



Lake & Wetland

MANAGEMENT

www.lakeandwetland.com



- 💧 Serving the environment since 1992
- 💧 A state-wide family-owned business
- 💧 Employ experienced state-certified commercial applicators and technicians, certified arborists and biologists
- 💧 Serve a number of HOAs and golf courses, SFWMD, FFWCC, FDOT, FPL, Everglades National Park and state, county and city municipalities



Lake & Wetland MANAGEMENT

-  30 vehicles
-  15 ATVs and 1 swamp buggy
-  16 boats
-  2 harvesters
-  55 dedicated, trained employees

**Your
Lake & Wetland Management
Aquatic Technician:**

**José
Since 2015**



2018

01 | JANUARY

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

02 | FEBRUARY

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

03 | MARCH

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

04 | APRIL

SUN	MON	TUE	WED	THU	FRI	SAT	
	1	2	3	4	5	6	7
8	9	10	11	12	13	14	
15	16	17	18	19	20	21	
22	23	24	25	26	27	28	
29	30						

05 | MAY

SUN	MON	TUE	WED	THU	FRI	SAT			
					1	2	3	4	5
6	7	8	9	10	11	12			
13	14	15	16	17	18	19			
20	21	22	23	24	25	26			
27	28	29	30	31					

06 | JUNE

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

07 | JULY

SUN	MON	TUE	WED	THU	FRI	SAT	
	1	2	3	4	5	6	7
8	9	10	11	12	13	14	
15	16	17	18	19	20	21	
22	23	24	25	26	27	28	
29	30	31					

08 | AUGUST

SUN	MON	TUE	WED	THU	FRI	SAT	
				1	2	3	4
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12	13	14	15	16	17	18	
19	20	21	22	23	24	25	
26	27	28	29	30	31		

09 | SEPTEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

10 | OCTOBER

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

11 | NOVEMBER

SUN	MON	TUE	WED	THU	FRI	SAT	
					1	2	3
4	5	6	7	8	9	10	
11	12	13	14	15	16	17	
18	19	20	21	22	23	24	
25	26	27	28	29	30		

12 | DECEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

**3,500 Lance-leaved
Arrowhead**



2,000 Softstem Bulrush



3,500 Golden Canna

3,500 Knotted Spikerush



3,500 Pickerelweed



Native Littoral Plant Installation

-  **3,500 Pickerelweed**
-  **3,500 Golden Canna**
-  **3,500 Lance-leaved Arrowhead**
-  **3,500 Knotted Spikerush**
-  **2,000 Softstem Bulrush**

16,000 Native Littoral Emergent Aquatic Plants









Hydrilla



Algae species



Water Hyacinth



Water Lettuce

As of January 17, 2019, the following wildlife species were incidentally observed and/or heard in or flying above the project site, using the site's habitat for cover, feeding, nesting, breeding or roosting behaviors. All records are from direct observation unless otherwise noted. Human-introduced exotic species are denoted by an asterisk*.

- **Birds:** Mottled Duck, Egyptian Goose*, Domestic Muscovy*, Double-crested Cormorant, Anhinga, Brown Pelican, Great Blue Heron, Great Egret, Little Blue Heron, Tricolored Heron, Cattle Egret, Green Heron, Black Vulture, Turkey Vulture, Wood Stork, White Ibis, Roseate Spoonbill, Osprey, Common Gallinule, American Coot, Limpkin, Killdeer, Least Sandpiper, Spotted Sandpiper, Ring-billed Gull, Royal Tern, Rock Pigeon, Eurasian Collared-Dove*, Mourning Dove, Common Nighthawk, Chimney Swift, Belted Kingfisher, Red-bellied Woodpecker, Downy Woodpecker, Monk Parakeet*, Eastern Phoebe, Gray Kingbird, Blue-headed Vireo, Blue Jay, Fish Crow, Purple Martin, Tree Swallow, Northern Rough-winged Swallow, Barn Swallow, European Starling*, Northern Mockingbird, Cedar Waxwing, House Sparrow*, Blue-gray Gnatcatcher, Northern Parula, Common Yellowthroat, Palm Warbler, Northern Cardinal, Common Grackle, Boat-tailed Grackle, Red-winged Blackbird
- **Reptiles:** Peninsula Cooter, Common Slider* (Yellow-bellied Slider* & Red-eared Slider*), Green Iguana*, Brown Anole*, Green Water Snake
- **Amphibians:** Cane Toad*
- **Fish:** Atlantic Tarpon, Atlantic Needlefish, Eastern Mosquitofish, Grass Carp*, Largemouth Bass, Bluegill, Redear Sunfish, Mayan Cichlid*, Butterfly Peacock Cichlid*
- **Arachnids:** Long-jawed Orbweaver Spider species (*Tetragnathidae* sp.), Crab-like Spiny Orbweaver Spider
- **Insects:** Eastern Pondhawk Dragonfly, Great Blue Skimmer Dragonfly, Scarlet Skimmer Dragonfly*, Purple Skimmer Dragonfly, Little Blue Dragonlet Dragonfly, Four-spotted Pennant Dragonfly, Halloween Pennant Dragonfly, Blue Corporal Dragonfly, Eastern Amberwing Dragonfly, Black Saddlebags Dragonfly, Atlantic Bluet Damselfly, Rambur's Forktail Damselfly, Conehead species (*Neoconocephalus* sp.), Field Cricket species (*Gryllus* sp.), Rugose Spiraling Whitefly*, White Peacock Butterfly, Zebra Longwing Heliconian Butterfly, Sod Webworm Moth, Rattlebox (Bella) Moth, Mosquito species (*Cuicidae* sp.), Midge species (*Tanytarsus* spp.), Bluebottle Fly, Oriental Latrine Fly*, Green Halictid Bee species (*Halictidae* sp.), European Honeybee*
- **Mollusks:** Paper Pondshell Mussel, Island Apple Snail*, Cuban Brown Garden Snail*, Guadaloupe Snail*

Exotic Species: Cane Toad





Spatterdock





Fragrant Water Lily



Spatterdock



Fragrant Water Lily



May 25, 2018



500 Largemouth Bass



1,400 Bluegill



600 Redear Sunfish



8,000 – 10,000 Eastern Mosquitofish





- Begin littoral plant management program
- Consider planting alternatives – Spatterdock & Fragrant Water Lily
- Gather & scatter Golden Canna seeds
- Continue to reduce fertilizers, herbicides and pesticides
- Enhance habitat with bird and bat boxes
- Consider native terrestrial & aquatic woody border plantings



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