

SCECAP 1999-2000

Water, sediment, and biological cut points

These are the old threshold values. Please see 2005-2006 table for new thresholds.

Parameter	Criteria	Percent of Tidal Creek Habitat			Percent of Open Water Habitat		
		Lower CL	Percent	Upper CL	Lower CL	Percent	Upper CL
WATER QUALITY							
Salinity -- ppt (25 Hr mean - bottom)	≤ 5	--	0	--	1	7	14
	≤ 18	0	5	10	4	13	21
	≤ 30	13	25	37	39	51	64
	> 30	--	75	--	--	49	--
Dissolved Oxygen -- mg/l (25 Hr mean - bottom)	< 3	1	7	13	--	0	--
	< 4	32	46	60	1	9	16
	< 5	83	91	99	40	54	67
	≥ 5	--	9	--	--	46	--
Dissolved Oxygen -- mg/l (Instantaneous Bottom)	< 3	10	21	32	--	0	--
	< 4	41	54	67	13	24	35
	< 5	80	89	98	58	70	81
	> 5	--	11	--	--	30	--
Dissolved Oxygen -- mg/l (Instantaneous - surface)	< 3	8	18	28	--	0	--
	< 4	41	54	67	5	14	22
	< 5	79	88	97	56	68	80
	> 5	--	12	--	--	32	--
pH (polyhaline stations only) (25 Hr mean - bottom) <small>Percentage of polyhaline stations</small>	< 7.1	--	4	--	--	2	--
	< 7.4	--	31	--	--	10	--
	> 7.4	--	69	--	--	90	--
<small>*values corrected 11/28/2006</small>							
Total Kjeldahl Nitrogen mg/l	≤ 0.81	72	82	92	91	96	--
	≤ 1.06	85	92	99	--	100	--
	> 1.06	--	8	--	--	0	--
Nitrate / Nitrite mg/l	≤ 0.14	--	100	--	84	91	99
	≤ 0.23	--	--	--	69	99	100
	> 0.23	--	--	--	--	--	--
Total Nitrogen (TKN + NOx - mg/l)	≤ 0.95	79	88	97	90	96	100
	≤ 1.29	--	12	--	--	4	--
	> 1.29	--	0	--	--	0	--

Parameter	Criteria	Percent of Tidal Creek Habitat			Percent of Open Water Habitat		
Ammonia Nitrogen mg/l	≤ 0.28	41	56	71	67	79	91
	≤ 0.48	74	84	95	94	98	100
	≤ 0.60	89	96	102	--	100	--
	> 0.60	--	4	--	--	0	--
Total Phosphorus mg/l	≤ 0.09	32	45	59	71	81	91
	≤ 0.17	85	92	99	--	19	--
	> 0.17	--	8	--	--	0	--
BOD ₅ mg/l	≤ 1.8	43	56	69	53	66	78
	≤ 2.6	66	77	88	73	83	93
	> 2.6	--	23	--	--	17	--
Total Organic Carbon mg/l	≤ 11	93	97	101	96	99	100
	≤ 16	--	100	--	--	100	--
	> 16	--	0	--	--	0	--
Fecal Coliform -- mg/l cells / 100ml	≤ 43	72	82	92	88	94	100
	≤ 400	96	99	102	62	99	100
	> 400	--	1	--	--	1	--
Alkalinity mg/l	≤ 98	4	13	22	26	39	51
	≤ 110	15	26	37	46	59	71
	≤ 114	28	41	54	59	71	83
	≤ 125	72	82	92	--	100	--
	> 125	--	18	--	--	0	--
Turbidity NTU	≤ 15	33	46	59	54	66	78
	≤ 25	66	77	88	86	92	99
	> 25	--	23	--	--	8	--
WQ Score (with nutr) continuous	≤ 3.0	0	5	10	--	0	--
	≤ 4.0	25	38	51	3	11	19
	> 4.0	--	62	--	--	89	--
SEDIMENT QUALITY							
Sediment Composition Percent Silt Clay	80	36	49	62	61	72	84
	20-80	--	42	--	--	22	--
	20	16	9	2	12	6	0

Parameter	Criteria	Percent of Tidal Creek Habitat			Percent of Open Water Habitat		
TOC	≤ .05	0	4	8	1	8	16
	0.05-3	--	85	--	--	87	--
	>3	3	11	19	0	5	10
Porewater Ammonia mg/l	≤ 14	96	99	102	71	99	100
	>14	--	1	--	--	1	--
Contaminants ERMQ	≤ 0.020	68	79	90	79	88	96
	≤ 0.058	--	100	--	0	98	18
	> 0.058	--	0	--	--	2	--
Toxicity	None	34	47	60	43	56	69
	1 of 3	33	46	59	19	30	42
	≥ 2 of 3	3	7	11	5	14	22
Integrated Sediment Score	1.5	--	0	--	0	3	8
	1.5-3.5	--	38	--	--	30	--
	3.5	51	62	73	56	67	79
BIOLOGY							
Chlorophyll A µg/l	≤ 5	0	6	12	0	7	14
	≤ 20	78	87	96	93	97	100
	≤ 60	--	100	--	--	100	--
	> 60	--	0	--	--	0	--
Benthic IBI	≤ 1.5	0	4	8	0	2	5
	≤ 2.5	6	16	26	5	14	22
	> 2.5	--	84	--	--	86	--
Overall Integrated Measure Habitat Quality Score	≤ 1.8	--	0	--	--	0	--
	≤ 3.2	4	12	20	1	8	26
	> 3.2	--	88	--	--	92	--