

Raw data for downstream and Settlement Pond water samples at the Florentine and Wayatinah Hatcheries

Region	Site	Date	Season	Temp	pH	EC	DO_mgL	DO_per	TDS	TSS	Alkalinity	Hardness	BOD	Coliforms
Florentine	Downstream	23-Feb-18	Summer	13.3	5.42	218	11.1	106.5	149	5	100	105	7	50
Florentine	Downstream	13-Mar-18	Autumn		7.8	340			199	8	157	169	8	<10
Florentine	Downstream	26-Mar-18	Autumn		7.4	163			112	10	58	64	6	50
Florentine	Downstream	11-Apr-18	Autumn		7.6	223			146	3	99	99	<5	40
Florentine	Downstream	19-Apr-18	Autumn		7.4	108			103	6	35	44	<5	120
Florentine	Downstream	3-May-18	Autumn		7.7	230			149	3	100	106	<5	30
Florentine	Downstream	16-May-18	Autumn	6.9	7.6	176	12.82	105.2	119	25	67	75	<5	90
Florentine	Downstream	5-Jun-18	Winter	5.6	7.7	226			144	4	81	82	6	<10
Florentine	Downstream	21-Jun-18	Winter	4.4	7.7	142		100	111	3	58	63	<5	20
Florentine	Downstream	17-Jul-18	Winter	6.7	7.7	211		102	128	2	85	86	<5	10
Florentine	Downstream	30-Jul-18	Winter		7.6	122			82	3	45	51	<5	10
Florentine	Downstream	16-Aug-18	Winter		7.4	80			74	4	26	29	<5	<10
Florentine	Downstream	18-Sep-18	Spring	8		134	12.1	102.2						
Florentine	Pond	8-May-15	Autumn		6.9	79			95	10	22	28	<5	20
Florentine	Pond	7-Jul-15	Winter		7.5	160			110	2	64	71	<5	<10
Florentine	Pond	18-Aug-15	Winter		7.3	107			87	5	36	42	<5	20
Florentine	Pond	16-Dec-15	Summer		7.6	175			128	4	88	79	<5	20
Florentine	Pond	29-Mar-16	Autumn		7.5	304			180	3	143	143	5	40
Florentine	Pond	28-Jul-16	Winter		7.1	113			97	5	32	36	6	10
Florentine	Pond	18-Oct-16	Spring	7.9	7.69	126.2	10.77	95.2	90	7	43	46	8	40
Florentine	Pond	11-Jan-17	Summer	15.3	7.99	343	11.2	97.6	198	2	157	158	<5	<10
Florentine	Pond	27-Apr-17	Autumn	7.4	8.11	359			208	2	161	162	<5	<10
Florentine	Pond	27-Jul-17	Winter	5.2	7.36	100.1			83	3	33	37	<5	20
Florentine	Pond	18-Oct-17	Spring	9.8	7.61	230			148	4	96	103	<5	<50
Florentine	Pond	23-Feb-18	Summer	13.4	4.73	229	11.1	106.3	153	4	97	103	5	20
Florentine	Pond	13-Mar-18	Autumn		7.8	339			200	9	159	166	10	<100
Florentine	Pond	26-Mar-18	Autumn		7.1	194			134	22	58	72	<5	60
Florentine	Pond	11-Apr-18	Autumn		7.4	225			150	5	99	100	<5	30
Florentine	Pond	19-Apr-18	Autumn		7	135			118	8	36	43	9	160
Florentine	Pond	3-May-18	Autumn		7.6	231			148	5	97	105	6	30
Florentine	Pond	16-May-18	Autumn	6.8	7.4	181	12.68	103.9	124	5	71	71	5	20

Florentine	Pond	5-Jun-18	Winter	5	7.5	259			167	15	80	82	11	20
Florentine	Pond	21-Jun-18	Winter	7.4	7.4	143		107	122	6	58	63	<5	40
Florentine	Pond	17-Jul-18	Winter	6.7	7.5	218		106	134	2	89	90	<5	10
Florentine	Pond	30-Jul-18	Winter		7.3	121			86	4	45	51	<5	10
Florentine	Pond	16-Aug-18	Winter		7.2	82			72	4	26	29	<5	10
Florentine	Pond	18-Sep-18	Spring	7.8		137	13.4	112.3						
Wayatinah	Downstream	23-Feb-18	Summer	14.96	4.21	55	10.5	104	49	<2	14	15	<5	<10
Wayatinah	Downstream	13-Mar-18	Autumn		6.9	64			50	3	16	17	<5	30
Wayatinah	Downstream	26-Mar-18	Autumn		6.6	48			50	7	8	11	<5	340
Wayatinah	Downstream	11-Apr-18	Autumn		6.7	68			58	3	13	14	<5	90
Wayatinah	Downstream	19-Apr-18	Autumn		6.5	45			52	3	5	9	<5	90
Wayatinah	Downstream	3-May-18	Autumn		6.7	59			52	2	12	13	<5	150
Wayatinah	Downstream	16-May-18	Autumn	6.7	6.6	56	12.6	103.4	50	<2	8	10	<5	30
Wayatinah	Downstream	5-Jun-18	Winter		6.7	55			45	<2	8	10	<5	20
Wayatinah	Downstream	21-Jun-18	Winter	4.8	6.7	48		98	47	2	7	9	<5	10
Wayatinah	Downstream	17-Jul-18	Winter	5.4	6.8	52		101	37	2	9	11	<5	40
Wayatinah	Downstream	30-Jul-18	Winter		6.5	33			39	2	4	8	<5	<10
Wayatinah	Downstream	16-Aug-18	Winter		6.5	30			30	4	3	7	<5	<10
Wayatinah	Downstream	18-Sep-18	Spring	7.4		23	12.3	102.1						
Wayatinah	Pond	8-May-15	Autumn		6.1	42			61	10	3	10	<5	70
Wayatinah	Pond	7-Jul-15	Winter		6.6	49			45	4	8	10	<5	10
Wayatinah	Pond	18-Aug-15	Winter		6.6	51			46	<2	7	11	<5	<10
Wayatinah	Pond	16-Dec-15	Summer		6.8	58			55	2	15	16	<5	20
Wayatinah	Pond	29-Mar-16	Autumn		6.5	57			54	4	13	16	<5	40
Wayatinah	Pond	28-Jul-16	Winter		6.4	36			48	2	3	7	<5	10
Wayatinah	Pond	18-Oct-16	Spring	8.8	8.3	30.7	11.31	101.5	25	2	4	6	<5	<10
Wayatinah	Pond	11-Jan-17	Summer	15.8	8	60.9	10.9	100	47	4	14	14	<5	50
Wayatinah	Pond	27-Apr-17	Autumn	9.9	8.1	61.9			49	2	16	16	<5	40
Wayatinah	Pond	27-Jul-17	Winter	4.2	8.32	53.7			39	<2	4	7	<5	<10
Wayatinah	Pond	30-Jul-17	Winter		6.4	36			36	3	5	8	<5	20
Wayatinah	Pond	23-Feb-18	Summer	14.9	3.3	57	10.6	105	52	2	15	15	<5	30
Wayatinah	Pond	13-Mar-18	Autumn		6.8	64			47	4	16	17	5	10
Wayatinah	Pond	26-Mar-18	Autumn		6.4	52			49	6	10	11	<5	30
Wayatinah	Pond	11-Apr-18	Autumn		6.5	60			51	5	12	13	<5	80

Wayatinah	Pond	19-Apr-18	Autumn		6.4	47			53	5	5	9	6	160
Wayatinah	Pond	3-May-18	Autumn		6.6	58			52	3	11	13	5	20
Wayatinah	Pond	16-May-18	Autumn	6.8	6.5	60	12.97	106.4	49	<2	8	10	<5	80
Wayatinah	Pond	5-Jun-18	Winter		6.6	58			48	<2	8	10	<5	<10
Wayatinah	Pond	21-Jun-18	Winter	5.1	6.7	57		95	50	<2	8	9	<5	<10
Wayatinah	Pond	17-Jul-18	Winter	5.5	6.6	52		107	40	2	9	10	<5	40
Wayatinah	Pond	16-Aug-18	Winter		6.4	33			30	2	5	6	<5	20
Wayatinah	Pond	18-Sep-18	Spring	7.8		30	13.5	113.1						

Continued: Raw data for downstream and Settlement Pond water samples at the Florentine and Wayatinah Hatcheries

Region	Site	Date	Season	Ammonia	Nitrate	Nitrate_Nitrite	Nitrite	Phosphorus	Total_N	TKN	Total_P	Total_Ca	Total_Mg	Total_Zn
Florentine	Downstream	23-Feb-18	Summer	0.042	0.18	0.19	0.009	0.057	1.4	1.2	0.2	36.9	3.01	6
Florentine	Downstream	13-Mar-18	Autumn	0.72	0.1	0.11	0.011	0.051	1.9	1.8	0.17	60.1	4.67	8
Florentine	Downstream	26-Mar-18	Autumn	0.33	0.93	0.95	0.016	0.092	2.1	1.2	0.28	20.9	2.81	8
Florentine	Downstream	11-Apr-18	Autumn	0.56	0.095	0.1	0.009	0.065	1.2	1.1	0.1	34.8	3.06	4
Florentine	Downstream	19-Apr-18	Autumn	0.18	0.25	0.25	0.009	0.055	1.2	0.9	0.11	14.8	1.67	4
Florentine	Downstream	3-May-18	Autumn	0.26	0.077	0.081	0.004	0.028	0.78	0.7	0.06	37.1	3.25	4
Florentine	Downstream	16-May-18	Autumn	0.14	0.43	0.44	0.009	0.048	1.4	0.98	0.36	26	2.42	11
Florentine	Downstream	5-Jun-18	Winter	0.14	2.5	2.5	0.024	0.17	3.5	1	0.31	28.4	2.66	9
Florentine	Downstream	21-Jun-18	Winter	0.093	0.12	0.12	0.004	0.015	0.59	0.47	0.03	22	1.91	2
Florentine	Downstream	17-Jul-18	Winter	0.16	0.44	0.44	0.003	0.037	0.99	0.55	0.06	30.4	2.54	13
Florentine	Downstream	30-Jul-18	Winter	0.006	0.07	0.074	0.003	0.003	0.49	0.41	0.01	17.5	1.69	5
Florentine	Downstream	16-Aug-18	Winter	0.033	0.044	0.049	0.005	0.005	0.4	0.036	0.02	9.64	1.18	8
Florentine	Downstream	18-Sep-18	Spring											
Florentine	Pond	8-May-15	Autumn	0.25	0.075		0.011	0.048	1.1		0.09	9.04	1.38	5
Florentine	Pond	7-Jul-15	Winter	0.27	0.099		0.005	0.035	0.77		0.05	24.7	2.31	3
Florentine	Pond	18-Aug-15	Winter	0.26	0.045	0.05	0.005	0.041	0.78	0.73	0.06	14.2	1.69	5
Florentine	Pond	16-Dec-15	Summer	0.34	0.079	0.086	0.007	0.047	0.93	0.84	0.11	27.5	2.38	<2
Florentine	Pond	29-Mar-16	Autumn	0.74	0.11	0.11	0.005	0.12	1.5	1.4	0.18	50.5	4.09	5
Florentine	Pond	28-Jul-16	Winter	0.32	0.9	0.91	0.009	0.081	1.8	0.91	0.12	12.4	1.44	7
Florentine	Pond	18-Oct-16	Spring	0.64	0.13	0.14	0.005	0.072	1.2	1.1	0.18	15.9	1.64	9
Florentine	Pond	11-Jan-17	Summer	0.65	0.11	0.12	0.005	0.063	1.4	1.3	0.14	56.5	4.11	5
Florentine	Pond	27-Apr-17	Autumn	0.5	0.99	1	0.018	0.09	2	1	0.15	57.6	4.46	4
Florentine	Pond	27-Jul-17	Winter	0.32	0.038	0.045	0.007	0.036	0.88	0.84	0.06	13	1.51	4
Florentine	Pond	18-Oct-17	Spring	0.23	0.26	0.26	0.006	0.042	0.91	0.65	0.11	36.6	2.75	5
Florentine	Pond	23-Feb-18	Summer	0.47	0.19	0.2	0.008	0.064	1.6	1.4	0.16	36.2	2.96	8
Florentine	Pond	13-Mar-18	Autumn	0.78	0.11	0.12	0.011	0.058	2	1.9	0.17	58.9	4.58	8
Florentine	Pond	26-Mar-18	Autumn	0.67	2.5	2.5	0.035	0.21	5	2.5	0.83	22.5	3.78	3
Florentine	Pond	11-Apr-18	Autumn	0.76	0.088	0.096	0.008	0.076	1.6	1.5	0.16	35	3.1	5
Florentine	Pond	19-Apr-18	Autumn	0.6	1.5	1.6	0.022	0.24	3.5	2	0.44	15	1.94	9
Florentine	Pond	3-May-18	Autumn	0.34	0.09	0.1	0.012	0.048	1.1	0.98	0.11	36.7	3.22	5
Florentine	Pond	16-May-18	Autumn	0.2	0.67	0.68	0.014	0.094	1.6	0.94	0.21	24.6	2.37	5

Florentine	Pond	5-Jun-18	Winter	0.21	4.9	4.9	0.052	0.33	6.6	1.7	0.85	28.4	2.77	18
Florentine	Pond	21-Jun-18	Winter	0.36	0.11	0.12	0.005	0.053	1.1	0.98	0.09	22	1.9	3
Florentine	Pond	17-Jul-18	Winter	0.36	1.1	1.1	0.003	0.11	2.1	0.97	0.17	31.5	2.64	9
Florentine	Pond	30-Jul-18	Winter	0.26	0.088	0.092	0.004	0.045	0.88	0.79	0.08	17.6	1.73	9
Florentine	Pond	16-Aug-18	Winter	0.31	0.056	0.061	0.006	0.054	0.93	0.87	0.09	9.75	1.21	4
Florentine	Pond	18-Sep-18	Spring											
Wayatinah	Downstream	23-Feb-18	Summer	0.32	0.14	0.16	0.012	0.07	1.1	0.91	0.17	3.12	1.73	3
Wayatinah	Downstream	13-Mar-18	Autumn	0.55	0.11	0.12	0.006	0.076	1.2	1.1	0.16	3.6	1.97	9
Wayatinah	Downstream	26-Mar-18	Autumn	0.26	0.07	0.076	0.006	0.063	0.93	0.86	0.11	2.12	1.34	6
Wayatinah	Downstream	11-Apr-18	Autumn	0.55	0.47	0.51	0.04	0.15	1.9	1.4	0.31	2.85	1.6	13
Wayatinah	Downstream	19-Apr-18	Autumn	0.3	0.049	0.052	0.003	0.1	0.92	0.87	0.18	1.81	1.18	4
Wayatinah	Downstream	3-May-18	Autumn	0.34	0.18	0.18	0.004	0.09	1	0.85	0.14	2.66	1.59	6
Wayatinah	Downstream	16-May-18	Autumn	0.23	0.08	0.084	0.004	0.053	0.67	0.59	0.19	1.86	1.22	<2
Wayatinah	Downstream	5-Jun-18	Winter	0.17	0.11	0.11	0.003	0.061	0.88	0.76	0.1	2.06	1.26	9
Wayatinah	Downstream	21-Jun-18	Winter	0.13	0.19	0.2	0.004	0.051	0.65	0.45	0.08	1.92	1.12	6
Wayatinah	Downstream	17-Jul-18	Winter	0.14	0.26	0.26	<0.002	0.053	0.88	0.62	0.09	2.22	1.38	25
Wayatinah	Downstream	30-Jul-18	Winter	0.054	0.044	0.049	0.004	0.012	0.37	0.32	0.03	1.43	0.96	3
Wayatinah	Downstream	16-Aug-18	Winter	0.026	0.027	0.029	0.002	0.008	0.24	0.21	0.01	1.55	0.73	18
Wayatinah	Downstream	18-Sep-18	Spring											
Wayatinah	Pond	8-May-15	Autumn	0.16	0.11		0.008	0.05	0.92		0.1	2.1	1.07	6
Wayatinah	Pond	7-Jul-15	Winter	0.25	0.09		0.005	0.065	0.76		0.1	2.01	1.3	3
Wayatinah	Pond	18-Aug-15	Winter	0.13	0.29	0.3	0.005	0.063	0.83	0.53	0.08	2.45	1.22	4
Wayatinah	Pond	16-Dec-15	Summer	0.34	0.21	0.22	0.008	0.065	0.97	0.76	0.1	3.44	1.69	<2
Wayatinah	Pond	29-Mar-16	Autumn	0.57	0.26	0.27	0.012	0.091	1.7	1.4	0.17	3.6	1.63	8
Wayatinah	Pond	28-Jul-16	Winter	0.14	0.07	0.074	0.004	<0.003	0.37	0.3	<0.01	1.2	0.88	8
Wayatinah	Pond	18-Oct-16	Spring	0.22	0.08	0.082	0.002	0.057	0.58	0.5	0.07	1.32	0.74	4
Wayatinah	Pond	11-Jan-17	Summer	0.37	0.12	0.12	0.003	0.073	1.3	1.2	0.14	2.99	1.67	12
Wayatinah	Pond	27-Apr-17	Autumn	0.57	0.13	0.14	0.009	0.12	1.5	1.4	0.2	3.33	1.81	4
Wayatinah	Pond	27-Jul-17	Winter	0.13	0.69	0.073	0.005	0.017	0.5	0.42	0.03	1.37	0.92	3
Wayatinah	Pond	30-Jul-17	Winter	0.2	0.076	0.081	0.004	0.045	0.75	0.67	0.08	1.56	0.98	9
Wayatinah	Pond	23-Feb-18	Summer	0.4	0.21	0.22	0.018	0.084	1.6	1.4	0.17	3.15	1.72	19
Wayatinah	Pond	13-Mar-18	Autumn	0.57	0.11	0.12	0.005	0.071	1.5	1.4	0.016	3.58	1.97	18
Wayatinah	Pond	26-Mar-18	Autumn	0.44	0.11	0.12	0.006	0.089	1.4	1.2	0.17	2.38	1.34	11
Wayatinah	Pond	11-Apr-18	Autumn	0.56	0.2	0.22	0.016	0.11	1.8	1.5	0.24	2.75	1.55	14

