

Table 2-5

## Florida Stream Water-Quality Index criteria

(percentile distribution of STORET data)

Parameter	Best quality			Median value				Worst quality		
	Unit	10%	20%	30%	40%	50%	60%	70%	80%	90%
<b>Category: Water clarity</b>										
Turbidity	JTU	1.50	3.00	4.00	4.50	5.20	8.80	12.20	16.50	21.00
Total suspended solids	milligrams per liter (mg/l)	2.00	3.00	4.00	5.50	6.50	9.50	12.50	18.00	26.50
<b>Category: Dissolved oxygen</b>										
Dissolved oxygen	mg/l	8.00	7.30	6.70	6.30	5.80	5.30	4.80	4.00	3.10
<b>Category: Oxygen demand</b>										
Biochemical oxygen demand	mg/l	0.80	1.00	1.10	1.30	1.50	1.90	2.30	3.30	5.10
Chemical oxygen demand	mg/l	16.00	24.00	32.00	38.00	46.00	58.00	72.00	102.00	146.00
Total organic carbon	mg/l	5.00	7.00	9.50	12.00	14.00	17.50	21.00	27.50	37.00
<b>Category: Nutrients</b>										
Total nitrogen	mg/l as N	0.55	0.75	0.90	1.00	1.20	1.40	1.60	2.00	2.70
Nitrate plus nitrite	mg/l as N	0.01	0.03	0.05	0.07	0.10	0.14	0.20	0.32	0.64
Total phosphorus	mg/l as P	0.02	0.03	0.05	0.07	0.09	0.16	0.24	0.46	0.89
<b>Category: Bacteria</b>										
Total coliform	#/100 milliliters (ml)	100.00	150.00	250.00	425.00	600.00	1100.00	1600.00	3700.00	7600.00
Fecal coliform	#/100 ml	10.00	20.00	35.00	55.00	75.00	135.00	190.00	470.00	960.00
<b>Category: Biological diversity</b>										
Diversity Index— Natural Substrate	Index	3.50	3.10	2.80	2.60	2.40	2.15	1.95	1.50	1.20
Diversity Index— Artificial Substrate	Index	3.55	3.35	3.20	3.05	2.90	2.65	2.40	1.95	1.35
Beck's Biotic Index	Index	32.00	28.00	23.00	18.50	14.00	11.00	8.00	5.50	3.50