

SOLITUDE

LAKE MANAGEMENT



Miromar Lakes CDD Waterway Inspection Report

Reason for Inspection: Routine Scheduled

Inspection Date: 2021-12-20

Prepared for:

**Miromar Lakes CDD
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Fort Myers, Florida 33913**

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Site: 1A

Comments:

Requires attention

Treat for vines, thalia noted near the middle of the fairway. Algae and aquatic weeds are at controlled levels.

Action Required:

Routine maintenance next visit

Target:

Shoreline weeds



Site: 1B

Comments:

Normal growth observed

Spot treat for vines, minimal alligatorweed noted as well, spot treat thalia along fairway. Algae and aquatic weeds are at controlled levels.

Action Required:

Routine maintenance next visit

Target:

Shoreline weeds



Site: 1C

Comments:

Site looks good

Shoreline grasses and brush are well maintained. Algae and aquatic weeds are at controlled levels. Aeration was not running during inspection.

Action Required:

Routine maintenance next visit

Target:

Species non-specific



Site: 2A

Comments:

Requires attention
Treat for vines spot treat thalia along fairway. Algae and aquatic weeds are at controlled levels.

Action Required:

Routine maintenance next visit

Target:

Shoreline weeds



Site: 3A

Comments:

Requires attention
Treat for vines and torpedograss. Minimal algae noted. Spot treat marine naiad in open areas along hole 6.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 3B

Comments:

Normal growth observed
Shoreline grasses and brush are well maintained. Algae and aquatic weeds are at controlled levels. Monitor and treat as needed for marine naiad.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 3C

Comments:

Treatment in progress
Shoreline grasses and brush were recently treated monitor and treat as needed. Algae and aquatic weeds are at controlled levels.



Action Required:

Routine maintenance next visit

Target:

Shoreline weeds

Site: 6A

Comments:

Normal growth observed
Spot treat for minimal vines. Algae and aquatic weeds are at controlled levels. Large washout found in NE corner of lake.



Action Required:

Routine maintenance next visit

Target:

Shoreline weeds

Site: 6B

Comments:

Normal growth observed
Spot treat minimal vines. Algae and aquatic weeds are at controlled levels.



Action Required:

Routine maintenance next visit

Target:

Shoreline weeds

Site: 6C

Comments:

Site looks good

Shoreline grasses and brush are well maintained. Algae and aquatic weeds are at controlled levels.



Action Required:

Routine maintenance next visit

Target:

Species non-specific

Site: 6D

Comments:

Requires attention

Spot treat for vines, Thalia and bulrush noted along fairway . Algae and aquatic weeds are at controlled levels.



Action Required:

Routine maintenance next visit

Target:

Shoreline weeds

Site: 6E

Comments:

Normal growth observed

Shoreline is well maintained, minimal vines noted. Algae and aquatic weeds are at controlled levels.



Action Required:

Routine maintenance next visit

Target:

Shoreline weeds

Site: 6F

Comments:

Normal growth observed

Recent treatment for grasses and brush appears efficacious. Algae and aquatic weeds are at controlled levels.

Action Required:

Routine maintenance next visit

Target:

Shoreline weeds



Site: 6G

Comments:

Normal growth observed

Spot treat patches of vines. Algae and aquatic weeds are at controlled levels. Continue to treat marine naiad growth.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 6H

Comments:

Site looks good

Shoreline grasses and brush are well maintained. Lake color and clarity have both improved since last inspection.

Action Required:

Routine maintenance next visit

Target:

Species non-specific



Site: 6I

Comments:

Site looks good

Shoreline grasses and brush are well maintained. Algae and aquatic weeds are at controlled levels, previously observed algae bloom has cleared.

Action Required:

Routine maintenance next visit

Target:

Species non-specific



Site: 6J

Comments:

Site looks good

Shoreline grasses and brush are well maintained. Algae and aquatic weeds are at controlled levels,

Action Required:

Routine maintenance next visit

Target:

Species non-specific



Site: 6K

Comments:

Normal growth observed

Shoreline grasses and brush are well maintained, spot treat minimal vines and torpedograss. Algae and aquatic weeds are at controlled levels.

Action Required:

Routine maintenance next visit

Target:

Torpedograss



Site: 6L

Comments:

Requires attention

Shoreline is well maintained. Some planktonic algae banding was noted, spot treat.

Action Required:

Routine maintenance next visit

Target:

Planktonic algae



Site: 6M

Comments:

Normal growth observed

Shoreline is well maintained. Algae and aquatic weeds are at controlled levels. Lake was slightly planktonic but no banding was noted.

Action Required:

Routine maintenance next visit

Target:

Planktonic algae



Site: 6N

Comments:

Normal growth observed

Shoreline is well maintained. Algae and aquatic weeds are at controlled levels. Lake was slightly planktonic but no banding was noted.

Action Required:

Routine maintenance next visit

Target:

Planktonic algae



Site: 6O

Comments:

Normal growth observed

Shoreline is well maintained. Algae and aquatic weeds are at controlled levels. Lake was slightly planktonic but no banding was noted.

Action Required:

Routine maintenance next visit

Target:

Planktonic algae



Site: 6P

Comments:

Site looks good

Shoreline is well maintained. Algae and aquatic weeds are at controlled levels.

Action Required:

Routine maintenance next visit

Target:

Species non-specific



Site: 6R

Comments:

Site looks good

Shoreline grasses and brush are well maintained. Algae and aquatic weeds are at controlled levels.

Action Required:

Routine maintenance next visit

Target:

Species non-specific



Site: 5/6-1

Comments:

Site looks good

Shoreline is well maintained. Algae and aquatic weeds are at controlled levels.



Action Required:

Routine maintenance next visit

Target:

Species non-specific

Site: 5/6-2

Comments:

Site looks good

Shoreline is well maintained. Algae and aquatic weeds are at controlled levels.



Action Required:

Routine maintenance next visit

Target:

Species non-specific

Site: 5/6-3

Comments:

Normal growth observed

Shoreline grasses and brush are well maintained. Algae and aquatic weeds are at controlled levels. Vallisneria noted in Ravenna canal.



Action Required:

Routine maintenance next visit

Target:

Submersed vegetation

Site: 5/6-4

Comments:

Site looks good

Shoreline is well maintained. Algae and aquatic weeds are at controlled levels.

**Action Required:**

Routine maintenance next vis

Target:

Species non-specific

Management Summary**Observations and Action Items:**

- The main issues found during the inspection were the growth of shoreline weeds. Targets include: alligatorweed, vines, torpedograss, growing with the beneficial littoral plants. Overall improvement in the shoreline growth was noted. The shoreline buffer around the golf course lakes may be unintentionally contributing to the weed growth since the buffer can act as a seed source and it is in close proximity to the lake littoral plants. The buffer can help reduce fertilizer entering the ponds and help mitigate erosion but can exacerbate weed growth in beneficial littorals. The majority of the weed issues were noted on the lakes on the golf course.
- Algae growth was fairly limited, spot treat maine naiad at sites 6G, 3B, and 3A.
- Aeration was off at site 1C, this system was recently worked on and needs a follow visit, this was reported to Eric Carnall the manager for aeration and fountains.
- A large washout was located in the NE corner of lake 6A.
- The next quality control report will be due April 2022.

Site	Comments	Target	Action Required
1A	Requires attention	Shoreline weeds	Routine maintenance next visit
1B	Normal growth observed	Shoreline weeds	Routine maintenance next visit
1C	Site looks good	Species non-specific	Routine maintenance next visit
2A	Requires attention	Shoreline weeds	Routine maintenance next visit
3A	Requires attention	Submersed vegetation	Routine maintenance next visit
3B	Normal growth observed	Submersed vegetation	Routine maintenance next visit
3C	Treatment in progress	Shoreline weeds	Routine maintenance next visit
6A	Normal growth observed	Shoreline weeds	Routine maintenance next visit
6B	Normal growth observed	Shoreline weeds	Routine maintenance next visit
6C	Site looks good	Species non-specific	Routine maintenance next visit
6D	Requires attention	Shoreline weeds	Routine maintenance next visit
6E	Normal growth observed	Shoreline weeds	Routine maintenance next visit
6F	Normal growth observed	Shoreline weeds	Routine maintenance next visit
6G	Normal growth observed	Submersed vegetation	Routine maintenance next visit
6H	Site looks good	Species non-specific	Routine maintenance next visit
6I	Site looks good	Species non-specific	Routine maintenance next visit
6J	Site looks good	Species non-specific	Routine maintenance next visit
6K	Normal growth observed	Torpedograss	Routine maintenance next visit
6L	Requires attention	Planktonic algae	Routine maintenance next visit
6M	Normal growth observed	Planktonic algae	Routine maintenance next visit
6N	Normal growth observed	Planktonic algae	Routine maintenance next visit
6O	Normal growth observed	Planktonic algae	Routine maintenance next visit
6P	Site looks good	Species non-specific	Routine maintenance next visit
6R	Site looks good	Species non-specific	Routine maintenance next visit
5/6-1	Site looks good	Species non-specific	Routine maintenance next visit
5/6-2	Site looks good	Species non-specific	Routine maintenance next visit
5/6-3	Normal growth observed	Submersed vegetation	Routine maintenance next visit
5/6-4	Site looks good	Species non-specific	Routine maintenance next visit



