

OUTLINE – MFL

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- **PERTINENT STATUTES / RULES**
- **APPLICATION TO WARM MINERAL SPRINGS / MYAKKAHATCHEE**

STATUTES & RULES

- **MINIMUM FLOWS AND LEVELS (373.042, F.S.)**
- **ESTABLISHMENT AND IMPLEMENTATION OF MINIMUM FLOWS AND LEVELS (373.0421, F.S.)**
- **WATER LEVELS AND RATES OF FLOW (40D-8, F.A.C.)**
- **ACTUAL RULES BY SYSTEM (40D-8.041, F.A.C.)**
- **RECOVERY AND PREVENTION STRATEGIES FOR MINIMUM FLOWS AND LEVELS (40D-80, F.A.C.)**
- **WATER RESOURCE IMPLEMENTATION RULE – MINIMUM FLOWS AND LEVELS (62-40.473, F.A.C.)**

STATUTE HIGHLIGHTS

DEFINITION & DATA

- **MINIMUM FLOW IS THE 'LIMIT AT WHICH FURTHER WITHDRAWALS WOULD BE SIGNIFICANTLY HARMFUL TO WATER RESOURCES OR ECOLOGY'**

373.042(1)(A)

- **CALCULATED USING 'BEST INFORMATION AVAILABLE' AND 'MAY BE CALCULATED TO REFLECT SEASONAL VARIATIONS.'** 373.042(1)(B)

STATUS

- **COMPLETED**
 - **SPRINGS 15**
 - **ESTUARIES 9**
 - **FRESHWATER 10**
 - **LAKES 116**
 - **AQUIFERS 9**
 - **WETLANDS 41**
- **PENDING (2015 – 2024)**
 - **SPRINGS 11**
 - **ESTUARIES 10**
 - **FRESHWATER 15**
 - **LAKES 40**

STATUTE HIGHLIGHTS - PRIORITY LIST

- **PRIORITY LIST REQUIRED ANNUALLY - APPROVED BY FDEP**
- **PRIORITY LIST BASED ON IMPORTANCE OF THE WATER BODY**
- **THE EXISTENCE OR POTENTIAL FOR SIGNIFICANT ECOLOGICAL HARM**
- **INCLUDES ALL 1ST MAGNITUDE SPRINGS AND 2ND MAGNITUDE WITHIN STATE OR FEDERALLY OWNED LAND PURCHASED FOR CONSERVATION PURPOSES**
- **SCHEDULE FOR ESTABLISHMENT OF SPRING MFL COMMENSURATE WITH EXISTING OR POTENTIAL THREAT FROM CONSUMPTIVE USES. 373.042(2)**

STATUTE HIGHLIGHTS - RECOVERY PLAN

- **‘IF EXISTING FLOW . . . IS BELOW, OR IS PROJECTED TO FALL WITHIN 20 YEARS BELOW. . . . SHALL IMPLEMENT A RECOVERY OR PREVENTION STRATEGY AS PART OF THE REGIONAL WATER SUPPLY PLAN . . . TO ACHIEVE RECOVERY TO THE ESTABLISHED MINIMUM FLOW AS SOON AS PRACTICAL . . OR PREVENT THE EXISTING FLOW FROM FALLING BELOW THE ESTABLISHED MINIMUM FLOW. . .’ 373.0421(2)(a) & (b).**

RULE HIGHLIGHTS

- **40D-8.011 POLICY AND PURPOSE**

- **(4) . . ARE USED AS ONE OF THE CRITERIA IN EVALUATING WATER USE PERMITS. . . DOES NOT OVERRIDE APPLICABILITY OF ALL OTHER PERMITTING CRITERIA, NOR ALTER THE MANNER IN WHICH DISTRICT EVALUATES COMPLIANCE WITH CRITERIA.**
- **(5) THE MINIMUM FLOWS AND LEVELS ARE BASED ON BEST INFORMATION AVAILABLE . . MAY VARY IN TYPE, SCOPE, DURATION . . . MAY BE LESS THAN OPTIMALLY DESIRED . . . ESTABLISHMENT MAY REQUIRE DEVELOPMENT OF METHODOLOGIES THAT PREVIOUSLY DID NOT EXIST . . . APPLIED FOR THE FIRST TIME.**

MYAKKAHATCHEE CREEK



- **2.4 miles from control structure to Myakka**
- **1.2 miles natural shoreline**
- **Withdrawals average 3% of inflow**



MAJOR SYSTEMS ON PRIORITY LIST

- **MANATEE / BRADEN (2015)**
 - **GUM SPRINGS, RAINBOW RIVER (2016)**
 - **CRYSTAL RIVER/KINGS BAY (2017)**
 - **PEACE RIVER (REEVALUATION)/SHELL CREEK (2018)**
 - **CHASSAHOWITZKA/HOMOSASSA (REEVALUATION) (2019)**
 - **LITTLE MANATEE, WITHLACOOCHEE RIVER (2020)**
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WARM MINERAL SPRINGS

- **NOT STATE OR FEDERAL CONSERVATION LANDS.**
 - **NO SIGNIFICANT THREAT FROM WITHDRAWALS.**
 - **3RD MAGNITUDE SPRING.**
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WARM MINERAL SPRINGS

site	Measure Number	Date	Measurement used ?	Who	agency	gage height	cfs	Rated	duration hr
2299260	1	10/1/1942	Yes	RCH/CWL	USGS	2.1	11.7	FAIR	0.50
2299260	2	4/29/1946	Yes	CWL	USGS	2.86	10.8	UNSP	
2299260	3	4/24/1956	Yes	WA	USGS	0.4	9.5	FAIR	
2299260	4	12/14/1960	Yes	ACA	USGS		9.0	GOOD	0.50
2299260	5	2/22/1962	Yes	JLJ	USGS	5.57	9.4	GOOD	0.30
2299260	6	4/9/1962	Yes	JLJ	USGS	5.66	10.0	GOOD	0.50
2299260	7	6/7/1962	Yes	JLJ/JDW	USGS	5.62	9.3	GOOD	0.30
2299260	8	11/21/1971	Yes	JS	USGS	3.6	11.2	UNSP	1.00
2299260	9	5/31/1972	Yes	PFL	USGS	3.72	9.2	GOOD	1.00
2299260	10	6/3/1981	Yes	DMM	USGS	4.49	6.9	GOOD	0.25
		3/4/2003			FGS ⁽¹⁾		4.2		
1 st magnitude > 100 cfs 2 nd magnitude 10 - 100 cfs 3 rd magnitude 1 - 10 cfs			Average 9.2						

(1) Springs of Florida - Florida Geological Survey. Bulletin 66 (2004)

SWFWMD MFL WEB SITE

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