed
▼	▼			
<b>Totals:</b>				

**Banking and Monetary Contribution Information**

Name of Bank:

Number of Credits:

Dollar Amount of Contribution:

**Type Of Wetlands Disturbed**

Type	Method	Amount
Palustrine Forested ▼	Filled ▼	4.578
<b>Total:</b>		4.578

Is Mitigation Site Tidal? Yes ▼

Mitigation Site: Off-Site ▼

Mitigation Database Ref. #:

**Location of Mitigation Site**

Block	Lot	County	Municipality
1	23	Burlington ▼	Bass River Twp ▼

**Credits**

Credit Type	Total Credits
▼	<input style="width: 100%;" type="text"/>

**Watershed**

Watershed Management Area	Watershe (HU
▼	<input style="width: 100%;" type="text"/>

Options
OK
Cancel

# Development of GIS Layer

- Provides a visual tool (Data layer) of wetland mitigation site locations, bank locations and bank service areas.
- Available to Department staff, Federal agencies and the general public.

# Benefits of a GIS Layer

- Preventing applicants from inadvertently applying for wetlands permits for impacts to previously approved mitigation sites.
- Ensuring Department staff do not mistakenly issue permits on previously approved mitigation sites.
- Reduction in the time required by staff to locate mitigation site specific information.
- Provides a standard format for the Department to accurately account for past, present and future mitigation projects

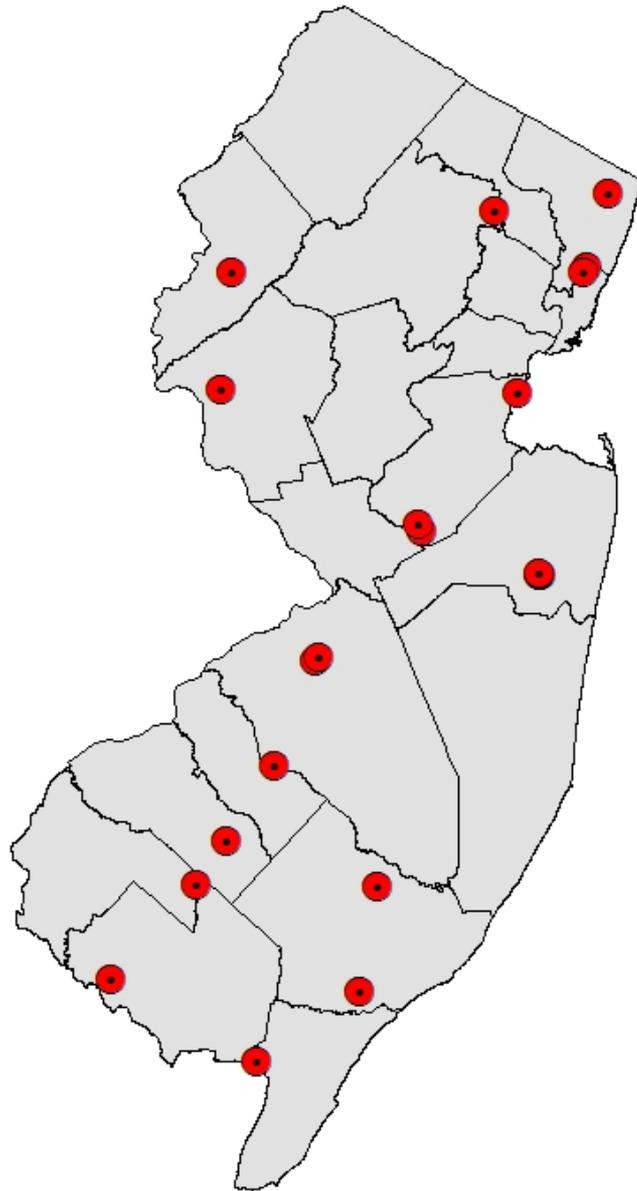
# Capabilities and Limitations

- Capabilities: available for use for Academic purposes, private industry seeking projects or conservation groups
- Limitations: All polygons are hand digitized therefore cannot be used for precise calculations.

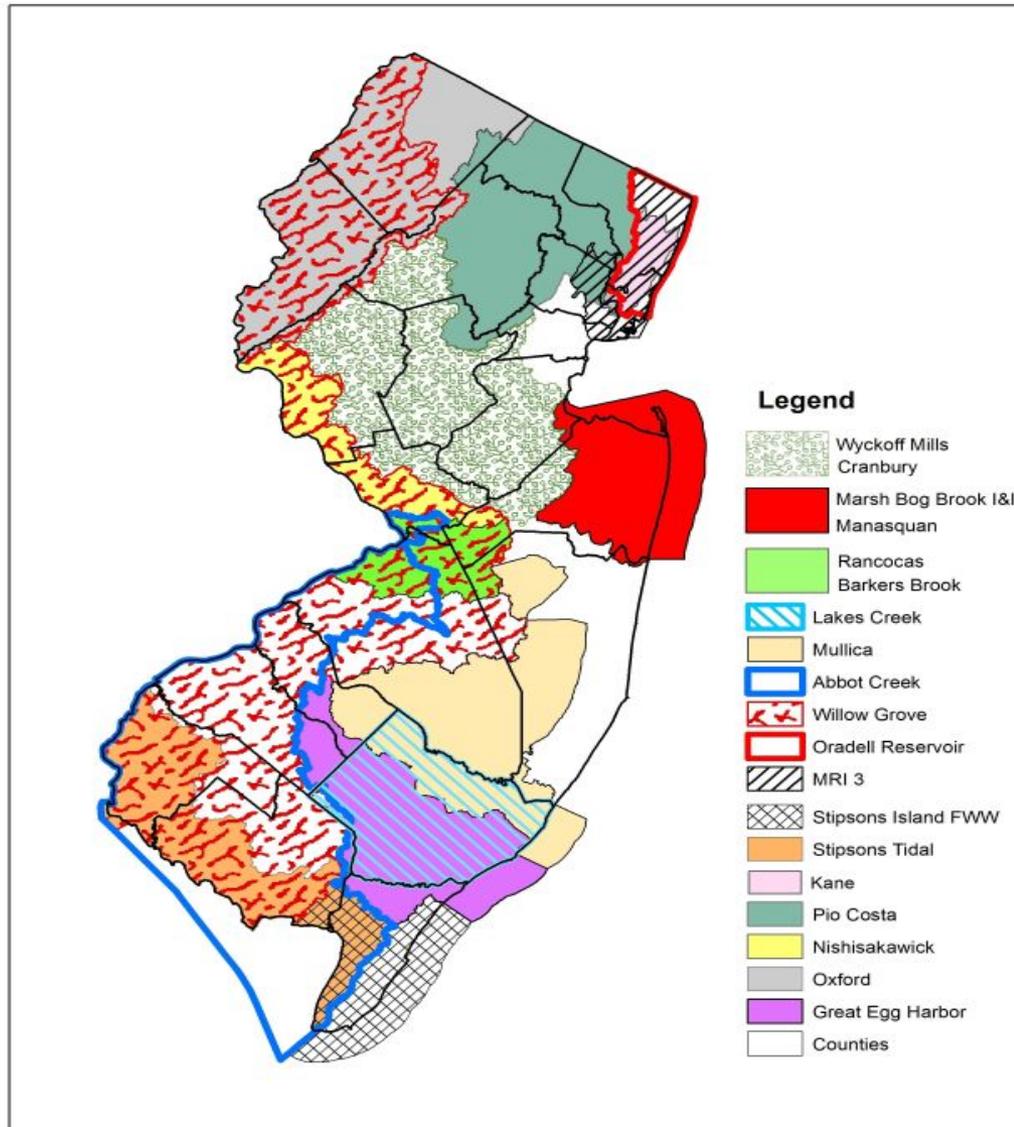
# Mitigation Banks



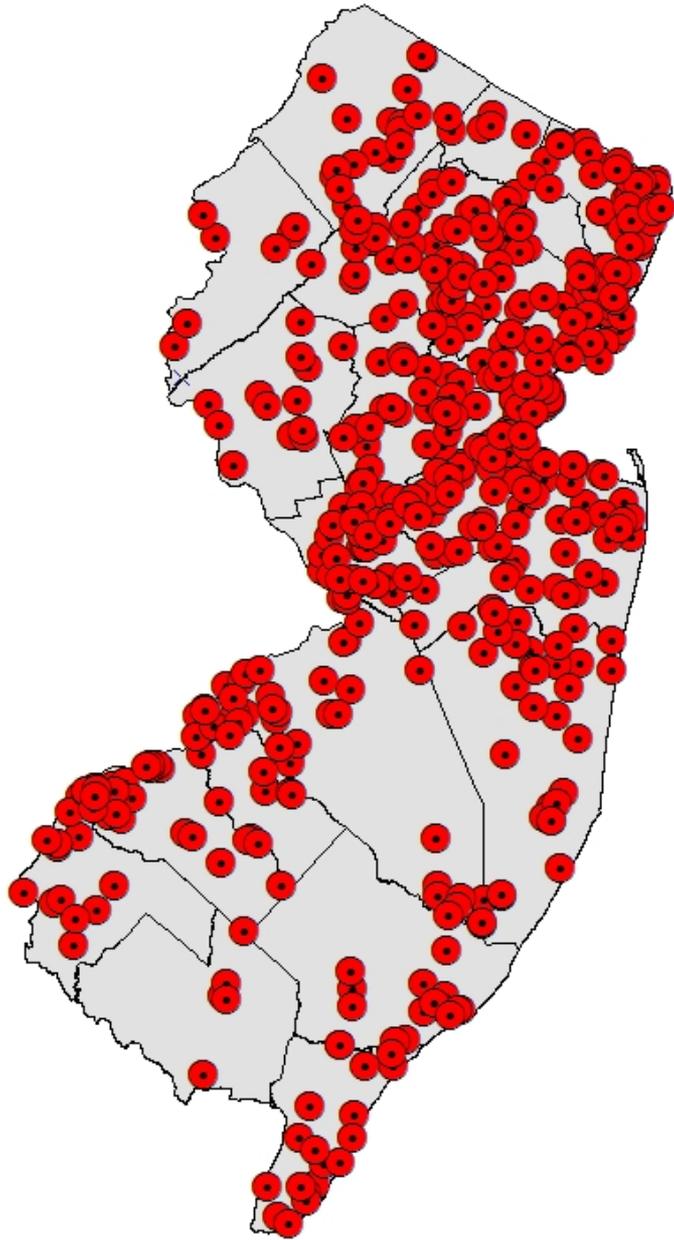
# Mitigation Bank Layer



# Mitigation Bank Service Areas



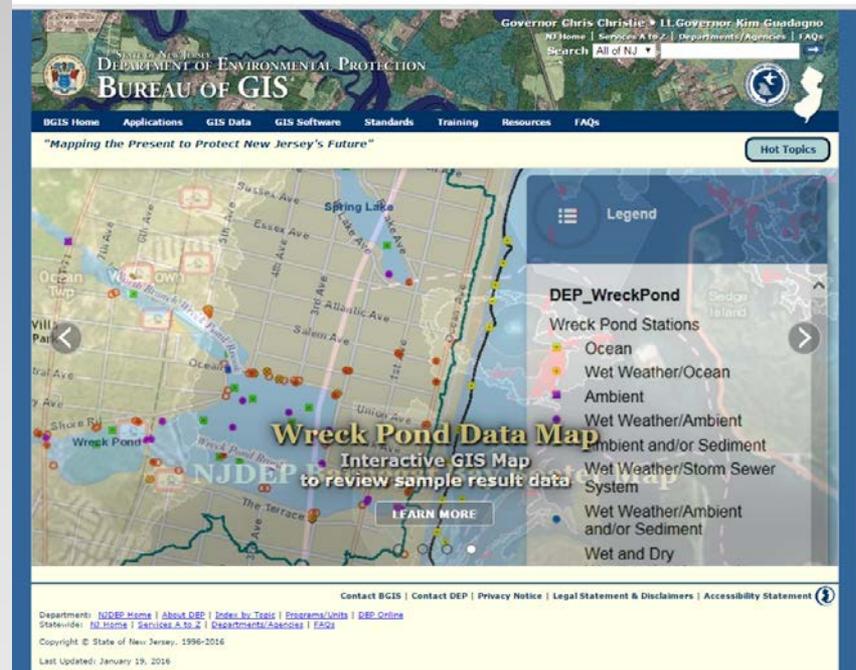
# Mitigation Site Layer



# Status Update

- Going live soon!
- Will be available at:

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



# Contact Us

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Division of Land Use Regulation – Mitigation Unit

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