

New Jersey Sports & Exposition Authority Tide Gate Inspection Report

prepared in conformance with

**The National Flood Insurance Program
Community Rating System**

by

The New Jersey Sports and Exposition Authority

One DeKorte Park Plaza

Lyndhurst, New Jersey

October 13, 2022



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1. Executive Summary

The New Jersey Sports and Exposition Authority (“NJSEA”) participates in the Federal Emergency Management Agency’s (FEMA) Community Rating System (“CRS”) on behalf of the 14 municipalities within the New Jersey Sports and Exposition Authority District. This program is voluntary and recognizes and encourages community floodplain management activities that exceed the minimum National Flood Insurance Program (“NFIP”) requirements.

Property owners and tenants in the New Jersey Sports and Exposition Authority District currently enjoy a fifteen percent flood insurance discount due to the continued efforts by the NJSEA to exceed the program requirements. As required per the CRS Coordinator’s Manual Activity 540, “Drainage System Maintenance,” the NJSEA evaluated the functionality of the major tide gates and pump stations within the District. The conditions of the facilities, along with maintenance recommendations, have been documented based on numerous inspections. From the analysis of this inspection data, the NJSEA has identified deficiencies in the water control structures and has been able to rate the overall condition of the District’s storm surge protection measures.

2. Inspection Process

Prior to each inspection, NJSEA reviewed the 2021 Activity 540 inspection reports in order to have a basic understanding of each flood control structure and its previously reported condition for comparison. Utilizing GIS data, NJSEA also verified each structure’s location and noted any significant changes to land uses with their respective drainage areas per aerial photos.

Due to tidal impact on the structures, inspections of the tide gates at low or high tide condition may reveal different characteristics of the structures. At high tide, it can be observed how well the tide gate seals against high tide backwater pressure. At low tide, it can be observed how freely the tide gates open to allow upstream channels to empty. Also, low tide inspections provide a good view of typically submerged system components such as hinges, trash rack, and scour control, while high tide inspections help to identify seepage, undermining, and poor tide gate contact to its seal. Inspecting at various tide conditions also provides a better observation of the impact fluvial flooding will have during high tide conditions. There are several tide gate locations where high tide conditions and high intensity rainfall event will cause severe flooding in the area.

Each of the pump stations was inspected with the respective municipality's Department of Public Works (DPW) present to ensure access to all facilities. Additionally, the NJSEA requested that each pump station be tested during the inspection to ensure the system is operating properly. During each of the inspections, NJSEA performed a general survey of the upstream and downstream area and verified that the garbage racks were clean, the tide gates were seating properly, if any part of the flood control structure was damaged, and if damaged, the extent of damage and the required maintenance necessary. All inspections included pictures of the drainage structures, including upstream of structure (if possible), downstream of structure, and any areas of concern around the facility. Each tide gate and pump station mapped location was checked and revised, as necessary, using field notes and aerial photography.

3. Inspection Reports

Inspection reports are found in alphabetical order within each municipality's sub-section.

Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name: Bashes Creek Ditch System (Carlstadt) - Study Point #4

Location: **Block** 137 **Lot** 2

Description:

Date: 7/19/2022

Time of Inspection: 2:00 pm

Tide Conditions: High

Time of Tide Event: 3:06 pm

Conditions: Sunny

Temperature: 87 F

Inspected By: Jeff Zielinski & Fawzia Shapiro

Type of Inspection:		Notes on Condition / Problems:	
<input checked="" type="checkbox"/> Yearly	<input checked="" type="checkbox"/> Ditch	Ditch is clear.	
<input type="checkbox"/> Post-Storm	<input checked="" type="checkbox"/> Tide Gate		
<input type="checkbox"/> Complaint	<input type="checkbox"/> Pump System		
System Designation:			
<input checked="" type="checkbox"/> Natural Stream	<input type="checkbox"/> Culvert		
<input type="checkbox"/> Manmade Channel	<input type="checkbox"/> Outfall		
<input type="checkbox"/> Catch Basin	<input type="checkbox"/> Other: _____	Notes on Maintenance:	
Overall Functionality:		Tide gate is functional.	
<input checked="" type="checkbox"/> Fully Functional			
<input type="checkbox"/> Functional with Restrictions			
<input type="checkbox"/> Non-Functional			
Maintenance Required:			
<input type="checkbox"/> Immediate		Other Notes:	
<input type="checkbox"/> Repair		Located on Transco property.	
<input type="checkbox"/> Continued Upkeep			
<input checked="" type="checkbox"/> None			

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Bashes Creek Ditch System (Carlstadt) - Study Point #4

Date: 7/19/2022

Time of Inspection: 2:00 pm

Tide Condition: High



Figure 1: Upstream view at tide gate

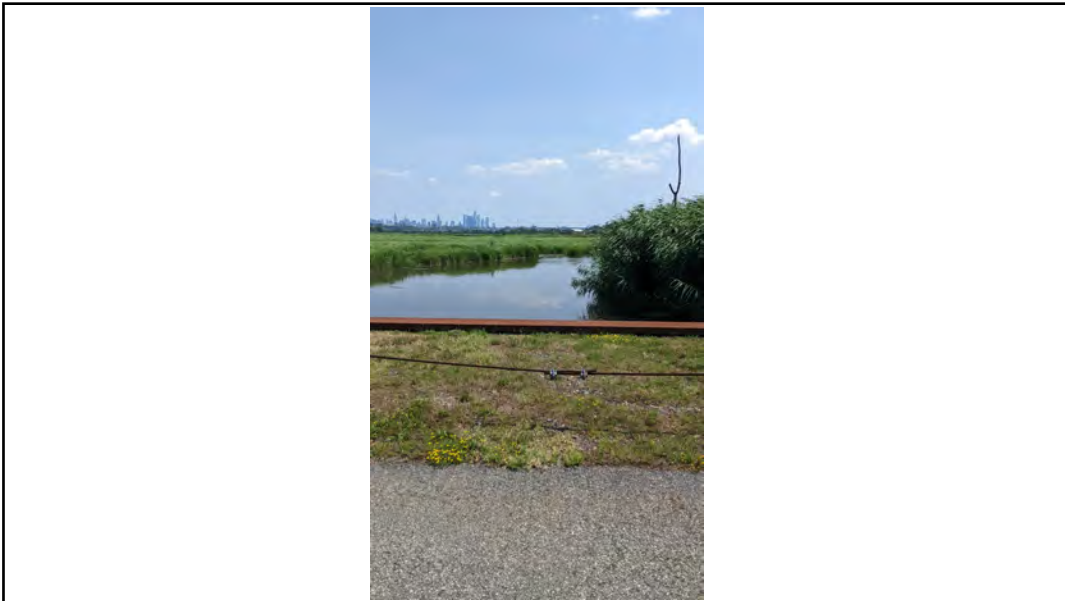


Figure 2: Downstream view of ditch at bridge

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name: 20th Street/Broad Street Tide Gate (Carlstadt)

Location:	Block 120	Lot 13
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Description:

Date: 5/11/2022

Time of Inspection: 11:58 am

Tide Conditions: High

Time of Tide Event: 9:55 am

Conditions: Cloudy

Temperature: 65 F

Inspected By: Jeff Zielinski & Fawzia Shapiro

Type of Inspection:		Notes on Condition / Problems:	
<input checked="" type="checkbox"/> Yearly	<input checked="" type="checkbox"/> Ditch	Ditch is clear of debris.	
<input type="checkbox"/> Post-Storm	<input checked="" type="checkbox"/> Tide Gate	Banks are overgrown.	
<input type="checkbox"/> Complaint	<input type="checkbox"/> Pump System	There is no longer a tide gate in this location.	
System Designation:			
<input checked="" type="checkbox"/> Natural Stream	<input type="checkbox"/> Culvert		
<input type="checkbox"/> Manmade Channel	<input checked="" type="checkbox"/> Outfall		
<input type="checkbox"/> Catch Basin	<input type="checkbox"/> Other: _____	Notes on Maintenance:	
Overall Functionality:		Continue to monitor.	
<input type="checkbox"/> Fully Functional			
<input type="checkbox"/> Functional with Restrictions			
<input checked="" type="checkbox"/> Non-Functional			
Maintenance Required:		Other Notes:	
<input type="checkbox"/> Immediate			
<input type="checkbox"/> Repair			
<input type="checkbox"/> Continued Upkeep			
<input checked="" type="checkbox"/> None			

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: 20th Street/Broad Street Tide Gate (Carlstadt)

Date: 5/11/2022

Time of Inspection: 11:58 am

Tide Condition: High



Figure 1: Upstream view at tide gate



Figure 2: Downstream view at tide gate

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name: Dell Road Tide Gate (Carlstadt)

Location:	Block 123.01	Lot 28
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Description:

Date: 9/23/2022

Time of Inspection: 1:26 pm

Tide Conditions: Low

Time of Tide Event: 2:24 pm

Conditions: Sunny

Temperature: 66 F

Inspected By: Jeff Zielinski & Fawzia Shapiro

Type of Inspection:		Notes on Condition / Problems:	
<input checked="" type="checkbox"/> Yearly	<input checked="" type="checkbox"/> Ditch	Steel plate headwall and tide gate.	
<input type="checkbox"/> Post-Storm	<input checked="" type="checkbox"/> Tide Gate	Tide gate appears to be working.	
<input type="checkbox"/> Complaint	<input type="checkbox"/> Pump System		
System Designation:			
<input checked="" type="checkbox"/> Natural Stream	<input type="checkbox"/> Culvert		
<input type="checkbox"/> Manmade	<input type="checkbox"/> Outfall		
Channel	<input type="checkbox"/> Other:	Notes on Maintenance:	
<input type="checkbox"/> Catch Basin			
Overall Functionality:			
<input checked="" type="checkbox"/> Fully Functional			
<input type="checkbox"/> Functional with Restrictions			
<input type="checkbox"/> Non-Functional			
Maintenance Required:		Other Notes:	
<input type="checkbox"/> Immediate			
<input type="checkbox"/> Repair			
<input type="checkbox"/> Continued Upkeep			
<input checked="" type="checkbox"/> None			

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Dell Road Tide Gate (Carlstadt)

Date: 9/23/2022

Time of Inspection: 1:26 pm

Tide Condition: Low



Figure 1: Upstream view at tide gate



Figure 2: View of tide gate

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Site ID/Name: Dell Road Tide Gate (Carlstadt)

Date: 9/23/2022

Time of Inspection: 1:26 pm

Tide Condition: Low



Figure 1: Upstream view at tide gate



Figure 2: View of tide gate

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name: East Riser Tide Gate (Carlstadt) - Study Point #1

Location: **Block** 123.01 **Lot** 6

Description:

Date: 9/23/2022

Time of Inspection: 2:30 pm

Tide Conditions: Low

Time of Tide Event: 2:24 pm

Conditions: Sunny

Temperature: 65 F

Inspected By: Jeff Zielinski & Fawzia Shapiro

Type of Inspection:		Notes on Condition / Problems:	
<input checked="" type="checkbox"/> Yearly	<input checked="" type="checkbox"/> Ditch	Minor debris at trash rack.	
<input type="checkbox"/> Post-Storm	<input checked="" type="checkbox"/> Tide Gate	Tide gates are functioning.	
<input type="checkbox"/> Complaint	<input type="checkbox"/> Pump System		
System Designation:			
<input checked="" type="checkbox"/> Natural Stream	<input type="checkbox"/> Culvert		
<input type="checkbox"/> Manmade Channel	<input type="checkbox"/> Outfall		
<input type="checkbox"/> Catch Basin	<input type="checkbox"/> Other: _____	Notes on Maintenance:	
Overall Functionality:		One cable is missing from a tide gate.	
<input checked="" type="checkbox"/> Fully Functional			
<input type="checkbox"/> Functional with Restrictions			
<input type="checkbox"/> Non-Functional			
Maintenance Required:		Other Notes:	
<input type="checkbox"/> Immediate			
<input type="checkbox"/> Repair			
<input checked="" type="checkbox"/> Continued Upkeep			
<input type="checkbox"/> None			

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Site ID/Name: East Riser Tide Gate (Carlstadt) - Study Point #1

Date: 9/23/2022

Time of Inspection: 2:30 pm

Tide Condition: Low



Figure 1: Upstream view at tide gate



Figure 2: Downstream view at tide gate

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Site ID/Name: East Riser Tide Gate (Carlstadt) - Study Point #1

Date: 9/23/2022

Time of Inspection: 2:30 pm

Tide Condition: Low



Figure 1: Upstream view at tide gate



Figure 2: Downstream view at tide gate

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name: Moonachie Creek Ditch System (Carlstadt) - Study Point #4

Location:	Block 128	Lot 20
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Description:

Date: 7/19/2022

Time of Inspection: 2:15 pm

Tide Conditions: High

Time of Tide Event: 3:06 pm

Conditions: Sunny

Temperature: 87 F

Inspected By: Jeff Zielinski & Fawzia Shapiro

Type of Inspection:		Notes on Condition / Problems:	
<input checked="" type="checkbox"/> Yearly	<input checked="" type="checkbox"/> Ditch	Ditch is clear.	
<input type="checkbox"/> Post-Storm	<input checked="" type="checkbox"/> Tide Gate		
<input type="checkbox"/> Complaint	<input type="checkbox"/> Pump System		
System Designation:			
<input checked="" type="checkbox"/> Natural Stream	<input type="checkbox"/> Culvert		
<input type="checkbox"/> Manmade Channel	<input type="checkbox"/> Outfall		
<input type="checkbox"/> Catch Basin	<input type="checkbox"/> Other: _____		
Overall Functionality:		Notes on Maintenance:	
<input checked="" type="checkbox"/> Fully Functional		Tide gate is functional.	
<input type="checkbox"/> Functional with Restrictions			
<input type="checkbox"/> Non-Functional			
Maintenance Required:			
<input type="checkbox"/> Immediate		Other Notes:	
<input type="checkbox"/> Repair		Located on Transco property.	
<input type="checkbox"/> Continued Upkeep			
<input checked="" type="checkbox"/> None			

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Site ID/Name: Moonachie Creek Ditch System (Carlstadt) - Study Point #4

Date: 7/19/2022

Time of Inspection: 2:15 pm

Tide Condition: High



Figure 1: Upstream view at tide gate



Figure 2: Downstream view of ditch at bridge

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name: Peach Island Creek Ditch System (Carlstadt) - Study Point #2

Location: **Block** 124 **Lot** 50

Description:

Date: 9/23/2022

Time of Inspection: 1:17 pm

Tide Conditions: Low

Time of Tide Event: 2:24 pm

Conditions: Sunny

Temperature: 66 F

Inspected By: Jeff Zielinski & Fawzia Shapiro

Type of Inspection:		Notes on Condition / Problems:	
<input checked="" type="checkbox"/> Yearly	<input checked="" type="checkbox"/> Ditch	Ditch is clear.	
<input type="checkbox"/> Post-Storm	<input checked="" type="checkbox"/> Tide Gate		
<input type="checkbox"/> Complaint	<input type="checkbox"/> Pump System		
System Designation:			
<input checked="" type="checkbox"/> Natural Stream	<input type="checkbox"/> Culvert		
<input type="checkbox"/> Manmade Channel	<input type="checkbox"/> Outfall		
<input type="checkbox"/> Catch Basin	<input type="checkbox"/> Other: _____		
Overall Functionality:		Notes on Maintenance:	
<input checked="" type="checkbox"/> Fully Functional		Tide gate partially submerged at low tide.	
<input type="checkbox"/> Functional with Restrictions		Continue to monitor.	
<input type="checkbox"/> Non-Functional			
Maintenance Required:			
<input type="checkbox"/> Immediate			
<input type="checkbox"/> Repair			
<input type="checkbox"/> Continued Upkeep			
<input checked="" type="checkbox"/> None			
		Other Notes:	
		Duckbill tide gate at Palmer Terrace.	

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Drainage System Inspection Photos

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Site ID/Name: Peach Island Creek Ditch System (Carlstadt) - Study Point #2

Date: 9/23/2022

Time of Inspection: 1:17 pm

Tide Condition: Low



Figure 1: Upstream view at tide gate



Figure 2: Downstream view of ditch

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name: Peach Island Creek Ditch System (Carlstadt) - Study Point #1

Location:	Block 122	Lot 8.01
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Description:

Date: 9/23/2022

Time of Inspection: 1:00 pm

Tide Conditions: Low

Time of Tide Event: 2:24 pm

Conditions: Sunny

Temperature: 66 F

Inspected By: Jeff Zielinski & Fawzia Shapiro

Type of Inspection:		Notes on Condition / Problems:	
<input checked="" type="checkbox"/> Yearly	<input checked="" type="checkbox"/> Ditch	Ditch is clear.	
<input type="checkbox"/> Post-Storm	<input checked="" type="checkbox"/> Tide Gate		
<input type="checkbox"/> Complaint	<input type="checkbox"/> Pump System		
System Designation:			
<input checked="" type="checkbox"/> Natural Stream	<input type="checkbox"/> Culvert		
<input type="checkbox"/> Manmade	<input type="checkbox"/> Outfall		
Channel	<input type="checkbox"/> Other:	Notes on Maintenance:	
<input type="checkbox"/> Catch Basin		Continue to monitor.	
		Supports between pipes appear to be compromised.	
Overall Functionality:			
<input type="checkbox"/> Fully Functional			
<input checked="" type="checkbox"/> Functional with Restrictions			
<input type="checkbox"/> Non-Functional			
Maintenance Required:			
<input type="checkbox"/> Immediate		Other Notes:	
<input type="checkbox"/> Repair			
<input checked="" type="checkbox"/> Continued Upkeep			
<input type="checkbox"/> None			

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National Flood Insurance Program / Community Rating System

Site ID/Name: Peach Island Creek Ditch System (Carlstadt) - Study Point #1

Date: 9/23/2022

Time of Inspection: 1:00 pm

Tide Condition: Low



Figure 1: Upstream view at tide gate



Figure 2: Upstream view at tide gate

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Site ID/Name: Peach Island Creek Ditch System (Carlstadt) - Study Point #1

Date: 9/23/2022

Time of Inspection: 1:00 pm

Tide Condition: Low



Figure 1: Upstream view at tide gate



Figure 2: Upstream view at tide gate

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name: Waitex Tide Gate (Carlstadt)

Location:	Block 120	Lot 18
------------------	------------------	---------------

Description:

Date: 5/11/2022 **Time of Inspection:** 12:10 pm

Tide Conditions: High **Time of Tide Event:** 9:55 am

Conditions: Cloudy

Temperature: 65 F

Inspected By: Jeff Zielinski & Fawzia Shapiro

Type of Inspection:		Notes on Condition / Problems:	
<input checked="" type="checkbox"/> Yearly	<input checked="" type="checkbox"/> Ditch	Ditch and trash rack are clear of debris.	
<input type="checkbox"/> Post-Storm	<input checked="" type="checkbox"/> Tide Gate	Tide gate is functioning.	
<input type="checkbox"/> Complaint	<input type="checkbox"/> Pump System		
System Designation:			
<input checked="" type="checkbox"/> Natural Stream	<input checked="" type="checkbox"/> Culvert		
<input type="checkbox"/> Manmade Channel	<input type="checkbox"/> Outfall		
<input type="checkbox"/> Catch Basin	<input type="checkbox"/> Other: _____		
Overall Functionality:		Notes on Maintenance:	
<input checked="" type="checkbox"/> Fully Functional		Trash rack is beginning to distort at bottom.	
<input type="checkbox"/> Functional with Restrictions		Continue to monitor.	
<input type="checkbox"/> Non-Functional			
Maintenance Required:			
<input type="checkbox"/> Immediate			
<input type="checkbox"/> Repair			
<input type="checkbox"/> Continued Upkeep			
<input checked="" type="checkbox"/> None			
		Other Notes:	

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Site ID/Name: Waitex Tide Gate (Carlstadt)

Date: 5/11/2022

Time of Inspection: 12:10 pm

Tide Condition: High



Figure 1: Upstream view at tide gate



Figure 2: Downstream view at tide gate

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name: East Rutherford Ditch System (East Rutherford) - Study Point #5

Location:	Block 106.01	Lot 18
------------------	---------------------	---------------

Description:

Date: 9/23/2022

Time of Inspection: 11:00 am

Tide Conditions: High

Time of Tide Event: 8:31 am

Conditions: Sunny

Temperature: 57 F

Inspected By: Jeff Zielinski & Fawzia Shapiro

Type of Inspection:		Notes on Condition / Problems:	
<input checked="" type="checkbox"/> Yearly	<input checked="" type="checkbox"/> Ditch	Ditch is clear.	
<input type="checkbox"/> Post-Storm	<input checked="" type="checkbox"/> Tide Gate	Vegetation and algae growing at trash rack.	
<input type="checkbox"/> Complaint	<input type="checkbox"/> Pump System		
System Designation:			
<input checked="" type="checkbox"/> Natural Stream	<input checked="" type="checkbox"/> Culvert		
<input type="checkbox"/> Manmade Channel	<input type="checkbox"/> Outfall		
<input type="checkbox"/> Catch Basin	<input type="checkbox"/> Other: _____	Notes on Maintenance:	
Overall Functionality:		Contact Bergen County to remove the algae and vegetation.	
<input checked="" type="checkbox"/> Fully Functional			
<input type="checkbox"/> Functional with Restrictions			
<input type="checkbox"/> Non-Functional			
Maintenance Required:			
<input type="checkbox"/> Immediate		Other Notes:	
<input type="checkbox"/> Repair		All five tide gates are functional.	
<input checked="" type="checkbox"/> Continued Upkeep			
<input type="checkbox"/> None			

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: East Rutherford Ditch System (East Rutherford) - Study Point #5

Date: 9/23/2022

Time of Inspection: 11:00 am

Tide Condition: High



Figure 1: Upstream view at tide gate



Figure 2: Downstream view at tide gate

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name: Belezza Ditch System (Kearny) - Study Point #1

Location: **Block** 287 **Lot** 81

Description:

Date: 10/3/2022

Time of Inspection: 9:15 am

Tide Conditions: Low

Time of Tide Event: 9:57 am

Conditions: Cloudy

Temperature: 65 F

Inspected By: Jeff Zielinski & Fawzia Shapiro

Type of Inspection:		Notes on Condition / Problems:	
<input checked="" type="checkbox"/> Yearly	<input checked="" type="checkbox"/> Ditch	Debris in ditch upstream of tide gate.	
<input type="checkbox"/> Post-Storm	<input checked="" type="checkbox"/> Tide Gate	Tide gate is completely off of its hinge.	
<input type="checkbox"/> Complaint	<input type="checkbox"/> Pump System		
System Designation:			
<input checked="" type="checkbox"/> Natural Stream	<input checked="" type="checkbox"/> Culvert		
<input type="checkbox"/> Manmade Channel	<input type="checkbox"/> Outfall		
<input type="checkbox"/> Catch Basin	<input type="checkbox"/> Other: _____	Notes on Maintenance:	
Overall Functionality:			
<input type="checkbox"/> Fully Functional			
<input type="checkbox"/> Functional with Restrictions			
<input checked="" type="checkbox"/> Non-Functional			
Maintenance Required:		Other Notes:	
<input type="checkbox"/> Immediate		Continue to monitor upstream properties.	
<input checked="" type="checkbox"/> Repair			
<input type="checkbox"/> Continued Upkeep			
<input type="checkbox"/> None			

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Belezza Ditch System (Kearny) - Study Point #1

Date: 10/3/2022

Time of Inspection: 9:15 am

Tide Condition: Low



Figure 1: Upstream view at tide gate



Figure 2: Downstream view at tide gate

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name: Bergen Avenue Tide Gate (Kearny)

Location: **Block** 275 **Lot** 3

Description:

Date: 5/11/2022 **Time of Inspection:** 11:20 am

Time of Inspection: 11:20 am

Tide Conditions: High **Time of Tide Event:** 9:55 am

Time of Tide Event: 9:55 am

Conditions: Cloudy

Temperature: 65 F

Inspected By: Jeff Zielinski & Fawzia Shapiro

Type of Inspection:		Notes on Condition / Problems:	
<input checked="" type="checkbox"/> Yearly	<input checked="" type="checkbox"/> Ditch	Ditch is clear of debris.	
<input type="checkbox"/> Post-Storm	<input checked="" type="checkbox"/> Tide Gate	Tide gate (with headwall) is functioning.	
<input type="checkbox"/> Complaint	<input type="checkbox"/> Pump System		
System Designation:			
<input checked="" type="checkbox"/> Natural Stream	<input checked="" type="checkbox"/> Culvert		
<input type="checkbox"/> Manmade Channel	<input type="checkbox"/> Outfall		
<input type="checkbox"/> Catch Basin	<input type="checkbox"/> Other: _____	Notes on Maintenance:	
Overall Functionality:			
<input checked="" type="checkbox"/> Fully Functional			
<input type="checkbox"/> Functional with Restrictions			
<input type="checkbox"/> Non-Functional			
Maintenance Required:		Other Notes:	
<input type="checkbox"/> Immediate			
<input type="checkbox"/> Repair			
<input type="checkbox"/> Continued Upkeep			
<input checked="" type="checkbox"/> None			

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Bergen Avenue Tide Gate (Kearny)

Date: 5/11/2022

Time of Inspection: 11:20 am

Tide Condition: High



Figure 1: Upstream view at tide gate



Figure 2: Downstream view at tide gate

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name:	Dead Horse Creek Tide Gate (Kearny)		
Location:	Block 253	Lot 5a	
Description:			
Date:	5/11/2022	Time of Inspection:	11:12 am
Tide Conditions:	High	Time of Tide Event:	9:55 am
Conditions:	Cloudy		
Temperature:	65 F		
Inspected By:	Jeff Zielinski & Fawzia Shapiro		

Type of Inspection: <input checked="" type="checkbox"/> Yearly <input type="checkbox"/> Post-Storm <input type="checkbox"/> Complaint <input checked="" type="checkbox"/> Ditch <input checked="" type="checkbox"/> Tide Gate <input type="checkbox"/> Pump System	Notes on Condition / Problems: Ditch is clear of debris. Both tide gates are functional.
System Designation: <input checked="" type="checkbox"/> Natural Stream <input type="checkbox"/> Manmade Channel <input type="checkbox"/> Catch Basin <input checked="" type="checkbox"/> Culvert <input type="checkbox"/> Outfall <input type="checkbox"/> Other:	Notes on Maintenance:
Overall Functionality: <input checked="" type="checkbox"/> Fully Functional <input type="checkbox"/> Functional with Restrictions <input type="checkbox"/> Non-Functional	Other Notes:
Maintenance Required: <input type="checkbox"/> Immediate <input type="checkbox"/> Repair <input type="checkbox"/> Continued Upkeep <input checked="" type="checkbox"/> None	

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Dead Horse Creek Tide Gate (Kearny)

Date: 5/11/2022

Time of Inspection: 11:12 am

Tide Condition: High



Figure 1: Upstream view at tide gate



Figure 2: Downstream view at tide gate

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name:	Frank's Creek Tide Gate (Kearny)		
Location:	Block 284	Lot 9ca	
Description:			
Date:	5/11/2022	Time of Inspection:	10:45 am
Tide Conditions:	High	Time of Tide Event:	9:55 am
Conditions:	Cloudy		
Temperature:	65 F		
Inspected By:	Jeff Zielinski & Fawzia Shapiro		

Type of Inspection: <input checked="" type="checkbox"/> Yearly <input type="checkbox"/> Post-Storm <input type="checkbox"/> Complaint <input checked="" type="checkbox"/> Ditch <input checked="" type="checkbox"/> Tide Gate <input type="checkbox"/> Pump System	Notes on Condition / Problems: Ditch is clear of debris. Two tide gates are functional w/ restrictions. There are multiple holes in the concrete of the tide gate structure that allow high tide water to flow into ditch.
System Designation: <input checked="" type="checkbox"/> Natural Stream <input type="checkbox"/> Manmade Channel <input type="checkbox"/> Catch Basin <input checked="" type="checkbox"/> Culvert <input type="checkbox"/> Outfall <input type="checkbox"/> Other:	Notes on Maintenance: Continue to monitor.
Overall Functionality: <input type="checkbox"/> Fully Functional <input checked="" type="checkbox"/> Functional with Restrictions <input type="checkbox"/> Non-Functional	Other Notes:
Maintenance Required: <input type="checkbox"/> Immediate <input type="checkbox"/> Repair <input checked="" type="checkbox"/> Continued Upkeep <input type="checkbox"/> None	

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Frank's Creek Tide Gate (Kearny)

Date: 5/11/2022

Time of Inspection: 10:45 am

Tide Condition: High



Figure 1: Upstream view at tide gate



Figure 2: Downstream view at tide gate

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name:	Harrison Avenue Tide Gate (Kearny)		
Location:	Block 284	Lot 2a3b3ba	
Description:	Near Walmart		
Date:	5/11/2022	Time of Inspection:	11:00 am
Tide Conditions:	High	Time of Tide Event:	9:55 am
Conditions:	Cloudy		
Temperature:	65 F		
Inspected By:	Jeff Zielinski & Fawzia Shapiro		

Type of Inspection: <input checked="" type="checkbox"/> Yearly <input type="checkbox"/> Post-Storm <input type="checkbox"/> Complaint <input checked="" type="checkbox"/> Ditch <input checked="" type="checkbox"/> Tide Gate <input type="checkbox"/> Pump System	Notes on Condition / Problems: Ditch is clear of debris. Two tide gates are functional.
System Designation: <input checked="" type="checkbox"/> Natural Stream <input type="checkbox"/> Manmade Channel <input type="checkbox"/> Catch Basin <input checked="" type="checkbox"/> Culvert <input type="checkbox"/> Outfall <input type="checkbox"/> Other:	Notes on Maintenance:
Overall Functionality: <input checked="" type="checkbox"/> Fully Functional <input type="checkbox"/> Functional with Restrictions <input type="checkbox"/> Non-Functional	Other Notes:
Maintenance Required: <input type="checkbox"/> Immediate <input type="checkbox"/> Repair <input type="checkbox"/> Continued Upkeep <input checked="" type="checkbox"/> None	

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Harrison Avenue Tide Gate (Kearny)

Date: 5/11/2022

Time of Inspection: 11:00 am

Tide Condition: High



Figure 1: Upstream view at tide gate



Figure 2: Downstream view at tide gate

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name: USPS Tide Gate (Kearny)

Location:	Block 275	Lot 1
------------------	------------------	--------------

Description:

Date: 5/11/2022 **Time of Inspection:** 11:05 am

Time of Inspection: 11:05 am

Tide Conditions: High **Time of Tide Event:** 9:55 am

Time of Tide Event: 9:55 am

Conditions: Cloudy

Temperature: 65 F

Inspected By: Jeff Zielinski & Fawzia Shapiro

Type of Inspection:		Notes on Condition / Problems:	
<input checked="" type="checkbox"/> Yearly	<input checked="" type="checkbox"/> Ditch	Ditch is clear of debris.	
<input type="checkbox"/> Post-Storm	<input checked="" type="checkbox"/> Tide Gate	Tide gate is functioning.	
<input type="checkbox"/> Complaint	<input type="checkbox"/> Pump System		
System Designation:			
<input checked="" type="checkbox"/> Natural Stream	<input checked="" type="checkbox"/> Culvert		
<input type="checkbox"/> Manmade Channel	<input type="checkbox"/> Outfall		
<input type="checkbox"/> Catch Basin	<input type="checkbox"/> Other: _____	Notes on Maintenance:	
Overall Functionality:			
<input checked="" type="checkbox"/> Fully Functional			
<input type="checkbox"/> Functional with Restrictions			
<input type="checkbox"/> Non-Functional			
Maintenance Required:		Other Notes:	
<input type="checkbox"/> Immediate			
<input type="checkbox"/> Repair			
<input type="checkbox"/> Continued Upkeep			
<input checked="" type="checkbox"/> None			

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: USPS Tide Gate (Kearny)

Date: 5/11/2022

Time of Inspection: 11:05 am

Tide Condition: High



Figure 1: Upstream view at tide gate



Figure 2: Downstream view at tide gate

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name:	Depeyster Creek Ditch System (Little Ferry) - Study Point #2		
Location:	Block	Lot	
Description:			
Date:	9/27/2022	Time of Inspection:	10:10 am
Tide Conditions:	High	Time of Tide Event:	10:41 am
Conditions:	Sunny		
Temperature:	64 F		
Inspected By:	Jeff Zielinski & Fawzia Shapiro		

Type of Inspection: <input checked="" type="checkbox"/> Yearly <input type="checkbox"/> Post-Storm <input type="checkbox"/> Complaint <input checked="" type="checkbox"/> Ditch <input type="checkbox"/> Tide Gate <input checked="" type="checkbox"/> Pump System	Notes on Condition / Problems: Ditch is flowing clear downstream. Ditch is not accessible upstream. Pump station is functioning.
System Designation: <input checked="" type="checkbox"/> Natural Stream <input type="checkbox"/> Manmade Channel <input type="checkbox"/> Catch Basin <input type="checkbox"/> Culvert <input type="checkbox"/> Outfall <input type="checkbox"/> Other:	Notes on Maintenance: Little Ferry DPW regularly maintains the equipment.
Overall Functionality: <input checked="" type="checkbox"/> Fully Functional <input type="checkbox"/> Functional with Restrictions <input type="checkbox"/> Non-Functional	Other Notes: 3 pumps and generator are operational.
Maintenance Required: <input type="checkbox"/> Immediate <input type="checkbox"/> Repair <input type="checkbox"/> Continued Upkeep <input checked="" type="checkbox"/> None	

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Depeyster Creek Ditch System (Little Ferry) - Study Point #2

Date: 9/27/2022

Time of Inspection: 10:10 am

Tide Condition: High



Figure 1: Upstream view at pump station



Figure 2: View at pump station

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name:	Losen Slote Pump Station (Little Ferry)		
Location:	Block 106	Lot 3.01	
Description:			
Date:	9/27/2022	Time of Inspection:	10:20 am
Tide Conditions:	High	Time of Tide Event:	10:41 am
Conditions:	Sunny		
Temperature:	64 F		
Inspected By:	Jeff Zielinski & Fawzia Shapiro		

Type of Inspection: <input checked="" type="checkbox"/> Yearly <input type="checkbox"/> Post-Storm <input type="checkbox"/> Complaint <input checked="" type="checkbox"/> Ditch <input checked="" type="checkbox"/> Tide Gate <input checked="" type="checkbox"/> Pump System	Notes on Condition / Problems: Ditch is clear. There appears to be a log stuck at one tide gate underneath the structure.
System Designation: <input checked="" type="checkbox"/> Natural Stream <input type="checkbox"/> Manmade Channel <input type="checkbox"/> Catch Basin <input type="checkbox"/> Culvert <input type="checkbox"/> Outfall <input type="checkbox"/> Other:	Notes on Maintenance: Three pumps and generator are functional. Little Ferry DPW maintains the system.
Overall Functionality: <input checked="" type="checkbox"/> Fully Functional <input type="checkbox"/> Functional with Restrictions <input type="checkbox"/> Non-Functional	Other Notes: Auto trash racks and trash conveyor were installed in 2019.
Maintenance Required: <input type="checkbox"/> Immediate <input type="checkbox"/> Repair <input type="checkbox"/> Continued Upkeep <input checked="" type="checkbox"/> None	

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Losen Slote Pump Station (Little Ferry)

Date: 9/27/2022

Time of Inspection: 10:20 am

Tide Condition: High



Figure 1: View of emergency generator



Figure 2: Downstream view at pump station

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Losen Slote Pump Station (Little Ferry)

Date: 9/27/2022

Time of Inspection: 10:20 am

Tide Condition: High



Figure 1: View of emergency generator



Figure 2: Downstream view at pump station

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name: West Riser Tide Gate (Moonachie)

Location:	Block	Lot
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Description:

Date: 5/11/2022 **Time of Inspection:** 12:20 pm

Time of Inspection: 12:20 pm

Tide Conditions: High **Time of Tide Event:** 9:55 am

Time of Tide Event: 9:55 am

Conditions: Cloudy

Temperature: 65 F

Inspected By: Jeff Zielinski & Fawzia Shapiro

Type of Inspection:		Notes on Condition / Problems:	
<input checked="" type="checkbox"/> Yearly	<input checked="" type="checkbox"/> Ditch	Light debris at trash rack.	
<input type="checkbox"/> Post-Storm	<input checked="" type="checkbox"/> Tide Gate	Tide gates are functioning.	
<input type="checkbox"/> Complaint	<input type="checkbox"/> Pump System		
System Designation:			
<input checked="" type="checkbox"/> Natural Stream	<input type="checkbox"/> Culvert		
<input type="checkbox"/> Manmade Channel	<input type="checkbox"/> Outfall		
<input type="checkbox"/> Catch Basin	<input type="checkbox"/> Other: _____	Notes on Maintenance:	
Overall Functionality:		Long reach excavator is onsite, and Bergen County has been clearing debris.	
<input checked="" type="checkbox"/> Fully Functional			
<input type="checkbox"/> Functional with Restrictions			
<input type="checkbox"/> Non-Functional			
Maintenance Required:		Other Notes:	
<input type="checkbox"/> Immediate			
<input type="checkbox"/> Repair			
<input type="checkbox"/> Continued Upkeep			
<input checked="" type="checkbox"/> None			

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: West Riser Tide Gate (Moonachie)

Date: 5/11/2022

Time of Inspection: 12:20 pm

Tide Condition: High



Figure 1: Upstream view at tide gate



Figure 2: Downstream view at tide gate

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: West Riser Tide Gate (Moonachie)

Date: 5/11/2022

Time of Inspection: 12:20 pm

Tide Condition: High



Figure 1: Upstream view at tide gate



Figure 2: Downstream view at tide gate

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name:	Overpeck Creek Tide Gates (Ridgefield)		
Location:	Block 4005	Lot 1	
Description:			
Date:	5/19/2022	Time of Inspection:	1:30 pm
Tide Conditions:	High	Time of Tide Event:	12:50 pm
Conditions:	Cloudy		
Temperature:	73 F		
Inspected By:	Jeff Zielinski & Fawzia Shapiro		

Type of Inspection: <input checked="" type="checkbox"/> Yearly <input type="checkbox"/> Post-Storm <input type="checkbox"/> Complaint <input checked="" type="checkbox"/> Ditch <input checked="" type="checkbox"/> Tide Gate <input type="checkbox"/> Pump System	Notes on Condition / Problems: River and creek are clear of debris. 6 tide gates. No trash racks required. Tide gates 3 & 4 are non-operational.
System Designation: <input checked="" type="checkbox"/> Natural Stream <input type="checkbox"/> Manmade Channel <input type="checkbox"/> Catch Basin <input type="checkbox"/> Culvert <input type="checkbox"/> Outfall <input type="checkbox"/> Other:	Notes on Maintenance: Bergen County DPW maintains facility weekly.
Overall Functionality: <input type="checkbox"/> Fully Functional <input checked="" type="checkbox"/> Functional with Restrictions <input type="checkbox"/> Non-Functional	Other Notes: FIOS/SCADA system installed. Water tight doors to be installed at the control buildings.
Maintenance Required: <input type="checkbox"/> Immediate <input checked="" type="checkbox"/> Repair <input checked="" type="checkbox"/> Continued Upkeep <input type="checkbox"/> None	

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Overpeck Creek Tide Gates (Ridgefield)

Date: 5/19/2022

Time of Inspection: 1:30 pm

Tide Condition: High



Figure 1: View of tide gate



Figure 2: View of control room

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Overpeck Creek Tide Gates (Ridgefield)

Date: 5/19/2022

Time of Inspection: 1:30 pm

Tide Condition: High



Figure 1: View of tide gate



Figure 2: View of control room

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name: Rutherford Ditch System (Rutherford) - Study Point #1

Location:	Block 219.02	Lot 60.05
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Description:

Date: 9/23/2022

Time of Inspection: 10:00 am

Tide Conditions: High

Time of Tide Event: 8:31 am

Conditions: Sunny

Temperature: 55 F

Inspected By: Jeff Zielinski & Fawzia Shapiro

Type of Inspection:		Notes on Condition / Problems:	
<input checked="" type="checkbox"/> Yearly	<input checked="" type="checkbox"/> Ditch	Ditch is clear.	
<input type="checkbox"/> Post-Storm	<input checked="" type="checkbox"/> Tide Gate	Debris and algae is present at trash rack.	
<input type="checkbox"/> Complaint	<input type="checkbox"/> Pump System		
System Designation:			
<input checked="" type="checkbox"/> Natural Stream	<input checked="" type="checkbox"/> Culvert		
<input type="checkbox"/> Manmade Channel	<input type="checkbox"/> Outfall		
<input type="checkbox"/> Catch Basin	<input type="checkbox"/> Other: _____		
Overall Functionality:		Notes on Maintenance:	
<input checked="" type="checkbox"/> Fully Functional		Contact Bergen County to remove the algae and debris.	
<input type="checkbox"/> Functional with Restrictions			
<input type="checkbox"/> Non-Functional			
Maintenance Required:			
<input type="checkbox"/> Immediate			
<input type="checkbox"/> Repair		Six tide gates are functional.	
<input checked="" type="checkbox"/> Continued Upkeep		Chain missing for one tide gate.	
<input type="checkbox"/> None			

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Rutherford Ditch System (Rutherford) - Study Point #1

Date: 9/23/2022

Time of Inspection: 10:00 am

Tide Condition: High



Figure 1: Upstream view at tide gate



Figure 2: Downstream view at tide gate

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Rutherford Ditch System (Rutherford) - Study Point #1

Date: 9/23/2022

Time of Inspection: 10:00 am

Tide Condition: High



Figure 1: Upstream view at tide gate



Figure 2: Downstream view at tide gate

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name:	Acorn Road Ditch System (Secaucus) - Study Point #1		
Location:	Block 203	Lot 19.02	
Description:			
Date:	9/26/2022	Time of Inspection:	1:36 am
Tide Conditions:	High	Time of Tide Event:	10:09 am
Conditions:	Sunny		
Temperature:	77 F		
Inspected By:	Jeff Zielinski & Fawzia Shapiro		

Type of Inspection: <input checked="" type="checkbox"/> Yearly <input type="checkbox"/> Post-Storm <input type="checkbox"/> Complaint <input checked="" type="checkbox"/> Ditch <input checked="" type="checkbox"/> Tide Gate <input type="checkbox"/> Pump System	Notes on Condition / Problems: Ditch is clear. Banks are overgrown. Tide gate channel is clear. Tide gate is functioning.
System Designation: <input type="checkbox"/> Natural Stream <input checked="" type="checkbox"/> Manmade Channel <input type="checkbox"/> Catch Basin <input type="checkbox"/> Culvert <input type="checkbox"/> Outfall <input type="checkbox"/> Other:	Notes on Maintenance:
Overall Functionality: <input checked="" type="checkbox"/> Fully Functional <input type="checkbox"/> Functional with Restrictions <input type="checkbox"/> Non-Functional	Other Notes: Upstream trash rack at culvert is detached from headwall. Continue to monitor.
Maintenance Required: <input type="checkbox"/> Immediate <input checked="" type="checkbox"/> Repair <input checked="" type="checkbox"/> Continued Upkeep <input type="checkbox"/> None	

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Acorn Road Ditch System (Secaucus) - Study Point #1

Date: 9/26/2022

Time of Inspection: 1:36 am

Tide Condition: High



Figure 1: Upstream view of ditch at culvert



Figure 2: Downstream view at tide gate

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name:	Born Street Pump Station and Tide Gate (Secaucus)		
Location:	Block 163	Lot 1.01	
Description:			
Date:	10/5/2022	Time of Inspection:	10:20 am
Tide Conditions:	High	Time of Tide Event:	12:17 pm
Conditions:	Cloudy		
Temperature:	55 F		
Inspected By:	Jeff Zielinski & Fawzia Shapiro		

Type of Inspection: <input checked="" type="checkbox"/> Yearly <input type="checkbox"/> Post-Storm <input type="checkbox"/> Complaint <input checked="" type="checkbox"/> Ditch <input checked="" type="checkbox"/> Tide Gate <input checked="" type="checkbox"/> Pump System	Notes on Condition / Problems: Three vertical pumps, one pit pump and one Godwin backup pump are fully functional.
System Designation: <input checked="" type="checkbox"/> Natural Stream <input type="checkbox"/> Manmade Channel <input type="checkbox"/> Catch Basin <input type="checkbox"/> Culvert <input type="checkbox"/> Outfall <input type="checkbox"/> Other:	Notes on Maintenance: Maintained regularly by Secaucus DPW.
Overall Functionality: <input checked="" type="checkbox"/> Fully Functional <input type="checkbox"/> Functional with Restrictions <input type="checkbox"/> Non-Functional	Other Notes: Redundant TG at this location is not operational. New inline valve installed in pit at Riverside Court.
Maintenance Required: <input type="checkbox"/> Immediate <input type="checkbox"/> Repair <input type="checkbox"/> Continued Upkeep <input checked="" type="checkbox"/> None	

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Born Street Pump Station and Tide Gate (Secaucus)

Date: 10/5/2022

Time of Inspection: 10:20 am

Tide Condition: High



Figure 1: View at pump station



Figure 2: View at pump station

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name: Golden Avenue Pump Station (Secaucus)

Location: **Block** 82 **Lot** 11

Description:

Date: 10/5/2022

Time of Inspection: 12:00 pm

Tide Conditions: High

Time of Tide Event: 12:17 pm

Conditions: Cloudy

Temperature: 55 F

Inspected By: Jeff Zielinski & Fawzia Shapiro

Type of Inspection:		Notes on Condition / Problems:	
<input checked="" type="checkbox"/> Yearly	<input checked="" type="checkbox"/> Ditch	Two screw pumps, three pit pumps, and emergency generator are fully functional.	
<input type="checkbox"/> Post-Storm	<input type="checkbox"/> Tide Gate		
<input type="checkbox"/> Complaint	<input checked="" type="checkbox"/> Pump System		
System Designation:			
<input checked="" type="checkbox"/> Natural Stream	<input type="checkbox"/> Culvert		
<input type="checkbox"/> Manmade Channel	<input type="checkbox"/> Outfall		
<input type="checkbox"/> Catch Basin	<input type="checkbox"/> Other: _____		
Overall Functionality:		Notes on Maintenance:	
<input checked="" type="checkbox"/> Fully Functional		Maintained regularly by Secaucus DPW.	
<input type="checkbox"/> Functional with Restrictions			
<input type="checkbox"/> Non-Functional			
Maintenance Required:			
<input type="checkbox"/> Immediate		Other Notes:	
<input type="checkbox"/> Repair		Pump control panel in building with generator.	
<input type="checkbox"/> Continued Upkeep		Existing storm drain line has been tied into pump station during 2020, alleviating flooding in area.	
<input checked="" type="checkbox"/> None			

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Golden Avenue Pump Station (Secaucus)

Date: 10/5/2022

Time of Inspection: 12:00 pm

Tide Condition: High



Figure 1: View of pump station



Figure 2: View of pump station

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name:	Koelle Boulevard Tide Gate (Secaucus)		
Location:	Block 225	Lot 4.02	
Description:			
Date:	10/5/2022	Time of Inspection:	11:00 am
Tide Conditions:	High	Time of Tide Event:	12:17 pm
Conditions:	Cloudy		
Temperature:	55 F		
Inspected By:	Jeff Zielinski & Fawzia Shapiro		

Type of Inspection: <input checked="" type="checkbox"/> Yearly <input type="checkbox"/> Post-Storm <input type="checkbox"/> Complaint <input checked="" type="checkbox"/> Ditch <input checked="" type="checkbox"/> Tide Gate <input type="checkbox"/> Pump System	Notes on Condition / Problems: Ditch is clear of debris. Tide Gate (located near Creekside Manor) not visible at high tide. Heavy vegetation on banks
System Designation: <input checked="" type="checkbox"/> Natural Stream <input type="checkbox"/> Manmade Channel <input type="checkbox"/> Catch Basin <input type="checkbox"/> Culvert <input type="checkbox"/> Outfall <input type="checkbox"/> Other:	Notes on Maintenance: Maintained regularly by Secaucus DPW.
Overall Functionality: <input checked="" type="checkbox"/> Fully Functional <input type="checkbox"/> Functional with Restrictions <input type="checkbox"/> Non-Functional	Other Notes:
Maintenance Required: <input type="checkbox"/> Immediate <input type="checkbox"/> Repair <input type="checkbox"/> Continued Upkeep <input checked="" type="checkbox"/> None	

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Koelle Boulevard Tide Gate (Secaucus)

Date: 10/5/2022

Time of Inspection: 11:00 am

Tide Condition: High



Figure 1: View at tide gate



Figure 2: Downstream view at tide gate

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name:	Meadowlands Parkway Tide Gate 1 (Secaucus)		
Location:	Block 100	Lot 2	
Description:			
Date:	9/26/2022	Time of Inspection:	1:50 pm
Tide Conditions:	High	Time of Tide Event:	10:09 am
Conditions:	Sunny		
Temperature:	76 F		
Inspected By:	Jeff Zielinski & Fawzia Shapiro		

Type of Inspection: <input checked="" type="checkbox"/> Yearly <input type="checkbox"/> Post-Storm <input type="checkbox"/> Complaint <input checked="" type="checkbox"/> Ditch <input checked="" type="checkbox"/> Tide Gate <input type="checkbox"/> Pump System	Notes on Condition / Problems: Ditch is clear of debris. Banks are overgrown. Tide gate is functioning. Duck bill tide gate.
System Designation: <input type="checkbox"/> Natural Stream <input checked="" type="checkbox"/> Manmade Channel <input type="checkbox"/> Catch Basin <input checked="" type="checkbox"/> Culvert <input type="checkbox"/> Outfall <input type="checkbox"/> Other:	Notes on Maintenance:
Overall Functionality: <input checked="" type="checkbox"/> Fully Functional <input type="checkbox"/> Functional with Restrictions <input type="checkbox"/> Non-Functional	Other Notes: Adjacent to Red Roof Inn. New fence has been installed at the headwall.
Maintenance Required: <input type="checkbox"/> Immediate <input type="checkbox"/> Repair <input type="checkbox"/> Continued Upkeep <input checked="" type="checkbox"/> None	

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Meadowlands Parkway Tide Gate 1 (Secaucus)

Date: 9/26/2022

Time of Inspection: 1:50 pm

Tide Condition: High



Figure 1: Upstream view at tide gate



Figure 2: Downstream view of ditch at tide gate

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name: Meadowlands Parkway Tide Gate 2 (Secaucus)

Location: **Block** 100 **Lot** 2

Description:

Date: 9/26/2022 **Time of Inspection:** 1:53 pm

Time of Inspection: 1:53 pm

Tide Conditions: High **Time of Tide Event:** 10:09 am

Time of Tide Event: 10:09 am

Conditions: Sunny

Temperature: 76 F

Inspected By: Jeff Zielinski & Fawzia Shapiro

Type of Inspection:		Notes on Condition / Problems:	
<input checked="" type="checkbox"/> Yearly	<input checked="" type="checkbox"/> Ditch	Ditch is clear of debris but overgrown.	
<input type="checkbox"/> Post-Storm	<input checked="" type="checkbox"/> Tide Gate		
<input type="checkbox"/> Complaint	<input type="checkbox"/> Pump System		
System Designation:			
<input type="checkbox"/> Natural Stream	<input checked="" type="checkbox"/> Culvert		
<input checked="" type="checkbox"/> Manmade Channel	<input type="checkbox"/> Outfall		
<input type="checkbox"/> Catch Basin	<input type="checkbox"/> Other: _____	Notes on Maintenance:	
Overall Functionality:			
<input type="checkbox"/> Fully Functional			
<input type="checkbox"/> Functional with Restrictions			
<input checked="" type="checkbox"/> Non-Functional			
Maintenance Required:		Other Notes:	
<input type="checkbox"/> Immediate		Tide gate has been removed and new inlet/pipe installed by DPW.	
<input type="checkbox"/> Repair		Located adjacent to old Hess site.	
<input type="checkbox"/> Continued Upkeep			
<input checked="" type="checkbox"/> None			

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Meadowlands Parkway Tide Gate 2 (Secaucus)

Date: 9/26/2022

Time of Inspection: 1:53 pm

Tide Condition: High



Figure 1: Downstream view of ditch



Figure 2: Downstream view of ditch

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name:	River Road Tide Gate and Pump Station (Secaucus)		
Location:	Block 195	Lot 5	
Description:			
Date:	10/5/2022	Time of Inspection:	11:40 am
Tide Conditions:	High	Time of Tide Event:	12:17 pm
Conditions:	Cloudy		
Temperature:	55 F		
Inspected By:	Jeff Zielinski & Fawzia Shapiro		

Type of Inspection: <input checked="" type="checkbox"/> Yearly <input type="checkbox"/> Post-Storm <input type="checkbox"/> Complaint <input checked="" type="checkbox"/> Ditch <input checked="" type="checkbox"/> Tide Gate <input checked="" type="checkbox"/> Pump System	Notes on Condition / Problems: Tide gate is an internal check valve in pipe. Two underground pumps and a Primax above ground pump are fully functional.
System Designation: <input checked="" type="checkbox"/> Natural Stream <input type="checkbox"/> Manmade Channel <input type="checkbox"/> Catch Basin <input type="checkbox"/> Culvert <input type="checkbox"/> Outfall <input type="checkbox"/> Other:	Notes on Maintenance: Maintained regularly by Secaucus DPW.
Overall Functionality: <input checked="" type="checkbox"/> Fully Functional <input type="checkbox"/> Functional with Restrictions <input type="checkbox"/> Non-Functional	Other Notes:
Maintenance Required: <input type="checkbox"/> Immediate <input type="checkbox"/> Repair <input type="checkbox"/> Continued Upkeep <input checked="" type="checkbox"/> None	

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: River Road Tide Gate and Pump Station (Secaucus)

Date: 10/5/2022

Time of Inspection: 11:40 am

Tide Condition: High



Figure 1: View of pump station



Figure 2: View of pump station pit

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name: Route 3 West Tide Gate (Secaucus)

Location:	Block 180	Lot 23
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Description:

Date: 9/26/2022

Time of Inspection: 1:18 pm

Tide Conditions: High

Time of Tide Event: 10:09 am

Conditions: Sunny

Temperature: 76 F

Inspected By: Jeff Zielinski & Fawzia Shapiro

Type of Inspection:		Notes on Condition / Problems:	
<input checked="" type="checkbox"/> Yearly	<input checked="" type="checkbox"/> Ditch	Ditch is clear of debris.	
<input type="checkbox"/> Post-Storm	<input checked="" type="checkbox"/> Tide Gate	Tide gate is functioning.	
<input type="checkbox"/> Complaint	<input type="checkbox"/> Pump System		
System Designation:			
<input checked="" type="checkbox"/> Natural Stream	<input checked="" type="checkbox"/> Culvert		
<input type="checkbox"/> Manmade Channel	<input type="checkbox"/> Outfall		
<input type="checkbox"/> Catch Basin	<input type="checkbox"/> Other: _____	Notes on Maintenance:	
Overall Functionality:			
<input checked="" type="checkbox"/> Fully Functional			
<input type="checkbox"/> Functional with Restrictions			
<input type="checkbox"/> Non-Functional			
Maintenance Required:		Other Notes:	
<input type="checkbox"/> Immediate			
<input type="checkbox"/> Repair			
<input type="checkbox"/> Continued Upkeep			
<input checked="" type="checkbox"/> None			

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Route 3 West Tide Gate (Secaucus)

Date: 9/26/2022

Time of Inspection: 1:18 pm

Tide Condition: High



Figure 1: Upstream view at tide gate



Figure 2: Downstream view of ditch at tide gate

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name:	Secaucus High School Pump Station (Secaucus)		
Location:	Block 226	Lot 17.01	
Description:			
Date:	10/5/2022	Time of Inspection:	11:20 am
Tide Conditions:	High	Time of Tide Event:	12:17 pm
Conditions:	Cloudy		
Temperature:	55 F		
Inspected By:	Jeff Zielinski & Fawzia Shapiro		

Type of Inspection: <input checked="" type="checkbox"/> Yearly <input type="checkbox"/> Post-Storm <input type="checkbox"/> Complaint <input checked="" type="checkbox"/> Ditch <input type="checkbox"/> Tide Gate <input checked="" type="checkbox"/> Pump System	Notes on Condition / Problems: Two vertical pumps, one pit pump, Primax back-up pump and generator are functional.
System Designation: <input checked="" type="checkbox"/> Natural Stream <input type="checkbox"/> Manmade Channel <input type="checkbox"/> Catch Basin <input type="checkbox"/> Culvert <input type="checkbox"/> Outfall <input type="checkbox"/> Other:	Notes on Maintenance: Maintained regularly by Secaucus DPW.
Overall Functionality: <input checked="" type="checkbox"/> Fully Functional <input type="checkbox"/> Functional with Restrictions <input type="checkbox"/> Non-Functional	Other Notes:
Maintenance Required: <input type="checkbox"/> Immediate <input type="checkbox"/> Repair <input type="checkbox"/> Continued Upkeep <input checked="" type="checkbox"/> None	

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Secaucus High School Pump Station (Secaucus)

Date: 10/5/2022

Time of Inspection: 11:20 am

Tide Condition: High



Figure 1: View of pump station



Figure 2: View of emergency generator

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Drainage System Inspection Log

National Flood Insurance Program / Community Rating System

Site ID / Name:	Vincent Place/Teterboro Pump Station (Teterboro)		
Location:	Block	Lot	
Description:			
Date:	9/27/2022	Time of Inspection:	10:45 am
Tide Conditions:	High	Time of Tide Event:	10:41 am
Conditions:	Sunny		
Temperature:	64 F		
Inspected By:	Jeff Zielinski & Fawzia Shapiro		

Type of Inspection: <input checked="" type="checkbox"/> Yearly <input type="checkbox"/> Post-Storm <input type="checkbox"/> Complaint <input checked="" type="checkbox"/> Ditch <input checked="" type="checkbox"/> Tide Gate <input checked="" type="checkbox"/> Pump System	Notes on Condition / Problems: Ditch upstream and downstream of pump station is clear. Pump station is functioning.
System Designation: <input checked="" type="checkbox"/> Natural Stream <input type="checkbox"/> Manmade Channel <input type="checkbox"/> Catch Basin <input type="checkbox"/> Culvert <input type="checkbox"/> Outfall <input type="checkbox"/> Other:	Notes on Maintenance: Teterboro DPW regularly maintains the equipment.
Overall Functionality: <input checked="" type="checkbox"/> Fully Functional <input type="checkbox"/> Functional with Restrictions <input type="checkbox"/> Non-Functional	Other Notes: Six screw pumps and one generator.
Maintenance Required: <input type="checkbox"/> Immediate <input type="checkbox"/> Repair <input type="checkbox"/> Continued Upkeep <input checked="" type="checkbox"/> None	

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Drainage System Inspection Photos

National Flood Insurance Program / Community Rating System

Site ID/Name: Vincent Place/Teterboro Pump Station (Teterboro)

Date: 9/27/2022

Time of Inspection: 10:45 am

Tide Condition: High



Figure 1: Upstream view at pump station



Figure 2: Downstream view at pump station

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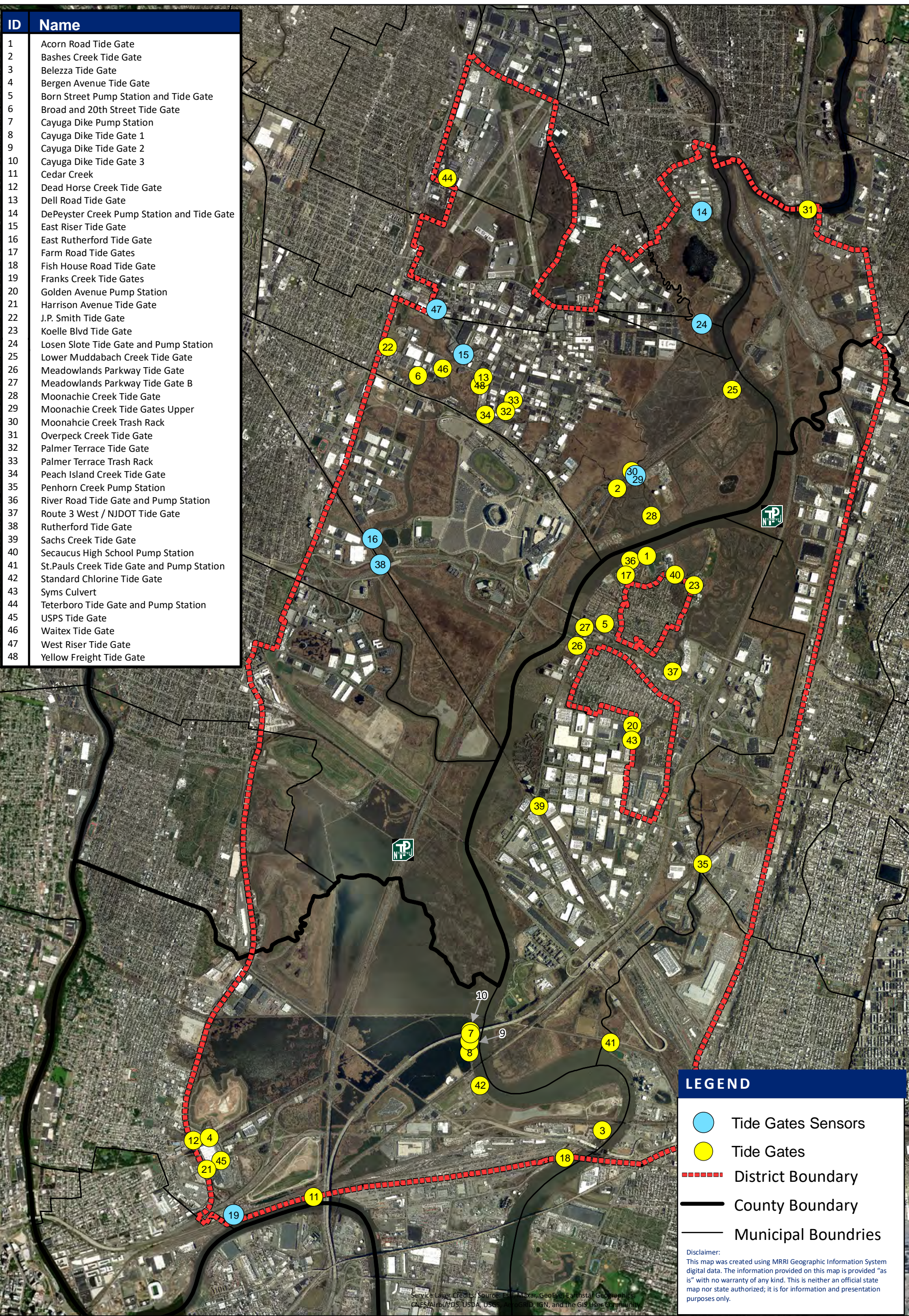
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NEW JERSEY SPORTS & EXPOSITION AUTHORITY

Tide Gate Monitored by NJSEA

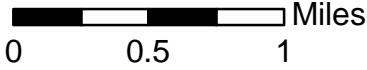
ID	Name
1	Acorn Road Tide Gate
2	Bashes Creek Tide Gate
3	Belezza Tide Gate
4	Bergen Avenue Tide Gate
5	Born Street Pump Station and Tide Gate
6	Broad and 20th Street Tide Gate
7	Cayuga Dike Pump Station
8	Cayuga Dike Tide Gate 1
9	Cayuga Dike Tide Gate 2
10	Cayuga Dike Tide Gate 3
11	Cedar Creek
12	Dead Horse Creek Tide Gate
13	Dell Road Tide Gate
14	DePeyster Creek Pump Station and Tide Gate
15	East Riser Tide Gate
16	East Rutherford Tide Gate
17	Farm Road Tide Gates
18	Fish House Road Tide Gate
19	Franks Creek Tide Gates
20	Golden Avenue Pump Station
21	Harrison Avenue Tide Gate
22	J.P. Smith Tide Gate
23	Koelle Blvd Tide Gate
24	Losen Slote Tide Gate and Pump Station
25	Lower Muddabach Creek Tide Gate
26	Meadowlands Parkway Tide Gate
27	Meadowlands Parkway Tide Gate B
28	Moonachie Creek Tide Gate
29	Moonachie Creek Tide Gates Upper
30	Moonahcie Creek Trash Rack
31	Overpeck Creek Tide Gate
32	Palmer Terrace Tide Gate
33	Palmer Terrace Trash Rack
34	Peach Island Creek Tide Gate
35	Penhorn Creek Pump Station
36	River Road Tide Gate and Pump Station
37	Route 3 West / NJDOT Tide Gate
38	Rutherford Tide Gate
39	Sachs Creek Tide Gate
40	Secaucus High School Pump Station
41	St.Pauls Creek Tide Gate and Pump Station
42	Standard Chlorine Tide Gate
43	Syms Culvert
44	Teterboro Tide Gate and Pump Station
45	USPS Tide Gate
46	Waitex Tide Gate
47	West Riser Tide Gate
48	Yellow Freight Tide Gate



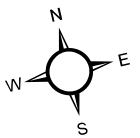
LEGEND

- Tide Gates Sensors
- Tide Gates
- District Boundary
- County Boundary
- Municipal Boundries

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Units: US Survey Feet
Datum: North American Datum 1983
Coordinate System: NJ State Plane
Data Source(s): MRRI



2022
Comunity Rating System