

Appendix B. Annual temperature (F) variations during ebb and flood tides at King Harbor. Redondo Beach Generating Station NPDES.

Year	Season	Tide	Surface Temperature				Bottom Temperature			
			All Stations			Discharge	All Stations			Discharge
			Average	Minimum	Maximum	RW1	Average	Minimum	Maximum	RW1
2015	Winter	Flood	62.09	61.81	62.29	62.02	61.30	61.00	61.81	61.412
		Ebb	61.77	61.66	61.92	61.84	61.32	60.93	61.77	61.61
	Summer	Flood	67.28	64.71	68.29	64.71	61.83	59.18	63.68	63.68
		Ebb	66.03	63.63	66.72	63.63	61.89	60.37	63.57	62.02
2014	Winter	Flood	58.766	58.478	59.162	58.802	58.316	57.812	58.838	58.478
		Ebb	59.342	59.018	59.612	59.612	58.478	58.01	59.018	58.77
	Summer	Flood	73.40	72.68	74.318	73.418	70.574	62.654	72.338	72.176
		Ebb	74.876	74.426	75.218	74.786	69.638	65.588	72.194	70.898
2013	Winter	Flood	55.814	55.292	56.444	55.814	54.374	54.068	54.752	54.464
		Ebb	54.50	54.284	54.806	54.644	54.266	53.564	54.608	54.572
	Summer	Flood	68.90	68.576	69.08	69.026	60.638	56.732	67.532	62.06
		Ebb	69.926	69.368	70.322	69.926	60.908	55.652	67.964	64.688
2012	Winter	Flood	58.478	58.316	58.712	58.64	56.606	55.274	58.172	57.326
		Ebb	59.054	58.658	59.558	59.558	57.146	55.634	58.388	57.704
	Summer	Flood	70.304	69.17	72.302	70.286	58.964	56.192	66.002	57.308
		Ebb	73.13	71.276	74.408	71.996	60.782	56.30	68.594	63.392
2011	Winter	Flood	60.926	59.522	62.024	60.782	57.668	57.236	60.026	57.38
		Ebb	61.556	60.206	62.222	62.006	57.614	57.218	59.612	57.416
	Summer	Flood	69.026	68.936	69.098	69.062	64.598	59.63	68.81	65.84
		Ebb	70.358	70.016	70.682	70.376	66.146	62.294	68.774	68.414
2010	Winter	Flood	60.386	59.756	60.728	60.53	59.072	58.676	59.684	59.198
		Ebb	60.098	59.756	60.368	60.242	59.594	59.306	59.72	59.306
	Summer	Flood	67.802	67.442	68.162	67.838	57.722	54.302	64.112	58.856
		Ebb	68.846	68.234	69.566	68.63	61.376	54.212	66.956	65.30
2009	Winter	Flood	58.41	58.32	58.55	58.37	57.40	56.61	57.81	57.506
		Ebb	59.27	59.11	59.50	59.32	57.11	55.69	58.01	57.956
	Summer	Flood	65.23	64.33	65.98	65.21	57.42	55.31	60.78	58.12
		Ebb	67.10	65.97	68.00	67.39	59.49	58.05	65.68	58.05
2008	Winter	Flood	60.28	59.61	60.96	60.96	56.82	55.33	59.88	57.11
		Ebb	62.17	61.47	62.96	62.96	57.67	55.11	60.22	58.14
	Summer	Flood	70.50	69.98	70.75	70.41	55.26	54.57	56.26	55.45
		Ebb	70.84	70.20	71.44	70.72	57.60	53.73	66.83	55.45
2007	Winter	Flood	58.87	58.66	59.05	58.87	58.66	58.41	58.89	58.59
		Ebb	59.77	59.27	60.04	59.90	58.42	57.38	58.96	58.96
	Summer	Flood	72.54	70.16	73.99	70.16	58.69	56.23	68.54	58.05
		Ebb	76.19	72.54	78.04	76.17	64.26	56.98	72.12	63.84
2006	Winter	Flood	58.51	58.35	58.68	58.60	57.90	56.71	58.50	58.37
		Ebb	59.16	58.84	59.45	59.11	58.05	56.95	58.60	58.35
	Summer	Flood	71.94	71.56	72.23	72.23	59.77	54.70	69.51	61.95
		Ebb	73.49	73.22	73.65	73.56	57.02	57.54	71.85	71.67
2005	Winter	Flood	61.52	61.09	62.13	61.77	57.54	54.45	60.51	59.18
		Ebb	60.60	60.40	60.75	60.69	56.93	54.09	60.10	58.89
	Summer	Flood	73.33	71.64	74.62	72.59	64.72	56.86	70.14	65.01
		Ebb	76.73	74.14	78.80	78.80	66.29	57.69	70.05	68.04

Appendix B. Annual temperature (F) variations during ebb and flood tides at King Harbor. Redondo Beach Generating Station NPDES.

Year	Season	Tide	Surface Temperature				Bottom Temperature			
			All Stations			Discharge	All Stations			Discharge
			Average	Minimum	Maximum	RW1	Average	Minimum	Maximum	RW1
2004	Winter	Flood	63.23	62.06	63.99	63.36	59.27	57.40	62.37	59.40
		Ebb	64.81	63.52	65.86	65.57	61.81	60.94	63.97	61.70
	Summer	Flood	71.44	69.91	72.54	69.91	65.84	59.61	70.11	68.72
		Ebb	71.20	69.71	72.77	70.02	64.15	2613.20	69.60	66.06
2003	Summer	Flood	64.65	64.47	64.81	64.62	60.44	58.60	62.83	61.27
		Ebb	64.08	62.96	64.65	62.96	60.93	54.99	64.13	62.19
2002	Winter	Flood	58.98	58.30	59.67	59.18	55.31	52.23	57.69	57.67
		Ebb	58.39	58.01	58.71	58.71	53.44	51.75	57.43	56.68
	Summer	Flood	72.01	67.35	73.51	67.35	65.70	59.67	70.14	67.69
		Ebb	72.46	70.54	73.62	73.47	67.87	63.66	70.84	67.55
2001	Winter	Flood	66.49	64.24	67.86	67.78	60.08	57.56	67.03	58.77
		Ebb	65.39	63.27	66.18	65.98	58.96	56.91	65.26	58.77
	Summer	Flood	71.53	68.20	73.71	75.02	60.42	57.83	66.81	63.03
		Ebb	74.68	71.37	76.60	73.71	62.69	58.62	73.47	58.87
2000	Winter	Flood	57.85	57.47	58.32	58.06	57.09	56.73	57.45	57.27
		Ebb	58.78	58.10	59.41	58.75	57.16	56.53	57.60	57.60
	Summer	Flood	78.12	76.10	79.68	77.94	69.53	62.53	72.77	71.35
		Ebb	74.75	73.60	75.25	74.93	67.05	57.99	72.63	68.52
1999	Winter	Flood	57.43	57.02	57.79	57.25	55.83	54.05	56.95	56.37
		Ebb	55.89	55.49	56.10	55.90	54.73	53.64	55.69	55.51
	Summer	Flood	70.61	67.96	71.74	70.57	59.23	56.34	68.36	58.69
		Ebb	69.62	68.34	70.59	70.48	59.52	56.23	67.86	58.42
1998	Summer	Flood	68.81	66.78	70.81	67.01	59.58	57.72	66.33	58.80
		Ebb	70.83	69.04	71.85	69.06	60.75	58.41	67.64	60.44

Appendix B. Annual temperature (F) variations during ebb and flood tides at King Harbor. Redondo Beach Generating Station NPDES.

Year	Season	Tide	Surface Temperature				Bottom Temperature			
			All Stations			Discharge	All Stations			Discharge
			Average	Minimum	Maximum	RW1	Average	Minimum	Maximum	RW1
1997	Winter	Flood	66.78	64.81	68.07	67.57	58.96	56.46	65.39	59.32
		Ebb	66.33	63.91	67.80	66.85	59.07	55.33	63.86	60.67
	Summer	Flood	71.82	69.89	72.77	69.89	65.34	62.01	70.61	69.39
		Ebb	72.27	71.24	72.84	72.79	65.73	63.27	72.10	67.08
1996	Winter	Flood	62.76	61.23	63.97	62.31	58.10	55.89	59.77	59.16
		Ebb	63.00	58.91	66.74	66.74	59.41	55.67	63.12	63.12
	Summer	Flood	71.60	70.72	72.48	70.75	57.99	56.37	60.82	57.27
		Ebb	72.43	71.20	73.56	72.09	56.80	54.64	59.74	57.79
1995	Winter*	Flood	67.84	64.62	69.17	64.62	62.73	57.18	67.42	65.05
		Ebb	68.76	68.43	68.99	68.94	62.78	54.03	68.00	64.80
	Summer	Flood	75.38	73.42	77.13	75.20	67.19	61.50	69.13	67.14
		Ebb	75.34	72.30	76.44	76.08	65.80	59.00	70.93	67.64
1994	Winter	Flood	68.90	66.45	70.61	70.52	59.14	55.22	64.47	59.68
		Ebb	66.85	62.82	68.63	68.13	56.93	53.49	62.56	59.47
	Summer	Flood	74.77	72.79	76.01	73.87	63.86	56.66	64.78	64.31
		Ebb	75.22	73.83	76.30	75.29	64.35	60.13	73.99	67.53
1993	Winter	Flood	69.03	65.59	70.03	69.51	61.52	59.02	65.64	61.63
		Ebb	67.80	64.47	68.86	68.86	61.97	59.18	66.61	62.42
	Summer	Flood	71.26	69.96	72.10	71.65	60.87	56.08	68.88	61.99
		Ebb	72.27	70.88	73.33	71.82	64.06	58.68	67.33	64.65
1992	Winter	Flood	66.78	64.22	68.25	65.80	61.72	60.06	64.81	60.69
		Ebb	66.76	63.32	68.90	68.90	61.74	60.03	65.75	61.11
	Summer	Flood	72.39	70.92	73.29	73.29	67.87	66.02	69.66	68.00
		Ebb	73.83	73.44	74.44	74.30	68.45	65.21	71.10	69.04
1991	Winter	Flood	61.16	59.85	61.88	61.88	57.52	56.37	60.53	57.18
		Ebb	59.09	57.42	60.91	60.91	56.08	53.71	57.69	56.32
	Summer	Flood	68.85	67.69	69.58	69.37	61.47	57.99	68.41	61.50
		Ebb	71.85	69.84	72.93	72.25	63.95	59.72	69.19	63.27