

**LAKE WORTH DRAINAGE DISTRICT
RESOLUTION NO. 19-02
IN HONOR OF ROBERT M. BROWN**

Whereas, the LAKE WORTH DRAINAGE DISTRICT is a public body and political subdivision of the State of Florida, which owns rights-of-way and manages over five hundred miles of drainage canals within its jurisdictional boundary; and

Whereas, **ROBERT M. BROWN** was employed by the Lake Worth Drainage District on February 19, 2013, and has faithfully served the LAKE WORTH DRAINAGE DISTRICT as Executive Director for over six years; and


Whereas, **ROBERT M. BROWN** during his employment has demonstrated extraordinary leadership and realized many significant accomplishments including but not limited to:

- Developing a Capital Improvement Program to refurbish the District's water control infrastructure;
- Implementing a SCADA system and remote monitoring technology to automate the operation of nine major water control structures and transmit real-time data to water managers for immediate flood control decision-making;
- Developing a comprehensive Canal Rehabilitation Program and succeeding in clearing more than 70 miles of vegetation from District canal rights-of-way;
- Updating District operating policies to streamline right-of-way permitting for use of canal rights-of-way and drainage connections to canals;
- Modernizing the District's office and campus facilities to ensure a productive and safe work environment; and
- Fostering positive working relationships with residents and legislative bodies within the jurisdictional boundary of LAKE WORTH DRAINAGE DISTRICT.


Whereas, **ROBERT M. BROWN** is retiring from service as Executive Director of the LAKE WORTH DRAINAGE DISTRICT on the 28th day of March 2019, and the Board of Supervisors and employees, desire to honor, recognize and bestow upon **ROBERT M. BROWN**, the deserved appropriate accolades for his service.

Now, Therefore Be It Resolved, that the Board of Supervisors of the LAKE WORTH DRAINAGE DISTRICT, does hereby bestow special recognition to **ROBERT M. BROWN** for his exceptional leadership and service to the LAKE WORTH DRAINAGE DISTRICT.

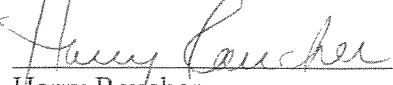
Unanimously approved this, the 13th day of March 2019.




Stephen Bedner, President
President



Jeffrey P. Phipps, Sr
Sr. Vice President



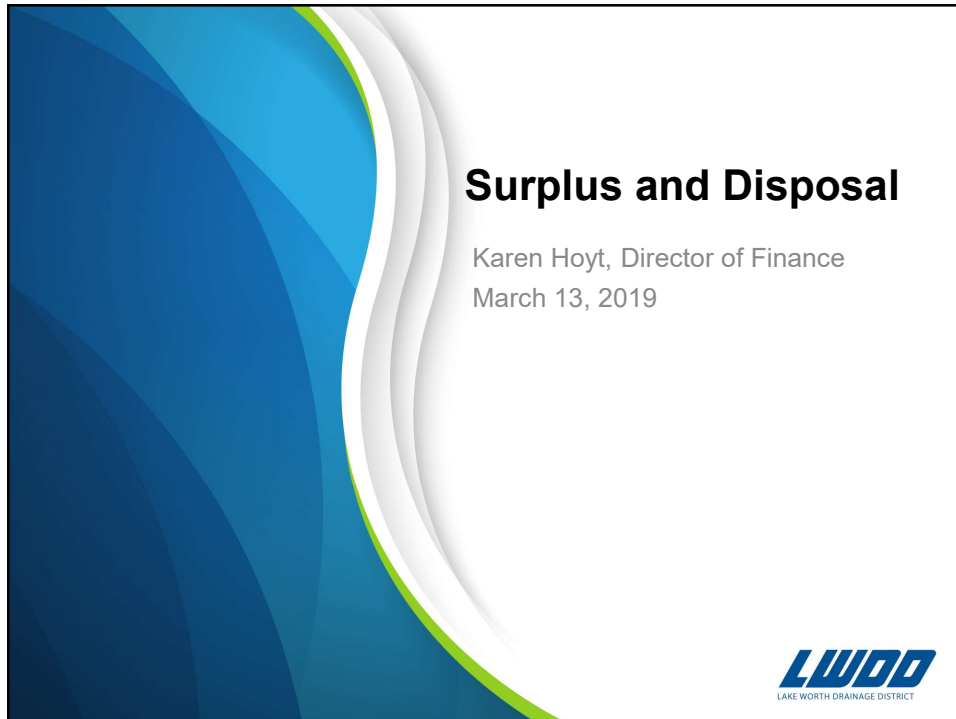
Harry Raucher
Vice President



James M. Alderman
Supervisor



John I. Whitworth III
Supervisor

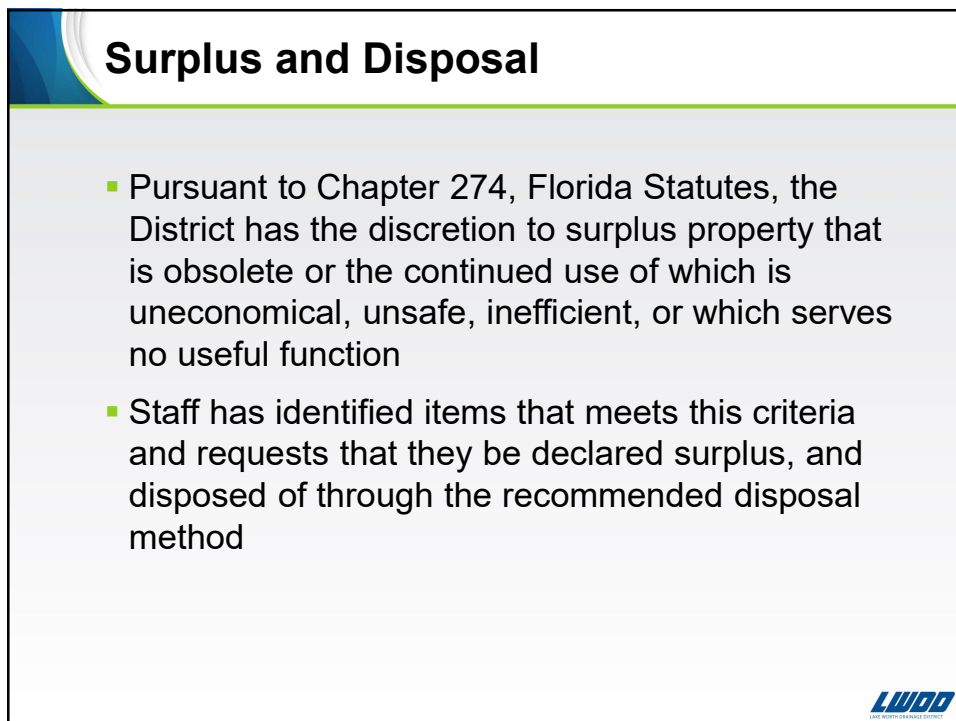


Surplus and Disposal

Karen Hoyt, Director of Finance
March 13, 2019



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Surplus and Disposal


- Pursuant to Chapter 274, Florida Statutes, the District has the discretion to surplus property that is obsolete or the continued use of which is uneconomical, unsafe, inefficient, or which serves no useful function
- Staff has identified items that meets this criteria and requests that they be declared surplus, and disposed of through the recommended disposal method



2

Listing of Items


	Asset ID	Description	Original Cost	Acquisition Date	Recommended Disposal Method
Office furniture, fixtures & equipment					
1	07304	HANDHELD COMPUTER W/ GNSS	18,973.00	5/21/2013	Trade in (\$2,000) with purchase of updated equipment
2	07322	External Network Storage Devic	1,500.00	1/22/2013	Recycling Program/Garbage
3	07359	Computer Workstation - Dell	1,704.88	12/12/2013	Online Auction Website/Employee Sale/Recycling Program
			22,177.88	(Previously approved at Board Workshop held on March 5, 2019)	
Add on:					
4	07518	Switch 8-Port Rack Console KVM	1,332.77	5/2/2016	Recycling Program/Garbage
			23,510.65		



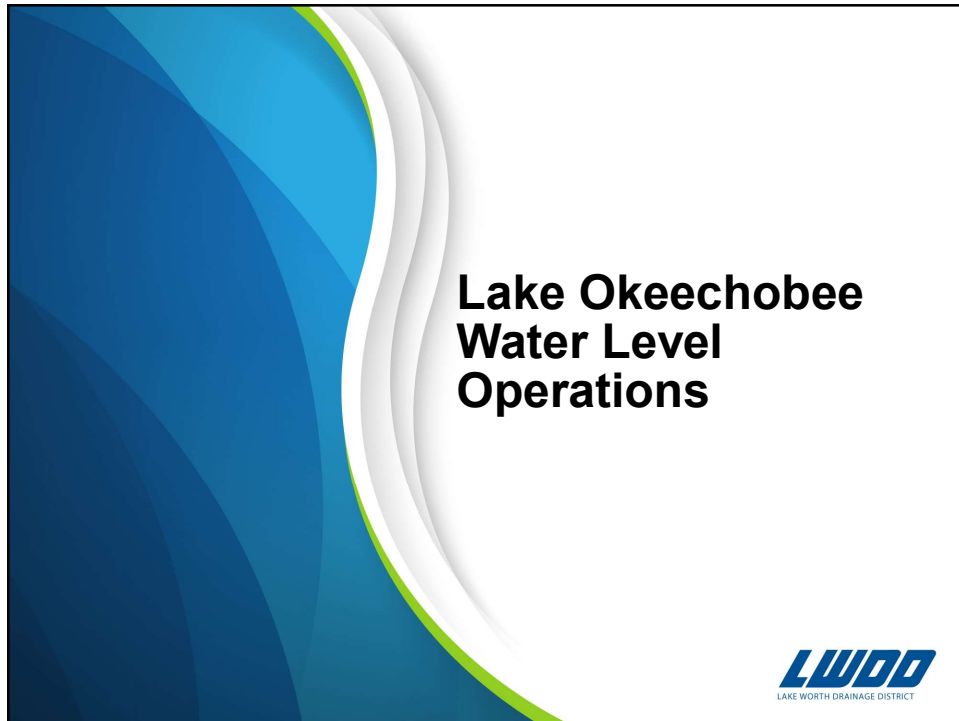
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Staff Recommendation


Declare listed items surplus and authorize disposal of items through the recommended disposal method.



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**Lake Okeechobee
Water Level
Operations**

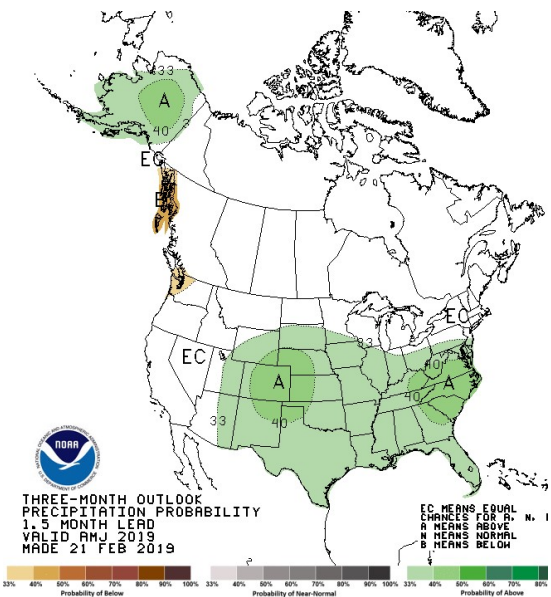


LWDD
LAKE WORTH DRAINAGE DISTRICT

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El Nino 3 - Month Climate Forecast

- Slightly higher than normal probability of above average rainfall in the April-May-June timeframe

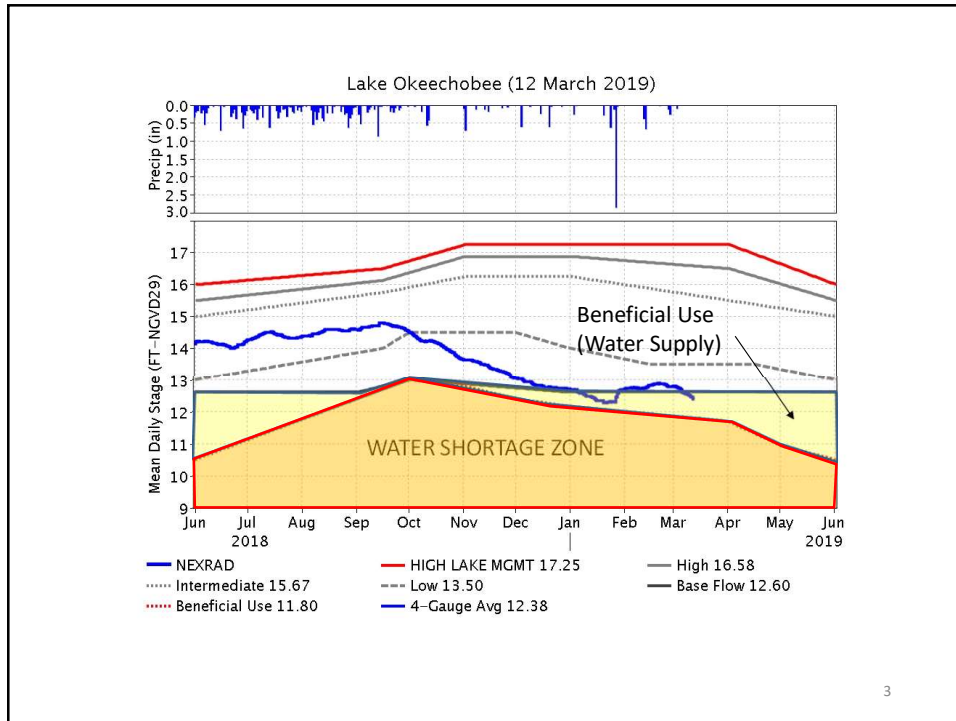


THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
1.5 MONTH LEAD
VALID AMJ 2019
MADE 21 FEB 2019

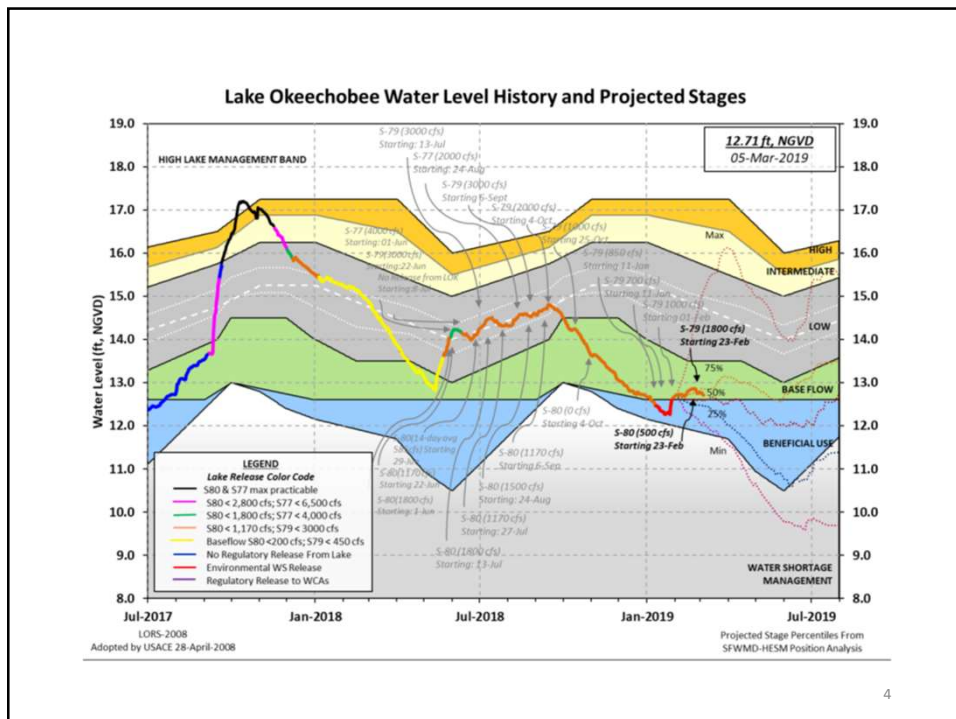
EC MEANS EQUAL CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW

33% 40% 50% 60% 70% 80% 90% 100% 33% 40% 50% 60% 70% 80% 90% 100% 33% 40% 50% 60% 70% 80%
Probability of Below Probability of Near-Normal Probability of Above

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Lake Okeechobee System Operating Manual (LOSOM)

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- U.S. Army Corps of Engineers manages Lake Okeechobee levels using the federal Lake Okeechobee Regulation Schedule (LORS)
- Corps is just beginning the process to develop a new Lake Okeechobee Level Regulation Schedule called the Lake Okeechobee System Operating Manual (LOSOM)





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Lake Okeechobee System Operating Manual (LOSOM)

Congressman Brian Mast has said he wants to take the lake level to 10.5 feet before the wet season (June 1).

Drought Years When the June target stage was **15.5 feet**

Year	June 1st stage (NGVD)	Low stage the following year (NGVD)
1980	15.46'	9.79'
1988	15.26'	11.06'

March 15, 2019



6

Lake Okeechobee System Operating Manual (LOSOM)

Drought Years When the June Target stage was **12.5 feet**

Year	June 1st Stage (NGVD)	low stage the following year (NGVD)
2000	12.51'	8.97'
2006	12.67'	8.82'
2010	14.57'	9.53'

March 15, 2019

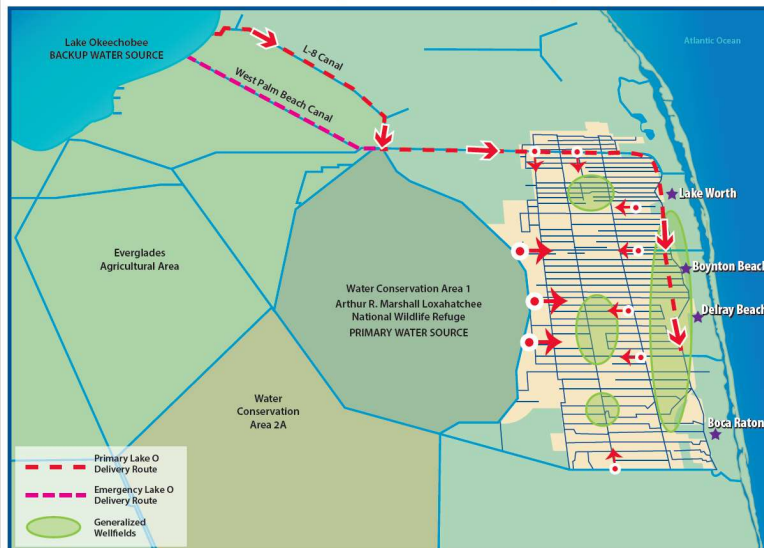


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Lake Okeechobee: Backup Water Supply Source

8

Lake Worth Drainage District Water Supply Sources



8

Why are lower Lake Okeechobee levels a concern? Impacts at 12.5 to 10.5 feet

9

Lake Okeechobee water is used to provide water supply for millions of residents and businesses in Palm Beach County and South Florida.

- At **12.5 feet and 10.5 feet**, the South Florida Water Management District orders water use cutbacks and **mandatory** water use restrictions.
- Water deliveries to all water users are reduced.


SOURCE: South Florida Water Management District



Delray Beach



Boca Raton




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Severe impacts at 10.5 to 9.5 feet

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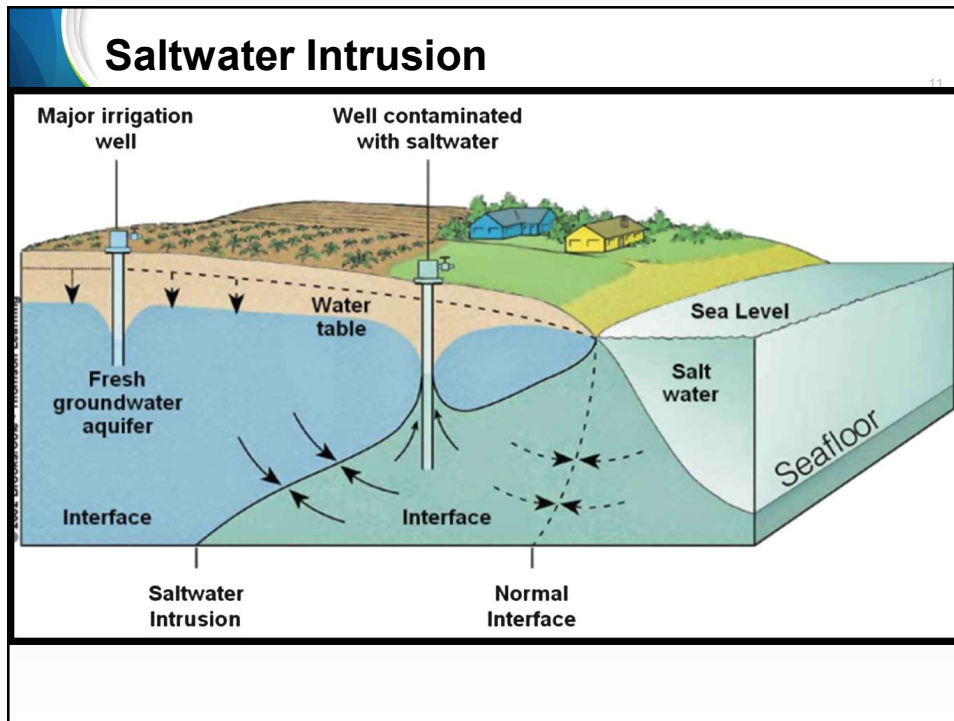
- Severe reduction in capability to deliver water south of the lake for any beneficial purpose.
- An increased risk of permanently compromising freshwater supplies can occur in utility wellfields due to saltwater intrusion in **Palm Beach County's** urban coastal areas, affecting health and safety.
- SFWMD orders increased water shortage restrictions on communities. Restrictions negatively impact businesses and a population of more than 6 million in Palm Beach, Broward and Miami-Dade counties.
- Wildlife and endangered species survival affected as water needs for in the Everglades water conservation areas are no longer met.

SOURCE: South Florida Water Management District

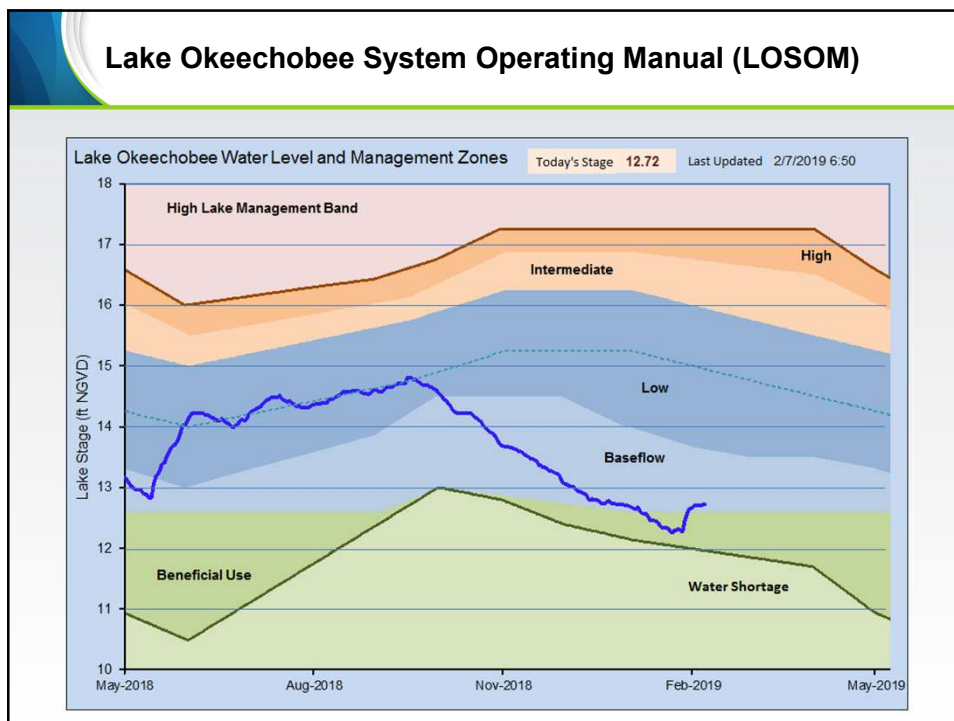




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LAKE WORTH DRAINAGE DISTRICT

RESOLUTION NO. 19-03

OPPOSITION TO ON-GOING LOWERING OF LAKE OKEECHOBEE IN THE BENEFICIAL USE SUB-BAND OF THE CURRENT OPERATING SCHEDULE

WHEREAS, the Lake Worth Drainage District (LWDD) is a public body and political subdivision of the State of Florida, created pursuant to Chapter 298, Florida Statutes and currently operating under Chapter 98-525 and amendments thereto; and

WHEREAS, LWDD relies on Lake Okeechobee for secondary surface water supply and is responsible for the conveyance of regional water to support numerous municipal water utilities, thousands of acres of prime agricultural land with approximately 800,000 residents, and

WHEREAS, the U.S. Army Corps of Engineers (USACE) and the South Florida Water Management District (SFWMD) as local sponsor to the federal flood control project, coordinate the real-time operations associated with Lake Okeechobee under the current federal and state authorities and associated policies, and

WHEREAS, the USACE developed the Lake Okeechobee Regulation Schedule in 2008 (LORS 2008) as an interim schedule to address concerns relative to the deteriorating condition of the Herbert Hoover Dike, and

WHEREAS, in September 2010 the SFWMD Governing Board authorized the Adaptive Protocols for Lake Okeechobee Operations (Adaptive Protocols) in cooperation with the USACE and the Florida Department of Environmental Protection (FDEP). This document provides operational guidance to the SFWMD staff and Governing Board and describes how the SFWMD staff and Governing Board make recommendations to the USACE concerning 2008 LORS and the Water Control Plan provisions while considering the SFWMD's multiple statutory objectives and responsibilities outlined in Chapter 373 of the Florida Statutes. These adaptive protocols are used when the lake stage in the Low, Baseflow and Beneficial Use sub-bands to provide guidance to water managers for discretionary releases for ecosystem benefits or to improve conditions related to the Central & Southern Florida Project purposes, and

WHEREAS, the USACE is continuing its efforts to rehabilitate the aging Herbert Hoover Dike surrounding Lake Okeechobee, protecting the local communities from storm generated flood surges, which should provide a greater opportunity for the safe storage of flood waters, and thereby allow higher stages within the Lake with less regulatory discharge. This flexibility should significantly increase the availability of water supply for the Lake Okeechobee Service Area and the Lower East Coast of Florida, and,

WHEREAS, the USACE issued a news release on February 22, 2019 titled "Corps Takes Action to Lower Lake Okeechobee in Advance of Wet Season", which stated that "*The U.S. Army Corps of Engineers Jacksonville District will increase flows from Lake Okeechobee to stem the recent rise in water levels and to reduce the probability of high-volume releases during the wet season. The Corps will use Additional Operational Flexibility as defined by the 2008 Lake Okeechobee Regulation Schedule to increase flows for the next three weeks.*", and

WHEREAS, the USACE issued a news release on March 6, 2019 titled “Corps Provides Update on Lake Okeechobee Water Releases.”, which stated “*We are achieving our initial goal of slowing the rise in the lake,*” said Col. Andrew Kelly, Jacksonville District commander. “*More than half the water that we have released has gone through the southern structures and canals. We will continue the releases at current rates and evaluate our progress as promised next week.*” The USACE continued to use Additional Operational Flexibility as defined by the 2008 Lake Okeechobee Regulation Schedule to increase flows from the Lake and lower stages, and

WHEREAS, under the LORS 2008 regulation schedule, normal operations within the Beneficial Use Sub-Band suggest no regulatory discharges from the Lake, and

WHEREAS, the USACE is continuing efforts to lower Lake Okeechobee through the application of Additional Operational Flexibility within the Beneficial Use Sub-Band as defined by the LORS 2008, such regulatory discharges change the balance of the Project’s multi-purposes and have never been analyzed and

WHEREAS, alternative operations like those recently proposed and currently being implemented by the USACE have the potential to significantly impact and lower available water allocations for existing permitted users that rely upon water from Lake Okeechobee as a source of water, including the Local Government Utility Providers, Agricultural Community, the Seminole Tribe of Indians, Special Water Districts, and individual residents and businesses utilizing their own wells (collectively, the “Water Use Community”); and

WHEREAS, the SFWMD has yet to publicly discuss policy issues associated with the current USACE Lake Okeechobee operations in the context of the Adaptive Protocols, and

WHEREAS, Florida’s Legislature carefully crafted a legal structure to avoid competition and promote water availability for the Water Use Community as well as natural resources, and

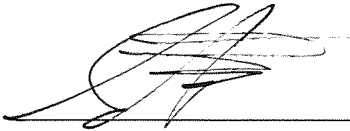
WHEREAS, the reduction of available water supply from Lake Okeechobee to meet the existing permitted needs of the Water Use Community poses a significant and immediate potential threat to public health, safety and welfare and water resources, which must be taken into account; and

WHEREAS, the Board of Supervisors (Board) of the Lake Worth Drainage District recognizes that water supply is but one of the significant public health, safety and welfare concerns that must be weighed by the USACE and SFWMD in the implementation of LORS 2008, which include the environmental health of the Lake, the health of the Everglades, the health of the Caloosahatchee and St. Lucie Estuaries, and the integrity of the Herbert Hoover Dike and safety of surrounding communities. The Board further wants to assure that LORS 2008 is implemented to meet the environmental and economic water supply needs of the region, and should be a significant goal as balanced with other objectives; and

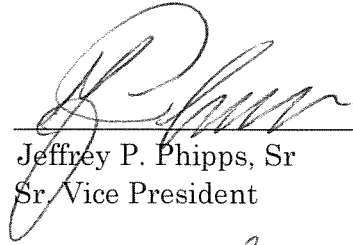
THEREFORE, BE IT RESOLVED, that the Lake Worth Drainage District strongly urges the USACE and SFWMD to conduct a meaningful analysis of the effects of altered Lake operations on the Water Use Community; favor those Lake Okeechobee operations that maximize protection of the Water Use Community’s existing permitted water allocations, minimize the potential for water supply shortages, assure the predictability of a continued and reliable water supply, which is essential to the south Florida economy, and avoid inducing widespread impact to both the public and natural resources..

This Resolution adopted at the regular monthly meeting of the Board of Supervisors of the Lake Worth Drainage District this 13th day of March 2019.

LAKE WORTH DRAINAGE DISTRICT



Stephen Bedner
President



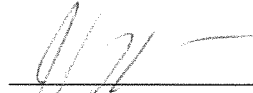
Jeffrey P. Phipps, Sr
Sr Vice President



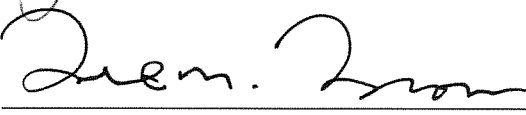
Harry Raucher
Vice President



James M. Alderman
Supervisor



John I. Whitworth III
Supervisor



Robert M. Brown
Secretary



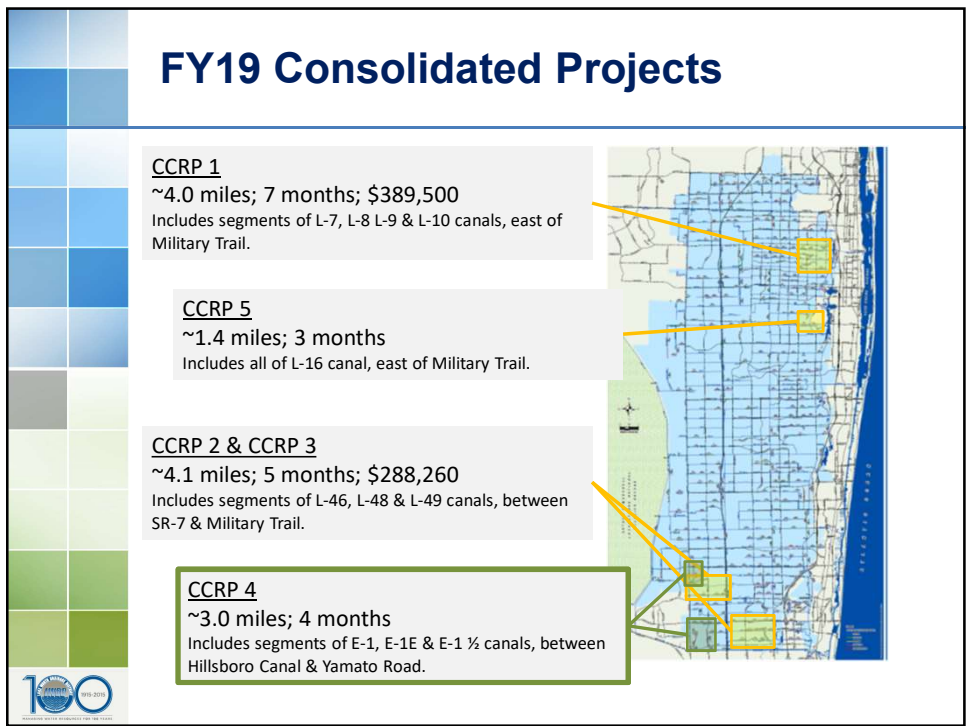
Consolidated Canal Rehabilitation Project #4

RFB No. 19-10166P.03

Megan Hoffman, Project Manager
Board Meeting – March 13, 2019



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FY19 Consolidated Projects

CCRP 1
~4.0 miles; 7 months; \$389,500
Includes segments of L-7, L-8 L-9 & L-10 canals, east of Military Trail.

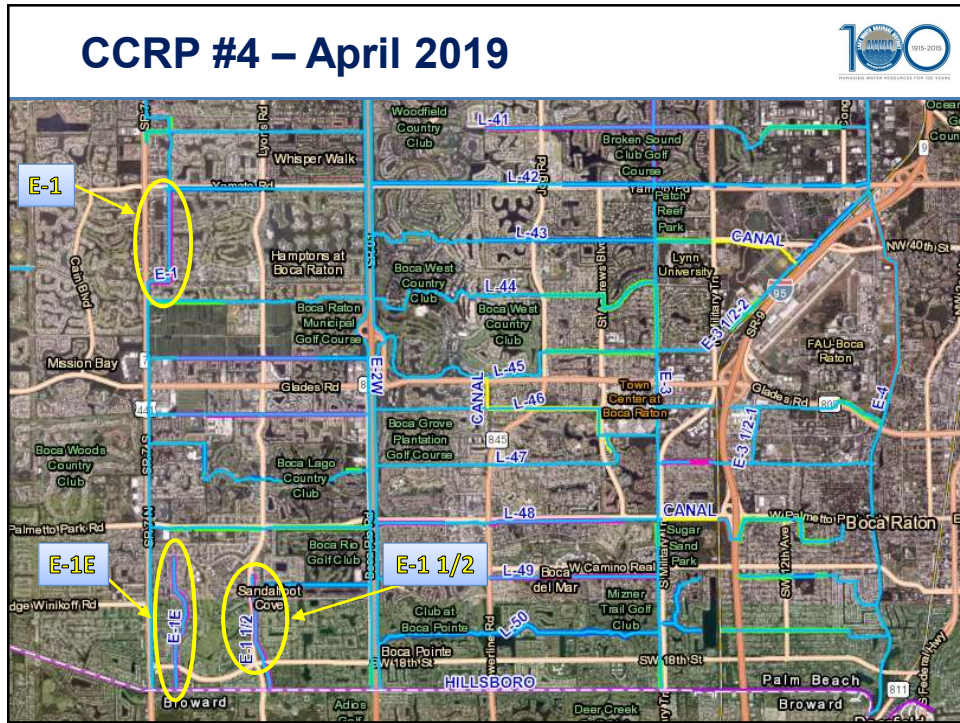
CCRP 5
~1.4 miles; 3 months
Includes all of L-16 canal, east of Military Trail.

CCRP 2 & CCRP 3
~4.1 miles; 5 months; \$288,260
Includes segments of L-46, L-48 & L-49 canals, between SR-7 & Military Trail.

CCRP 4
~3.0 miles; 4 months
Includes segments of E-1, E-1E & E-1 ½ canals, between Hillsboro Canal & Yamato Road.



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Proposed Timeline

- ✓ September 12 - Board authorization to advertise
- ✓ February 17 - Advertise RFB in Sun Sentinel
- ✓ March 11 – Bid Opening
 - March 13 – Board approval to award
 - April 1 – Work begins
 - August 5 – Final Completion




4

Bid Results

Company Name	Total Base Bid
Tetro Land Development & Construction, LLC	\$155,827.88*
Cutting Edge Industries	\$404,000.00
Arbor Tree & Land (ATL Diversified)	\$508,800.00

*Apparent Low Bidder



5

Staff Recommendation

- Approval of the Bid submitted by Tetro Land Development & Construction, LLC and authorization to enter into a Contract to clear portions of the E-1, E-1E and E-1 ½ Canals



6


Right-of-Way Encroachment Management

Board Meeting
March 13, 2019




1

Canal Rehabilitation Program



- Vegetation removal prioritized (Phase I)
- Since October 2015, cleared approximately 72 miles of vegetation from encumbered rights-of-way
 - Nearly 40% of encumbered rights-of-way cleared of vegetation

TOTAL ROW Clearing (OCT 2015- Dec 2018)



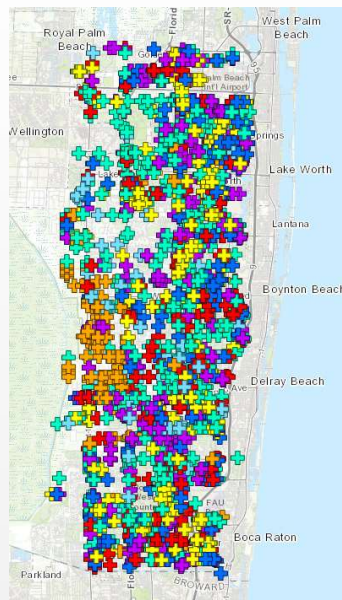
Category	Percentage
Completed	~60%
Remaining	~40%

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Canal Rehabilitation Phase II – Encroachment Removal



- Next phase of canal rehabilitation is removal of unauthorized encroachments
- More than 3,200 properties identified with encroachments as part of initial assessment
 - Does not include all encroachments identified following vegetation removal projects



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Canal Rehabilitation Program - Phase II Implementation



- Prioritize canals for encroachment removal
 - Staff anticipates following project prioritization from vegetation removal projects; encroachments closest to water control structures initially
- For each canal segment, complete comprehensive inspection and assessment of existing encroachments
 - Confirm / map right-of-way boundary; stake as needed
 - Research current permits authorized by Board
 - Conduct on-site inspection; obtain video and photos
 - Document encroachment detail necessary for staff analysis and determination of removal by contract or staff

4

Encroachment Detail



- Type (fence, deck, retaining wall, shed, etc.)
- Condition (good, fair, poor)
- Construction (wood, aluminum, concrete block, electrical, water lines, etc.)
- Dimensional (length, area, grade change, etc.)
- Permitted or unpermitted
- Impact/Risk Assessment
 - Is the encroachment structurally sound and well maintained?
 - Does the encroachment impact hydraulic conveyance?
 - Is the encroachment constructed in such a way that it adversely impacts the integrity of the canal bank and/or result in erosion of the right-of-way?
 - Does the encroachment significantly obstruct the right-of-way in a manner that requires a tailored or unique method to maintain the right-of-way that would otherwise not be necessary?
 - Does the encroachment present a unique or significant hazard or potential to adversely impact the District's maintenance responsibilities?
- Resources required for encroachment removal – staff / contract services

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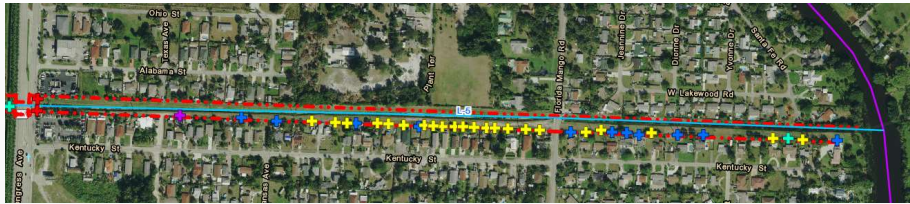
Canal Rehabilitation Program - Phase II Implementation



- Following staff assessment of canal segment(s) and prior to notification of property owners, provide briefing to Board on encroachment removal project including:
 - Condition of canal (cross section/existing right-of-way)
 - Current maintenance conducted
 - Maintenance impacts
 - Existing encroachments (types, condition)
 - Existing permits or land conveyances
 - Legal considerations
 - Estimated resources/costs for encroachment removal – staff or contracted demolition
 - Staff recommendation for variance (authorization of existing encroachment), if any

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Example: L-5 Canal



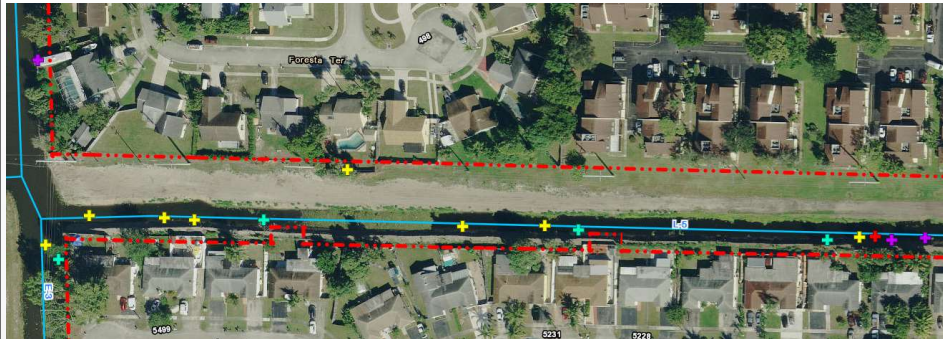
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Example: L-5 Canal



8

Example: L-5 Canal



9

Canal Rehabilitation Program - Phase II Encroachment Removal Process



- Noticing and coordination with municipalities, as required
- Distribute Notice of Violation to property owners via mail and hand-delivery
 - Property owners within CRP areas previously noticed as part of vegetation removal
 - Individualized notifications based on specific property/encroachment(s)
 - Removal required within established timeframe; if not removed, LWDD mobilizes to remove encroachment
- Individual meetings with property owners, as requested
- Follow-up/final notice to property owner of pending encroachment removal if not remedied
- Project re-staking, as needed
- Advertise and award bid for demolition, as needed
- Encroachment removal

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Canal Rehabilitation Program - Phase II Encroachment Removal Process



- Policy and process in place for property owners to petition board for consideration to retain encroachment

All Other Right-of-Way Authorizations (Requests for all other right-of-way uses require Board approval)

LWDD does not permit right-of-way uses not listed in the fee schedule shown in this Operating Policies manual (e.g. parallel fences, structures, landscaping, bike paths). Applicants requesting an alternative use or a use of the right-of-way other than the uses established in this Operating Policies manual (variance) must submit an application, with applicable application fees, for staff review and consideration by the Board of Supervisors. Applicants must demonstrate a substantial hardship or a public purpose and must provide assurances that drainage works and maintenance functions will not be harmed. If approved by the Board of Supervisors, applicable permit and right-of-way usage (one-time and/or annual) fees will be applied and must be submitted prior to permit issuance. Application fees are non-refundable.

11


Variance for ROW Encroachment



- If variance authorized by the Board, any permit variance would be subject to all current general permit conditions
- Proof of Insurance
- Temporary authorization
- If encroachment fails, it is the responsibility of the property owner to remove debris from ROW and encroachment shall not be reconstructed within the ROW
- Encroachment is permitted to current property owner and is not a perpetual agreement for transfer to new property owner(s)
- Permit is recorded in public records for identification in future title searches
- Application fee due prior to being presented to Board
- Annual fee due every year until encroachment is removed
 - Offsets costs for ongoing annual compliance and inspections
 - Provides annual notice to permittee of active permit
 - Provides incentive for removal of unnecessary encroachments
 - Assists staff to update records if encroachment is removed
 - Annual usage fees shall be dedicated in a fund for removal of encroachments

12

Current Fee Policy



<u>Permit Application Fee*</u>	<u>One-Time Right-of-Way Usage or Occupancy Fee</u>	<u>Annual Re-Occurring Right-of-Way Usage or Occupancy Fee**</u>
Linear Uses \$ 500.00 each	Linear Uses \$ 20.00 per L.F. (min. \$ 1500.00)	Linear Uses \$ 4.00 per L.F. (min. \$ 500.00)
Area Uses \$ 500.00 each	Area Uses \$ 5.00 per S.F. (min. \$ 1500.00)	Area Uses \$ 0.10 per S.F. (min. \$ 500.00)


* This \$500.00 permit application fee is non-refundable and is required to request approval from the LWDD Board of Supervisors (Board) for uses of the right-of-way other than the uses established in this Operating Policies manual.

** Each of these other right-of-way authorizations approved shall pay the annual re-occurring right-of-way usage, or occupancy, fee shown above for that portion of the LWDD canal right-of-way being used or occupied. This annual re-occurring right-of-way usage, or occupancy, fee will be adjusted every five (5) years in accordance with the compounded Consumer Price Index (CPI).

In lieu of payment of the one-time right-of-way usage or occupancy fee, mitigation may be considered. The Applicant must demonstrate this mitigation to benefit the mission of LWDD.

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Policy Considerations



- Policy and fee structure does not account for existing encroachments
- Encroachments that are expected to be addressed with future land use changes (e.g. agricultural infrastructure, vacant lands)
- Delegation of permitting for low risk encroachments to staff (e.g. landscaping, minimal encroachment into ROW w/out maintenance impacts)

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Encroachment Removal Budget



- In FY2019, \$250,000 budgeted for encroachment removal
 - Some encroachments removed as part of vegetation removal projects where necessary for access
- In FY2020, \$250,000 projected budget
- In FY2021, as CRP Phase I projects near completion, projecting \$350,000 annually for encroachment removal coupled with available funds for vegetation removal
- Annual permit fees will be allocated for encroachment removal; currently ~\$75,000 annually

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Canal Rehabilitation Program - Phase II Next Steps



- Staff to begin prioritizing canals for Phase II encroachment removal projects
- Prepare detailed assessment of encroachments
- Brief board on project phases/reaches
- Initiate outreach/notices with property owners and municipalities
- Initiate encroachment removal

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Discussion



17



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Tree Clearing Projects Mar 2018 – Mar 2019

Total Mileage – 28.23 mi past 12 months
(72.09 mi Oct 2015 to current)

- LWDD 16.76 mi
- Contractor Services 9.35 mi
- 3RD Party (Developer/Govt.) 2.12 mi

ROW Clearing

■ Completed ■ Remaining

Total Cost of Contract Services Expended or Encumbered

- FY19 \$814,945
- FY18 \$1,326,928
- FY17 \$630,785
- FY 16 \$120,475

2

Tree Clearing Projects Mar 2018 – Mar 2019



Canal Segment	Project #	Distance	LWDD/Contractor	Clearing Status	Cost
CCRP 2&3; Portions of L-46, L-48 & L-49	18-10166P.02	4.09 mi	Contractor/Surveyor	In Progress	\$288,260/\$39,470
L17; 2700' west of Congress to L.Osborne	16-9947P.01/.02	1.06 mi	LWDD/Survey	In Progress	- /\$3680
L-37; Military Trail to 3000' east of Milt	16-9857P.01	0.57 mi	LWDD/Survey	In Progress	- /\$7499
CCRP 1; Portions of L-7,L-8,L-9 & L-10	18-10166P.01	4.04 mi	Contractor	In Progress	\$389,500
L-2; E-2 to ~650ft west of Skees Rd.	16-9933P.02	0.88 mi	LWDD/Survey	In Progress	- /\$5,355
L-46; ~2100ft west of Jog to St. Andrews	16-9387P.03	1.27 mi	LWDD/Survey	In Progress	- /\$11,800
L-47; Verde Trail to L-46	16-9827P.03	0.15 mi	LWDD/Survey	In Progress	- /\$1,400
L-50; ~700ft west of I-95 to SW 8 th Ave.	16-9763P.04	1.15 mi	LWDD/Survey	In Progress	- /\$7,850
L-48; Royal Palm Rd. to SW 9th	16-9975P.06	0.38 mi	LWDD/Survey	In Progress	- /\$4,150
L-49; SW 12 th to SW 9th	16-9977P.03a	0.38 mi	LWDD/Survey	In Progress	- /\$4,600
L-34; Sherwood to E-3 ^{1/2} -3 & E-3 ^{1/2} -3	16-9539P.07b	0.24 mi	LWDD	In Progress	- /\$850
L-37; ~2000ft west of E-4 to E-4	16-9857P.04	0.38 mi	LWDD/Survey	Complete	- /\$3,800
L-38; E2.5 to Jog Rd	16-9856P.02	0.75 mi	LWDD	Complete	-
E-4; North of Atlantic (3 sites)	16-9897P.02	0.51 mi	LWDD	Complete	-
L-34; Sherwood to E-3 ^{1/2} -3 & E-3 ^{1/2} -3	16-9539P.07a	0.65 mi	LWDD	Complete	- /\$2,278
L-35; Military to E-3 ^{1/2} -3	169415P.04	1.00 mi	LWDD/Survey	Complete	- /\$7,650
L-38; ~4000ft west of Jog to Jog	16-9856P.02	0.75 mi	LWDD	Complete	-
L-4; West of Military Trail	16-9935P.02/.03/.06	1.37 mi	LWDD	Complete	- /\$7,600
L-34; East of E-3	16-9539P.06	0.13 mi	LWDD	Complete	-
L-23; West of Lawrence Rd	17-9953P.06	0.13 mi	LWDD	Complete	-
L-34W; ~3400ft to ~1200ft west of SR-7	16-9988P.01	0.44 mi	LWDD/Survey	Complete	- /\$3,540

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Tree Clearing Projects Mar 2018 – Mar 2019



Canal Segment	Project #	Distance	LWDD/Contractor	Clearing Status	Cost
L-23W; West of SR 7	16-9988P.01	0.78 mi	LWDD	Complete	-
L-26; Military to E-4	16-8889P.02/.03/.04/.06	2.73 mi	LWDD/Survey	Complete	- /\$9,287
L-24; Military to ~800ft east of Military	18-9954P.03	0.26 mi	LWDD	Complete	-
L-2; East of E-3 to West of Military	16-9933P.05 & P.06	0.39 mi	Contractor/Survey	Complete	\$67,500 /\$4,150
L-6; Kirk to FL Mango	16-9936P.01 & P.02	1.50 mi	LWDD/Contractor/Survey	Complete	\$193,000 /\$7,250
E-2 1/2 ; L-14 to L-13, L-14 east to Jog	16-9942P.01	1.10 mi	Contractor	Complete	\$94,500 /-
L-48; I-95 to Royal Palm Rd.	16-9975P.05	0.74 mi	LWDD/Survey	Complete	- /\$2,690
L-48; Lyons to Boca Rio	16-9975P.02	0.85 mi	FDOT/LWDD	Complete	-
L-46; NW 13 th to E-4	16-9387P.05b	0.08 mi	LWDD	Complete	-
L-3; Turnpike to Jog & Caroline to E-3	16-9934P.02 & P.03	0.99 mi	Contractor/Survey	Complete	\$88,682 /\$6,943
L-45; Jog to E-3	16-9974P.03	1.00 mi	LWDD/Survey	Complete	- /\$6,185
L-44; Jog to E-3	16-9917P.01	1.21 mi	LWDD/Contractor/Survey	Complete	\$24,940 /\$6,185
L-25; ~1700 ft west of Jog to Jog	16-9955P.02	0.32 mi	Contractor/Survey	Complete	\$58,790 /\$3,400
E-4; Mission Hill to I-95 (WEST bank)	16-9897P.09	0.22 mi	Contractor	Complete	\$30,000 /-
L-49; I-95 to SW 12th	16-9977P.03b	0.41 mi	LWDD/Survey	Complete	- /\$2,800
L-46; Glades to NW 13th	16-9387P.05a	0.37 mi	Contractor/Survey	Complete	\$58,000 /\$1,800
E-2; L-4 to Belvedere Rd	16-9917P.03	0.62 mi	LWDD	Complete	-
L-39; SR-7 to Lyons	16-9965P.01	1.05 mi	Developer	Complete	-
E-3; L-45 to L-44	16-9921P.14	0.63 mi	LWDD/Survey	Complete	- /\$4,820
L-23; East of Hagan Ranch Rd	16-9953P.03	0.13 mi	LWDD	Complete	-

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<h2 style="margin: 0;">Tree Clearing Projects</h2> Mar 2018 – Mar 2019 					
Canal Segment	Project #	Distance	LWDD/Contractor	Clearing Status	Cost
L-26; ~1200ft west of Military to Military	17-8889P.05	0.23 mi	Contractor/Survey	Complete	\$28,680 /\$4,778
L-41; Broken Sound to E-4	16-9968P.03	0.78 mi	Contractor/Survey	Complete	\$39,000 /\$3,180
E-4; Mission Hill to I-95 (EAST bank)	16-9897P.09	0.22 mi	Contractor/Survey	Complete	\$27,582 / -
L-48; ~1000ft east of SR-7 to Vineyard	16-9975P.06	0.21 mi	LWDD	Complete	- / -
L-48; East of Vineyard to Lyons	16-9975P.01	0.60 mi	Contractor/Survey	Complete	\$72,500 /\$4,180
L-24; Boynton Bch to Knuth	16-9954P.01	1.35 mi	Contractor/Survey	Complete	\$95,000 /\$8,300
L-23; E-2E to Hagen Ranch Rd	16-9953P.03	0.50 mi	Contractor/Survey	Complete	\$44,500 /\$4,700
E-3 ½-8; L-2 to Westgate	16-9983P.01	0.41 mi	LWDD/Survey	Complete	- /\$3,650
L-2; Wabasso to Congress	16-9933P.07	0.91 mi	LWDD/Survey	Complete	- /\$5,010
L-7; FL Mango to Forest Hill	17-9937P.07	0.30 mi	Contractor/Survey	Complete	\$20,500 /\$2,375
L-8; Tucker to Congress	17-9760P.07	0.40 mi	Contractor/Survey	Complete	\$51,168 /\$3,465
L-41; West of E-1	17-9968P.04	0.31 mi	LWDD/Survey	Complete	- /\$3,180
L-21; Lawrence to E-4	16-9950P.04	0.85 mi	Contractor/Survey	Complete	\$25,725 /\$2,995
E-2; South of Okeechobee	16-9917P.04	0.23 mi	Contractor/Survey	Complete	\$18,500 /\$2,545