

SU147480000B, INDIAN RIVER FARMS LAKE #2, 979832, 2017-04-11

Created	2017-04-02 01:57:11 UTC by Jaime Parson
Updated	2017-06-20 14:03:08 UTC by Michelle Karpaitis
Location	36.7479382274851, -76.1265877750949
Status	■ Complete

Overall Information

HIGHEST SCORE	2
Inspector	Michelle Karpaitis
Team	Team 2
Compkey	979832
UnitID	SU147480000B
SWMF_Name	INDIAN RIVER FARMS LAKE #2
Date	2017-04-11
Time	09:52
Weather	Sunny, Windy, Mild
Rainfall	No Rain
Address	2548 Belmont Stakes Dr Virginia Beach, VA 23456
Ownership GIS	P-FQ
General Comments	Several small pipes and hoses appear to be draining into pond from pools, may be causing slope erosion. Pond has steep slope. Rip rap around water's edge seems to help with erosion. Grass filter strip was sparse around pond. There is evidence of a filter strip, but the grasses are cut too short. Woody vegetation in several areas along slope of pond. Patches of bare soil in some locations around pond. Some carving of the slope near the end of the pond at the riser spillway. Flow channel leading to a sinkhole on the slope. Aquatic vegetation growing inside of inlet F12509-1033. Could cause a clogging issue in the future. Also, woody vegetation growing around the same inlet.

General Photos



Structure built into slope. Possibly to drain private pool.

SWMF Inspection Guidance TRASH/DEBRIS 1. Is there excessive trash/debris? 2. Is trash/debris causing a blockage? VEGETATION 1. Appropriate vegetation within each inundation zone? 2. Woody growth on forebay, embankment, side slopes, spillway, and/or within 5 feet of outlet pipe barrel? 3. Any invasive species/weeds? 4. Vegetation diseased, dying, or dead? STRUCTURAL INTEGRITY 1. Inlet and outlet provide stable conveyance in and out of pond? 2. Deteriorating, misaligned, broken or missing pieces? 3. Seepage into inlet or outlet piping? 4. Soft spots, boggy areas, seepage or sinkholes present? EROSION 1. Settlement, cracking, bulging, misalignment, erosion rills deeper than 2 inches, or sloughing? 2. Is there evidence of erosion, undercutting, and/or bare or exposed soil in any of the facilities? 3. Is discharge causing undercutting, erosion, or displaced rip-rap at or around the outlet? SEDIMENTATION 1. Evidence of clogging in pre-treatment cell (standing water, noticeable odors, water stains, algae or floating aquatic vegetation)? 2. Excess sediment deposits? 3. Water levels in one or more cells abnormally high or low? 4. Is sedimentation causing a blockage? MISCELLANEOUS 1. Adequate access to the facility? 2. Any other observations that need correction?

1 - SEDIMENT FOREBAY INSPECTED	N/A
1 - First Highest Sediment Forebay Score and Defect type	0 -
1 - First Highest Sediment Forebay Score	0
2 - PRE-TREATMENT GRASS FILTER STRIP INSPECTED	Yes

Vegetation

Pre-treatment Grass Filter Strip Defect Type	Vegetation
Pre-treatment Grass Filter Strip Defect Type Score	1 = Moderate condition. Adequately maintained, routine maintenance needed.

Pre-treatment Grass Filter Strip Defect Type Photo



Grass filter strip cut too short along pond. It would seem to be in good condition if allowed to grow.

Pre-treatment Grass Filter Strip Comment	Filter strip sparse around pond
2 - First Highest Pre Treatment Grass Filter Strip Score and Defect type	1 - Vegetation
2 - First Highest Pre Treatment Grass Filter Strip Score	1
3 - SIDE SLOPE INSPECTED	Yes

Vegetation

Side Slope Defect Type	Vegetation
Side Slope Defect Type Score	1 = Moderate condition. Adequately maintained, routine maintenance needed.

Side Slope Defect Type Photo



Woody vegetation in several areas along slope of pond.

Side Slope Comment

Woody vegetation in several areas along slope of pond.

Erosion

Side Slope Defect Type

Erosion

Side Slope Defect Type Score

1 = Moderate condition. Adequately maintained, routine maintenance needed.

Side Slope Defect Type Photo



Patches of bare soil in some locations around

Side Slope Comment

Patches of bare soil in some locations around pond.

Erosion

Side Slope Defect Type

Erosion

Side Slope Defect Type Score

1 = Moderate condition. Adequately maintained, routine maintenance needed.

Side Slope Defect Type Photo



Some carving of the slope near the end of the pond at the riser spillway.

Side Slope Comment

Some carving of the slope near the end of the pond at the riser spillway.

Structural

Side Slope Defect Type

Structural

Side Slope Defect Type Score

1 = Moderate condition. Adequately maintained, routine maintenance needed.

Side Slope Defect Type Photo



Flow channel leading to sinkhole on slope.

Side Slope Comment

Flow channel leading to sinkhole on slope.

Erosion

Side Slope Defect Type

Erosion

Side Slope Defect Type Score

2 = Degraded condition. Poorly maintained, routine maintenance and repairs needed.

Side Slope Defect Type Photo



Side Slope Comment

6" deep erosion hole on the side slope

Erosion

Side Slope Defect Type

Erosion

Side Slope Defect Type Score

2 = Degraded condition. Poorly maintained, routine maintenance and repairs needed.

Side Slope Defect Type Photo



Side Slope Comment

6" deep erosion hole on the side slope

Erosion

Side Slope Defect Type

Erosion

Side Slope Defect Type Score

2 = Degraded condition. Poorly maintained, routine maintenance and repairs needed.

Side Slope Defect Type Photo



Side Slope Comment

Large depression on side slope

Erosion

Side Slope Defect Type

Erosion

Side Slope Defect Type Score

2 = Degraded condition. Poorly maintained, routine maintenance and repairs needed.

Side Slope Defect Type Photo



Side Slope Comment	24" hole in side slope with upstream bank erosion.
3 - First Highest Side Slope Score and Defect type	2 - Erosion
3 - First Highest Side Slope Score	2
4 - EMBANKMENT INSPECTED	N/A
4 - First Highest Embankment Score and Defect Type	0 -
4 - First Highest Embankment Score	0
5 - RISER PRINCIPAL SPILLWAY INSPECTED	Yes
Riser Principal Spillway Defect Type Score	0 = Good condition. Well maintained, no action required.
Riser Principal Spillway Comment	F12509-1025 Shown on field map as a storm node.
5 - First Highest Riser Principal Spillway Score and Defect type	0 -
5 - First Highest Riser Principal Spillway Score	0
6 - INLET INSPECTED	Partial see comments
Inlet ID	F12509-1036

Inlet Defect Type Photo



Structure submerged, but looks to be in good condition. Shown on map as a storm node.

Inlet Comment	Structure mostly submerged, but looks to be in good condition. Connects to F12509-1037 from Indian River Farms Lake #1. Shown on field map as a storm node.
Inlet ID	F12509-1000
Inlet Comment	Unable to locate pipe. Located upstream manhole, asset number not indicated on map. Shown on field map as a storm node.
Inlet ID	F12509-1030
Inlet Comment	Submerged. Unable to locate locate inlet with probe. Located upstream storm drain F12509-1031. Shown on field map as a storm node.
Inlet ID	F12509-1026
Inlet Comment	Submerged. Able to locate with probe, but unable to inspect. Shown on field map as a storm node.
Inlet ID	F12509-1057
Inlet Comment	Able to locate with probe. Unable to inspect because submerged. Shown on field map as a storm node.

Vegetation

Inlet Defect Type	Vegetation
Inlet ID	F12509-1033
Inlet Defect Type Score	1 = Moderate condition. Adequately maintained, routine maintenance needed.

Inlet Defect Type Photo



Aquatic vegetation growing inside of pipe. Also, woody vegetation growing around outside of pipe. Shown on map as a storm node.

Inlet Comment	Aquatic vegetation growing inside of inlet F12509-1033. Also, woody vegetation growing around outside of pipe. Shown on field map as a storm node.
6 - First Highest Inlet Score and Defect type	1 - Vegetation
6 - First Highest Inlet Score	1
7 - OUTLET INSPECTED	N/A
7 - First Highest Outlet Score and Defect type	0 -
7 - First Highest Outlet Score	0
8 - OVERFLOW EMERGENCY SPILLWAY INSPECTED	N/A
8 - First Highest Overflow Emergency Spillway Score and Defect type	0 -
8 - First Highest Overflow Emergency Spillway Score	0
Routine SWMF	Yes
Repairs Needed	Yes

Signature

A handwritten signature in black ink, appearing to read 'M. Caldwell', written in a cursive style.

Signed 2017-04-11 15:00:47 UTC

