

2023

**LAKE ENGLISH ESTATES
LAKE MANAGEMENT PLAN**

Annual Meeting

- Agenda

Lake Management Plan

- General Provisions
- Community-Based Activities & Events
- County Services
 - Lake Management & Supplemental Programs
- Current Fiscal Year
 - Planned Treatments & Funding
 - Recommendations
- Next Fiscal Year
 - Projected Treatments & Funding
- Exhibits
 - Agenda & Notes Prior Year
 - Financial Summary
 - Capital Assessment Payment Schedule
 - Roles & Responsibilities

LAKE ENGLISH ESTATES

ANNUAL MEETING

Date /Time/ Location:	Friday, January 27, 2023 /9:00 am – 9:45 am/ ZOOM Virtual
Community Liaisons:	Corby Hoback
Liaisons Present:	
Seminole County:	Thomas Calhoun, Tony Cintron, Daniel Barber, Chad Day, Michael Eason, Tameka Morton, Michelle Rosa-Munger, Lynda Reaves

General Topics & Updates

Lake Management Program

- Welcome
- Shoreline Protection Ordinance Status
 - County Shoreline Ordinance adopted April 2021
 - No change to permitting due to size of waterbody
- Treatment Plans - Current & Proposed [Refer to Lake Management Plan]
 - Continue to monitor and treat accordingly
 - Continue to monitor algal blooms
 - Monthly SeClear treatments for algae and nutrient reduction
 - Herbicide treatment currently conducted monthly by canoe
- General Recommendations for Lake Community Consideration [Refer to Lake Management Plan]
 - Increase native aquatic plantings in areas devoid of vegetation
 - Hold community meetings
- 2023 Shoreline Planting Event – Tentative dates
 - To be coordinated via Tony Cintron
 - Plants funded by MSBU funds
- Other
 - Email Addresses for routine communications and important announcements
 - Welcome packets for any new residents
 - Contingency building could be used for special projects (aquatic planting) or lower assessment
 - Corby to ask father-in-law to be liaison
 - Whole lake treatment = ~\$2000

MSBU Program & Resource Management Department

- Financial Summary [Refer to Exhibit B]

LAKE ENGLISH ESTATES LAKE MANAGEMENT PLAN

GENERAL PROVISIONS

Scope of Public Lake Management Services

The scope of public lake management services funded by non-ad-valorem assessment includes those services associated with managing aquatic plant communities as deemed beneficial and/or critical to restoring, developing and/or maintaining conditions that enhance the water quality and over-all health of the waterbody; with emphasis on providing public services for public purposes which by definition of public are limited to the waterbody and respective shoreline when/where noxious and/or invasive exotic vegetation could/would threaten or impede the waterbody.

Governing documents

- Seminole County Ordinance 2017-26

Methods for Aquatic Weed Control as authorized via County Ordinance/Resolution

- Chemical (herbicides)
- Biological (sterile triploid grass carp fish [TGC])
- Mechanical (harvesting, cutting, etc.)
- Physical (hand removal)

Targeted Invasive/Exotic Aquatic Vegetation

- Torpedo grass, para grass, lily pads, primrose willow, alligator weed, wild taro, Salvinia, duck weed, algae.

Frequency of Aquatic Vegetation Management Treatment (herbicides)

Treatment services are performed at the direction of the Seminole County LMP as per the Lake English Estates Management Plan reviewed at the annual planning session with the expectation that the Seminole County LMP may alter anticipated treatments on an as merited basis per changing/evolving conditions noted during site inspections.

Herbicide Treatments - Service Provider

- As determined by Seminole County

Funding

Financial management of the MSBU fund is provided by the Seminole County MSBU Program. Financial plans developed by the MSBU Program include eligible expense funding requests submitted by the Lake Management Program and other cost and revenue components typical to MSBU funds. Financial information inclusive of prior year actual outcome, current year working budget and next year budget proposal data is reported annually. Assessment levy is subject to Board approval and the standard procedures associated with non-ad valorem assessment. The financial plans may be adjusted by the County as merited per changing/evolving essential services as directed by the County and per financial planning considerations. The annual assessment is capped at \$850.00.

Seminole County Employees

Information for contacting the employees of Lake Management and the MSBU program:

Lake Management – Thomas Calhoun (tcalhoun@seminolecountyfl.gov), Tony Cintron (acintron@seminolecountyfl.gov), Daniel Barber (dbarber02@seminolecountyfl.gov), Chad Day (cday02@seminolecountyfl.gov)

MSBU – Michael Eason (meason@seminolecountyfl.gov), Tameka Morton (tmorton@seminolecountyfl.gov), Michelle Rosa-Munger (mrosamunger@seminolecountyfl.gov)

Lake Liaisons

Designated property owners (or their designated representatives) provide community representation at annual planning sessions with the County and serve voluntarily as the key point of contact for community inquiries and concerns. The liaisons for Lake English Estates is: Corby Hoback (corby@foundingway.com)

COMMUNITY-BASED ACTIVITIES & EVENTS

LMP recommends/encourages homeowners to coordinate a resident-based volunteer event involving native plantings creating a beneficial shoreline for Lake English Estates. The intention of such an event is to plant beneficial native aquatic plants in key areas along the bank. It is especially important that as the aquatic invasive plants (such as torpedo grass) are being treated, native aquatic plants should be established within these areas. The presence of the recommended native plant species along the shoreline provides habitat for fish and wildlife, helps impede invasive exotics from re-establishing, and reduces erosion of the shoreline. All of these best management practices are essential to providing the conditions that promote an environmentally stable habitat to be enjoyed by generations to come. The key to success is dependent on strong participation of the Lake English Estates community.

Continued recommendations for community initiatives are as follows:

- 1) Plant a healthy shoreline with native emergent plants;
- 2) Establishing a formal Lake Association holding at least one annual meeting with topics relevant to your lake;
- 3) Establish a backyard berm and swale system where applicable;
- 4) Continue to increase educational outreach programs i.e. Shoreline Restoration Workshops (planting days), Florida Yards and Neighborhoods (FYN), Lake Management Video mail-outs, and reduction of residential pollution such as grass clippings, Contact us at 407-665-5542 for assistance;
- 5) Fertilize wisely by using phosphorous free and slow-release nitrogen based fertilizers only. Visit www.seminolecountyfl.gov/fertilizer for more information; and
- 6) Provide content for the Seminole County Water Atlas Lake Management Webpage for your lake (such as newsletters and photos).

Important to Note: When herbicides are applied along the shoreline to invasive plants (such as torpedo grass), overspray onto adjacent desirable vegetation may occur. In order to avoid damage to desired vegetation, manual (by hand) removal (by property owner) of the undesirable species from among the desirable species along the shoreline is advised. If the invasive plants are removed by this method, spraying the area can be reduced, thereby offering greater protection to the desirable species. The physical removal of dead/decaying aquatic plant material will reduce the volume of decomposing vegetation on the lake bottom (muck layer) and will increase the success of the efforts to limit the re-growth of the invasive plants. The presence of submerged aquatic vegetation (“SAV” such as hydrilla) should be communicated to your lake liaison for their reporting to the County so appropriate treatment of SAV can be provided.

COUNTY SERVICES – Lake Management & Supplemental Programs

While the MSBU assessment includes a nominal charge for administering the MSBU, the amount charged does not cover all the expenses incurred by the County on behalf of the waterfront property owners. Lake English Estates is monitored by LMP to assess the aquatic plant growth. LMP provides continued evaluation of the aquatic plant species and provides community updates on the status of treatments and waterbody bioassessment.

Current Fiscal Year – Planned Treatment & Funding

Primary Aquatic Plant Management Expectations

Invasive aquatic growth in Lake English Estates has likelihood to continue, however, the timing and re-growth is affected by multiple natural and environmental factors that cannot be controlled or predicted with certainty. While extensive growth is possible at any point in time, it is anticipated that routine spot treatments with herbicides will be sufficient to manage re-growth during the current fiscal year. The anticipation of spot treatments for the current fiscal year takes into consideration the historic trend of management required at Lake English Estates, as well as current conditions observed at the pond. As with any waterbody with a history of invasive aquatic growth, long-term planning to include financial preparation for whole lake treatment is advised. LMP will continue to closely monitor Lake English Estates.

Funding Expectations

Refer to current fiscal year data provided in Exhibit B.

Next Fiscal Year – Projected Treatment & Funding

Primary Aquatic Plant Management Expectations

The projected treatment plans for the next fiscal year remain consistent with the plans and expectations noted for the current fiscal year. Primary expectations are as follows:

- 1) Continued close monitoring of aquatic growth,
- 2) Conduct spot treatments as required,
- 3) Monitor/control/replant managed areas,
- 4) Consider shoreline re-vegetation sites (lakefront residents).

Funding Expectations

Refer to next fiscal year data provided in Exhibit B.

Exhibits

A - Agenda & Notes from Prior Year Meeting

B-1 - Financial Summary

B-2- Capital Assessment Payment Schedule

C - Roles & Responsibilities

Exhibit A – Agenda & Notes from Prior Year Meeting

Date /Time/ Location:	Friday, March 4 th , 2022 /9:00 am – 9:45 am/ ZOOM Virtual
Community Liaisons:	Corby Hoback
Liaisons Present:	Corby Hoback
Seminole County:	Daniel Barber, Tony Cintron, Michael Eason, Tameka Morton, and Lynda Reaves

General Topics & Updates

Lake Management Program

- Welcome
- Shoreline Protection Ordinance Status
 - County Shoreline Ordinance adopted April 2021
 - No change to permitting due to size of waterbody
- Treatment Plans - Current & Proposed [Refer to Lake Management Plan]
 - Continue to monitor and treat accordingly
 - Continue to monitor algal blooms
 - Peroxide treatments for abating fish kills
 - Herbicide treatment currently conducted monthly by canoe
- General Recommendations for Lake Community Consideration [Refer to Lake Management Plan]
 - Increase native aquatic plantings in areas devoid of vegetation
- 2022 Shoreline Planting Event - Dates Available
 - To be coordinated via Tony Cintron – Tony will send SERV dates
 - Plants funded by MSBU funds
- Other
 - Email Addresses for routine communications and important announcements
 - Welcome packets
 - Fountain system quote (\$6,254.00). Fountain on hold until funds are available
 - Contingency building could be used for special projects (aquatic planting) or lower assessment
 - Corby to ask father-in-law to be liaison
 - Acquire quotes on what a full lake treatment would cost for budgeting

MSBU Program & Resource Management Department

- Financial Summary [Refer to Exhibit B]

Exhibit B-1 Financial Summary

MSBU FUND: ENGLISH ESTATES LAKE

	Tax Year	2021	2022	2023
	Assessment	\$ 600.00	\$ 600.00	\$ 600.00
	Fiscal Year	FY21-22	FY22-23	FY23-24
Revenue		Actual	Working Budget	Proposed Budget
Beginning Fund Balance		\$ 7,682	\$ 10,161	\$ 11,596
Assessment Revenue		\$ 3,466	\$ 3,455	\$ 3,455
Other (Interest)		\$ 65	\$ 20	\$ 20
Other				
TOTAL Revenue		\$ 11,213	\$ 13,636	\$ 15,071

Expenditure & Reserves		Actual	Working Budget	Proposed Budget
Application Fee Recoupment		\$ -	\$ -	\$ -
MSBU Program Administrative Fee [7% Rev FY20-21]		\$ 242	\$ 240	\$ 240
Other County Services (Service Entity)		\$ -	\$ -	\$ -
Contracted Services		\$ 810	\$ 1,800	\$ 1,800
	<i>AWC Services (via AAM)</i>	\$ 810	\$ 1,800	\$ 1,800
	<i>Chemicals (Non-AAM)</i>	\$ -	\$ -	\$ -
	<i>FAS/GEN Testing</i>	\$ -	\$ -	\$ -
	<i>Shipping (Test Samples)</i>	\$ -	\$ -	\$ -
	<i>TGC Fish</i>	\$ -	\$ -	\$ -
	<i>Fish Barrier Inspection/Minor Repair</i>	\$ -	\$ -	\$ -
	<i>Fish Barrier Replace/Major Repair</i>	\$ -	\$ -	\$ -
	<i>Nutrient Abatement (Product) - pending BCC approval</i>	\$ -	\$ -	\$ -
	<i>Nutrient Abatement (Prof. Services) - pending BCC approval</i>	\$ -	\$ -	\$ -
	<i>Harvesting (and/or Cattails/Eelgrass)</i>	\$ -	\$ -	\$ -
	<i>Other</i>	\$ -	\$ -	\$ -
	<i>Other</i>	\$ -	\$ -	\$ -
Total Expenditure & Reserves		\$ 1,052	\$ 2,040	\$ 2,040
Reserve/Contingency1		\$ 10,161	\$ 11,596	\$ 13,031

1 Note: These funds are secured (1) for maintaining rate stability as annual cost are known to fluctuate, (2) in preparation of planned or anticipated future expenses, (3) to provide response to emergency and/or urgent needs for which planning was not feasible. These funds are not intended for expenditures that could be planned and included in annual budget planning processes.

LM Program Enhanced Services Cost	Pending development & confirmation
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Reserve/Contingency Funds

The primary purpose for establishing operating contingency funding is twofold – (1) To have funding on hand to accommodate unexpected essential aquatic weed control emergencies that cannot be reasonably foreseen, planned or identified in routine budget planning & forecasting and (2) To provide rate stability as costs for ongoing services often vary from year to year. By establishing contingency and reserve funds, such funding may be allocated temporarily from these funds to operating expenditures to avoid periodic spikes in assessment.

Contingency funds are developed by financial management planning decisions and by default when actual expenditures are less than budgeted expenses. Although reserve/contingency funds are not expected to be expended in any given year, these values are included under expenditures because they are “on hold” for future needs and are classified by accounting practices as expenditures.

In the financial summary (Exhibit B) the total dollars in reserve/contingency are identified in the expenditure section on a single line (darker shading). The total dollars in contingency are calculated by subtracting the other expenditures (typically “contracted services” and “administrative fee”) from the total revenue. Contingency funds may be used as deemed essential to meeting emergency needs of the waterbody; however, the overall intention of use is as per the noted sub-categories.

When a negative value is displayed in the sub-category labeled “operating contingency”, it is an indication that the other subcategories reflect targeted sub-category values that have not been fully developed. For the other sub-categories to be fully developed, the “operating contingency” sub-category must be zero or a positive value.

The sub-category labeled “Reserve: Other” is included for improved transparency as use of these funds is on hold for purposes that are subject to Board confirmation and subsequent evaluation of ordinance provisions (potentially ordinance amendment) before these funds can be budgeted and utilized for the proposed purposes.

ENGLISH ESTATES LAKE

Capital Assessment Payment Schedule

Tax Year	Installment Billing Date	Assessment Balance before Tax Payment	Payment	Interest 3%	Tax Commission 0.50%	Administrative Adjustment 2.75%	Applied to Principal	Assessment Balance after Tax payment
1	2018 11/1/2018	\$1,820.00	\$ 220.53	\$ 54.60	\$ 1.10	\$ 6.06	\$ 158.76	\$ 1,661.24
2	2019 11/1/2019	\$1,661.24	\$ 220.53	\$ 49.84	\$ 1.10	\$ 6.06	\$ 163.53	\$ 1,497.71
3	2020 11/1/2020	\$1,497.71	\$ 220.53	\$ 44.93	\$ 1.10	\$ 6.06	\$ 168.43	\$ 1,329.28
4	2021 11/1/2021	\$1,329.28	\$ 220.53	\$ 39.88	\$ 1.10	\$ 6.06	\$ 173.48	\$ 1,155.80
5	2022 11/1/2022	\$1,155.80	\$ 220.53	\$ 34.67	\$ 1.10	\$ 6.06	\$ 178.69	\$ 977.11
6	2023 11/1/2023	\$ 977.11	\$ 220.53	\$ 29.31	\$ 1.10	\$ 6.06	\$ 184.05	\$ 793.06
7	2024 11/1/2024	\$ 793.06	\$ 220.53	\$ 23.79	\$ 1.10	\$ 6.06	\$ 189.57	\$ 603.49
8	2025 11/1/2025	\$ 603.49	\$ 220.53	\$ 18.10	\$ 1.10	\$ 6.06	\$ 195.26	\$ 408.23
9	2026 11/1/2026	\$ 408.23	\$ 220.53	\$ 12.25	\$ 1.10	\$ 6.06	\$ 201.12	\$ 207.11
10	2027 11/1/2027	\$ 207.11	\$ 220.49	\$ 6.21	\$ 1.10	\$ 6.06	\$ 207.11	\$ 0.00

EXHIBIT C
ROLES & RESPONSIBILITY
General Outline

COUNTY

Seminole County will

- ✓ Govern the MSBU
- ✓ Provide financial management of MSBU fund and assessment levy
- ✓ Ensure activities conducted with assessment funding align with the scope of services documented in the governing ordinance
- ✓ Ensure the lake is monitored and services are appropriately rendered
- ✓ Maintain decision-making authority relative to public services and will defer to best lake management practices when making such decisions
- ✓ Provide an ongoing lake management plan based on the defined service scope, permitting, conditions at the lake, funding parameters, and best lake management practices. The Lake Management Plan will be developed and maintained by the Lake Management Program with liaison participation
- ✓ Initiate and manage service contracts, monitor results, and communicate updates on a routine basis
- ✓ Conduct annual meetings that offer opportunity for liaison discussion as to prior, current, and future action plans
- ✓ Encourage liaisons and assist with educational outreach efforts to protect the health and water quality of the waterbody

LIAISONS

Liaisons will

- ✓ Encourage communitywide awareness and participation relative to environmental stewardship recommendations and opportunities
- ✓ Provide communitywide communication and assist the County in the distribution of relevant lake information
- ✓ Attend annual lake management and budget planning sessions conducted by the County
- ✓ Serve as representatives of the community on lake issues, representing the respective lake community as a whole
- ✓ Monitor lake conditions and provide feedback to the County as to observations