

pH Data: 2012-2017

Date	Max. pH at Rereg. Dam	Tributary Flow-Weighted pH ¹	Difference (Max. pH at Rereg. Dam-Tributary pH)	pH Criterion	Blend 17 (% SWW Bottom Withdrawal)	Actual % SWW Bottom Withdrawal	Evaluation
25-Jun-12	8.5	8.2	0.28	6.5-8.5	0	20	pH criterion met
26-Jun-12	8.5	8.2	0.31	6.5-8.5	0	20	pH criterion met
27-Jun-12	8.7	8.3	0.31	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
28-Jun-12	8.8	8.3	0.46	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
29-Jun-12	8.8	8.3	0.45	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
30-Jun-12	8.8	8.3	0.46	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
1-Jul-12	8.5	8.3	0.19	6.5-8.5	15	20	pH criterion met
2-Jul-12	8.6	8.3	0.27	6.5-8.5	15	20	Adaptive mgmt., increased bottom withdrawal
3-Jul-12	8.8	8.3	0.44	6.5-8.5	15	20	Adaptive mgmt., increased bottom withdrawal
4-Jul-12	8.8	8.3	0.46	6.5-8.5	15	20	Adaptive mgmt., increased bottom withdrawal
5-Jul-12	8.8	8.3	0.48	6.5-8.5	15	20	Adaptive mgmt., increased bottom withdrawal
6-Jul-12	8.5	8.3	0.23	6.5-8.5	15	20	pH criterion met
7-Jul-12	8.7	8.3	0.34	6.5-8.5	15	20	Adaptive mgmt., increased bottom withdrawal
8-Jul-12	8.8	8.3	0.49	6.5-8.5	15	20	Adaptive mgmt., increased bottom withdrawal
9-Jul-12	8.8	8.3	0.48	6.5-8.5	15	20	Adaptive mgmt., increased bottom withdrawal
10-Jul-12	8.5	8.3	0.23	6.5-8.5	15	20	pH criterion met
11-Jul-12	8.7	8.2	0.47	6.5-8.5	15	20	Adaptive mgmt., increased bottom withdrawal
12-Jul-12	8.8	8.2	0.62	6.5-8.5	15	20	Adaptive mgmt., increased bottom withdrawal
13-Jul-12	8.8	8.2	0.61	6.5-8.5	15	20	Adaptive mgmt., increased bottom withdrawal
14-Jul-12	8.8	8.2	0.59	6.5-8.5	15	20	Adaptive mgmt., increased bottom withdrawal
15-Jul-12	8.8	8.2	0.62	6.5-8.5	15	20	Adaptive mgmt., increased bottom withdrawal
16-Jul-12	8.8	8.2	0.61	6.5-8.5	15	20	Adaptive mgmt., increased bottom withdrawal
17-Jul-12	8.6	8.1	0.43	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
18-Jul-12	8.6	8.1	0.47	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
19-Jul-12	8.7	8.1	0.6	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
20-Jul-12	8.8	8.1	0.67	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
21-Jul-12	8.8	8.1	0.66	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
22-Jul-12	8.8	8.1	0.67	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
23-Jul-12	8.8	8.1	0.66	6.5-8.5	15	35	Adaptive mgmt., increased bottom withdrawal
24-Jul-12	8.5	8.1	0.4	6.5-8.5	15	35	pH criterion met
25-Jul-12	8.6	8.1	0.5	6.5-8.5	15	35	Adaptive mgmt., increased bottom withdrawal
26-Jul-12	8.8	8.3	0.48	6.5-8.5	15	35	Adaptive mgmt., increased bottom withdrawal
27-Jul-12	8.8	8.3	0.49	6.5-8.5	15	35	Adaptive mgmt., increased bottom withdrawal
28-Jul-12	8.5	8.3	0.23	6.5-8.5	15	35	pH criterion met
29-Jul-12	8.5	8.3	0.23	6.5-8.5	15	35	pH criterion met
30-Jul-12	8.6	8.3	0.24	6.5-8.5	15	35	Adaptive mgmt., increased bottom withdrawal
31-Jul-12	8.5	8.3	0.23	6.5-8.5	15	35	pH criterion met
21-Aug-12	8.5	8.0	0.55	6.5-8.5	30	45	pH criterion met
22-Aug-12	8.5	8.0	0.55	6.5-8.5	30	45	pH criterion met
24-Aug-12	8.5	8.4	0.11	6.5-8.5	30	45	pH criterion met

pH Data: 2012-2017

Date	Max. pH at Rereg. Dam	Tributary Flow-Weighted pH ¹	Difference (Max. pH at Rereg. Dam-Tributary pH)	pH Criterion	Blend 17 (% SWW Bottom Withdrawal)	Actual % SWW Bottom Withdrawal	Evaluation
9-Oct-12	8.6	8.2	0.34	6.5-8.5	50	50	Adaptive mgmt.
16-Oct-12	8.5	8.4	0.19	6.5-8.5	50	65	pH criterion met
18-Oct-12	8.5	8.4	0.16	6.5-8.5	50	65	pH criterion met
20-Oct-12	8.5	8.4	0.18	6.5-8.5	50	65	pH criterion met
22-Oct-12	8.5	8.4	0.16	6.5-8.5	50	65	pH criterion met
26-Oct-12	8.5	8.3	0.28	6.5-8.5	50	65	pH criterion met
29-Oct-12	8.5	8.3	0.18	6.5-8.5	50	65	pH criterion met
30-Oct-12	8.6	8.3	0.21	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
31-Oct-12	8.5	8.3	0.19	6.5-8.5	50	65	pH criterion met
6-Nov-12	8.5	8.3	0.2	6.5-8.5	0	0	pH criterion met
8-Nov-12	8.5	8.3	0.17	6.5-8.5	0	0	pH criterion met
17-Nov-12	8.5	8.3	0.2	6.5-8.5	0	0	pH criterion met
22-Nov-12	8.5	8.3	0.17	6.5-8.5	0	0	pH criterion met
29-Nov-12	8.5	8.3	0.17	6.5-8.5	0	0	pH criterion met
Average	8.6	8.3	0.38				

¹The tributary flow-weighted pH is based on weekly pH measurements. The value stated is the calculated tributary flow-weighted pH for that day or the most recently calculated value prior to that day.

pH Data: 2012-2017

Date	Max. pH at Rereg. Dam	Tributary Flow-Weighted pH ¹	Difference (Max. pH at Rereg. Dam-Tributary pH)	pH Criterion	Blend 17 (% SWW Bottom Withdrawal)	Actual % SWW Bottom Withdrawal	Evaluation
2-Aug-13	8.5	8.2	0.28	6.5-8.5	30	35	pH criterion met
3-Aug-13	8.5	8.2	0.30	6.5-8.5	30	35	pH criterion met
4-Aug-13	8.5	8.2	0.30	6.5-8.5	30	35	pH criterion met
5-Aug-13	8.6	8.2	0.37	6.5-8.5	30	35	Adaptive mgmt., increased bottom withdrawal
6-Aug-13	8.5	8.2	0.36	6.5-8.5	30	35	pH criterion met
8-Aug-13	8.5	8.2	0.36	6.5-8.5	30	35	pH criterion met
9-Aug-13	8.7	8.2	0.47	6.5-8.5	30	45	Adaptive mgmt., increased bottom withdrawal
10-Aug-13	8.8	8.2	0.62	6.5-8.5	30	45	Adaptive mgmt., increased bottom withdrawal
11-Aug-13	8.5	8.2	0.36	6.5-8.5	30	45	pH criterion met
12-Aug-13	8.5	8.2	0.30	6.5-8.5	30	45	pH criterion met
13-Aug-13	8.5	8.2	0.33	6.5-8.5	30	45	pH criterion met
14-Aug-13	8.5	8.2	0.33	6.5-8.5	30	45	pH criterion met
15-Aug-13	8.6	8.2	0.34	6.5-8.5	30	45	Adaptive mgmt., increased bottom withdrawal
16-Aug-13	8.5	8.2	0.33	6.5-8.5	30	45	pH criterion met
18-Aug-13	8.5	8.2	0.33	6.5-8.5	30	40	pH criterion met
19-Aug-13	8.7	8.0	0.68	6.5-8.5	30	40	Adaptive mgmt., increased bottom withdrawal
20-Aug-13	8.8	8.0	0.83	6.5-8.5	30	40	Adaptive mgmt., increased bottom withdrawal
21-Aug-13	8.6	8.0	0.66	6.5-8.5	30	40	Adaptive mgmt., increased bottom withdrawal
22-Aug-13	8.5	8.0	0.57	6.5-8.5	30	40	pH criterion met
25-Aug-13	8.5	8.0	0.57	6.5-8.5	30	40	pH criterion met
26-Aug-13	8.5	7.9	0.63	6.5-8.5	30	45	pH criterion met
27-Aug-13	8.6	7.9	0.65	6.5-8.5	30	45	Adaptive mgmt., increased bottom withdrawal
28-Aug-13	8.5	7.9	0.64	6.5-8.5	30	45	pH criterion met
30-Aug-13	8.5	7.9	0.64	6.5-8.5	30	45	pH criterion met
31-Aug-13	8.5	7.9	0.64	6.5-8.5	30	45	pH criterion met
Average	8.6	8.1	0.48				

¹The tributary flow-weighted pH is based on weekly pH measurements. The value stated is the calculated tributary flow-weighted pH for that day or the most recently calculated value prior to that day.

pH Data: 2012-2017

Date	Max. pH at Rereg. Dam	Tributary Flow-Weighted pH ¹	Difference (Max. pH at Rereg. Dam-Tributary pH)	pH Criterion	Blend 17 (% SWW Bottom Withdrawal)	Actual % SWW Bottom Withdrawal	Evaluation
4-May-14	8.6	8.5	0.09	6.5-8.5	0	0	Adaptive mgmt.
5-May-14	8.6	8.5	0.13	6.5-8.5	0	10	Adaptive mgmt., increased bottom withdrawal
6-May-14	8.5	8.5	0.06	6.5-8.5	0	10	pH criterion met
7-May-14	8.6	8.5	0.09	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
26-May-14	8.6	8.3	0.26	6.5-8.5	0	30	Adaptive mgmt., increased bottom withdrawal
2-Aug-14	8.5	8.3	0.29	6.5-8.5	30	50	pH criterion met
3-Aug-14	8.5	8.3	0.28	6.5-8.5	30	50	pH criterion met
4-Aug-14	8.6	8.2	0.36	6.5-8.5	30	50	Adaptive mgmt., increased bottom withdrawal
5-Aug-14	8.5	8.2	0.35	6.5-8.5	30	50	pH criterion met
7-Aug-14	8.5	8.2	0.34	6.5-8.5	30	50	pH criterion met
8-Aug-14	8.6	8.2	0.44	6.5-8.5	30	50	Adaptive mgmt., increased bottom withdrawal
9-Aug-14	8.8	8.2	0.59	6.5-8.5	30	50	Adaptive mgmt., increased bottom withdrawal
10-Aug-14	8.8	8.2	0.61	6.5-8.5	30	50	Adaptive mgmt., increased bottom withdrawal
11-Aug-14	8.5	8.3	0.26	6.5-8.5	30	50	pH criterion met
12-Aug-14	8.5	8.3	0.26	6.5-8.5	30	50	pH criterion met
13-Aug-14	8.5	8.3	0.23	6.5-8.5	30	50	pH criterion met
14-Aug-14	8.6	8.3	0.27	6.5-8.5	30	50	Adaptive mgmt., increased bottom withdrawal
15-Aug-14	8.5	8.3	0.24	6.5-8.5	30	50	pH criterion met
16-Aug-14	8.6	8.3	0.33	6.5-8.5	30	55	Adaptive mgmt., increased bottom withdrawal
17-Aug-14	8.6	8.3	0.34	6.5-8.5	30	55	Adaptive mgmt., increased bottom withdrawal
18-Aug-14	8.5	8.3	0.24	6.5-8.5	30	55	pH criterion met
25-Aug-14	9.0	8.4	0.58	6.5-8.5	30	55	Adaptive mgmt., increased bottom withdrawal
26-Aug-14	8.7	8.4	0.29	6.5-8.5	30	55	Adaptive mgmt., increased bottom withdrawal
8-Sep-14	8.5	8.5	0	6.5-8.5	40	65	pH criterion met
9-Sep-14	8.7	8.5	0.16	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
10-Sep-14	8.6	8.5	0.1	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
11-Sep-14	8.6	8.5	0.09	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
12-Sep-14	8.7	8.5	0.22	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal

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13-Sep-14	8.5	8.5	0.05	6.5-8.5	40	65	pH criterion met
14-Sep-14	8.5	8.5	0.03	6.5-8.5	40	65	pH criterion met
15-Sep-14	8.7	8.5	0.16	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
16-Sep-14	8.8	8.5	0.34	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
17-Sep-14	8.9	8.5	0.39	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
18-Sep-14	9.0	8.4	0.59	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
19-Sep-14	8.9	8.4	0.51	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
20-Sep-14	8.9	8.4	0.53	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
21-Sep-14	8.9	8.4	0.55	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
22-Sep-14	8.9	8.4	0.48	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
23-Sep-14	8.8	8.4	0.45	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
24-Sep-14	9.0	8.4	0.61	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
25-Sep-14	8.9	8.4	0.53	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
26-Sep-14	8.9	8.1	0.76	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
27-Sep-14	9.0	8.1	0.86	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
28-Sep-14	8.9	8.1	0.78	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
29-Sep-14	8.9	8.3	0.6	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
30-Sep-14	8.9	8.3	0.62	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
1-Oct-14	8.8	8.3	0.45	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
2-Oct-14	8.8	8.3	0.5	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
3-Oct-14	8.7	8.3	0.36	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
4-Oct-14	8.7	8.3	0.36	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
5-Oct-14	8.7	8.3	0.36	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
6-Oct-14	8.7	8.3	0.35	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
7-Oct-14	8.7	8.3	0.41	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
8-Oct-14	8.7	8.7	0.08	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
9-Oct-14	8.7	8.7	0.07	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
10-Oct-14	8.7	8.7	0.09	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal

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Date	Max. pH at Rereg. Dam	Tributary Flow-Weighted pH ¹	Difference (Max. pH at Rereg. Dam-Tributary pH)	pH Criterion	Blend 17 (% SWW Bottom Withdrawal)	Actual % SWW Bottom Withdrawal	Evaluation
11-Oct-14	8.7	8.7	0	6.5-8.5	50	65	Project did not contribute to pH criterion exceedance
12-Oct-14	8.7	8.7	0.07	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
13-Oct-14	8.8	8.7	0.16	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
14-Oct-14	8.8	8.7	0.12	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
15-Oct-14	8.7	8.7	0.06	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
Average	8.7	8.4	0.32				

¹The tributary flow-weighted pH is based on weekly pH measurements. The value stated is the calculated tributary flow-weighted pH for that day or the most recently calculated value prior to that day.

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Date	Max. pH at Rereg. Dam	Tributary Flow-Weighted pH ¹	Difference (Max. pH at Rereg. Dam-Tributary pH)	pH Criterion	Blend 17 (% SWW Bottom Withdrawal)	Actual % SWW Bottom Withdrawal	Evaluation
28-Jun-15	8.5	7.9	0.7	6.5-8.5	0	25	pH criterion met
29-Jun-15	8.6	7.9	0.7	6.5-8.5	0	25	Adaptive mgmt., increased bottom withdrawal
30-Jun-15	8.6	7.9	0.8	6.5-8.5	0	25	Adaptive mgmt., increased bottom withdrawal
1-Jul-15	8.7	7.9	0.8	6.5-8.5	15	25	Adaptive mgmt., increased bottom withdrawal
2-Jul-15	8.7	8.3	0.3	6.5-8.5	15	25	Adaptive mgmt., increased bottom withdrawal
3-Jul-15	8.7	8.3	0.4	6.5-8.5	15	25	Adaptive mgmt., increased bottom withdrawal
4-Jul-15	8.7	8.3	0.4	6.5-8.5	15	25	Adaptive mgmt., increased bottom withdrawal
5-Jul-15	8.6	8.3	0.3	6.5-8.5	15	25	Adaptive mgmt., increased bottom withdrawal
6-Jul-15	8.7	8.3	0.3	6.5-8.5	15	25	Adaptive mgmt., increased bottom withdrawal
7-Jul-15	8.7	8.4	0.3	6.5-8.5	15	35	Adaptive mgmt., increased bottom withdrawal
8-Jul-15	8.7	8.4	0.3	6.5-8.5	15	35	Adaptive mgmt., increased bottom withdrawal
9-Jul-15	8.6	8.4	0.2	6.5-8.5	15	50	Adaptive mgmt., increased bottom withdrawal
10-Jul-15	8.6	8.4	0.1	6.5-8.5	15	50	Adaptive mgmt., increased bottom withdrawal
11-Jul-15	8.6	8.4	0.2	6.5-8.5	15	50	Adaptive mgmt., increased bottom withdrawal
12-Jul-15	8.5	8.4	0.1	6.5-8.5	15	50	pH criterion met
13-Jul-15	8.6	8.4	0.1	6.5-8.5	15	60	Adaptive mgmt., increased bottom withdrawal
14-Jul-15	8.6	8.4	0.1	6.5-8.5	15	60	Adaptive mgmt., increased bottom withdrawal
15-Jul-15	8.6	8.4	0.1	6.5-8.5	15	60	Adaptive mgmt., increased bottom withdrawal
16-Jul-15	8.5	8.4	0.1	6.5-8.5	15	60	pH criterion met
4-Aug-15	8.6	8.1	0.5	6.5-8.5	30	50	Adaptive mgmt., increased bottom withdrawal
8-Aug-15	8.6	8.2	0.4	6.5-8.5	30	50	Adaptive mgmt., increased bottom withdrawal
12-Aug-15	8.6	8.3	0.2	6.5-8.5	30	50	Adaptive mgmt., increased bottom withdrawal
16-Aug-15	8.6	8.3	0.3	6.5-8.5	30	50	Adaptive mgmt., increased bottom withdrawal
17-Aug-15	8.6	8.3	0.3	6.5-8.5	30	50	Adaptive mgmt., increased bottom withdrawal
18-Aug-15	8.6	8.3	0.3	6.5-8.5	30	50	Adaptive mgmt., increased bottom withdrawal
19-Aug-15	8.6	8.3	0.3	6.5-8.5	30	50	Adaptive mgmt., increased bottom withdrawal
20-Aug-15	8.6	8.4	0.2	6.5-8.5	30	50	Adaptive mgmt., increased bottom withdrawal
21-Aug-15	8.6	8.4	0.2	6.5-8.5	30	50	Adaptive mgmt., increased bottom withdrawal
22-Aug-15	8.6	8.4	0.2	6.5-8.5	30	50	Adaptive mgmt., increased bottom withdrawal
23-Aug-15	8.6	8.4	0.2	6.5-8.5	30	60	Adaptive mgmt., increased bottom withdrawal
27-Aug-15	8.8	8.2	0.6	6.5-8.5	30	60	Adaptive mgmt., increased bottom withdrawal
1-Sep-15	8.6	8.2	0.4	6.5-8.5	40	60	Adaptive mgmt., increased bottom withdrawal
2-Sep-15	8.6	8.2	0.4	6.5-8.5	40	60	Adaptive mgmt., increased bottom withdrawal
3-Sep-15	8.6	8.4	0.2	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
4-Sep-15	8.5	8.4	0.1	6.5-8.5	40	65	pH criterion met
5-Sep-15	8.6	8.4	0.2	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
6-Sep-15	8.6	8.4	0.2	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
7-Sep-15	8.7	8.4	0.3	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal

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8-Sep-15	8.7	8.4	0.3	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
9-Sep-15	8.7	8.9	-0.1	6.5-8.5	40	65	Project did not contribute to pH criterion exceedance
10-Sep-15	8.9	8.9	0.0	6.5-8.5	40	65	Project did not contribute to pH criterion exceedance
11-Sep-15	9.1	8.9	0.2	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
12-Sep-15	9.1	8.9	0.2	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
13-Sep-15	9.0	8.9	0.1	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
14-Sep-15	9.1	8.4	0.7	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
15-Sep-15	9.1	8.4	0.7	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
16-Sep-15	9.1	8.4	0.6	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
17-Sep-15	9.0	8.4	0.6	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
18-Sep-15	8.9	8.4	0.4	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
19-Sep-15	8.9	8.4	0.5	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
20-Sep-15	9.1	8.4	0.6	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
21-Sep-15	9.0	8.4	0.6	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
22-Sep-15	9.0	8.4	0.6	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
23-Sep-15	9.0	8.1	0.9	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
24-Sep-15	9.0	8.1	0.9	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
25-Sep-15	9.1	8.1	1.0	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
26-Sep-15	9.1	8.1	1.0	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
27-Sep-15	9.2	8.1	1.1	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
28-Sep-15	9.1	7.8	1.3	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
29-Sep-15	9.1	7.8	1.3	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
30-Sep-15	9.2	7.8	1.4	6.5-8.5	40	65	Adaptive mgmt., max SWW bottom withdrawal
1-Oct-15	8.5	7.8	0.7	6.5-8.5	50	65	pH criterion met
3-Oct-15	8.6	7.8	0.8	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
4-Oct-15	8.7	7.8	0.9	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
5-Oct-15	8.7	7.8	0.9	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
6-Oct-15	8.6	7.8	0.8	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
7-Oct-15	8.5	7.8	0.7	6.5-8.5	50	65	pH criterion met
8-Oct-15	8.7	8.3	0.4	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
9-Oct-15	8.7	8.3	0.4	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
10-Oct-15	8.7	8.3	0.4	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
11-Oct-15	8.8	8.3	0.5	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
12-Oct-15	8.7	8.3	0.5	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
13-Oct-15	8.6	8.3	0.4	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
14-Oct-15	8.6	8.3	0.3	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
15-Oct-15	8.7	8.3	0.4	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
16-Oct-15	8.6	8.3	0.4	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal

pH Data: 2012-2017

Date	Max. pH at Rereg. Dam	Tributary Flow-Weighted pH ¹	Difference (Max. pH at Rereg. Dam-Tributary pH)	pH Criterion	Blend 17 (% SWW Bottom Withdrawal)	Actual % SWW Bottom Withdrawal	Evaluation
17-Oct-15	8.5	8.3	0.3	6.5-8.5	50	65	pH criterion met
18-Oct-15	8.6	8.3	0.3	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
19-Oct-15	8.6	8.3	0.3	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
20-Oct-15	8.6	8.3	0.4	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
21-Oct-15	8.6	8.3	0.3	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
22-Oct-15	8.6	8.3	0.3	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
23-Oct-15	8.6	8.3	0.3	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
24-Oct-15	8.6	8.3	0.4	6.5-8.5	50	65	Adaptive mgmt., max SWW bottom withdrawal
25-Oct-15	8.5	8.3	0.3	6.5-8.5	50	65	pH criterion met
3-Nov-15	8.6	8.2	0.4	6.5-8.5	0	0	Adaptive mgmt.
4-Nov-15	8.6	8.2	0.4	6.5-8.5	0	0	Adaptive mgmt.
5-Nov-15	8.5	8.2	0.3	6.5-8.5	0	0	pH criterion met
6-Nov-15	8.6	8.2	0.4	6.5-8.5	0	0	Adaptive mgmt.
7-Nov-15	8.6	8.2	0.4	6.5-8.5	0	0	Adaptive mgmt.
8-Nov-15	8.6	8.2	0.4	6.5-8.5	0	0	Adaptive mgmt.
9-Nov-15	8.6	8.2	0.4	6.5-8.5	0	0	Adaptive mgmt.
10-Nov-15	8.6	8.2	0.4	6.5-8.5	0	0	Adaptive mgmt.
11-Nov-15	8.6	8.2	0.4	6.5-8.5	0	0	Adaptive mgmt.
12-Nov-15	8.7	8.2	0.4	6.5-8.5	0	0	Adaptive mgmt.
13-Nov-15	8.6	8.2	0.4	6.5-8.5	0	0	Adaptive mgmt.
14-Nov-15	8.7	8.2	0.4	6.5-8.5	0	0	Adaptive mgmt.
15-Nov-15	8.5	8.2	0.3	6.5-8.5	0	0	pH criterion met
Average	8.7	8.3	0.4				

¹The tributary flow-weighted pH is based on weekly pH measurements. The value stated is the calculated tributary flow-weighted pH for that day or the most recently calculated value prior to that day.

pH Data: 2012-2017

Date	Max. pH at Rereg. Dam	Tributary Flow-Weighted pH ¹	Difference (Max. pH at Rereg. Dam-Tributary pH)	pH Criterion	Blend 17 (% SWW Bottom Withdrawal)	Actual % SWW Bottom Withdrawal	Evaluation
2-Apr-16	8.5	8.3	0.28	6.5-8.5	0	0	pH criterion met
3-Apr-16	8.7	8.3	0.42	6.5-8.5	0	0	Adaptive mgmt.
4-Apr-16	8.7	8.4	0.34	6.5-8.5	0	0	Adaptive mgmt.
5-Apr-16	8.7	8.4	0.32	6.5-8.5	0	0	Adaptive mgmt.
6-Apr-16	8.7	8.4	0.33	6.5-8.5	0	0	Adaptive mgmt.
7-Apr-16	8.7	8.4	0.34	6.5-8.5	0	0	Adaptive mgmt.
8-Apr-16	8.7	8.4	0.28	6.5-8.5	0	0	Adaptive mgmt.
9-Apr-16	8.7	8.4	0.36	6.5-8.5	0	0	Adaptive mgmt.
10-Apr-16	8.7	8.4	0.27	6.5-8.5	0	0	Adaptive mgmt.
11-Apr-16	8.5	8.3	0.17	6.5-8.5	0	0	pH criterion met
12-Apr-16	8.6	8.3	0.22	6.5-8.5	0	0	Adaptive mgmt.
13-Apr-16	8.6	8.3	0.22	6.5-8.5	0	0	Adaptive mgmt.
15-Apr-16	8.6	8.3	0.3	6.5-8.5	0	0	Adaptive mgmt.
16-Apr-16	8.6	8.3	0.27	6.5-8.5	0	0	Adaptive mgmt.
17-Apr-16	8.5	8.3	0.18	6.5-8.5	0	0	pH criterion met
18-Apr-16	8.5	8.4	0.16	6.5-8.5	0	0	pH criterion met
19-Apr-16	8.6	8.4	0.19	6.5-8.5	0	0	Adaptive mgmt.
20-Apr-16	8.6	8.4	0.25	6.5-8.5	0	0	Adaptive mgmt.
21-Apr-16	8.7	8.4	0.36	6.5-8.5	0	0	Adaptive mgmt.
22-Apr-16	8.7	8.4	0.35	6.5-8.5	0	0	Adaptive mgmt.
23-Apr-16	8.7	8.4	0.35	6.5-8.5	0	0	Adaptive mgmt.
24-Apr-16	8.6	8.4	0.21	6.5-8.5	0	0	Adaptive mgmt.
25-Apr-16	8.6	8.4	0.22	6.5-8.5	0	0	Adaptive mgmt.
26-Apr-16	8.6	8.4	0.24	6.5-8.5	0	0	Adaptive mgmt.
27-Apr-16	8.6	8.3	0.29	6.5-8.5	0	0	Adaptive mgmt.
28-Apr-16	8.6	8.3	0.24	6.5-8.5	0	0	Adaptive mgmt.
30-Apr-16	8.6	8.3	0.32	6.5-8.5	0	0	Adaptive mgmt.
1-May-16	8.7	8.3	0.39	6.5-8.5	0	0	Adaptive mgmt.
2-May-16	8.6	8.3	0.29	6.5-8.5	0	0	Adaptive mgmt.

pH Data: 2012-2017

Date	Max. pH at Rereg. Dam	Tributary Flow-Weighted pH ¹	Difference (Max. pH at Rereg. Dam-Tributary pH)	pH Criterion	Blend 17 (% SWW Bottom Withdrawal)	Actual % SWW Bottom Withdrawal	Evaluation
3-May-16	8.5	7.8	0.69	6.5-8.5	0	0	pH criterion met
4-May-16	8.5	7.8	0.69	6.5-8.5	0	0	pH criterion met
5-May-16	8.6	7.8	0.81	6.5-8.5	0	0	Adaptive mgmt.
6-May-16	8.7	7.8	0.83	6.5-8.5	0	0	Adaptive mgmt.
7-May-16	8.7	7.8	0.89	6.5-8.5	0	0	Adaptive mgmt.
8-May-16	8.7	7.8	0.87	6.5-8.5	0	0	Adaptive mgmt.
9-May-16	8.6	8.0	0.67	6.5-8.5	0	0	Adaptive mgmt.
10-May-16	8.7	8.0	0.72	6.5-8.5	0	0	Adaptive mgmt.
11-May-16	8.8	8.0	0.8	6.5-8.5	0	0	Adaptive mgmt.
12-May-16	8.8	8.0	0.85	6.5-8.5	0	0	Adaptive mgmt.
13-May-16	8.8	8.0	0.84	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
14-May-16	8.8	8.0	0.83	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
15-May-16	8.7	8.0	0.71	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
16-May-16	8.8	8.3	0.5	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
17-May-16	8.8	8.3	0.45	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
18-May-16	8.8	8.3	0.52	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
19-May-16	8.8	8.3	0.52	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
20-May-16	8.8	8.3	0.51	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
21-May-16	8.7	8.3	0.34	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
22-May-16	8.8	8.3	0.51	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
23-May-16	8.8	8.3	0.51	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
24-May-16	8.8	7.8	0.99	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
25-May-16	8.8	7.8	0.99	6.5-8.5	0	25	Adaptive mgmt., increased bottom withdrawal
26-May-16	8.8	7.8	0.98	6.5-8.5	0	25	Adaptive mgmt., increased bottom withdrawal
27-May-16	8.8	7.8	0.97	6.5-8.5	0	25	Adaptive mgmt., increased bottom withdrawal
28-May-16	8.8	7.8	1	6.5-8.5	0	25	Adaptive mgmt., increased bottom withdrawal
29-May-16	8.8	7.8	1	6.5-8.5	0	25	Adaptive mgmt., increased bottom withdrawal
30-May-16	8.8	7.8	0.98	6.5-8.5	0	25	Adaptive mgmt., increased bottom withdrawal
31-May-16	8.7	7.8	0.89	6.5-8.5	0	25	Adaptive mgmt., increased bottom withdrawal

pH Data: 2012-2017

Date	Max. pH at Rereg. Dam	Tributary Flow-Weighted pH ¹	Difference (Max. pH at Rereg. Dam-Tributary pH)	pH Criterion	Blend 17 (% SWW Bottom Withdrawal)	Actual % SWW Bottom Withdrawal	Evaluation
1-Jun-16	8.6	7.8	0.81	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
2-Jun-16	8.5	8.2	0.35	6.5-8.5	0	20	pH criterion met
3-Jun-16	8.7	8.2	0.5	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
4-Jun-16	8.7	8.2	0.49	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
5-Jun-16	8.7	8.2	0.46	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
6-Jun-16	8.6	8.2	0.43	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
7-Jun-16	8.7	7.2	1.42	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
8-Jun-16	8.7	7.2	1.47	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
9-Jun-16	8.8	7.2	1.53	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
10-Jun-16	8.8	7.2	1.58	6.5-8.5	0	25	Adaptive mgmt., increased bottom withdrawal
11-Jun-16	8.8	7.2	1.54	6.5-8.5	0	25	Adaptive mgmt., increased bottom withdrawal
12-Jun-16	8.8	7.2	1.6	6.5-8.5	0	25	Adaptive mgmt., increased bottom withdrawal
13-Jun-16	8.8	7.2	1.52	6.5-8.5	0	30	Adaptive mgmt., increased bottom withdrawal
14-Jun-16	8.6	7.2	1.39	6.5-8.5	0	35	Adaptive mgmt., increased bottom withdrawal
15-Jun-16	8.7	7.8	0.85	6.5-8.5	0	40	Adaptive mgmt., increased bottom withdrawal
16-Jun-16	8.8	7.8	1	6.5-8.5	0	45	Adaptive mgmt., increased bottom withdrawal
17-Jun-16	8.7	7.8	0.88	6.5-8.5	0	50	Adaptive mgmt., increased bottom withdrawal
18-Jun-16	8.6	7.8	0.74	6.5-8.5	0	50	Adaptive mgmt., increased bottom withdrawal
20-Jun-16	8.5	7.8	0.69	6.5-8.5	0	50	pH criterion met
24-Jun-16	8.6	7.8	0.72	6.5-8.5	0	40	Adaptive mgmt., increased bottom withdrawal
25-Jun-16	8.7	7.8	0.88	6.5-8.5	0	40	Adaptive mgmt., increased bottom withdrawal
26-Jun-16	8.7	7.8	0.84	6.5-8.5	0	40	Adaptive mgmt., increased bottom withdrawal
27-Jun-16	8.9	8.3	0.59	6.5-8.5	0	40	Adaptive mgmt., increased bottom withdrawal
28-Jun-16	8.9	8.3	0.59	6.5-8.5	0	40	Adaptive mgmt., increased bottom withdrawal
29-Jun-16	8.9	8.3	0.58	6.5-8.5	0	30	Adaptive mgmt., increased bottom withdrawal
30-Jun-16	8.9	8.3	0.59	6.5-8.5	0	30	Adaptive mgmt., increased bottom withdrawal
1-Jul-16	8.8	8.3	0.56	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
2-Jul-16	8.8	8.3	0.48	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
3-Jul-16	8.8	8.3	0.51	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal

pH Data: 2012-2017

Date	Max. pH at Rereg. Dam	Tributary Flow-Weighted pH ¹	Difference (Max. pH at Rereg. Dam-Tributary pH)	pH Criterion	Blend 17 (% SWW Bottom Withdrawal)	Actual % SWW Bottom Withdrawal	Evaluation
4-Jul-16	8.9	8.3	0.59	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
5-Jul-16	8.9	8.3	0.61	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
6-Jul-16	8.8	8.2	0.64	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
7-Jul-16	8.8	8.2	0.66	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
8-Jul-16	8.9	8.2	0.7	6.5-8.5	15	40	Adaptive mgmt., increased bottom withdrawal
9-Jul-16	8.9	8.2	0.71	6.5-8.5	15	40	Adaptive mgmt., increased bottom withdrawal
10-Jul-16	8.8	8.2	0.65	6.5-8.5	15	40	Adaptive mgmt., increased bottom withdrawal
11-Jul-16	8.8	8.2	0.66	6.5-8.5	15	55	Adaptive mgmt., increased bottom withdrawal
12-Jul-16	8.8	8.3	0.51	6.5-8.5	15	65	Adaptive mgmt., max SWW bottom withdrawal
13-Jul-16	8.7	8.3	0.43	6.5-8.5	15	65	Adaptive mgmt., max SWW bottom withdrawal
14-Jul-16	8.5	8.3	0.25	6.5-8.5	15	65	pH criterion met
15-Jul-16	8.5	8.3	0.22	6.5-8.5	15	65	pH criterion met
20-Jul-16	8.6	8.3	0.26	6.5-8.5	15	45	Adaptive mgmt., increased bottom withdrawal
21-Jul-16	8.6	8.3	0.35	6.5-8.5	15	45	Adaptive mgmt., increased bottom withdrawal
22-Jul-16	8.7	8.3	0.42	6.5-8.5	15	45	Adaptive mgmt., increased bottom withdrawal
23-Jul-16	8.8	8.3	0.49	6.5-8.5	15	45	Adaptive mgmt., increased bottom withdrawal
24-Jul-16	8.7	8.3	0.42	6.5-8.5	15	45	Adaptive mgmt., increased bottom withdrawal
25-Jul-16	8.7	8.3	0.42	6.5-8.5	15	45	Adaptive mgmt., increased bottom withdrawal
26-Jul-16	8.7	8.1	0.61	6.5-8.5	15	45	Adaptive mgmt., increased bottom withdrawal
27-Jul-16	8.6	8.1	0.48	6.5-8.5	15	45	Adaptive mgmt., increased bottom withdrawal
1-Aug-16	8.5	8.1	0.39	6.5-8.5	30	45	pH criterion met
4-Aug-16	8.6	8.3	0.26	6.5-8.5	30	45	Adaptive mgmt., increased bottom withdrawal
5-Aug-16	8.6	8.3	0.25	6.5-8.5	30	45	Adaptive mgmt., increased bottom withdrawal
6-Aug-16	8.6	8.3	0.27	6.5-8.5	30	60	Adaptive mgmt., increased bottom withdrawal
7-Aug-16	8.5	8.3	0.22	6.5-8.5	30	60	pH criterion met
18-Aug-16	8.6	8.2	0.36	6.5-8.5	30	45	Adaptive mgmt., increased bottom withdrawal
19-Aug-16	8.6	8.2	0.36	6.5-8.5	30	45	Adaptive mgmt., increased bottom withdrawal
20-Aug-16	8.6	8.2	0.37	6.5-8.5	30	45	Adaptive mgmt., increased bottom withdrawal
21-Aug-16	8.6	8.2	0.33	6.5-8.5	30	45	Adaptive mgmt., increased bottom withdrawal

pH Data: 2012-2017

Date	Max. pH at Rereg. Dam	Tributary Flow-Weighted pH ¹	Difference (Max. pH at Rereg. Dam-Tributary pH)	pH Criterion	Blend 17 (% SWW Bottom Withdrawal)	Actual % SWW Bottom Withdrawal	Evaluation
22-Aug-16	8.6	8.2	0.36	6.5-8.5	30	55	Adaptive mgmt., increased bottom withdrawal
23-Aug-16	8.7	8.3	0.34	6.5-8.5	30	55	Adaptive mgmt., increased bottom withdrawal
24-Aug-16	8.5	8.3	0.21	6.5-8.5	30	55	pH criterion met
25-Aug-16	8.5	8.3	0.21	6.5-8.5	30	55	pH criterion met
30-Aug-16	8.2	8.3	-0.13	6.5-8.5	30	55	pH criterion met
28-Oct-16	8.5	7.9	0.52	6.5-8.5	50	0	pH criterion met
29-Oct-16	8.4	7.9	0.42	6.5-8.5	50	0	pH criterion met
30-Oct-16	8.3	7.9	0.35	6.5-8.5	50	0	pH criterion met
31-Oct-16	8.4	7.9	0.43	6.5-8.5	50	0	pH criterion met
1-Nov-16	8.5	7.9	0.58	6.5-8.5	0	0	pH criterion met
2-Nov-16	8.5	7.9	0.55	6.5-8.5	0	0	pH criterion met
3-Nov-16	8.6	7.9	0.68	6.5-8.5	0	0	Adaptive mgmt.
4-Nov-16	8.6	7.9	0.69	6.5-8.5	0	0	Adaptive mgmt.
5-Nov-16	8.6	7.9	0.67	6.5-8.5	0	0	Adaptive mgmt.
6-Nov-16	8.6	7.9	0.7	6.5-8.5	0	0	Adaptive mgmt.
8-Nov-16	8.6	7.9	0.7	6.5-8.5	0	0	Adaptive mgmt.
9-Nov-16	8.6	7.9	0.67	6.5-8.5	0	0	Adaptive mgmt.
11-Nov-16	8.5	7.9	0.58	6.5-8.5	0	0	pH criterion met
12-Nov-16	8.6	7.9	0.61	6.5-8.5	0	0	Adaptive mgmt.
13-Nov-16	8.5	7.9	0.53	6.5-8.5	0	0	pH criterion met
14-Nov-16	8.4	7.9	0.46	6.5-8.5	0	0	pH criterion met
15-Nov-16	8.4	7.9	0.42	6.5-8.5	0	0	pH criterion met
17-Nov-16	8.4	7.9	0.41	6.5-8.5	0	0	pH criterion met
18-Nov-16	8.2	7.9	0.29	6.5-8.5	0	0	pH criterion met
Average	8.7	8.1	0.57				

¹The tributary flow-weighted pH is based on weekly pH measurements. The value stated is the calculated tributary flow-weighted pH for that day or the most recently calculated value prior to that day.

pH Data: 2012-2017

Date	Max. pH at Rereg. Dam	Tributary Flow-Weighted pH ¹	Difference (Max. pH at Rereg. Dam-Tributary pH)	pH Criterion	Blend 17 (% SWW Bottom Withdrawal)	Actual % SWW Bottom Withdrawal	Evaluation
6-Apr-17	8.6	8.4	0.2	6.5-8.5	0	0	Adaptive mgmt.
7-Apr-17	8.6	8.4	0.2	6.5-8.5	0	0	Adaptive mgmt.
8-Apr-17	8.6	8.4	0.2	6.5-8.5	0	0	Adaptive mgmt.
9-Apr-17	8.5	8.4	0.1	6.5-8.5	0	0	pH criterion met
10-Apr-17	8.5	8.4	0.1	6.5-8.5	0	0	pH criterion met
11-Apr-17	8.7	8.4	0.3	6.5-8.5	0	0	Adaptive mgmt.
12-Apr-17	8.7	8.4	0.3	6.5-8.5	0	0	Adaptive mgmt.
13-Apr-17	8.7	8.4	0.3	6.5-8.5	0	0	Adaptive mgmt.
14-Apr-17	8.7	8.4	0.3	6.5-8.5	0	0	Adaptive mgmt.
15-Apr-17	8.7	8.4	0.3	6.5-8.5	0	0	Adaptive mgmt.
16-Apr-17	8.7	8.4	0.3	6.5-8.5	0	0	Adaptive mgmt.
17-Apr-17	8.7	8.4	0.3	6.5-8.5	0	0	Adaptive mgmt.
18-Apr-17	8.7	8.4	0.3	6.5-8.5	0	0	Adaptive mgmt.
19-Apr-17	8.7	8.4	0.3	6.5-8.5	0	0	Adaptive mgmt.
20-Apr-17	8.7	8.4	0.3	6.5-8.5	0	0	Adaptive mgmt.
21-Apr-17	8.7	8.4	0.3	6.5-8.5	0	0	Adaptive mgmt.
22-Apr-17	8.7	8.4	0.3	6.5-8.5	0	0	Adaptive mgmt.
23-Apr-17	8.7	8.4	0.3	6.5-8.5	0	0	Adaptive mgmt.
24-Apr-17	8.7	8.4	0.3	6.5-8.5	0	0	Adaptive mgmt.
25-Apr-17	8.7	8.4	0.3	6.5-8.5	0	0	Adaptive mgmt.
26-Apr-17	8.7	8.4	0.3	6.5-8.5	0	0	Adaptive mgmt.
27-Apr-17	8.7	8.4	0.3	6.5-8.5	0	0	Adaptive mgmt.
28-Apr-17	8.5	8.4	0.2	6.5-8.5	0	0	pH criterion met
30-Apr-17	8.6	8.4	0.2	6.5-8.5	0	0	Adaptive mgmt.
7-May-17	8.5	8.2	0.3	6.5-8.5	0	0	pH criterion met
8-May-17	8.5	8.3	0.2	6.5-8.5	0	0	pH criterion met

pH Data: 2012-2017

Date	Max. pH at Rereg. Dam	Tributary Flow-Weighted pH ¹	Difference (Max. pH at Rereg. Dam-Tributary pH)	pH Criterion	Blend 17 (% SWW Bottom Withdrawal)	Actual % SWW Bottom Withdrawal	Evaluation
9-May-17	8.5	8.3	0.2	6.5-8.5	0	0	pH criterion met
12-May-17	8.6	8.3	0.2	6.5-8.5	0	0	Adaptive mgmt.
13-May-17	8.6	8.3	0.3	6.5-8.5	0	0	Adaptive mgmt.
14-May-17	8.6	8.3	0.2	6.5-8.5	0	0	Adaptive mgmt.
17-May-17	8.5	8.3	0.2	6.5-8.5	0	0	pH criterion met
18-May-17	8.5	8.3	0.2	6.5-8.5	0	0	pH criterion met
19-May-17	8.6	8.3	0.2	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
20-May-17	8.6	8.3	0.2	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
21-May-17	8.6	8.3	0.2	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
22-May-17	8.7	8.3	0.4	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
23-May-17	8.7	8.3	0.4	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
24-May-17	8.8	8.3	0.5	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
25-May-17	8.7	8.3	0.4	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
26-May-17	8.7	8.3	0.4	6.5-8.5	0	10	Adaptive mgmt., increased bottom withdrawal
27-May-17	8.8	8.3	0.5	6.5-8.5	0	10	Adaptive mgmt., increased bottom withdrawal
28-May-17	8.8	8.3	0.5	6.5-8.5	0	10	Adaptive mgmt., increased bottom withdrawal
29-May-17	8.8	8.3	0.5	6.5-8.5	0	10	Adaptive mgmt., increased bottom withdrawal
30-May-17	8.7	8.3	0.4	6.5-8.5	0	10	Adaptive mgmt., increased bottom withdrawal
31-May-17	8.8	8.3	0.4	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
1-Jun-17	8.7	8.3	0.4	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
2-Jun-17	8.6	8.3	0.3	6.5-8.5	0	15	Adaptive mgmt., increased bottom withdrawal
3-Jun-17	8.6	8.3	0.3	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
4-Jun-17	8.5	8.3	0.1	6.5-8.5	0	20	pH criterion met
7-Jun-17	8.5	8.2	0.3	6.5-8.5	0	20	pH criterion met
8-Jun-17	8.6	8.2	0.4	6.5-8.5	0	25	Adaptive mgmt., increased bottom withdrawal
9-Jun-17	8.6	8.2	0.4	6.5-8.5	0	30	Adaptive mgmt., increased bottom withdrawal
17-Jun-17	8.7	8.0	0.7	6.5-8.5	0	35	Adaptive mgmt., increased bottom withdrawal
18-Jun-17	8.7	8.0	0.7	6.5-8.5	0	35	Adaptive mgmt., increased bottom withdrawal

pH Data: 2012-2017

Date	Max. pH at Rereg. Dam	Tributary Flow-Weighted pH ¹	Difference (Max. pH at Rereg. Dam-Tributary pH)	pH Criterion	Blend 17 (% SWW Bottom Withdrawal)	Actual % SWW Bottom Withdrawal	Evaluation
19-Jun-17	8.7	8.3	0.4	6.5-8.5	0	35	Adaptive mgmt., increased bottom withdrawal
20-Jun-17	8.6	8.3	0.3	6.5-8.5	0	25	Adaptive mgmt., increased bottom withdrawal
21-Jun-17	8.6	8.3	0.3	6.5-8.5	0	25	Adaptive mgmt., increased bottom withdrawal
22-Jun-17	8.6	8.3	0.3	6.5-8.5	0	25	Adaptive mgmt., increased bottom withdrawal
24-Jun-17	8.6	8.3	0.3	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
25-Jun-17	8.8	8.3	0.5	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
26-Jun-17	8.8	8.3	0.4	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
27-Jun-17	8.7	8.3	0.3	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
28-Jun-17	8.6	8.3	0.3	6.5-8.5	0	20	Adaptive mgmt., increased bottom withdrawal
1-Jul-17	8.6	8.3	0.3	6.5-8.5	15	20	Adaptive mgmt., increased bottom withdrawal
2-Jul-17	8.6	8.3	0.3	6.5-8.5	15	20	Adaptive mgmt., increased bottom withdrawal
3-Jul-17	8.5	8.3	0.2	6.5-8.5	15	20	pH criterion met
6-Jul-17	8.6	7.9	0.7	6.5-8.5	15	20	Adaptive mgmt., increased bottom withdrawal
7-Jul-17	8.7	7.9	0.8	6.5-8.5	15	20	Adaptive mgmt., increased bottom withdrawal
8-Jul-17	8.6	7.9	0.7	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
9-Jul-17	8.5	7.9	0.6	6.5-8.5	15	30	pH criterion met
12-Jul-17	8.5	8.0	0.6	6.5-8.5	15	30	pH criterion met
14-Jul-17	8.5	8.0	0.5	6.5-8.5	15	30	pH criterion met
15-Jul-17	8.6	8.0	0.6	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
16-Jul-17	8.6	8.0	0.6	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
17-Jul-17	8.5	8.3	0.3	6.5-8.5	15	30	pH criterion met
18-Jul-17	8.7	8.3	0.4	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
19-Jul-17	8.7	8.3	0.4	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
20-Jul-17	8.7	8.3	0.5	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
21-Jul-17	8.8	8.3	0.5	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
22-Jul-17	8.8	8.3	0.5	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
23-Jul-17	8.8	8.3	0.5	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
24-Jul-17	8.8	8.3	0.4	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal

pH Data: 2012-2017

Date	Max. pH at Rereg. Dam	Tributary Flow-Weighted pH ¹	Difference (Max. pH at Rereg. Dam-Tributary pH)	pH Criterion	Blend 17 (% SWW Bottom Withdrawal)	Actual % SWW Bottom Withdrawal	Evaluation
25-Jul-17	8.7	8.3	0.4	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
26-Jul-17	8.7	8.3	0.3	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
27-Jul-17	8.7	8.3	0.4	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
28-Jul-17	8.7	8.3	0.4	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
29-Jul-17	8.8	8.3	0.5	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
30-Jul-17	8.7	8.3	0.4	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
31-Jul-17	8.7	8.3	0.4	6.5-8.5	15	30	Adaptive mgmt., increased bottom withdrawal
1-Aug-17	8.7	8.3	0.3	6.5-8.5	30	30	Adaptive mgmt.
2-Aug-17	8.7	8.3	0.3	6.5-8.5	30	30	Adaptive mgmt.
3-Aug-17	8.7	8.3	0.4	6.5-8.5	30	30	Adaptive mgmt.
4-Aug-17	8.7	8.3	0.3	6.5-8.5	30	30	Adaptive mgmt.
5-Aug-17	8.7	8.3	0.4	6.5-8.5	30	30	Adaptive mgmt.
6-Aug-17	8.8	8.3	0.5	6.5-8.5	30	30	Adaptive mgmt.
7-Aug-17	8.8	8.3	0.5	6.5-8.5	30	30	Adaptive mgmt.
8-Aug-17	8.8	8.3	0.5	6.5-8.5	30	30	Adaptive mgmt.
9-Aug-17	8.8	8.3	0.5	6.5-8.5	30	30	Adaptive mgmt.
10-Aug-17	8.7	8.3	0.4	6.5-8.5	30	30	Adaptive mgmt.
11-Aug-17	8.8	8.3	0.4	6.5-8.5	30	40	Adaptive mgmt., increased bottom withdrawal
12-Aug-17	8.8	8.3	0.4	6.5-8.5	30	65	Adaptive mgmt., max SWW bottom withdrawal
13-Aug-17	8.8	8.3	0.5	6.5-8.5	30	65	Adaptive mgmt., max SWW bottom withdrawal
14-Aug-17	8.7	8.3	0.4	6.5-8.5	30	65	Adaptive mgmt., max SWW bottom withdrawal
15-Aug-17	8.6	8.1	0.5	6.5-8.5	30	65	Adaptive mgmt., max SWW bottom withdrawal
Average	8.7	8.3	0.4				

¹The tributary flow-weighted pH is based on weekly pH measurements. The value stated is the calculated tributary flow-weighted pH for that day or the most recently calculated value prior to that day.