

SOLITUDE

LAKE MANAGEMENT



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

Reason for Inspection: Quality Control

Inspection Date: 2023-01-10

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 is well maintained.
 Treat for spatterdock.



Action Required:

Routine maintenance next visit

Target:

Floating Weeds

Site: 2

Comments:

Requires attention
 Treat torpedograss within the littorals. Treat for Illinois pondweed and spatterdock. Algae at controlled levels.



Action Required:

Routine maintenance next visit

Target:

Submersed vegetation

Site: 3

Comments:

Normal growth observed
 Shoreline is well-maintained.
 Treat for spatterdock. Algae and aquatic weeds are at controlled levels



Action Required:

Routine maintenance next visit

Target:

Floating Weeds

Site: 4

Comments:

Requires attention

Shoreline looks good. Spot treat minimal torpedo grass. Treat for spatterdock, Illinois pondweed, chara and red ludwigia.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 5A

Comments:

Requires attention

Shoreline is well-maintained, minimal vines noted. Algae at controlled levels. Treat for spatterdock.

Action Required:

Routine maintenance next visit

Target:

Floating Weeds



Site: 5B

Comments:

Requires attention

Spot treat cattails observed within the littorals. Algae is at controlled levels. Treat for spatterdock.

Action Required:

Routine maintenance next visit

Target:

Floating Weeds



Site: 6

Comments:

Requires attention

Shoreline is well maintained.
Submersed vegetations is at controlled levels. Monitor and treat filamentous algae as needed.
Treat for spatterdock.

Action Required:

Routine maintenance next visit

Target:

Floating Weeds



Site: 7

Comments:

Normal growth observed

Shoreline is well maintained.
Submersed vegetation is at controlled levels. Monitor and treat filamentous algae as needed.

Action Required:

Routine maintenance next visit

Target:

Species non-specific



Site: 8

Comments:

Requires attention

Shoreline is well maintained.
Algae is at controlled levels.
Treat for spatterdock.

Action Required:

Routine maintenance next visit

Target:

Floating Weeds



Site: 9

Comments:

Normal growth observed
 Shoreline is well maintained.
 Submersed vegetation is at controlled levels. Monitor and treat surface algae as needed.
 Treat for spadderdock.



Action Required:

Routine maintenance next visit

Target:

Surface algae

Site: 10

Comments:

Normal growth observed
 Shoreline is well maintained.
 Algae and submersed vegetation are at controlled levels. Treat for spatterdock.



Action Required:

Routine maintenance next visit

Target:

Floating Weeds

Site: 11

Comments:

Requires attention
 Spot treat for vines and torpedograss within the littorals.
 Treat for spatterdock and bladderwort.



Action Required:

Routine maintenance next visit

Target:

Submersed vegetation

Site: 12

Comments:

Requires attention

Shoreline is well maintained. Algae and submersed weeds are at controlled levels. Treat for spatterdock.

Action Required:

Routine maintenance next visit

Target:

Floating Weeds



Site: 13

Comments:

Requires attention

Shoreline is well maintained. Algae is at controlled levels. Treat Illinois pondweed and Vallisneria. Erosion noted along lot lines.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 14

Comments:

Requires attention

Shoreline is well maintained. Treat for bladderwort, Vallisneria and chara. Lot line erosion noted, with larger washouts in N branch of lake.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 15A

Comments:

Requires attention

Shoreline is well maintained, minimal growth noted. Algae is at controlled levels. Treat as needed for Illinois pondweed and bacopa. Lot line erosion occurring.

Action Required:

Routine maintenance next visit

Target:

Shoreline weeds



Site: 15B

Comments:

Requires attention

Shoreline is well-maintained minimal growth noted. Bladderwort, hydrilla and red ludwigia were observed. Treat as needed. Lot line erosion present.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 16

Comments:

Normal growth observed

Shoreline is well maintained. Submersed and algae are at controlled levels. Treat for bacopa as needed. Lot line erosion and some washout areas noted.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 17

Comments:

Normal growth observed

Spot treat minimal torpedograss. Algae and submersed vegetation are at controlled levels. Some severe washouts and widespread lot line erosion were observed.

Action Required:

Routine maintenance next visit

Target:

Torpedograss



Site: 18

Comments:

Requires attention

Shoreline is well maintained. Treat for purple bladderwort, chara and spatterdock.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 19

Comments:

Requires attention

Shoreline is well maintained. Treat for purple bladderwort and spatterdock. Some algae was observed. Erosion along lot lines and washouts noted.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 20

Comments:

Normal growth observed

Shoreline is well maintained. Some algae observed. Submersed vegetation is at controlled levels.



Action Required:

Routine maintenance next visit

Target:

Sub-surface algae

Site: 21

Comments:

Normal growth observed

Shoreline is well maintained. Spot treat minimal torpedograss. Algae and submersed vegetation are at controlled levels.



Action Required:

Routine maintenance next visit

Target:

Species non-specific

Site: 22

Comments:

Requires attention

Shoreline is well maintained. Treat for Illinois pondweed and chara.



Action Required:

Routine maintenance next visit

Target:

Submersed vegetation

Site: 23

Comments:

Normal growth observed

Shoreline is well maintained.
Treat for spatterdock. Algae and submersed vegetation are at controlled levels.



Action Required:

Routine maintenance next visit

Target:

Floating Weeds

Site: 24

Comments:

Site looks good

Shoreline is well maintained.
Algae and submersed vegetation are at controlled levels.



Action Required:

Routine maintenance next visit

Target:

Species non-specific

Site: 25

Comments:

Normal growth observed

Shoreline is well maintained.
Spot treat minimal torpedograss.
Algae and submersed vegetation are at controlled levels. Erosion noted behind homes.



Action Required:

Routine maintenance next visit

Target:

Torpedograss

Site: 26

Comments:

Site looks good

Shoreline is well maintained. Algae and submersed vegetation are at controlled levels. Lot line and pool drain erosion occurring.

Action Required:

Routine maintenance next visit

Target:

Species non-specific



Site: 27

Comments:

Site looks good

Shoreline is well maintained. Algae and submersed vegetation are at controlled levels.

Action Required:

Routine maintenance next visit

Target:

Species non-specific



Site: FW1

Comments:

Requires attention

Treat for bladderwort, spatterdock, bacopa, and Illinois pondweed. Some torpedograss observed within the littorals. Spot treat as needed.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: FW2**Comments:**

Requires attention

Shoreline is well maintained.
Treat for bladderwort,
spatterdock, bacopa, and Illinois
pondweed

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation

**Site:** FW3**Comments:**

Requires attention

Treat for spatterdock and
torpedograss. Algae is at
controlled levels.

Action Required:

Routine maintenance next visit

Target:

Floating Weeds

**Management Summary**

- Very little or no algae was observed and did not appear to be an issue in any pond during this inspection. No FLEPPC listed aquatic weeds were found.
- The majority of ponds that require attention were for floating weeds/lilies or submersed aquatic vegetation.
- 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, lakes 17 and 19 being a good examples. 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	Floating Weeds	Routine maintenance next visit
2	Requires attention	Submersed vegetation	Routine maintenance next visit
3	Normal growth observed	Floating Weeds	Routine maintenance next visit
4	Requires attention	Submersed vegetation	Routine maintenance next visit
5A	Requires attention	Floating Weeds	Routine maintenance next visit
5B	Requires attention	Floating Weeds	Routine maintenance next visit
6	Requires attention	Floating Weeds	Routine maintenance next visit
7	Normal growth observed	Species non-specific	Routine maintenance next visit
8	Requires attention	Floating Weeds	Routine maintenance next visit
9	Normal growth observed	Surface algae	Routine maintenance next visit
10	Normal growth observed	Floating Weeds	Routine maintenance next visit
11	Requires attention	Submersed vegetation	Routine maintenance next visit
12	Requires attention	Floating Weeds	Routine maintenance next visit
13	Requires attention	Submersed vegetation	Routine maintenance next visit
14	Requires attention	Submersed vegetation	Routine maintenance next visit
15A	Requires attention	Shoreline weeds	Routine maintenance next visit
15B	Requires attention	Submersed vegetation	Routine maintenance next visit
16	Normal growth observed	Submersed vegetation	Routine maintenance next visit
17	Normal growth observed	Torpedograss	Routine maintenance next visit
18	Requires attention	Submersed vegetation	Routine maintenance next visit
19	Requires attention	Submersed vegetation	Routine maintenance next visit
20	Normal growth observed	Sub-surface algae	Routine maintenance next visit
21	Normal growth observed	Species non-specific	Routine maintenance next visit
22	Requires attention	Submersed vegetation	Routine maintenance next visit
23	Normal growth observed	Floating Weeds	Routine maintenance next visit
24	Site looks good	Species non-specific	Routine maintenance next visit
25	Normal growth observed	Torpedograss	Routine maintenance next visit
26	Site looks good	Species non-specific	Routine maintenance next visit
27	Site looks good	Species non-specific	Routine maintenance next visit
FW1	Requires attention	Submersed vegetation	Routine maintenance next visit
FW2	Requires attention	Submersed vegetation	Routine maintenance next visit
FW3	Requires attention	Floating Weeds	Routine maintenance next visit



