

Martin County STA's Extended Detention Volumes

Description	Elevation	Area	Storage (ac-ft)	Depth	Width	Length
Danforth Creek - Site				Danforth Creek - Creek		
Control Elevation	13.00	8.50		1.5	15	550
Grade Break	11.00	7.36	15.86			
Bottom	-1.00	5.81	79.02			
TOTAL			94.88			0.28
					TOTAL	95.16 ac-ft
Warner Creek				Warner Creek - Creek		
Beacon 21 STA						
Control Elevation	1.50	3.32				
Grade Break	-0.80	2.81	7.05	Not taking credit in Creek		
Bottom	-11.00	2.41	26.62			
TOTAL			33.67			
Trinity Dry Retention						
Control Elevation	8.50	0.45				
Bottom	5.70	0.35	1.12			
TOTAL			1.12			
					TOTAL	34.79 ac-ft
Manatee Creek				Manatee Creek - Creek		
Phase 1						
Control Elevation	9.00	7.51				
Grade Break	8.00	4.48	6.00	Not taking credit in Creek		
Bottom	7.00	4.18	4.33			
TOTAL			10.33			
Phase 2						
Control Elevation	5.75	1.51				
Bottom	3.75	1.21	2.72			
TOTAL			2.72			
Phase 3						
Control Elevation	8.00	7.30				
Bottom	6.50	6.18	10.11			
Deep Cell	-1.00	4.98	41.85			
TOTAL			51.96			
Twin Lakes						
Control Elevation	8.60	1.49				
Grade Break	5.50	1.21	4.19			
Bottom	-0.50	0.76	5.91			
TOTAL			10.10			
					TOTAL	75.10 ac-ft
Rio						
STA						
Control Elevation	6.25	1.21				
Grade Break	4.25	0.65	1.86		N / A	
Bottom	0.00	0.48	2.40			
TOTAL			4.26			
South Lake						
Control Elevation	7.50	0.96				
Bottom	-3.50	0.78	9.57			
TOTAL			9.57			
North Lake						
Control Elevation	3.75	1.37				
Bottom	-0.50	1.05	5.14			
TOTAL			5.14			
		TOTAL	18.97 ac-ft			

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Description	Elevation	Area	Storage (ac-ft)	Depth	Width	Length
Coral Gardens				Coral Gardens - Canal		
STA						
Control Elevation	2.00	4.65		1.25	20	2900
Grade Break	-0.50	3.91	10.70			
Bottom	-2.25	2.70	5.78			
TOTAL			16.48			1.66
					TOTAL	18.15 ac-ft
Fern Creek				Fern Creek - Creek		
STA						
Control Elevation	7.00	7.48		1.75	20	2400
Grade Break	5.00	6.23	13.71			
Bottom	3.00	4.98	24.92			
TOTAL			38.63			1.93
					TOTAL	40.56 ac-ft
Palm Lake Park						
STA						
Control Elevation	5.57	6.69			N / A	
Bottom	-2.50	2.28	36.19			
TOTAL			36.19			
		TOTAL	36.19 ac-ft			
Salerno Creek						
STA						
Control Elevation	5.00	24.00			N / A	
Grade Break	3.00	20.00	44.00			
Bottom	-3.70	10.50	102.18			
TOTAL			146.18			
		TOTAL	146.18 ac-ft			
Old Palm City						
Phase 1 - Skelton Pond						
Control Elevation	4.20	2.00			N / A	
Grade Break	3.60	1.20	0.96			
Bottom	-4.00	0.40	6.08			
TOTAL			7.04			
Phase 1 - 32nd St STA						
Control Elevation	2.00	0.25				
Bottom	0.00	0.10	0.35			
TOTAL			0.35			
Phase 3 - W STA						
Control Elevation	1.20	3.25				
Grade Break	-0.30	2.75	4.50			
Grade Break	-1.25	1.50	2.02			
Bottom	-6.00	0.15	3.92			
TOTAL			10.44			
Phase 3 - E STA						
Control Elevation	5.00	2.75				
Grade Break	3.50	1.90	3.49			
Grade Break	2.00	0.50	1.80			
Bottom	-4.00	0.20	2.10			
TOTAL			7.39			
		TOTAL	24.87 ac-ft			