

SOLITUDE

LAKE MANAGEMENT



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

Reason for Inspection: Quality Control

Inspection Date: 2023-02-21

Prepared for:

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

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TABLE OF CONTENTS

	Pg
SITE ASSESSMENTS	
PONDS 1, 2, 3	3
PONDS 4, 5A, 5B	4
PONDS 6, 7, 8	5
PONDS 9, 10, 11	6
PONDS 12, 13, 14	7
PONDS 15A, 15B, 16	8
PONDS 17, 18, 19	9
PONDS 20, 21, 22	10
PONDS 23, 24, 25	11
PONDS 26, 27, FW1-FW3	12, 13
MANAGEMENT/COMMENTS SUMMARY	13, 14
SITE MAP	15, 16

Site: 1

Comments:

Requires attention

Shoreline grasses and brush are well-maintained. No algae. Treat for Illinois pondweed beginning to surface out and for spatterdock.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 2

Comments:

Requires attention

Shoreline grasses and brush are well-maintained. Treat for Illinois pondweed, fanwort and spatterdock. Some surface algae noted. Erosion noted between lot lines

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 3

Comments:

Requires attention

Shoreline is well maintained. No algae. Treat for red ludwigia, chara and spatterdock.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 4

Comments:

Requires attention
 Spot treat torpedograss in littorals. Some surface algae observed. Treat for fanwort, red ludwigia and spatterdock.



Action Required:

Routine maintenance next visit

Target:

Submersed vegetation

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:

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



Action Required:

Routine maintenance next visit

Target:

Floating Weeds

Site: 6

Comments:

Requires attention

Shoreline grasses and brush are well-maintained. 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. Treat for spatterdock and chara. Erosion occurring behind homes.

Action Required:

Routine maintenance next visit

Target:

Floating Weeds



Site: 8

Comments:

Requires attention

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

Action Required:

Routine maintenance next visit

Target:

Floating 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.



Action Required:

Routine maintenance next visit

Target:

Submersed vegetation

Site: 11

Comments:

Normal growth observed
 Spot treat cattails and vine overgrowth within dense littoral shelf. No algae. Some erosion occurring on exposed banks.



Action Required:

Routine maintenance next visit

Target:

Shoreline weeds

Site: 12

Comments:

Requires attention

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

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 13

Comments:

Requires attention

Shoreline well-maintained. No algae. Treat Illinois pondweed. Red ludwigia, slender spikerush, bacopa, and spatterdock present. Erosion noted along lot lines.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 14

Comments:

Requires attention

Spot treat torpedograss along shoreline. No algae. Treat for fanwort and spatterdock. Lot line erosion noted, with larger washouts in N. branch of lake.

Action Required:

Routine maintenance next visit

Target:

Floating Weeds



Site: 15A

Comments:

Requires attention

Shoreline grasses and brush are well-maintained. No algae. Treat for fanwort and slender spikerush. Lot line erosion occurring.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 15B

Comments:

Requires attention

Shoreline grasses and brush are well-maintained. Treat for fanwort and chara. Lot line erosion occurring.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 16

Comments:

Normal growth observed

Shoreline grasses and brush are well-maintained. No algae. Treat for alligator weed. Traces of parrots feather growth noted.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 17

Comments:

Requires attention

Spot treat for torpedograss. No algae. Algae and submersed vegetation are at controlled levels.

Action Required:

Routine maintenance next visit

Target:

Torpedograss



Site: 18

Comments:

Requires attention

Shoreline grasses and brush are well-maintained. Treat for surface algae, purple bladderwort 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. Erosion along lot lines and washouts noted.

Action Required:

Routine maintenance next visit

Target:

Floating Weeds



Site: 20

Comments:

Normal growth observed

Shoreline grasses and brush are well-maintained. No algae. Minimal chara noted. Erosion and washouts noted behind homes.

Action Required:

Routine maintenance next visit

Target:

Species non-specific



Site: 21

Comments:

Normal growth observed

Spot treat vines within littorals. No algae. Minimal chara noted. Erosion and washouts noted behind homes.

Action Required:

Routine maintenance next visit

Target:

Shoreline weeds



Site: 22

Comments:

Requires attention

Shoreline grasses and brush are well-maintained. No algae. Treat for Illinois pondweed, and slender spikerush. Lot line erosion and washouts noted.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation



Site: 23

Comments:

Normal growth observed

Shoreline grasses and brush are well-maintained. No algae. Trace spatterdock noted. Mild erosion in SE cove of lake.

Action Required:

Routine maintenance next visit

Target:

Floating Weeds



Site: 24

Comments:

Normal growth observed

Shoreline grasses and brush are well-maintained. Some surface algae noted. Trace spatterdock noted.

Action Required:

Routine maintenance next visit

Target:

Floating Weeds



Site: 25

Comments:

Normal growth observed

Spot treat minimal torpedograss in littorals. No algae. Minor erosion and washouts noted behind homes.

Action Required:

Routine maintenance next visit

Target:

Torpedograss



Site: 26

Comments:

Site looks good

Shoreline grasses and brush are well-maintained. Lake is slightly planktonic. Lot line and pool drain erosion occurring.



Action Required:

Routine maintenance next visit

Target:

Species non-specific

Site: 27

Comments:

Normal growth observed

Shoreline grasses and brush are well-maintained. No algae. Traces of spatterdock observed. Lot line erosion occurring.



Action Required:

Routine maintenance next visit

Target:

Species non-specific

Site: FW1

Comments:

Requires attention

Shoreline grasses and brush are well-maintained. No algae. Treat for spatterdock, red luwigia, slender spikerush and bladderwort.



Action Required:

Routine maintenance next visit

Target:

Submersed vegetation

Site: FW2**Comments:**

Requires attention

Shoreline grasses and brush are well-maintained. Treat for spatterdock, red ludwigia, slender spikerush and bladderwort

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation

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

Requires attention

Shoreline grasses and brush are well-maintained. No algae. Treat for spatterdock, red ludwigia, slender spikerush and bladderwort.

Action Required:

Routine maintenance next visit

Target:

Submersed vegetation

**Management Summary**

- The shorelines across all sites appear to be well maintained for invasive grasses, brush, or vines.
- Very little or no algae was observed and did not appear to be an issue in any pond during this inspection.
- The majority of ponds that require attention are those with submersed aquatic vegetation growth. Species include: Illinois pondweed, fanwort, slender spikerush, red ludwigia, purple bladderwort and chara.
- 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	Submersed vegetation	Routine maintenance next visit
2	Requires attention	Submersed vegetation	Routine maintenance next visit
3	Requires attention	Submersed vegetation	Routine maintenance next visit
4	Requires attention	Submersed vegetation	Routine maintenance next visit
5A	Normal growth observed	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	Floating Weeds	Routine maintenance next visit
8	Requires attention	Floating 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	Normal growth observed	Shoreline weeds	Routine maintenance next visit
12	Requires attention	Submersed vegetation	Routine maintenance next visit
13	Requires attention	Submersed vegetation	Routine maintenance next visit
14	Requires attention	Floating Weeds	Routine maintenance next visit
15A	Requires attention	Submersed vegetation	Routine maintenance next visit
15B	Requires attention	Submersed vegetation	Routine maintenance next visit
16	Normal growth observed	Submersed vegetation	Routine maintenance next visit
17	Requires attention	Torpedograss	Routine maintenance next visit
18	Requires attention	Submersed vegetation	Routine maintenance next visit
19	Requires attention	Floating Weeds	Routine maintenance next visit
20	Normal growth observed	Species non-specific	Routine maintenance next visit
21	Normal growth observed	Shoreline weeds	Routine maintenance next visit
22	Requires attention	Submersed vegetation	Routine maintenance next visit
23	Normal growth observed	Floating Weeds	Routine maintenance next visit
24	Normal growth observed	Floating Weeds	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	Normal growth observed	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	Submersed vegetation	Routine maintenance next visit



