

LAKE BELT MITIGATION COMMITTEE

ANNUAL REPORT FOR 2023

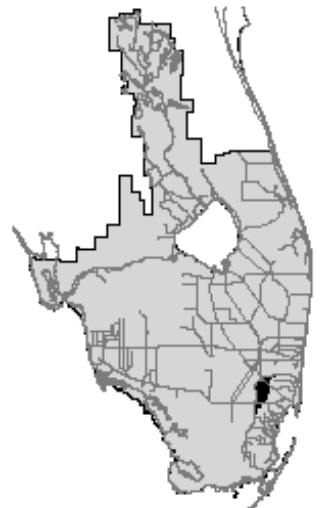
Submitted to the

GOVERNING BOARD

of the

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

In Accordance with Section 373.41492(8)(a), Florida Statutes



Lake Belt Mitigation Committee
2023 Annual Report

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Table 2. Lake Belt Mitigation Activities

Year	Pennsuco Acquisition, Restoration, & Long-Term Management (Acres) (WRAP)		Pennsuco Restoration, & Long-Term Management ² (Acres) (WRAP)		Other Projects ⁴ (WRAP)	Abiaki Prairie ⁵ (WRAP)	Adjustments ³ (Acres) (WRAP)		Committee Approved Mitigation WRAP units	Committee Approved Mitigation Acres ¹
	(Acres)	(WRAP)	(Acres)	(WRAP)			(Acres)	(WRAP)		
2002	455.6	113.9	1240.6	155.1					269.0	1,075.9
2003			2134.8	266.9					266.9	1,067.4
2004	160.0	40.0					-0.5	-0.1	39.9	159.5
2005	320.9	80.2							80.2	320.9
2006	142.4	35.6							35.6	142.4
2007	124.4	31.1							31.1	124.4
2008	10.0	2.5							2.5	10.0
2009			1708.0	213.5	25.0				238.5	954.0
2010	10.0	2.5			387.3		-4.7	-1.2	388.6	1554.3
2011	20.0	5.0			150.0				155.0	620.0
2012						85.0			85.0	340.0
2013						226.6			226.6	906.4
2014	30.0	7.5				226.6			234.1	936.4
2015	5.0	1.3			602.3	226.6			830.2	3320.6
2016	59.7	14.9				141.6	-1.2	-0.30	156.3	624.9
2017	1734.4	433.6	-1708.0	-213.5		85.0	-0.1	-0.03	305.1	1220.3
2018						56.7	-0.1	-0.03	56.6	226.7
2019						56.7	-0.1	-0.03	56.6	226.7
2020	23.2	5.8				56.7	-0.1	-0.03	62.4	249.9
2021						198.3	-0.1	-0.03	198.3	793.1
2022						198.3	-3.1	-0.78	197.5	790.1
2023	5.0	1.3				198.3	-0.1	-0.03	199.5	798.1
Total	3,100.6	775.2	3,375.4	421.9	1,164.6	1,756.4	-10.1	-2.5	4,115.5	16,462.0

Notes (Lake Belt Annual Report Table 5):

- ¹ Mitigation in terms of WRAP units and Pennsuco mitigation acres (Lake Belt Mitigation Committee Annual Reports). One Pennsuco mitigation acre equals 0.25 WRAP units (per interagency scoring task force).
- ² The number of WRAP units for only restoration and long-term management is equal to one-half the number of units if the property was also acquired (per Mitigation Committee decision).
1708 Pennsuco acres owned by Cemex were approved for treatment in 2009 and acquired in 2017
- ³ Mitigation adjustments (Lake Belt Annual Report Table 5B)
- ⁴ 2009 Southern Glades project (100 acres)
2010 Dade-Broward Levee 1500' setback restoration project (1549 acres)
2011 & 2015 L-31N seepage management project (752.3 WRAP units)
- ⁵ Based on updated 2021 cost estimate and 2020 Corps permit mitigation units

Table 3. Lake Belt Mitigation/Mining Summary

Year	Committee Approved Mitigation Acres ¹	Lake Belt Wetland Impacts In New Permit Areas (Acres)	Mitigation Needed to Offset Wetland Impacts (Acres) ²	Annual Balance (Acres)	Cumulative Balance (Acres)	Cumulative Balance (WRAP units)
2002	1,075.9	34	85	990.9	990.9	247.7
2003	1,067.4	135	337.5	729.9	1,720.8	430.2
2004	159.5	87	217.5	-58.0	1,662.8	415.7
2005	320.9	87	217.5	103.4	1,766.2	441.6
2006	142.4	567	1417.5	-1,275.1	491.1	122.8
2007	124.4	9	22.5	101.9	593.0	148.3
2008	10.0	5	12.5	-2.5	590.5	147.6
2009	954.0	1	2.5	951.5	1,542.0	385.5
2010	1554.3	108	270	1,284.3	2,826.3	706.6
2011	620.0	134	335	285.0	3,111.3	777.8
2012	340.0	30	75	265.0	3,376.3	844.1
2013	906.4	114	285	621.4	3,997.7	999.4
2014	936.4	246	615	321.4	4,319.1	1,079.8
2015	3320.6	241	602.5	2,718.1	7,037.2	1,759.3
2016	624.9	244	610	14.9	7,052.1	1,763.0
2017	1220.3	261	652.5	567.8	7,619.9	1,905.0
2018	226.7	230	575	-348.3	7,271.6	1,817.9
2019	226.7	318	795	-568.3	6,703.3	1,675.8
2020	249.9	169	422.5	-172.6	6,530.7	1,632.7
2021	793.1	467	1167.5	-374.4	6,156.3	1,539.1
2022	790.1	401	1002.5	-212.4	5,943.9	1,486.0
2023	798.1	not yet available				
Total	16,462.0	3,888	9,720	5,944		

Notes (Lake Belt Annual Report Table 5A):

¹ Mitigation in terms of Pennsuco mitigation acres (Lake Belt Mitigation Committee Annual Reports)

² Assumes 2.5 ratio utilized in State of Florida calculation of Lake Belt mitigation fee

VI. Appendices

APPENDIX A – Florida Statutes

373.41492. Miami-Dade County Lake Belt Mitigation Plan; mitigation for mining activities within the Miami-Dade County Lake Belt.

(1) The Legislature finds that the impact of mining within the rock mining supported and allowable areas of the Miami-Dade County Lake Belt Plan adopted by s. 373.4149(1) can best be offset by the implementation of a comprehensive mitigation plan. The Lake Belt Mitigation Plan consists of those provisions contained in subsections (2)-(8). The per-ton mitigation fee assessed on limestone sold from the Miami-Dade County Lake Belt Area and sections 10, 11, 13, 14, Township 52 South, Range 39 East, and sections 24, 25, 35, and 36, Township 53 South, Range 39 East, shall be used for acquiring environmentally sensitive lands and for restoration, monitoring, maintenance, and other environmental purposes. It is the intent of the Legislature that the per-ton mitigation fee not be a revenue source for purposes other than enumerated in this section. Further, the Legislature finds that the public benefit of a sustainable supply of limestone construction materials for public and private projects requires a coordinated approach to permitting activities on wetlands within Miami-Dade County in order to provide the certainty necessary to encourage substantial and continued investment in the limestone processing plant and equipment required to efficiently extract the limestone resource. It is the intent of the Legislature that the Lake Belt Mitigation Plan satisfy all local, state, and federal requirements for mining activity within the rock mining supported and allowable areas.

(2) To provide for the mitigation of wetland resources lost to mining activities within the Miami-Dade County Lake Belt Plan, effective October 1, 1999, a mitigation fee is imposed on each ton of limerock and sand extracted by any person who engages in the business of extracting limerock or sand from within the Miami-Dade County Lake Belt Area and the east one-half of sections 24 and 25 and all of sections 35 and 36, Township 53 South, Range 39 East. The mitigation fee is imposed for each ton of limerock and sand sold from within the properties where the fee applies in raw, processed, or manufactured form, including, but not limited to, sized aggregate, asphalt, cement, concrete, and other limerock and concrete products. The mitigation fee imposed by this subsection for each ton of limerock and sand sold shall be 25 cents per ton, beginning on January 1, 2016; 15 cents per ton beginning on January 1, 2017; and 5 cents per ton beginning on January 1, 2018, and thereafter. To pay for seepage mitigation projects, including groundwater and surface water management structures designed to improve wetland habitat and approved by the Lake Belt Mitigation Committee, and to upgrade a water treatment plant that treats water coming from the Northwest Wellfield in Miami-Dade County, a water treatment plant upgrade fee is imposed within the same Lake Belt Area subject to the mitigation fee and upon the same kind of mined limerock and sand subject to the mitigation fee. The water treatment plant upgrade fee imposed by this section for each ton of limerock and sand sold shall be 6 cents per ton, and the collection of this fee shall cease once the total amount of proceeds collected for this fee reaches the amount of the actual moneys necessary to design and construct the water treatment plant upgrade, as determined in an open, public solicitation process. The water treatment plant upgrade fee imposed by this section expires July 1, 2018. Any limerock or sand that is used within the mine from which the limerock or sand is extracted is exempt from the fees. The amount of the mitigation fee and the water treatment plant upgrade fee imposed under this section must be stated separately on the invoice provided to the purchaser

Summary of 2023 Expenditures / WRAP Mitigation Units Approved by Committee

	WRAP Units	Amount
1. SFWMD - Abiaki Prairie land acquisition, restoration and long-term management Mitigation Committee - March 2023	198.3	\$ 7,000,000
Cost/WRAP Unit	\$35,300	
WRAP units	198.3 units	
2. MDLPA - Dade-Broward Levee improvement project - Phase 3 Mitigation Committee - March 2023 Dade-Broward Levee structures operation and maintenance		\$ 14,453
3. MDLPA - Water Quality Monitoring (3/2022 - 2/2023) Mitigation Committee - March 2023		\$ 286,273
4. SFWMD - Pennsuco land acquisition, enhancement and long-term management Governing Board - May 2017 5.0 acres (Perez) Acquisition cost plus \$2,027 / acre	1.25	\$ 50,134
Pennsuco WRAP score	0.25 units/acre	
5 acres =	1.25 WRAP units	
 Total Pennsuco equivalent mitigation acres / Expenditures	199.6	\$ 7,350,860

Escrow account reconciliation deposits (see Appendix D)

1. Escrow account accrued interest through 9/30/2023	\$	313
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APPENDIX C

Receipts / Approved Expenditures Summary

Receipts / Approved Expenditures Through 2023

Year	Permit Table Estimated Mitigation Fee Collections	Estimated Mitigation Fee Running Total	Department of Revenue Mitigation Fee Deposits	Actual Mitigation Fee Running Total	Investment Income	Cash Receipts Running Total	Approved Expenditures	End of Year Balance	Payment Summary	Committee Approved Mitigation WRAP units
1999	487,813	487,813	*	0	*	0	0	0		
2000	1,950,000	2,437,813	2,386,463	2,386,463	78,162	2,464,625	0	2,464,625		
2001	2,181,684	4,619,497	2,227,895	4,614,358	167,611	4,860,131	0	4,860,131		
2002	2,297,314	6,916,811	2,436,950	7,051,308	174,384	7,471,465	6,607,977	863,488		269.0
2003	2,419,071	9,335,882	2,761,957	9,813,265	205,836	10,439,258	0	3,831,281	6,555,971	266.9
2004	2,547,282	11,883,164	3,109,122	12,922,387	132,434	13,680,814	866,124	6,206,713	491,360	39.9
2005	2,682,288	14,565,452	3,344,232	16,266,619	200,189	17,225,235	6,184	9,744,950	3,732,067	80.2
2006	2,824,449	17,389,901	3,808,079	20,074,698	521,348	21,554,662	6,151,264	7,923,113	-3,785,199	35.6
2007	2,974,145	20,364,046	4,989,649	25,064,347	934,092	27,478,403	8,784,471	5,062,383	-6,994,199	31.1
2008	3,131,775	23,495,821	4,899,784	29,964,131	380,229	32,758,416	3,727,447	6,614,949		2.5
2009	3,297,759	26,793,580	4,349,570	34,313,701	234,641	37,342,627	9,858,913	1,340,247		238.5
2010	3,472,540	30,266,120	4,481,029	38,794,730	83,335	41,906,991	3,010,721	2,893,890		388.6
2011	3,656,585	33,922,705	4,740,963	43,535,693	122,561	46,770,515	8,038,997	(281,583)		155.0
2012	3,838,769	37,761,474	12,403,868	55,939,561	85,431	59,259,814	3,002,138	9,205,578		85.0
2013	4,042,223	41,803,697	19,253,324	75,192,885	(6,568)	78,506,570	8,866,634	19,585,700		226.6
2014	4,256,461	46,060,158	19,126,468	94,319,353	608,471	98,241,509	8,302,656	31,017,983		234.1
2015	4,482,054	50,542,211	17,158,956	111,478,309	366,129	115,766,594	14,727,716	33,815,352		830.2
2016	4,719,603	55,261,814	10,786,476	122,264,785	370,611	126,923,681	8,907,240	36,065,199		156.3
2017	4,969,741	60,231,555	6,241,310	128,506,095	783,432	133,948,423	13,885,109	29,204,832		305.1
2018	5,233,138	65,464,693	2,538,736	131,044,831	870,765	137,357,924	2,107,289	30,507,044		56.6
2019	5,510,494	70,975,187	2,028,406	133,073,237	2,273,585	141,659,915	2,000,000	32,809,035		56.6
2020	5,802,550	76,777,737	1,904,079	134,977,316	1,571,700	145,135,694	2,382,854	33,901,960		62.4
2021	6,110,085	82,887,822	1,882,821	136,860,137	(250,127)	146,768,388	7,162,469	28,372,185		198.3
2022	6,433,920	89,321,742	2,099,801	138,959,938	(3,813,935)	145,054,254	7,231,658	19,426,393		197.5
2023	6,774,918	96,096,660					7,350,860	12,075,533		199.5
TOTAL			\$138,959,938		\$6,094,316		\$132,978,721		\$0	4,115.5

* 1999 & 2000 combined

Abiaki Prairie Project Mitigation Credits

August 2021 Update \$ 151,718,997 Total cost

6,314 acres 4,298 WRAP units
 \$24,029 cost/Abiaki acre \$35,300 cost/WRAP unit

LBMC Meeting	Contribution	Abiaki acres	WRAP units
12/2012	\$ 3,000,000	124.8	85.0
11/2013	\$ 8,000,000	332.9	226.6
6/2014	\$ 8,000,000	332.9	226.6
7/2015	\$ 8,000,000	332.9	226.6
7/2016	\$ 5,000,000	208.1	141.6
8/2017	\$ 3,000,000	124.8	85.0
9/2018	\$ 2,000,000	83.2	56.7
7/2019	\$ 2,000,000	83.2	56.7
3/2020	\$ 2,000,000	83.2	56.7
8/2021	\$ 7,000,000	291.3	198.3
8/2022	\$ 7,000,000	291.3	198.3
3/2023	\$ 7,000,000	291.3	198.3
Total	\$ 62,000,000	2,580.2	1,756.4