

## Wet Pond Checklist

**BMP Site Name:** Davis Lake Charlotte

**Date:** 5/18/2015

**Pond Name:**

### Item-by-Item Observation Key:

FF	Fully Functional (No Corrective Action Needed)
OWI	Operating with Issues (Suggested Corrective Action)
OWI-COR	Corrective Action Completed
NF	Not Functional (Corrective Action Needed)
NF-COR	Corrective Action Completed
MON	Monitor (Monitor for a period of time)
APP	Application
N/A	Not Applicable

### INFLOW POINTS

Assessment	Status	Comments	Corrective Action
Obstruction: vegetation/debris/sediment	OWI	Sediment deposition in the head section.	Mitigate sediment.
Erosion/undercutting	FF		
Displacement/sedimentation of fabric or rip-rap	OWI	Some erosion at the inlet in the corner of the dam.	Repair eroded area.
Pipe condition	FF		
Other (Describe)			

### FOREBAY (AS APPLICABLE)

Assessment	Status	Comments	Corrective Action
Sediment/debris accumulation	N/A		
Bare soil/erosion on side slopes	N/A		
Invasive vegetation	N/A		
Other (Describe)			

### MAIN POND POOL AREA

Assessment	Status	Comments	Corrective Action
Visible pollution/muddiness of water quality,	MON	Muddy water entering the lake from the creek. We will continue to monitor the situation.	
Sediment accumulation	FF		
Trash accumulation	OWI-COR		Removed trash from pond.
Is vegetative shelf thriving? *	FF		
Invasive vegetation (%) *	FF		
Algae cover (%) *	OWI-COR	Some filamentous algae along rip rap on dam.	Treated algae.
Bare soil/erosion on side slopes	OWI	Area with bank sloughing and bare soil around the gazebo and dam persists.	Repair bank sloughing and cover bare soil to prevent further erosion.

Side slopes maintained as mowed/covered	<b>OWI</b>	Tall brush along many of the shorelines.	
Other (Describe)			

### EMBANKMENT

Assessment	Status	Comments	Corrective Action
Bare soil, erosion, loss of dam material	<b>OWI</b>	Bare soil above the rip-rap on the dam	Cover bare soil to prevent erosion.
Emergency spillway properly armored and free of woody vegetation	<b>N/A</b>		
Animal burrows	<b>OWI</b>	Extensive muskrat damage persists.	Trap muskrats and repair damaged shorelines.
Signs of seepage on downstream face	<b>FF</b>		
Signs of structural failure: i.e., horizontal/vertical cracks	<b>FF</b>		
Upslope, top, and downslope mowed. Any shrubs/trees present (>3" tall)	<b>MON</b>	There are some trees along the downslope of dam/road.	
Other (Describe)			

### OUTLET DEVICE

Assessment	Status	Comments	Corrective Action
Obstructed pipe, trash rack, or draw-down orifice	<b>FF</b>		
Erosion/undercutting	<b>FF</b>		
Joint failure/loss of joint material, soil piping	<b>FF</b>		
Overall structural condition	<b>FF</b>		
Leaking devices	<b>FF</b>		
Sediment in Pipe	<b>FF</b>		
Displacement of fabric/rip-rap	<b>FF</b>		
Water level returns to normal pool (> 5 days after rainfall)	<b>FF</b>		
Other (Describe)			

### WATER QUALITY

Parameter	Observations	Comments
Water Level	Mean Level	
Visibility (inches)	16	
Alkalinity (ppm)	45	
Hardness (ppm)	32	
pH	7.5	

Temperature (°F)	82	
------------------	----	--

### MISCELLANEOUS

Assessment	Observations	Comments
Sequential BMP devices present (level spreader, grass swale, etc.)	<input type="checkbox"/>	
Access	Limited	Some areas are only accessible by boat and there is no made for purpose boat access.
Evidence of landscape maintenance being performed?	<input checked="" type="checkbox"/>	
Fence condition (if applicable)		
Fountain / Aerator / Diffused Air	<input type="checkbox"/>	
Fish Stocked	<input type="checkbox"/>	
Other (Describe)		

### ADDITIONAL COMMENTS / RECOMMENDATION:

Trap muskrats: this will likely be an activity that has to be done on at least an annual basis to reduce ongoing damage to the shorelines.