Clean Water Act Section 404: Site Visit/Case Development

United States Environmental Protection Agency

For inspections authorized pursuant to Clean Water Act sections 308 and 404 (33 U.S.C. §§ 1318 and 1344)

This report includes only factual information gained by documentation, onsite observations, and/or onsite interviews.

Inspector Name(s)	Marco Finocchiaro	Time In	11:30 AM	Start Date	April 7, 2022
		Time Out	2:00 PM	End Date	April 7, 2022
Inspector's Organization	US EPA Region 2, Water Division, Water Management Branch, Wetlands Protection Section				
Organization Requesting Inspection (if different)					
Inspection Type	Case Development	Inspection Status	Original		
Site Name	Vega Baja Landfill (hereinafter as "Landfill")				
Site Address*	PR-692 (Tax parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-00				
City*	Vega Baja	County*	Vega Alta	State* PR	Zip Code* 00692
Mailing Address*	PO Box 582				
City*	Vega Baja	County*		State* PR	Zip Code* 00694
Latitude*	18.477822	Longitude*	-66.359039		
Estimated Size of Site (acres)	1,300	Is there a home on the site?	☐ Yes	☒ No	
Inspector Signature	MARCO FINOCCHIARO Digitally signed by MARCO FINOCCHIARO Date: 2022.08.08 15:24:06 -04'00'	Date	8/8/22		
Supervisor Signature	Balla, Richard Digitally signed by Balla, Richard Date: 2022.08.08 19:10:18 -04'00'	Date	8/8/22		

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Site Name	Vega Baja Landfill (hereinafter as "Landfill")	Start Date	April 7, 2022
		End Date	April 7, 2022
Inspection Purpose	Initial site visit		

Opening Conference

☒ Presentation of Inspector Credentials

Name and Title (Use N/A if owner/operator not available to join the inspection)

Marco Finocchiaro, Inspector presented credentials to Gilberto Martinez Fernandez, Administrator of the landfill on behalf of EcoPark.

☐ Opening Conference

Name of person authorizing access if applicable

Gilberto Martinez Fernandez, Administrator of the landfill authorized access to the landfill on behalf of Joseph P. Hernández Cancel, President of EcoPark, who not present at the time of the visit.

Notes from Opening Conference

EPA explained the purpose of the inspection, EPA's and the Corps' roles with regulating wetlands under the CWA, and what areas would be inspected.

☒ Access Issues if Any

Describe

There is one road to enter and exit the site. The gated entrance on PR-688 has guards to allow access during landfill operating hours.

Inspection Observations and Sample Collection

Site Owner/Site Operator/Responsible Party (Name, title and contact information)

Joseph P. Hernández Cancel, President of EcoPark [redacted]

Additional Persons Present at Inspection

EPA: Sofia Olivero Lora, PhD, Seika Robinson, Jaime Lopez (Inspectors in training)

Gilberto Martinez Fernandez, Administrator [redacted]

Carlos Rivera Vazquez, Landfill Operation Manager [redacted]

Eng. Quintin De Jesus Rivas, Environmental Compliances Manager [redacted]

General Site Characteristics (layout of property, etc.)

The property is comprised of approximately 1,300-acre parcel containing a municipal landfill operation. The site must be entered off of PR-688 located on the southern-most border of the site.

Purpose and Need for Discharge of Dredged and/or Fill Material

The purpose of the fill material is for expanding and maintaining the continual use of the Vega Baja Landfill.

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Site Name	Vega Baja Landfill (hereinafter as "Landfill")	Start Date	April 7, 2022
		End Date	April 7, 2022

Site Overview (Past inspections, site description, permits, etc.)

There are no known Corps wetland permits for any activities on site or Jurisdictional Determinations for the Site. Starting in 2006, prior to EPA's CWA 404 inspection, EPA's RCRA program program has been working with Vega Baja Landfill in the past for environmental compliance and delineation of wetlands on the property due to unauthorized expansion of the landfill.

Scope of Inspection (Areas inspected or not inspected)

EPA predominately inspected in the southern portion of the landfill with a soil pit dug adjacent to the south east area outlined on the map labeled as Figure 1 attached. EPA drove along the western edge of the landfill activities on the property prior to exploring the southern portion of the landfill on foot for field wetland indicators.

Site Name	Vega Baja Landfill (hereinafter as "Landfill")	Start Date	April 7, 2022
		End Date	April 7, 2022

Environmental Conditions (e.g., wind, rain, smoke, dust, temperature, snow)

Temperatures were in the 70s (degrees in F); sunny; dry season but rained the day prior and some earlier in the day

Field Work Conducted

During the inspection, EPA collected photographs, GPS data, and handwritten notes. Observations were recorded with the understanding that the inspection occurred during the dry season and that it rained within 24 hours of the inspection.

EPA started the inspection at the administrative building on the property, located near the landfill end of the singular entrance/exit road for the landfill (hereinafter as the "main road"). EPA was driven around the southeastern expansion area (hereinafter as the "expansion area"). Approximately 6 feet of fill material comprised of dirt was observed in the entire expansion area. The fill material was spread throughout the expansion area of the Landfill footprint up to the adjacent channelized ditch, located south of the administrative building, that runs from east to west under the main road via a culvert. There were construction debris, soil piles and vegetative material piles throughout the site including on top of fill material in the expansion area. Trash and debris related to the municipal landfill activities were observed predominately within the northwest, central portions of the site.

Flowing from north to south are two ditches which line either side of the entry/exit main road. At the landfill end of the main road, flowing from east to west, the channelized ditch flows into the Rio Cibuco. All ditches connect at either side of the culvert under the road. The eastern end of the east-west flowing ditch is directly adjacent to the southeastern expansion area.

In a December 6, 2021 response letter to EPA's issued November 4, 2021 RFI letter, Ecopark acknowledged that they had created channelized ditches for storm water management purposes at the site. In 2012, Ecopark had the channelized ditch on the western side of the main road to drain water from the main landfill area directly into the Rio Cibuco to the southwest. In 2018, the channelized ditch was culverted under the main road and was extended approximately 0.15 miles east on the eastern side of the main road. At the time of the inspection, the channelized ditch was observed flowing contunuously from east to west, in the direction of the Rio Cibuco, and under the main road through a culvert.

EPA had walked west along the Landfill installed berm located directly north of the channelized ditch. The entirety of the channelized ditch was observed to maintain a surface water connection with the Rio Cibuco even during the dry season, confirming hydrologic connection of the channelized ditch to the Rio Cibuco, a navigable water of the US.

EPA had dug a soil pit south of the ditch and east of the main road to test for field wetland indicators. The location of the soil pit is marked on the site map attached labeled at Figure 1. The pit was dug within 20 feet of the south side the ditch. EPA observed positive wetland indicators in this area and noted wetland hydrology, hydric soils, wetland vegetation growth.

A larger scale field and/or remote wetland delineation would be required to determine geographic extent of wetlands and total fill area in wetlands.

Closing Conference

Documents Received and/or Requested During the Inspection

EPA did not request any additional documents during the time of the inspection. EPA did notify the Landfill that there is a separate EPA enforcement investigation with CEPD CWA 402 inspector Jaime Lopez. This inspection comprised a joint 404/402 inspection and Landfill was notified that future correspondence for both CWA 404 and 402 cases are to be expected.

Compliance Assistance Provided (If any)

N/A

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Site Name	Vega Baja Landfill (hereinafter as "Landfill")	Start Date	April 7, 2022
		End Date	April 7, 2022

Observations Relayed to Site Owner/Operator

N/A

Actions Taken by Owner/Operator During the Inspection (If any)

N/A

Potential Issues of Concern Including Regulatory Citations

Positive wetland indicators were observed on the site. A wetland delineation should be done for the site prior to conducting additional work within suspected wetland areas.

Attachments*

☒ Maps and Sketches

☒ Photographs (including location) and Photo Log

☒ Other (SSIP, Wetlands Delineation Forms, etc.)

Photolog; Map with soil pit location; wetland delineation form

Additional Notes

None.

CWA 404 Inspection

Vega Baja Landfill
parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

April 7, 2022

Date: April 7, 2022
Time: 11:11 AM
Photographer: Seika Robinson
Photo ID: P4070164

Description: Panorama of the landfill while entering the site. There is one road to enter and exit the site.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 11:12 AM
Photographer: Seika Robinson
Photo ID: P4070170

Description: Panorama of the landfill while entering the site. Photo was taken pointing northeast at the northern most end of the entrance/exit road.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 11:13 AM
Photographer: Seika Robinson
Photo ID: P4070173

Description: Condition of the two manmade channels have been created on both sides of the main road.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 12:01 PM
Photographer: Seika Robinson
Photo ID: P4070197

Description: Panorama of the eastern most located right of way (camera facing north).

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 12:03 PM
Photographer: Seika Robinson
Photo ID: P4070200

Description: Panorama of the landfill from the eastern portion of the property.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 12:03 PM
Photographer: Seika Robinson
Photo ID: P4070202

Description: Panorama of the center of the site with standing water.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 12:03 PM
Photographer: Seika Robinson
Photo ID: P4070203

Description: Panorama of the property to the east.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 11:42 AM
Photographer: Seika Robinson
Photo ID: P4070185

Description: Fill pile comprised of debris and earthen material abutting the ditch.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 11:42 AM
Photographer: Seika Robinson
Photo ID: P4070186

Description: View of the ditch from the top of the fill pile.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 11:39 AM
Photographer: Seika Robinson
Photo ID: P4070180

Description: Unnamed channelized ditch located south of the eastern portion of the landfill.

Red arrows marks the direction of the flow.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 12:25 PM
Photographer: Seika Robinson
Photo ID: P4070218

Description: Disturbance from cattle is seen throughout the areas inspected.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 12:05 PM
Photographer: Seika Robinson
Photo ID: P4070206

Description: Standing water found adjacent to the soil pit.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 12:36 PM
Photographer: Seika Robinson
Photo ID: P4070223

Description: Soil Pit dug to test for field indicators of wetland sails.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 12:38 PM
Photographer: Seika Robinson
Photo ID: P4070224

Description: Depletions and redox reaction observed within the soil pit.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 1:18 PM
Photographer: Seika Robinson
Photo ID: P4070250

Description: Located at the western side of the main road, a low-lying culvert over the manmade roadside channel.

Red arrows marks the direction of the flow.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 1:18 PM
Photographer: Seika Robinson
Photo ID: P4070249

Description: Located at the western side of the main road, a low-lying culvert over the manmade roadside channel.

Red arrows marks the direction of the flow.

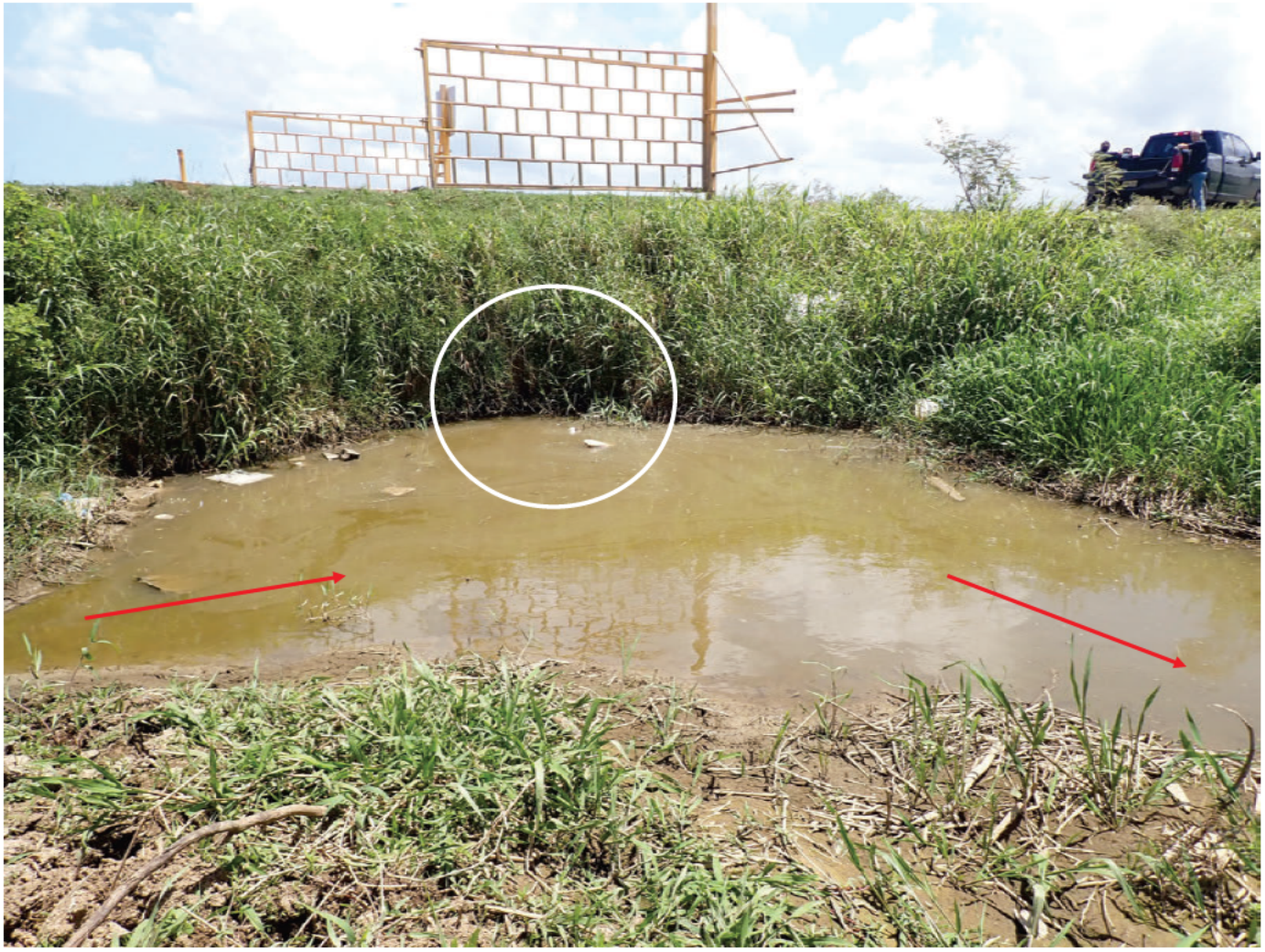
Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 12:52 PM
Photographer: Seika Robinson
Photo ID: P4070226

Description: Western side of the culverted road.

Red arrows marks the direction of the flow.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico



Date: April 7, 2022
Time: 12:53 PM
Photographer: Seika Robinson
Photo ID: P4070228

Description: Western side of the culverted main road. Culvert is covered in vegetation. Location of the culvert has been circled.

Red arrows marks the direction of the flow.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 12:56 PM
Photographer: Seika Robinson
Photo ID: P4070231

Description: Unnamed ditch flowing west of the main road.

Red arrows marks the direction of the flow.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 12:58 PM
Photographer: Seika Robinson
Photo ID: P4070232

Description: Unnamed ditch flowing west of the main road.

Red arrows marks the direction of the flow.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 1:08 PM
Photographer: Seika Robinson
Photo ID: P4070247

Description: The unnamed ditch draining into the Rio Cibuco.

Rio Cibuco in the background and unnamed ditch in the foreground. Red arrows marks the direction of the flow.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 1:06 PM
Photographer: Seika Robinson
Photo ID: P4070243

Description: Panorama of the Rio Cibuco flowing.

Red arrows marks the direction of the flow.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 1:08 PM
Photographer: Seika Robinson
Photo ID: P4070246

Description: Upland area on the north side of the unnamed ditch.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Date: April 7, 2022
Time: 1:03 PM
Photographer: Seika Robinson
Photo ID: P4070241

Description: Upland area on the north side of the unnamed ditch.

Vega Baja Landfill at parcel numbers 018-000-006-02-010, 018-000-006-02-004, 018-000-006-02-999, 018-075-352-51-000, and 036-000-002-30 in the Municipality of Vega Baja, Puerto Rico

Figure 1 Site Map

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Caribbean Islands Region
See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R

Requirement Control Symbol
EXEMPT
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Vega Baja Landfill Municipality/Town: Vega Baja Sampling Date: April 7, 2022

Applicant/Owner: Puerto Rico Ecopark PR or USVI: PR Sampling Point: 1

Investigator(s): Marco Finocchiaro, Seika Robinson, Jaime Lopez Ward/Estate:

Landform (hillside, terrace, etc.): Landfill Local relief (concave, convex, none): Slope (%):

Lat: 18.477822 Long: -66.359039 Datum:

Soil Map Unit Name: NWI classification:

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)

Are Vegetation X, Soil X, or Hydrology X significantly disturbed? Are "Normal Circumstances" present? Yes No X

Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No	**Is the Sampled Area within a Wetland?** **Yes** X **No**
Hydric Soil Present?	Yes X	No	
Wetland Hydrology Present?	Yes X	No	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 10ft)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: 10ft)			
1. *Mimosa malacophylla*	40	Yes	FACW
2. *Senna alata*	10	Yes	FACW
3.			
4.			
5.			
	50 =Total Cover		
Herb Stratum (Plot size: 10ft)			
1. *Commelina erecta*	40	Yes	FAC
2. *Paspalum fasciculatum*	70	Yes	FACW
3.			
4.			
5.			
6.			
7.			
8.			
	110 =Total Cover		
Woody Vine Stratum (Plot size: 10ft)			
1.			
2.			
	=Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	120	x 2 =	240
FAC species	40	x 3 =	120
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	160 (A)		360 (B)

Prevalence Index = B/A = 2.25

Hydrophytic Vegetation Indicators:

- 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- X 3 - Prevalence Index is ≤3.0[1]
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** X **No**

Remarks:
The area has been significantly disturbed by the landfill activities. Addition of fill material, removal of vegetaion, and rechannelizing a ditch have occurred in the area surrounding the soil pit.

SOIL

Sampling Point: 1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 3/4	50	10YR 3/1	50	c	PL	Loamy/Clayey	Faint redox concentrations
4-7	5Y 3/1	85	5YR 3/4	15	RM	M	Loamy/Clayey	
7-10.5	5Y 2.5/1	98	2.5Y 4/4	2	D	M	Mucky Loam/Clay	
10.5-18	5Y 3/1	60	2.5Y 4/3	40	C	M	Loamy/Clayey	Distinct redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- X Organic Bodies (A6)
- X 5 cm Mucky Mineral (A7)
- ___ Muck Presence (A8)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Stratified Layers (A5)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (Inches): _____

Hydric Soil Present? **Yes** X **No** ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- X Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Fiddler Crab Burrows (C10)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes aq	No X	Depth (inches): ___
Water Table Present?	Yes ___	No X	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No X	Depth (inches): ___

Wetland Hydrology Present? **Yes** X **No** ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The area has been impacted from earthmoving activities from the landfill operations/expansion, the unautherized rechanneling of the ditch and the free roaming of cattle on the site.