

SOLITUDE

LAKE MANAGEMENT



Flow Way CDD at Esplanade Golf and Country Club Waterway Inspection Report

Reason for Inspection: Quality Control

Inspection Date: 2023-05-30

Prepared for:

**Flow Way CDD at Esplanade Golf and Country Club
8910 Torre Vista Lane
Naples, FL 34119**

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Site: 1

Comments:

Requires attention

Shoreline grasses and brush are well-maintained. Treat for surface algae. Algae bloom is likely a result of submersed treatment.

Action Required:

Re-inspect next visit

Target:

Surface algae



Site: 2

Comments:

Requires attention

Spot treat littorals for vines, torpedograss and annual weeds. Treatment for Illinois pondweed is in progress. Erosion noted between lot lines.

Action Required:

Re-inspect next visit

Target:

Shoreline weeds



Site: 3

Comments:

Normal growth observed

Spot treat vines and annual weeds in littorals. No algae observed. Treat for spatterdock.

Action Required:

Routine maintenance next visit

Target:

Shoreline weeds



Site: 4

Comments:

Requires attention

Spot treat torpedograss and annual weeds in littorals. Some surface algae observed. Treat for spatterdock. Treatment for fanwort is in progress.

Action Required:

Routine maintenance next visit

Target:

Shoreline weeds



Site: 5A

Comments:

Normal growth observed

Shoreline grasses and brush are well-maintained. No algae. Treat for spatterdock.

Action Required:

Routine maintenance next visit

Target:

Floating Weeds



Site: 5B

Comments:

Normal growth observed

Shoreline grasses and brush are well-maintained. Spot treat minimal vines and spatterdock. No algae. Treatment for fanwort is in progress. Some soft rush was noted.

Action Required:

Routine maintenance next visit

Target:

Floating Weeds



Site: 6

Comments:

Requires attention

Shoreline grasses and brush are well-maintained. Spot treat minimal torpedograss. No algae. Treat for spatterdock.

Action Required:

Routine maintenance next visit

Target:

Floating Weeds



Site: 7

Comments:

Normal growth observed

Shoreline grasses and brush are well-maintained. Spot treat torpedograss and annual weeds. Erosion occurring behind homes. Treatment for chara is in progress.

Action Required:

Routine maintenance next visit

Target:

Shoreline weeds



Site: 8

Comments:

Requires attention

Spot treat torpedograss and annual weeds in littorals. Treat surface algae resulting from submersed treatment. Treatment for fanwort is in progress.

Action Required:

Routine maintenance next visit

Target:

Shoreline weeds



Site: 9

Comments:

Normal growth observed
 Shoreline grasses and brush are well-maintained. No algae. Spot treat minimal spatterdock.



Action Required:

Routine maintenance next visit

Target:

Floating Weeds

Site: 10

Comments:

Normal growth observed
 Shoreline grasses and brush are well-maintained. No algae. Spot treat minimal spatterdock. Treatment for fanwort is in progress.



Action Required:

Routine maintenance next visit

Target:

Submersed vegetation

Site: 11

Comments:

Requires attention
 Spot treat willow, dog fennel and vine growth within dense littoral shelf. No algae. Some erosion occurring on exposed banks.



Action Required:

Routine maintenance next visit

Target:

Shoreline weeds

Site: 12

Comments:

Normal growth observed

Shoreline grasses and brush are well-maintained. No algae. Treat minimal spatterdock. Treatment for fanwort is in progress.

Action Required:

Routine maintenance next visit

Target:

Floating Weeds



Site: 13

Comments:

Normal growth observed

Shoreline well-maintained. Spot treat minimal torpedograss. No algae. Treatment for Illinois pondweed is in progress. Erosion noted along lot lines.

Action Required:

Routine maintenance next visit

Target:

Torpedograss



Site: 14

Comments:

Normal growth observed

Shoreline is well maintained. Minor surface algae noted likely from submersed treatment. Lot line erosion noted, with larger washouts in N. branch of lake.

Action Required:

Routine maintenance next visit

Target:

Surface algae



Site: 15A**Comments:**

Site looks good

Shoreline grasses and brush are well-maintained. Algae and submersed vegetation are at controlled levels. Lot line erosion occurring.

Action Required:

Routine maintenance next visit

Target:

Species non-specific

**Site: 15B****Comments:**

Normal growth observed

Shoreline grasses and brush are well-maintained. Spot treat minimal torpedograss. No algae. Lot line erosion occurring.

Action Required:

Routine maintenance next visit

Target:

Torpedograss

**Site: 16****Comments:**

Normal growth observed

Spot treat dog fennel, torpedograss and annual weeds along shoreline. Algae and submersed vegetation are at controlled levels.

Action Required:

Routine maintenance next visit

Target:

Shoreline weeds



Site: 17

Comments:

Normal growth observed

Shoreline is well maintained. Spot treat minimal annual weed growth. No algae. Algae and submersed vegetation are at controlled levels.

Action Required:

Routine maintenance next visit

Target:

Torpedograss



Site: 18

Comments:

Requires attention

Treat torpedograss along shoreline. Treatment for purple bladderwort was effective. No algae observed.

Action Required:

Routine maintenance next visit

Target:

Torpedograss



Site: 19

Comments:

Normal growth observed

Shoreline is well maintained. Spot treat minimal torpedograss, spatterdock and slender spikerush. Erosion along lot lines and washouts noted.

Action Required:

Routine maintenance next visit

Target:

Shoreline weeds



Site: 20

Comments:

Requires attention

Shoreline grasses and brush are well-maintained. Surface algae observed likely as result of chara treatment. Continue to treat chara.

Action Required:

Routine maintenance next visit

Target:

Muskgrass



Site: 21

Comments:

Requires attention

Spot treat vines and torpedograss within littorals. No algae. Minimal surface algae noted likely from chara treatment. Erosion and washouts noted.

Action Required:

Routine maintenance next visit

Target:

Shoreline weeds



Site: 22

Comments:

Requires attention

Treat torpedograss, slender spikerush and spatterdock. No algae. Treatment for Illinois pondweed. was effective. Lot line erosion and washouts noted.

Action Required:

Routine maintenance next visit

Target:

Shoreline weeds



Site: 23

Comments:

Requires attention

Spot treat torpedograss growth in littorals. No algae. Trace spatterdock noted. Treat slender spikerush on exposed banks. Mild erosion in SE cove of lake.

Action Required:

Routine maintenance next visit

Target:

Torpedograss



Site: 24

Comments:

Normal growth observed

Spot treat vines and annual weeds in littorals. No algae.. Trace spatterdock noted.

Action Required:

Routine maintenance next visit

Target:

Shoreline weeds



Site: 25

Comments:

Normal growth observed

Shoreline is well maintained. Minimal algae noted as a result from submersed treatment. Minor erosion and washouts noted behind homes.

Action Required:

Routine maintenance next visit

Target:

Surface algae



Site: 26

Comments:

Treatment in progress

Shoreline grasses and brush are well-maintained. Treatment for cabomba is in progress. Lot line and pool drain erosion occurring.



Action Required:

Routine maintenance next visit

Target:

Submersed vegetation

Site: 27

Comments:

Normal growth observed

Shoreline grasses and brush are well-maintained. No algae. Traces of spatterdock observed. Minimal hydrilla noted, treat as needed. Lot line erosion occurring.



Action Required:

Routine maintenance next visit

Target:

Submersed vegetation

May, 2023

Site: FW1

Comments:

Normal growth observed

Treat for torpedogras and slender spikerush along shoreline No algae. Treatment for spatterdock, Illinois pondweed and fanwort is in progress.



Action Required:

Routine maintenance next visit

Target:

Shoreline weeds

Site: FW2

Comments:

Normal growth observed

Shoreline grasses and brush are well-maintained. Treatment for spatterdock, Illinois pondweed and fanwort is in progress.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: FW3

Comments:

Requires attention

Treat for torpedogras and slender spikerush along shoreline. No algae. Treatment for spatterdock, Illinois pondweed and fanwort is in progress.

Action Required:

Routine maintenance next visit

Target:

Shoreline weeds



Management Summary

- Overgrowth of shoreline weeds was noted in several sites.
- An algae bloom was observed in lake 1 likely as result of a submersed treatment. Overall there were little to no algae blooms observed in all other lakes.
- The majority of ponds that require attention are those with floating aquatic vegetation growth. There has been improvement with the amount of submersed vegetation in the lakes. The technician will need to continue to monitor and treat the submersed vegetation as needed.
- Many of the lakes do not have good coverage of littorals high on the lake banks and this may be exacerbating the erosion issues noted during this inspection. Some lakes also had substantial washouts, lake 17 being a good example. Most of the erosion was found between homes where downspouts are located, the sheet flow from the concentrated runoff often causes this erosion. Some of the washouts were also likely from pool drains though this seemed much less common.
- The degree of water fluctuation these ponds experience between the wet and dry seasons may be the reason why there is not good coverage of littorals high on the lake banks. Some of the lake banks were also quite rocky and may not be conducive to littoral establishment, since it is a poor substrate.

Site	Comments	Target	Action Required
1	Requires attention	Surface algae	Re-inspect next visit
2	Requires attention	Shoreline weeds	Re-inspect next visit
3	Normal growth observed	Shoreline weeds	Routine maintenance next visit
4	Requires attention	Shoreline weeds	Routine maintenance next visit
5A	Normal growth observed	Floating Weeds	Routine maintenance next visit
5B	Normal growth observed	Floating Weeds	Routine maintenance next visit
6	Requires attention	Floating Weeds	Routine maintenance next visit
7	Normal growth observed	Shoreline weeds	Routine maintenance next visit
8	Requires attention	Shoreline weeds	Routine maintenance next visit
9	Normal growth observed	Floating Weeds	Routine maintenance next visit
10	Normal growth observed	Submersed vegetation	Routine maintenance next visit
11	Requires attention	Shoreline weeds	Routine maintenance next visit
12	Normal growth observed	Floating Weeds	Routine maintenance next visit
13	Normal growth observed	Torpedograss	Routine maintenance next visit
14	Normal growth observed	Surface algae	Routine maintenance next visit
15A	Site looks good	Species non-specific	Routine maintenance next visit
15B	Normal growth observed	Torpedograss	Routine maintenance next visit
16	Normal growth observed	Shoreline weeds	Routine maintenance next visit
17	Normal growth observed	Torpedograss	Routine maintenance next visit
18	Requires attention	Torpedograss	Routine maintenance next visit
19	Normal growth observed	Shoreline weeds	Routine maintenance next visit
20	Requires attention	Muskgrass	Routine maintenance next visit
21	Requires attention	Shoreline weeds	Routine maintenance next visit
22	Requires attention	Shoreline weeds	Routine maintenance next visit
23	Requires attention	Torpedograss	Routine maintenance next visit
24	Normal growth observed	Shoreline weeds	Routine maintenance next visit
25	Normal growth observed	Surface algae	Routine maintenance next visit
26	Treatment in progress	Submersed vegetation	Routine maintenance next visit
27	Normal growth observed	Submersed vegetation	Routine maintenance next visit
FW1	Normal growth observed	Shoreline weeds	Routine maintenance next visit
FW2	Normal growth observed	Submersed vegetation	Routine maintenance next visit
FW3	Requires attention	Shoreline weeds	Routine maintenance next visit



