

## **APPENDIX 2C**

### **SUMMARY STATISTICS AND DETAILED BOXPLOTS FOR HISTORICAL WATER QUALITY DATA, 1950 - 2001**



APPENDIX 2-C  
SUMMARY STATISTICS AND DETAILED BOXPLOTS FOR HISTORICAL WATER QUALITY DATA COLLECTED FROM  
VARIOUS SITES IN THE KLAMATH RIVER BETWEEN 1950 AND 2001

## BOXPLOTS

Boxplots are a graphical method useful to display the characteristics of a distribution of data and to compare the distribution of different sets of data. They consist of a box with a line through it, lines, or “whiskers,” extending from the top and bottom of the box, and, if the data warrant, solid or open circles located above or below the terminus of the whiskers. Each of these features represents an aspect of the data distribution.

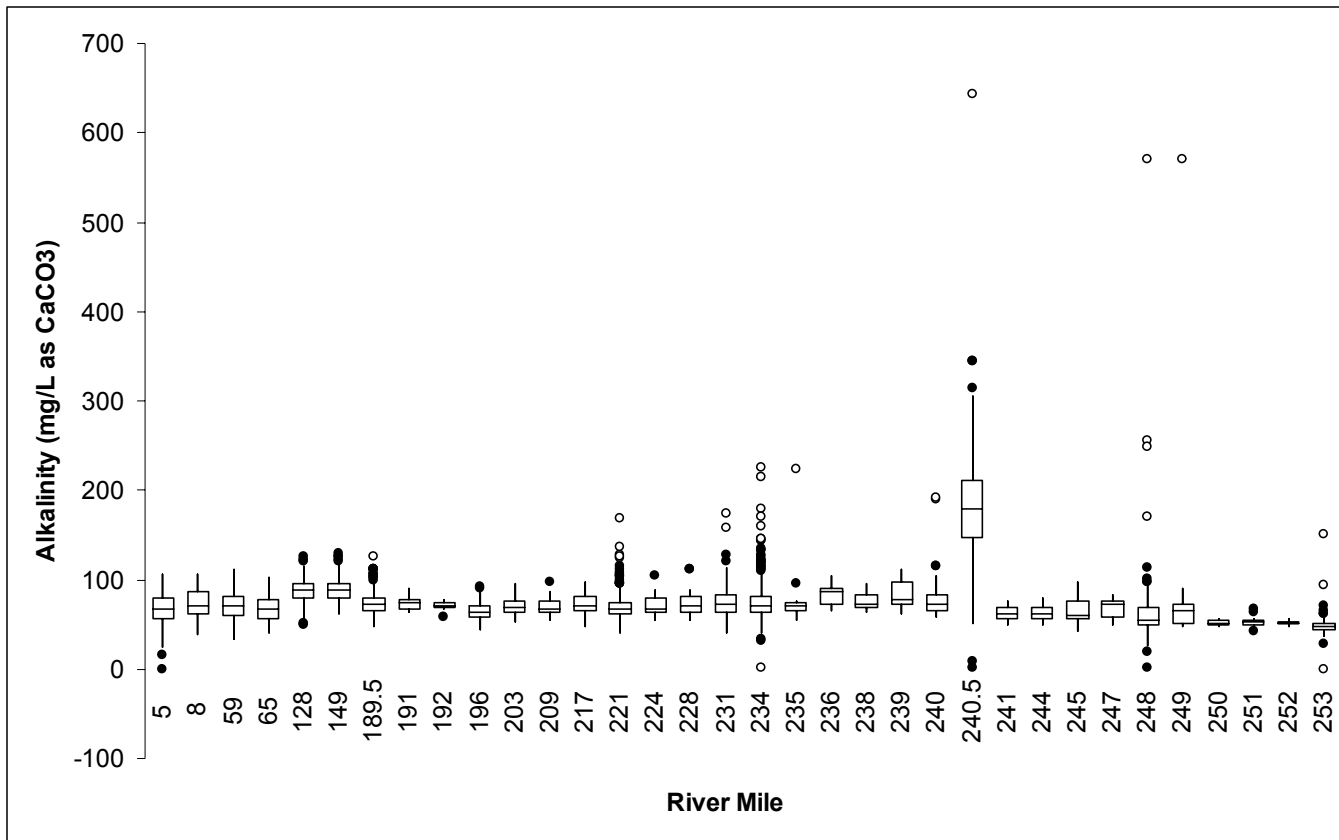
The box extends from the 25<sup>th</sup> percentile (bottom) to the 75<sup>th</sup> percentile (top) of the data. It thus encloses the central 50 percent of the data points. The length of the box is the interquartile range (IQR). The line through the box identifies the median, or middle, value of the distribution.

Data points that lie outside the IQR are represented in the box plot according to how they relate to the “fences” of the plot, which set the boundaries between “standard” observations, outliers, and extreme outliers. The inner fences, which define outliers, are located at the 75<sup>th</sup> percentile plus 1.5 x IQR and the 25<sup>th</sup> percentile minus 1.5 x IQR. The outer fences, which define extreme outliers, are located at the 75<sup>th</sup> percentile plus 3 x IQR and the 25<sup>th</sup> percentile minus 3 x IQR.

The whiskers of the boxplot extend above and below the box to the highest and lowest values of the distribution that are within the inner fences. Data points between the inner and outer fences (outliers) are represented by filled circles. Data points beyond the outer fences (extreme outliers) are represented by open circles.

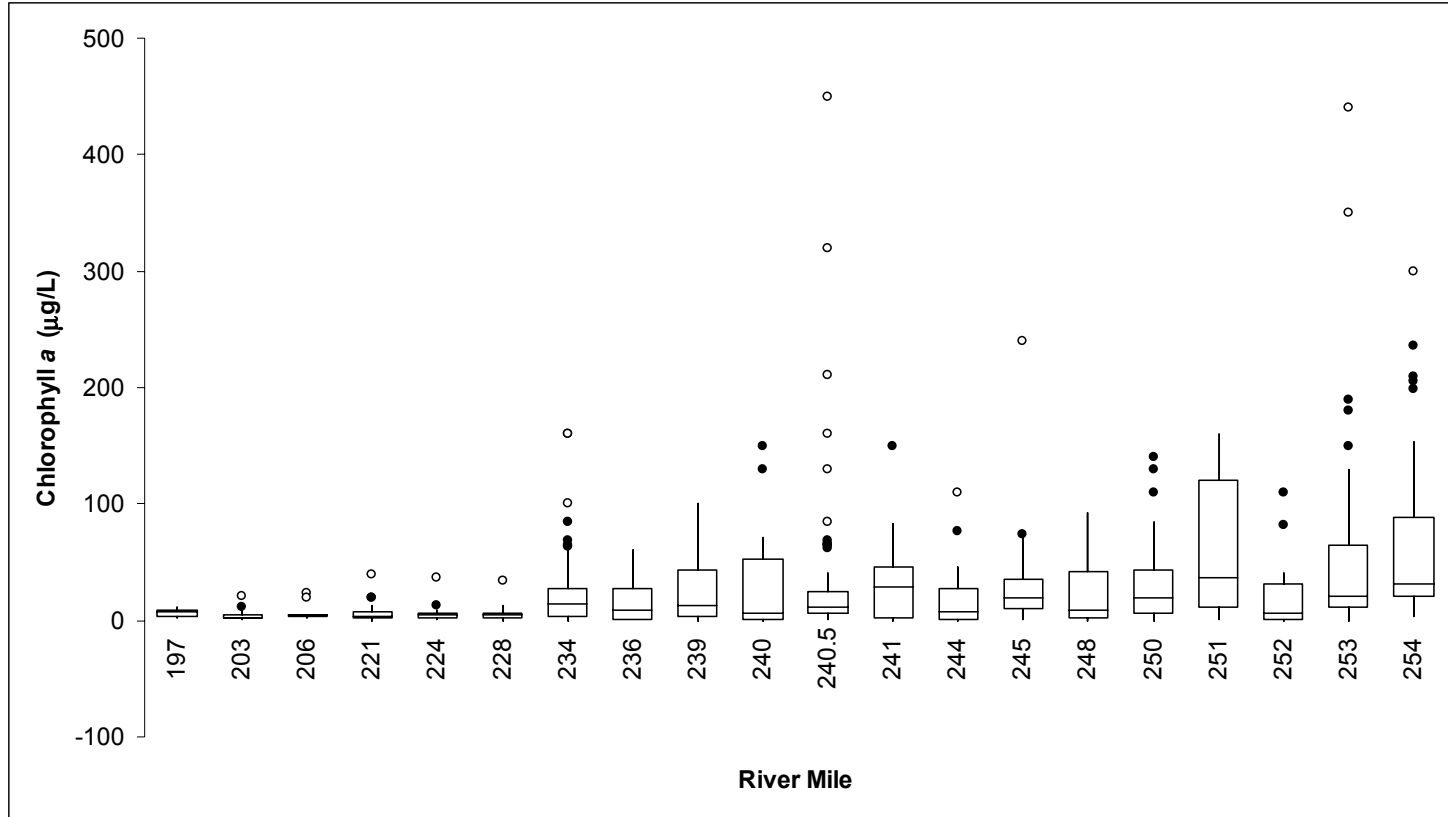
**ALKALINITY (mg/L)**

RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	CV	Std Dev
5	Klamath River At Klamath Glen	356	0.000	57.000	67.000	80.000	107.000	107.000		0.227	15.461
8	Klamath River South Of Hoopa	105	39.000	62.000	71.000	88.000	107.000	68.000	73.590	0.219	16.070
59	Klamath River At Orleans	220	33.000	60.000	70.000	81.000	112.000	79.000	70.373	0.217	15.205
65	Klamath River Below Salmon River	79	41.000	57.000	67.000	78.000	102.000	61.000	67.937	0.203	13.691
128	Klamath River Near Seiad Valley	181	49.000	79.000	88.000	95.000	126.000	77.000	86.785	0.145	12.569
149	Klamath R A Klamath R Sch Nr Hamburg Ca	180	62.000	79.000	88.000	95.500	130.000	68.000	88.222	0.145	12.765
189.5	Klamath River Below Iron Gate Dam	178	48.000	66.000	72.000	79.000	125.000	77.000	74.017	0.177	13.033
191	Iron Gate Reservoir	17	64.000	66.500	75.000	78.500	91.000	27.000	73.471	0.103	7.341
192	Iron Gate Reservoir	13	58.000	69.000	71.000	75.500	77.000	19.000	71.000	0.071	4.836
196	Klamath River Below Fall Creek (Pre Dam)	97	44.000	59.000	64.000	71.000	92.000	48.000	65.052	0.149	9.653
203	Kr5 Copco Inflow	19	53.500	60.800	68.800	76.800	95.900	42.400	70.658	0.148	10.161
209	Kr4 Klamath River Near Stateline	16	55.000	63.300	67.400	76.900	97.400	42.400	70.775	0.157	10.758
217	Kr3 Sci Salt Caves Site	19	48.200	64.500	71.200	81.300	98.200	50.000	71.384	0.175	12.139
221	Klamath R Bl John C Boyle Pp Nr Keno,Oreg.	223	41.000	61.000	67.000	74.500	168.000	127.000	70.834	0.229	16.213
224	Below Jc Boyle Dam	16	54.200	63.150	67.750	79.500	105.000	50.800	71.806	0.186	12.948
228	Kr1 Above Jcboyle Reservoir	19	54.200	62.600	70.300	82.100	112.000	57.800	74.384	0.212	15.314
231	Klamath River Near Keno	151	40.000	64.000	72.000	84.000	174.000	134.000	75.530	0.237	17.850
234	Klamath River At Keno Bridge (Hwy 66)	308	1.000	64.000	71.500	82.000	225.000	224.000	77.377	0.314	24.283
235	Klamath R.Blw Big Bend Power Pl	22	55.000	65.000	70.000	74.000	223.000	168.000	76.000	0.445	33.065
236	Klamath River At Irrigation Pumphouse	21	66.000	72.000	86.000	91.500	104.000	38.000	82.048	0.139	11.163
238	Klamath River Directly South Of Hill 4315	12	63.000	68.500	72.500	83.500	95.000	32.000	75.750	0.136	9.875
239	Klamath River At Powerline Crossing (D/S Strait)	29	61.000	72.000	77.000	100.500	111.000	50.000	83.483	0.196	16.115
240	Klamath River 1000' D/S Klamath Strait	32	58.000	65.500	72.500	83.500	191.000	133.000	82.469	0.386	31.305
240.5	Klamath Strait 200' D/S Pump Station F (S Chan)	222	1.000	148.000	180.000	212.000	643.000	642.000	183.627	0.333	60.929
241	Klamath River 1000' U/S Klamath Strait	30	49.000	56.000	62.500	70.000	76.000	27.000	62.300	0.126	7.708
244	Klamath River D/S Of North Canal (Midland)	18	50.000	57.000	61.000	70.000	80.000	30.000	63.778	0.150	9.283
245	Klamath River At Miller Island Boat Ramp	32	42.000	56.000	60.000	76.500	97.000	55.000	65.250	0.210	13.475
247	Klamath River At Weyerhaeuser Mill Smokestack	13	49.000	58.500	72.000	76.000	83.000	34.000	69.462	0.152	10.157
248	Klamath River At Hwy 97 Br Se	144	1.000	50.000	55.500	68.200	570.000	569.000	65.398	0.783	51.016
249	Klamath River At Hwy 97 Br Ne	19	47.000	50.000	65.000	73.000	570.000	523.000	89.421	1.309	113.931
250	Klamath River At North End Of Dog Pound Island	23	48.000	50.000	52.000	54.000	56.000	8.000	52.217	0.046	2.340
251	Klamath River At Klad Radio Tower	18	42.000	50.000	52.500	55.000	67.000	25.000	53.056	0.104	5.380
252	Lake Ewauna Between Stps	18	47.000	51.000	52.000	54.000	57.000	10.000	51.944	0.053	2.656
253	421404121480101	292	0.000	44.000	47.000	51.000	151.000	151.000	48.158	0.187	8.991



**CHLOROPHYLL *a* (µg/L)**

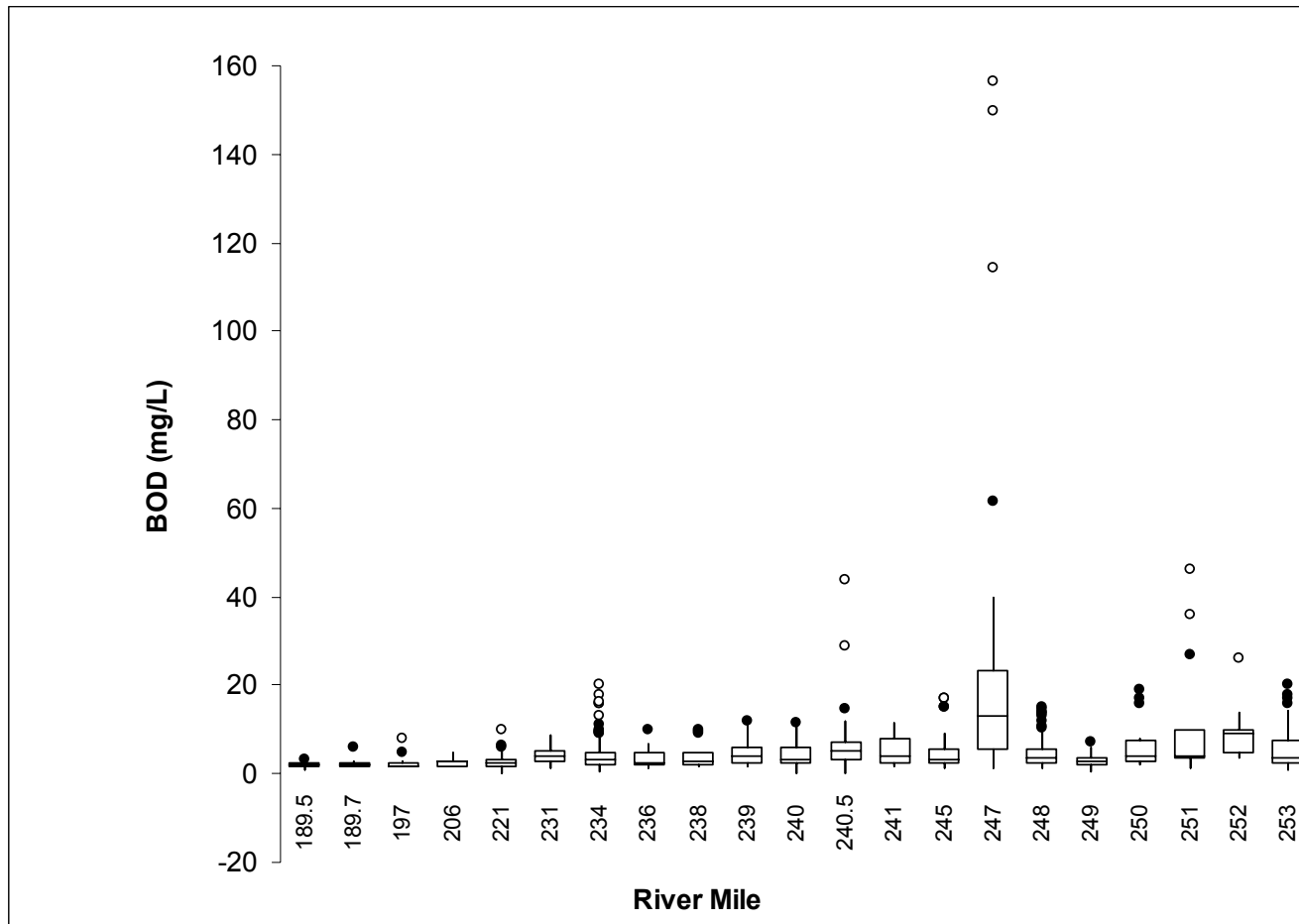
Rm	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	Cv	Std Dev
197	Copco Dam Outflow	11	1.900	2.900	7.000	9.200	11.000	9.100	6.173	0.533	3.140
203	Kr5 Copco Inflow	17	0.500	1.750	2.800	5.850	21.200	20.700	4.835	1.077	5.051
206	Klamath River U/S Shovel Creek	11	1.600	3.100	4.900	5.300	24.000	22.400	7.164	1.045	7.136
221	Klamath R Bl John C Boyle Pp Nr Keno,Oreg.	36	0.100	1.950	3.600	7.700	40.000	39.900	6.472	1.185	7.564
224	Below Jc Boyle Dam	15	1.300	2.100	4.400	6.600	36.200	34.900	6.693	1.297	8.387
228	Kr1 Above Jcboyle Reservoir	18	0.200	1.700	4.400	6.400	34.600	34.400	6.367	1.241	7.677
234	Klamath River At Keno Bridge (Hwy 66)	72	0.100	3.950	14.500	27.350	160.000	159.900	23.836	1.294	30.636
236	Klamath River At Irrigation Pumphouse	12	0.400	0.600	9.400	29.000	61.000	60.600	17.900	1.186	20.323
239	Klamath River At Powerline Crossing (D/S Strait)	18	0.200	2.800	13.400	43.000	100.000	99.800	29.044	1.115	31.482
240	Klamath River 1000' D/S Klamath Strait	15	0.200	0.600	5.800	66.000	150.000	149.800	34.273	1.436	47.552
240.5	Klamath Strait 200' D/S Pump Station F (S Chan)	74	0.700	6.300	11.750	24.400	450.000	449.300	33.184	2.096	69.084
241	Klamath River 1000' U/S Klamath Strait	14	0.100	1.900	29.000	46.000	150.000	149.900	35.400	1.174	40.042
244	Klamath River D/S Of North Canal (Midland)	13	0.100	0.250	8.100	36.500	110.000	109.900	24.023	1.436	33.146
245	Klamath River At Miller Island Boat Ramp	20	0.300	10.050	20.000	39.500	240.000	239.700	35.940	1.471	51.544
248	Klamath River At Hwy 97 Br Se	13	0.100	1.200	8.800	46.000	92.000	91.900	25.562	1.212	29.755
250	Klamath River At North End Of Dog Pound Island	30	0.100	5.900	19.000	44.000	140.000	139.900	34.390	1.134	38.350
251	Klamath River At Klad Radio Tower	19	0.900	11.000	37.000	120.000	160.000	159.100	56.484	0.974	53.558
252	Lake Ewauna Between Stps	12	0.100	0.900	6.450	34.500	110.000	109.900	25.467	1.417	34.559
253	421404121480101	76	0.100	10.850	21.400	64.150	440.000	439.900	48.509	1.482	71.420
254	Link River At Fremont St Bridge	41	3.700	21.000	32.000	94.500	299.000	295.300	67.546	1.066	71.150



**BIOCHEMICAL OXYGEN DEMAND (BOD) mg/L**

RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	Cv	Std Dev
189.5	Klamath River Below Iron Gate Dam	15	0.800	1.700	2.000	2.300	3.300	2.500	1.987	0.325	0.624
189.7	Iron Gate Dam Outflow	8	1.500	1.500	2.000	2.750	6.000	4.500	2.500	0.614	1.436
197	Copco Dam Outflow	12	1.500	1.500	1.500	2.750	8.000	6.500	2.625	0.758	1.905
206	Klamath River U/S Shovel Creek	12	1.500	1.500	2.750	3.000	5.000	3.500	2.750	0.449	1.181
221	Klamath R Bl John C Boyle Pp Nr Keno, Oreg.	177	0.200	1.700	2.500	3.400	10.000	9.800	2.621	0.498	1.302
231	Klamath River Near Keno	83	1.100	2.800	3.900	5.150	8.600	7.500	4.128	0.429	1.759
234	Klamath River At Keno Bridge (Hwy 66)	239	0.300	2.100	3.200	4.800	20.000	19.700	3.917	0.724	2.831
236	Klamath River At Irrigation Pumphouse	14	1.400	2.000	2.550	4.800	10.000	8.600	3.671	0.675	2.389
238	Klamath River Directly South Of Hill 4315	12	1.600	2.000	2.750	6.100	10.000	8.400	4.192	0.780	3.131
239	Klamath River At Powerline Crossing (D/S Strait)	22	1.800	2.400	4.050	6.000	12.000	10.200	4.891	0.613	2.928
240	Klamath River 1000' D/S Klamath Strait	15	0.100	2.100	3.100	6.700	11.700	11.600	4.540	0.759	3.330
240.5	Klamath Strait 200' D/S Pump Station F (S Chan)	105	0.100	3.200	5.300	7.250	44.000	43.900	6.028	0.871	5.224
241	Klamath River 1000' U/S Klamath Strait	16	1.600	2.500	4.150	7.950	11.700	10.100	5.256	0.621	3.163
245	Klamath River At Miller Island Boat Ramp	25	1.400	2.200	3.100	5.700	17.000	15.600	5.624	0.904	4.979
247	Klamath River At Weyerhaeuser Mill Smokestack	26	1.200	5.600	13.000	24.000	156.400	155.200	29.100	1.493	42.607
248	Klamath River At Hwy 97 Br Se	74	1.400	2.600	3.600	5.900	15.000	13.600	4.893	0.719	3.496
249	Klamath River At Hwy 97 Br Ne	14	0.500	1.900	2.900	3.800	7.200	6.700	3.193	0.555	1.707
250	Klamath River At North End Of Dog Pound Island	15	2.000	3.000	4.000	8.000	19.000	17.000	6.867	0.828	5.495
251	Klamath River At Klad Radio Tower	13	1.400	3.550	4.000	18.500	46.000	44.600	11.892	1.233	14.086
252	Lake Ewauna Between Stps	9	3.600	4.200	9.000	12.000	26.000	22.400	9.778	0.714	6.585
253	421404121480101	184	0.700	2.350	3.550	7.600	20.000	19.300	5.071	0.684	3.461



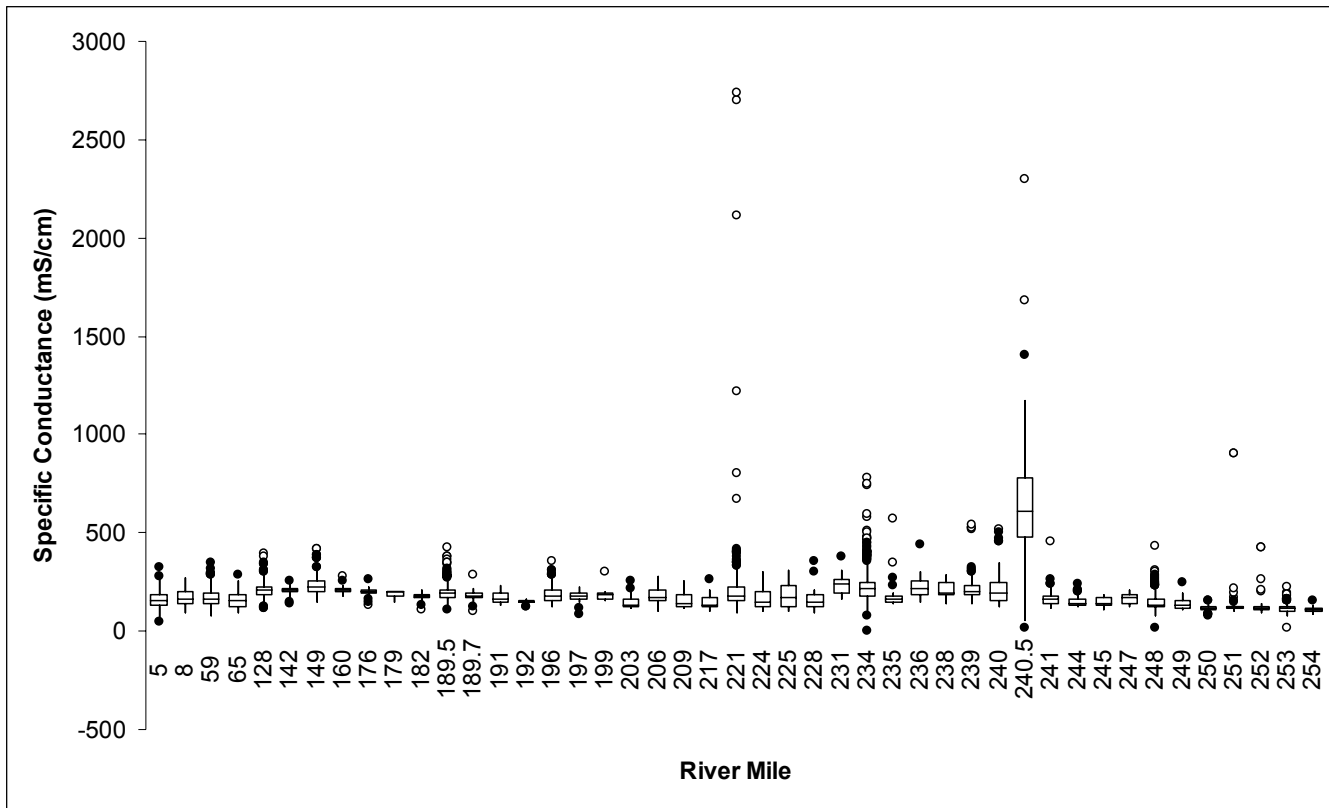


**SPECIFIC CONDUCTANCE (µS/cm)**

RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	CV	Std Dev
5	Klamath River At Klamath Glen	586	47.000	133.000	156.000	190.000	327.000	280.000	159.811	0.232	36.970
8	Klamath River South Of Hoopa	181	91.000	140.000	166.000	202.000	274.000	183.000	170.227	0.230	39.078
59	Klamath River At Orleans	476	80.000	138.000	164.000	194.000	346.000	266.000	167.084	0.245	40.919
65	Klamath River Below Salmon River	79	93.000	128.000	155.000	192.000	289.000	196.000	161.342	0.246	39.437
128	Klamath River Near Seiad Valley	428	114.000	187.500	208.000	228.000	397.000	283.000	209.150	0.176	36.779
142	Klamath River D/S Scott River	41	141.000	197.000	213.000	220.000	258.000	117.000	207.927	0.113	23.155
149	Klamath R A Klamath R Sch Nr Hamburg Ca	405	150.000	204.000	224.000	252.000	418.000	268.000	228.630	0.179	40.954
160	Klamath River D/S Beaver Creek	41	177.000	202.000	211.000	220.000	275.000	98.000	212.293	0.083	17.307
176	Klamath River D/S Shasta River	42	129.000	191.000	200.500	211.000	265.000	136.000	199.095	0.115	22.533
179	Klamath R At R Collier Rest Stop	34	145.000	174.000	198.500	201.000	205.000	60.000	186.853	0.105	19.336
182	Klamath River U/S Cottonwood Creek	41	108.000	169.500	181.000	189.000	213.000	105.000	179.439	0.107	18.920
189.5	Klamath River Below Iron Gate Dam	407	110.000	171.000	192.000	212.000	424.000	314.000	197.816	0.210	41.470
189.7	Iron Gate Dam Outflow	43	105.000	170.000	181.000	190.000	286.000	181.000	180.605	0.145	25.793
191	Iron Gate Reservoir	25	133.000	147.000	164.000	190.000	229.000	96.000	169.160	0.145	24.073
192	Iron Gate Reservoir	15	123.000	143.000	149.000	154.000	166.000	43.000	147.200	0.077	10.974
196	Klamath River Below Fall Creek (Pre Dam)	109	121.000	158.500	177.000	206.500	353.000	232.000	187.972	0.237	44.399
197	Copco Dam Outflow	47	89.000	165.000	178.000	194.000	221.000	132.000	179.723	0.142	25.337
199	Copco Reservoir	11	154.000	157.000	185.000	196.000	302.000	148.000	190.364	0.214	38.817
203	Kr5 Copco Inflow	19	117.000	126.000	134.000	168.000	258.000	141.000	150.684	0.256	37.514
206	Klamath River U/S Shovel Creek	48	101.000	154.000	173.000	208.500	280.000	179.000	182.042	0.206	37.167
209	Kr4 Klamath River Near Stateline	16	116.000	124.000	137.500	184.500	252.000	136.000	155.125	0.260	38.982
217	Kr3 Sci Salt Caves Site	19	103.000	127.000	135.000	169.000	264.000	161.000	150.842	0.269	39.472
221	Klamath R Bl John C Boyle Pp Nr Keno,Oreg	229	90.000	158.000	182.000	225.000	2740.000	2650.000	238.271	1.194	283.983
224	Below Jc Boyle Dam	16	99.000	126.500	144.000	203.000	302.000	203.000	166.188	0.343	55.190
225	Jc Boyle Reservoir At Deepest Point	12	103.000	126.500	170.500	244.500	313.000	210.000	187.250	0.400	71.664
228	Kr1 Above Jcboyle Reservoir	19	90.000	124.000	151.000	205.000	356.000	266.000	167.211	0.399	64.875
231	Klamath River Near Keno	12	160.000	193.000	240.000	275.000	375.000	215.000	242.333	0.253	58.592
234	Klamath River At Keno Bridge (Hwy 66)	602	2.000	180.000	219.000	250.000	780.000	778.000	227.958	0.348	79.226
235	Klamath R.Blw Big Bend Power Pl	29	141.000	150.000	165.000	182.500	570.000	429.000	188.207	0.453	83.839
236	Klamath River At Irrigation Pumphouse	24	146.000	185.500	219.500	255.500	440.000	294.000	227.917	0.268	59.789
238	Klamath River Directly South Of Hill 4315	18	137.000	186.000	191.500	252.000	288.000	151.000	211.056	0.215	44.107
239	Klamath River At Powerline Crossing (D/S Strait)	172	140.000	182.500	205.000	230.500	538.000	398.000	217.593	0.274	59.343
240	Klamath River 1000' D/S Klamath Strait	40	126.000	158.500	191.500	249.500	516.000	390.000	231.975	0.470	107.658
240.5	Klamath Strait 200' D/S Pump Station F (S Chan)	262	14.900	478.000	613.000	780.000	2300.000	2285.100	637.441	0.386	245.550

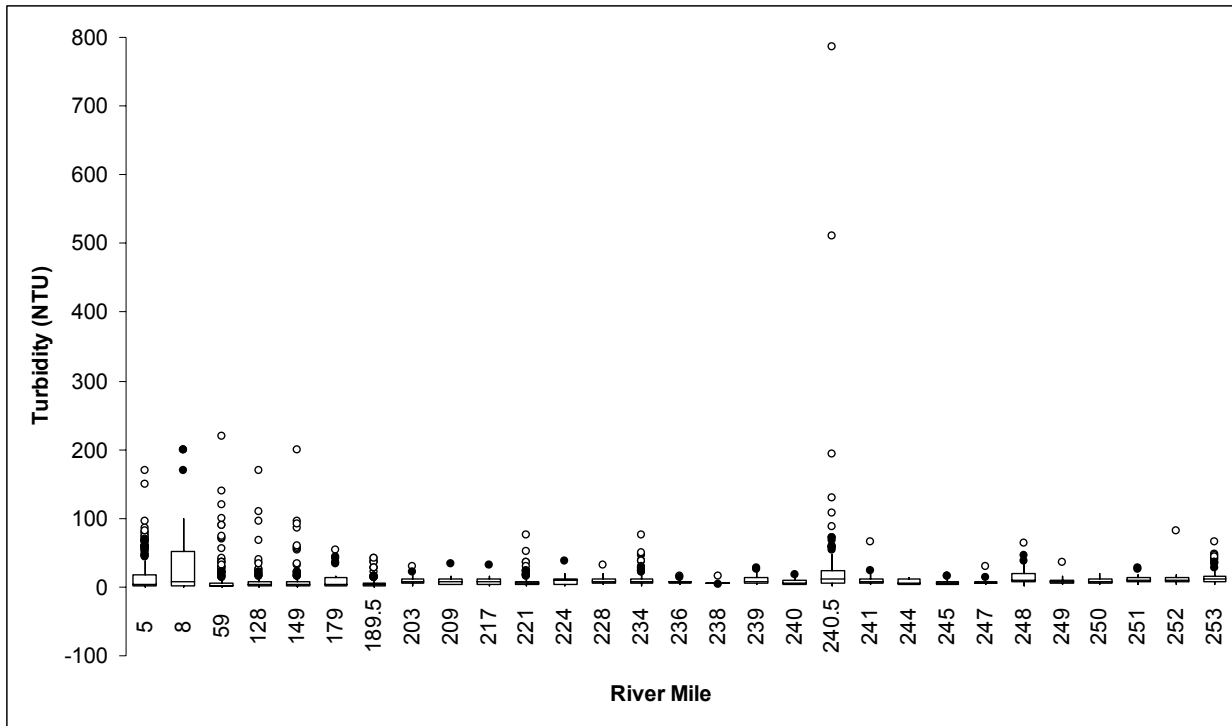
**SPECIFIC CONDUCTANCE ( $\mu\text{S}/\text{cm}$ )**

RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	CV	Std Dev
241	Klamath River 1000' U/S Klamath Strait	116	118.000	136.500	164.500	176.500	453.000	335.000	162.836	0.229	37.182
244	Klamath River D/S Of North Canal (Midland)	62	123.000	133.000	143.500	161.000	239.000	116.000	151.823	0.165	24.921
245	Klamath River At Miller Island Boat Ramp	75	111.000	129.000	142.000	168.000	184.000	73.000	145.013	0.160	23.102
247	Klamath River At Weyerhaeuser Mill Smokestack	17	122.000	136.000	172.000	184.000	212.000	90.000	163.059	0.173	27.318
248	Klamath River At Hwy 97 Br Se	333	16.500	121.000	131.000	163.000	431.000	414.500	146.067	0.289	42.210
249	Klamath River At Hwy 97 Br Ne	33	107.000	113.500	131.000	158.000	251.000	144.000	141.545	0.235	32.800
250	Klamath River At North End Of Dog Pound Island	383	80.000	111.000	120.000	126.000	154.000	74.000	117.415	0.105	12.369
251	Klamath River At Klad Radio Tower	43	100.000	113.000	122.000	128.000	900.000	800.000	161.326	1.033	164.711
252	Lake Ewauna Between Stps	150	96.000	110.000	115.000	127.000	425.000	329.000	123.233	0.322	39.489
253	421404121480101	353	15.000	105.000	114.000	123.500	227.000	212.000	115.994	0.156	18.066
254	Link River At Fremont St Bridge	27	83.400	101.500	112.000	119.000	158.000	74.600	112.137	0.128	14.045



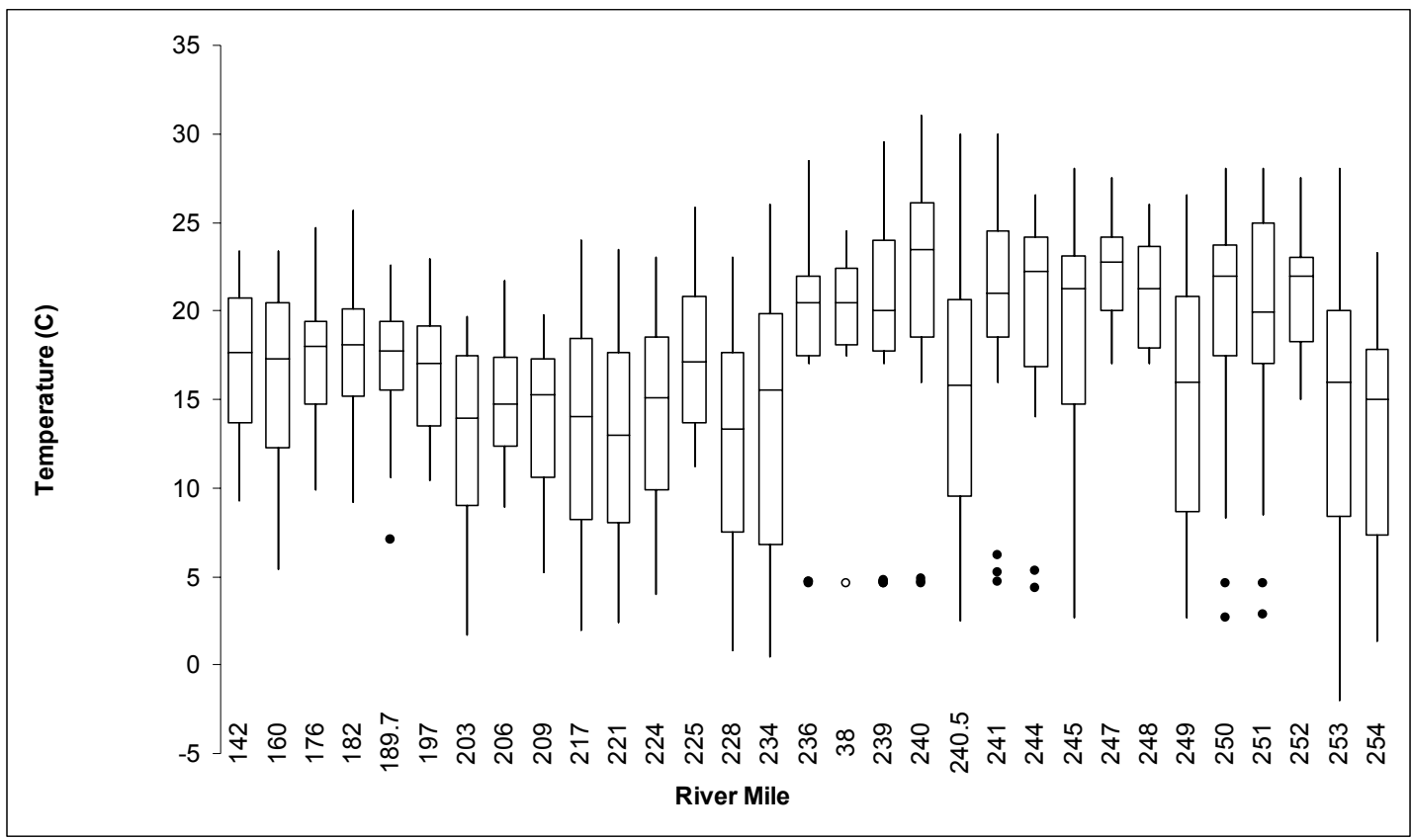
**TURBIDITY (NTU)**

RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	CV	Std Dev
5	Klamath River At Klamath Glen	188	0.400	1.150	3.200	18.500	170.000	169.600	16.055	1.659	26.562
8	Klamath River South Of Hoopa	78	0.000	2.000	7.000	54.000	200.000	200.000	28.679	1.493	42.549
59	Klamath River At Orleans	191	0.000	1.000	2.000	6.000	220.000	220.000	10.631	2.388	25.322
128	Klamath River Near Seiad Valley	208	0.000	2.000	4.000	7.000	170.000	170.000	7.514	2.194	16.448
149	Klamath R A Klamath R Sch Nr Hamburg Ca	139	0.000	2.000	4.000	7.000	200.000	200.000	9.899	2.292	22.607
179	Klamath R At R Collier Rest Stop	23	1.000	2.000	3.000	15.000	54.000	53.000	12.087	1.366	16.146
189.5	Klamath River Below Iron Gate Dam	209	0.000	2.000	4.000	6.000	42.000	42.000	5.488	1.223	6.694
203	Kr5 Copco Inflow	19	2.100	4.500	8.000	11.000	30.000	27.900	9.437	0.727	6.681
209	Kr4 Klamath River Near Stateline	16	3.100	4.000	7.600	11.500	33.000	29.900	9.463	0.787	7.210
217	Kr3 Sci Salt Caves Site	19	2.300	4.300	8.100	12.000	31.000	28.700	9.363	0.713	6.501
221	Klamath R Bl John C Boyle Pp Nr Keno,Oreg.	117	1.000	3.000	5.000	8.000	76.000	75.000	7.637	1.314	9.990
224	Below Jc Boyle Dam	16	2.600	3.850	9.000	13.000	38.000	35.400	10.506	0.846	8.606
228	Kr1 Above Jcboyle Reservoir	19	2.800	4.100	8.100	12.000	32.000	29.200	9.979	0.712	6.916
234	Klamath River At Keno Bridge (Hwy 66)	202	1.000	5.000	7.000	11.000	76.000	75.000	9.911	0.938	9.275
236	Klamath River At Irrigation Pumphouse	21	3.000	5.500	7.000	8.500	16.000	13.000	7.238	0.443	3.131
238	Klamath River Directly South Of Hill 4315	12	3.000	5.000	5.500	6.500	16.000	13.000	6.333	0.523	3.171
239	Klamath River At Powerline Crossing (D/S Strait)	28	3.000	6.000	7.000	14.000	28.000	25.000	10.464	0.666	6.843
240	Klamath River 1000' D/S Klamath Strait	23	3.000	4.000	5.000	9.000	17.000	14.000	7.000	0.594	4.065
240.5	Klamath Strait 200' D/S Pump Station F (S Chan)	115	2.000	6.000	11.000	23.000	787.000	785.000	30.950	2.868	88.389
241	Klamath River 1000' U/S Klamath Strait	25	3.000	4.500	7.000	12.000	65.000	62.000	11.040	1.131	12.239
244	Klamath River D/S Of North Canal (Midland)	18	3.000	4.000	5.500	12.000	14.000	11.000	7.278	0.541	3.827
245	Klamath River At Miller Island Boat Ramp	43	3.000	4.000	6.000	8.000	15.000	12.000	6.874	0.477	3.238
247	Klamath River At Weyerhaeuser Mill Smokestack	10	4.000	5.000	6.000	8.000	30.000	26.000	8.800	0.894	7.467
248	Klamath River At Hwy 97 Br Se	66	1.500	7.000	10.500	19.000	63.000	61.500	14.148	0.791	11.105
249	Klamath River At Hwy 97 Br Ne	12	4.000	5.500	7.950	11.150	36.000	32.000	10.433	0.829	8.283
250	Klamath River At North End Of Dog Pound Island	35	3.000	5.000	8.000	11.000	19.000	16.000	8.651	0.438	3.735
251	Klamath River At Klad Radio Tower	27	3.000	7.000	10.000	13.000	27.000	24.000	10.893	0.528	5.639
252	Lake Ewauna Between Stps	20	4.000	7.000	10.000	13.500	82.000	78.000	13.750	1.203	16.127
253	Link River	177	3.000	7.000	11.000	15.000	65.000	62.000	12.822	0.688	8.798



**TEMPERATURE (C)**

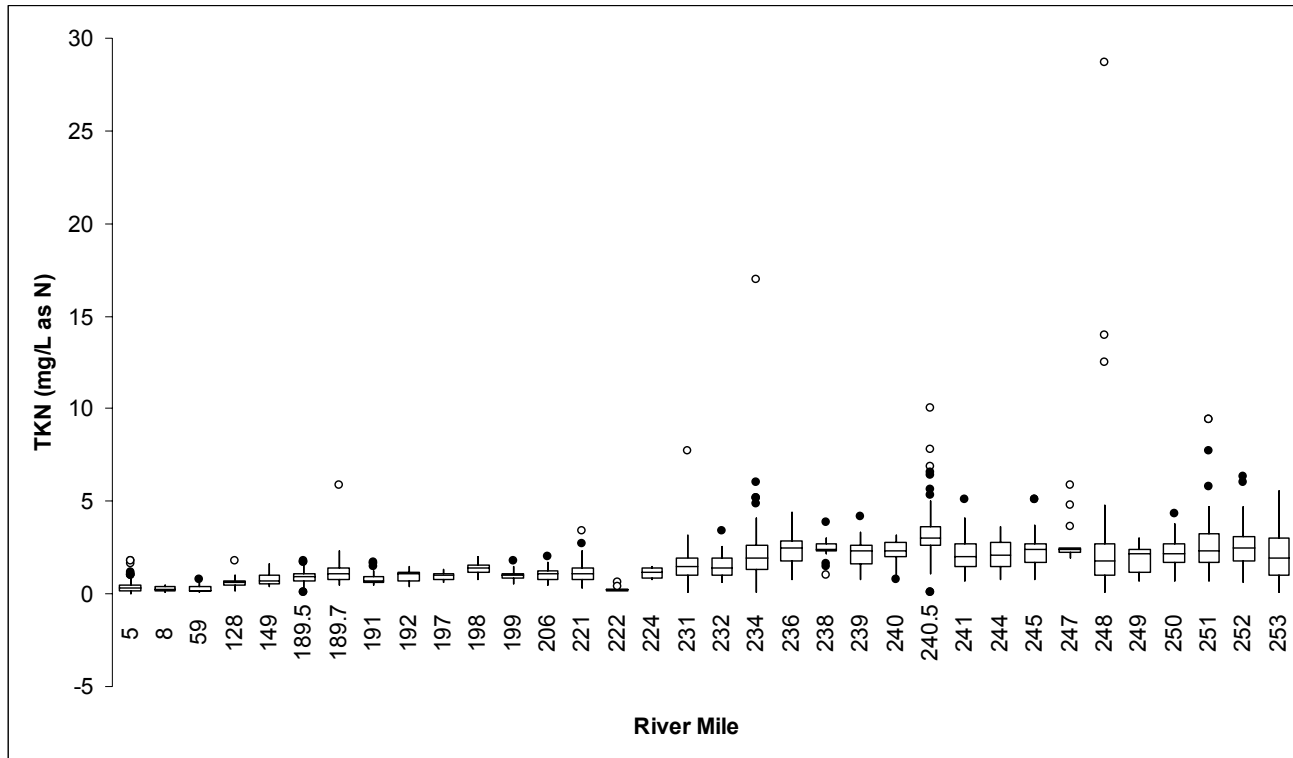
RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	CV	Std Dev
142	Klamath River D/S Scott River	33	9.300	12.850	17.600	20.950	23.400	14.100	17.139	0.265	4.469
160	Klamath River D/S Beaver Creek	33	5.400	12.100	17.300	20.700	23.400	18.000	16.609	0.285	4.660
176	Klamath River D/S Shasta River	33	9.900	14.650	18.000	19.400	24.700	14.800	17.236	0.217	3.677
182	Klamath River U/S Cottonwood Creek	33	9.200	15.200	18.100	20.300	25.700	16.500	17.588	0.230	3.982
189.7	Iron Gate Dam Outflow	34	7.100	15.500	17.700	19.500	22.600	15.500	17.100	0.218	3.668
191	Iron Gate Reservoir	34	10.400	13.400	17.000	19.200	22.900	12.500	16.432	0.221	3.580
203	Kr5 Copco Inflow	19	1.700	8.500	13.900	17.800	19.700	18.000	12.495	0.468	5.687
206	Klamath River U/S Shovel Creek	35	8.900	12.300	14.700	17.400	21.700	12.800	14.909	0.222	3.257
209	Kr4 Klamath River Near Stateline	16	5.200	10.250	15.300	17.400	19.800	14.600	14.094	0.311	4.248
217	Kr3 Sci Salt Caves Site	19	2.000	8.250	14.000	19.000	24.000	22.000	12.963	0.503	6.344
221	Klamath R Bl John C Boyle Pp Nr Keno, Oreg.	65	2.400	8.000	13.000	17.800	23.500	21.100	12.898	0.435	5.562
224	Below Jc Boyle Dam	16	4.000	9.700	15.050	18.700	23.000	19.000	14.356	0.393	5.463
225	Jc Boyle Reservoir At Deepest Point	12	11.200	13.450	17.150	21.550	25.800	14.600	17.558	0.291	4.893
228	Kr1 Above Jcboyle Reservoir	19	0.800	6.100	13.300	19.100	23.000	22.200	12.395	0.545	6.580
234	Klamath River At Keno Bridge (Hwy 66)	124	0.500	6.800	15.500	19.900	26.000	25.500	13.900	0.515	7.129
235	Klamath R. Blw Big Bend Power Pl	26	4.600	17.500	20.500	22.000	28.500	23.900	19.173	0.316	5.948
236	Klamath River At Irrigation Pumphouse	18	4.600	18.000	20.500	22.500	24.500	19.900	19.894	0.223	4.312
238	Klamath River Directly South Of Hill 4315	35	4.600	17.500	20.000	24.500	29.500	24.900	18.889	0.388	7.228
240	Klamath River 1000' D/S Klamath Strait	32	4.600	18.500	23.500	26.250	31.000	26.400	21.709	0.319	6.821
240.5	Klamath Strait 200' D/S Pump Station F (S Chan)	116	2.500	9.500	15.750	20.750	30.000	27.500	15.098	0.480	7.221
241	Klamath River 1000' U/S Klamath Strait	29	4.700	18.250	21.000	25.000	30.000	25.300	20.572	0.311	6.286
244	Klamath River D/S Of North Canal (Midland)	26	4.300	16.500	22.250	24.200	26.500	22.200	20.050	0.293	5.768
245	Klamath River At Miller Island Boat Ramp	28	2.700	14.500	21.250	23.250	28.000	25.300	18.361	0.380	6.849
247	Klamath River At Weyerhaeuser Mill Smokestack	16	17.000	20.000	22.750	24.250	27.500	10.500	22.406	0.140	3.027
248	Klamath River At Hwy 97 Br Se	16	17.000	17.750	21.250	23.750	26.000	9.000	20.938	0.154	3.122
249	Klamath River At Hwy 97 Br Ne	12	2.700	8.600	16.000	21.450	26.500	23.800	15.125	0.529	7.656
250	Klamath River At North End Of Dog Pound Island	43	2.700	17.500	22.000	23.750	28.000	25.300	19.884	0.291	5.719
251	Klamath River At Klad Radio Tower	34	2.800	17.000	19.900	25.000	28.000	25.200	19.468	0.332	6.359
252	Lake Ewauna Between Stps	23	15.000	18.250	22.000	23.000	27.500	12.500	20.957	0.160	3.277
253	421404121480101	178	-2.000	8.400	16.000	20.000	28.000	30.000	14.594	0.481	7.003
254	Link River At Fremont St Bridge	28	1.310	7.115	15.005	17.860	23.250	21.940	12.956	0.486	6.189





**TOTAL KJELDAHL NITROGEN (mg/L as N)**

RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	CV	Std Dev
5	Klamath River At Klamath Glen	138	0.000	0.200	0.300	0.500	58.000	58.000	0.801	6.135	4.896
8	Klamath River South Of Hoopa	18	0.100	0.200	0.250	0.400	0.500	0.400	0.272	0.414	0.110
59	Klamath River At Orleans	23	0.100	0.200	0.200	0.450	0.800	0.700	0.315	0.557	0.172
128	Klamath River Near Seiad Valley	21	0.200	0.450	0.600	0.700	1.800	1.600	0.633	0.532	0.329
149	Klamath R A Klamath R Sch Nr Hamburg Ca	18	0.400	0.500	0.700	1.000	1.600	1.200	0.794	0.413	0.319
189.5	Klamath River Below Iron Gate Dam	95	0.100	0.710	0.900	1.100	1.800	1.700	0.914	0.359	0.326
189.7	Iron Gate Dam Outflow	20	0.500	0.800	1.075	1.450	5.900	5.400	1.379	0.842	1.132
191	Iron Gate Reservoir	51	0.480	0.600	0.730	0.970	1.700	1.220	0.802	0.351	0.278
192	Iron Gate Reservoir	13	0.400	0.700	1.100	1.250	1.500	1.100	0.985	0.359	0.339
197	Copco Dam Outflow	12	0.650	0.770	1.015	1.145	1.350	0.700	0.998	0.239	0.228
198	Klamath River 0611a2	12	0.800	1.150	1.400	1.550	2.000	1.200	1.371	0.227	0.298
199	Copco Reservoir	15	0.530	0.800	1.010	1.110	1.800	1.270	1.047	0.309	0.312
206	Klamath River U/S Shovel Creek	12	0.460	0.755	1.100	1.275	2.000	1.540	1.098	0.400	0.420
221	Klamath R Bl John C Boyle Pp Nr Keno,Oreg.	112	0.300	0.800	1.100	1.400	3.400	3.100	1.114	0.472	0.524
222	Canyon -C	17	0.160	0.180	0.220	0.245	0.595	0.435	0.244	0.447	0.106
224	Below Jc Boyle Dam	17	0.745	0.830	1.140	1.370	1.505	0.760	1.118	0.236	0.256
231	Klamath River Near Keno	39	0.100	1.000	1.500	1.900	7.700	7.600	1.569	0.755	1.170
232	Klamath River D/S Of Keno Dam	34	0.630	0.970	1.410	1.940	3.380	2.750	1.539	0.404	0.613
234	Klamath River At Keno Bridge (Hwy 66)	218	0.050	1.300	1.900	2.600	17.000	16.950	2.076	0.661	1.368
236	Klamath River At Irrigation Pumphouse	25	0.800	1.700	2.500	2.900	4.400	3.600	2.408	0.354	0.834
238	Klamath River Directly South Of Hill 4315	17	1.000	2.250	2.400	2.700	3.900	2.900	2.424	0.266	0.625
239	Klamath River At Powerline Crossing (D/S Strait)	37	0.800	1.600	2.300	2.600	4.200	3.400	2.122	0.381	0.798
240	Klamath River 1000' D/S Klamath Strait	35	0.800	2.000	2.300	2.800	3.200	2.400	2.257	0.296	0.657
240.5	Klamath Strait 200' D/S Pump Station F (S Chan)	159	0.050	2.600	3.000	3.600	10.000	9.950	3.170	0.383	1.210
241	Klamath River 1000' U/S Klamath Strait	31	0.700	1.400	2.000	2.800	5.100	4.400	2.187	0.471	1.014
244	Klamath River D/S Of North Canal (Midland)	21	0.800	1.450	2.100	2.800	3.600	2.800	2.200	0.403	0.866
245	Klamath River At Miller Island Boat Ramp	61	0.800	1.650	2.400	2.700	5.100	4.300	2.289	0.403	0.915
247	Klamath River At Weyerhaeuser Mill Smokestack	15	1.900	2.250	2.400	2.500	5.900	4.000	2.793	0.401	1.083
248	Klamath River At Hwy 97 Br Se	93	0.050	1.000	1.800	2.700	28.700	28.650	2.413	1.406	3.376
249	Klamath River At Hwy 97 Br Ne	14	0.700	1.100	2.150	2.400	3.000	2.300	1.871	0.400	0.721
250	Klamath River At North End Of Dog Pound Island	44	0.700	1.650	2.200	2.700	4.300	3.600	2.257	0.398	0.887
251	Klamath River At Klad Radio Tower	44	0.700	1.650	2.300	3.350	9.400	8.700	2.852	0.709	1.998
252	Lake Ewauna Between Stps	29	0.600	1.800	2.500	3.500	6.300	5.700	2.662	0.557	1.457
253	Link River	198	0.050	1.000	1.950	3.000	5.600	5.550	2.076	0.585	1.212

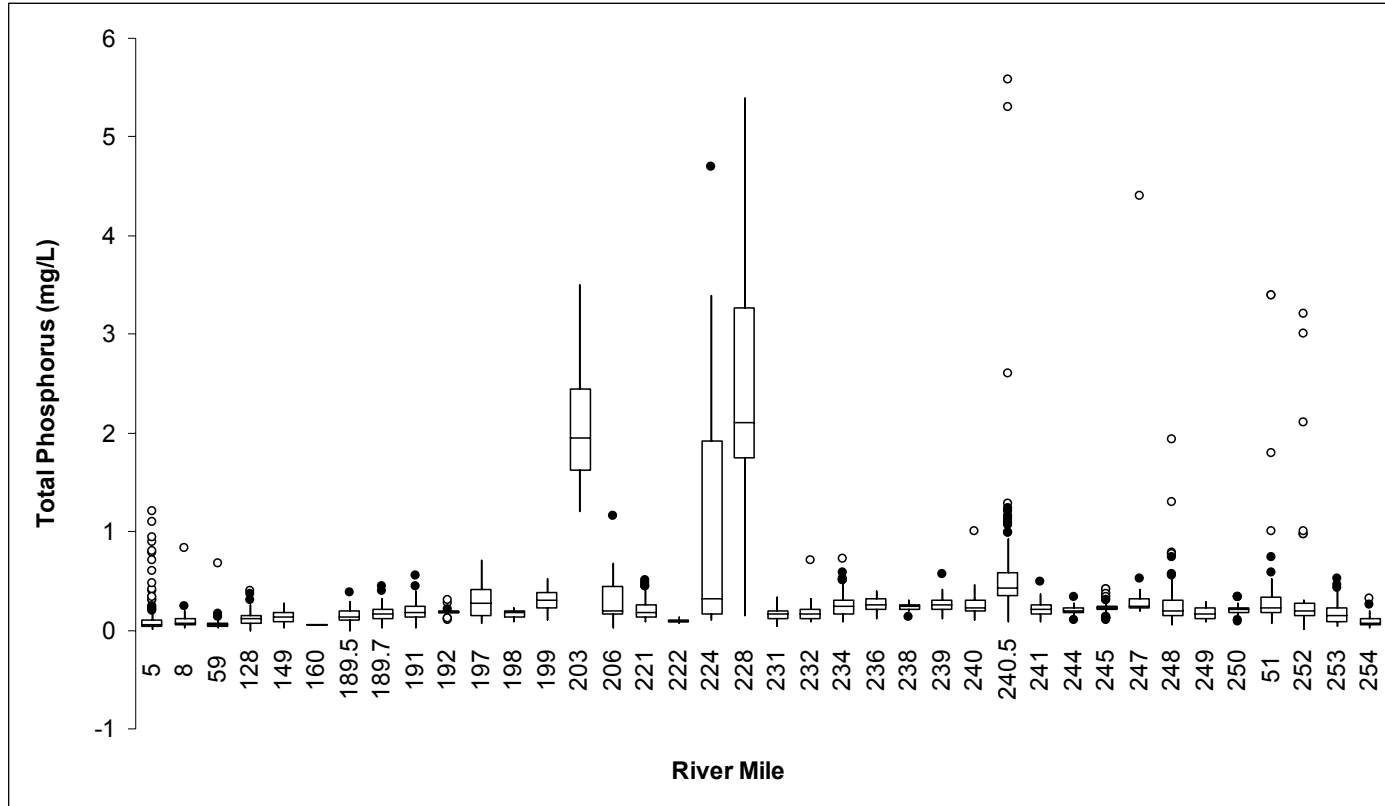


**TOTAL PHOSPHORUS, PT (mg/L)**

RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	CV	Std Dev
5	Klamath River At Klamath Glen	242	0.010	0.040	0.060	0.100	1.200	1.190	0.102	1.594	0.162
8	Klamath River South Of Hoopa	21	0.020	0.045	0.070	0.120	0.830	0.810	0.122	1.403	0.168
59	Klamath River At Orleans	24	0.020	0.040	0.060	0.075	0.670	0.650	0.089	1.458	0.127
128	Klamath River Near Seiad Valley	69	0.000	0.070	0.110	0.150	0.400	0.400	0.118	0.624	0.073
149	Klamath R A Klamath R Sch Nr Hamburg Ca	56	0.030	0.090	0.130	0.180	0.280	0.250	0.135	0.424	0.057
189.5	Klamath River Below Iron Gate Dam	148	0.000	0.100	0.140	0.200	0.380	0.380	0.149	0.421	0.062
189.7	Iron Gate Dam Outflow	20	0.025	0.120	0.165	0.210	0.440	0.415	0.182	0.573	0.102
191	Iron Gate Reservoir	59	0.025	0.128	0.179	0.250	0.550	0.525	0.197	0.477	0.093
192	Iron Gate Reservoir	16	0.096	0.182	0.186	0.194	0.298	0.202	0.186	0.276	0.050
197	Copco Dam Outflow	12	0.074	0.145	0.280	0.425	0.710	0.637	0.324	0.640	0.199
198	Klamath River 0611a2	12	0.090	0.125	0.180	0.190	0.230	0.140	0.163	0.256	0.040
199	Copco Reservoir	16	0.100	0.210	0.300	0.380	0.520	0.420	0.299	0.420	0.121
203	Kr5 Copco Inflow	18	1.200	1.600	1.950	2.500	3.500	2.300	2.022	0.296	0.583
206	Klamath River U/S Shovel Creek	12	0.025	0.160	0.200	0.455	1.160	1.135	0.342	0.920	0.301
221	Klamath R Bl John C Boyle Pp Nr Keno, Oreg.	112	0.080	0.130	0.186	0.250	0.500	0.420	0.197	0.431	0.085
222	Canyon -C	17	0.068	0.085	0.091	0.103	0.127	0.059	0.095	0.173	0.016
224	Below Jc Boyle Dam	32	0.101	0.167	0.321	1.950	4.700	4.599	1.180	1.071	1.243
228	Kr1 Above Jcboyle Reservoir	18	0.150	1.700	2.100	3.300	5.400	5.250	2.492	0.501	1.212
231	Klamath River Near Keno	40	0.040	0.110	0.160	0.200	0.330	0.290	0.165	0.435	0.071
232	Klamath River D/S Of Keno Dam	35	0.086	0.121	0.160	0.212	0.710	0.624	0.183	0.592	0.107
234	Klamath River At Keno Bridge (Hwy 66)	217	0.090	0.170	0.236	0.300	0.724	0.634	0.242	0.406	0.098
236	Klamath River At Irrigation Pumphouse	24	0.120	0.210	0.255	0.315	0.390	0.270	0.256	0.296	0.074
238	Klamath River Directly South Of Hill 4315	16	0.130	0.215	0.240	0.260	0.300	0.170	0.237	0.173	0.040
239	Klamath River At Powerline Crossing (D/S Strait)	35	0.110	0.210	0.250	0.340	0.560	0.450	0.259	0.387	0.099
240	Klamath River 1000' D/S Klamath Strait	33	0.100	0.190	0.230	0.305	1.000	0.900	0.268	0.589	0.155
240.5	Klamath Strait 200' D/S Pump Station F (S Chan)	229	0.080	0.345	0.430	0.580	5.574	5.494	0.526	1.002	0.526
241	Klamath River 1000' U/S Klamath Strait	32	0.080	0.170	0.210	0.250	0.490	0.410	0.220	0.373	0.081
244	Klamath River D/S Of North Canal (Midland)	21	0.100	0.175	0.200	0.230	0.340	0.240	0.206	0.245	0.049
245	Klamath River At Miller Island Boat Ramp	65	0.100	0.210	0.220	0.240	0.420	0.320	0.228	0.277	0.063
247	Klamath River At Weyerhaeuser Mill Smokestack	16	0.200	0.225	0.240	0.348	4.405	4.205	0.538	1.926	1.002
248	Klamath River At Hwy 97 Br Se	115	0.050	0.149	0.200	0.300	1.930	1.880	0.259	0.899	0.232
249	Klamath River At Hwy 97 Br Ne	14	0.090	0.120	0.160	0.230	0.290	0.200	0.179	0.378	0.065
250	Klamath River At North End Of Dog Pound Island	41	0.080	0.180	0.210	0.235	0.340	0.260	0.209	0.260	0.054
251	Klamath River At Klad Radio Tower	43	0.070	0.180	0.220	0.340	3.400	3.330	0.446	1.617	0.713

**TOTAL PHOSPHORUS, PT (mg/L)**

RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	CV	Std Dev
252	Lake Ewauna Between Stps	30	0.010	0.150	0.200	0.280	3.200	3.190	0.520	1.570	0.803
253	421404121480101	189	0.036	0.090	0.150	0.224	0.516	0.480	0.167	0.546	0.091
254	Link River At Fremont St Bridge	66	0.019	0.049	0.072	0.115	0.322	0.303	0.086	0.630	0.054

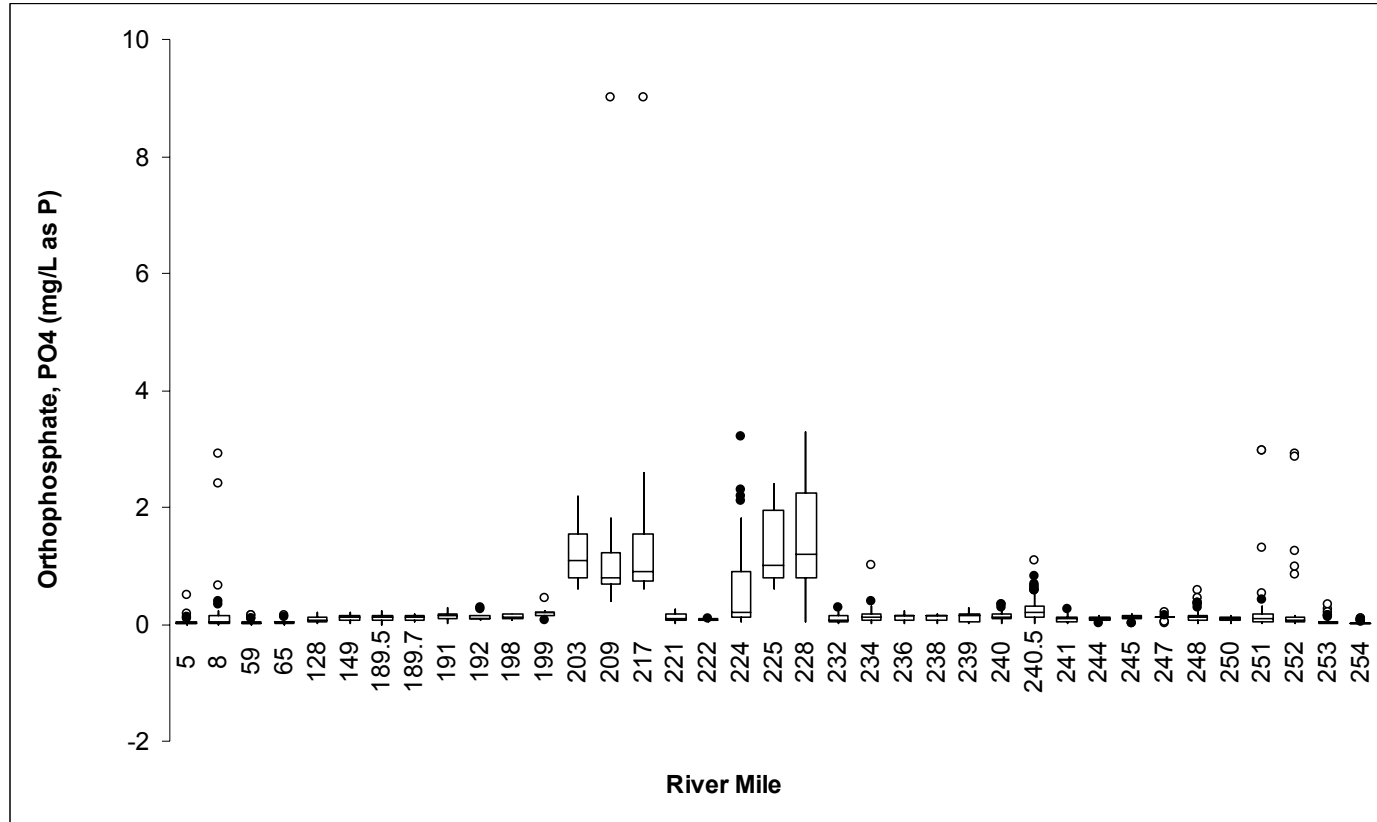


**ORTHOPHOSPHATE PHOSPHORUS, PO4 (mg/L as P)**

RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	CV	Std Dev
5	Klamath River At Klamath Glen	108	0.000	0.010	0.020	0.040	0.500	0.500	0.032	1.584	0.051
8	Klamath River South Of Hoopa	31	0.000	0.020	0.030	0.170	2.900	2.900	0.256	2.573	0.647
59	Klamath River At Orleans	26	0.000	0.010	0.025	0.040	0.150	0.150	0.037	1.107	0.040
65	Klamath River Below Salmon River	11	0.000	0.020	0.030	0.050	0.150	0.150	0.047	1.019	0.046
128	Klamath River Near Seiad Valley	90	0.010	0.050	0.080	0.120	0.190	0.180	0.082	0.554	0.045
149	Klamath R A Klamath R Sch Nr Hamburg Ca	71	0.010	0.070	0.110	0.150	0.200	0.190	0.105	0.475	0.049
189.5	Klamath River Below Iron Gate Dam	138	0.000	0.070	0.110	0.150	0.240	0.240	0.106	0.482	0.051
189.7	Iron Gate Dam Outflow	12	0.040	0.073	0.124	0.143	0.165	0.125	0.110	0.383	0.040
191	Iron Gate Reservoir	55	0.017	0.096	0.141	0.180	0.295	0.278	0.136	0.468	0.063
192	Iron Gate Reservoir	16	0.066	0.094	0.107	0.142	0.278	0.212	0.128	0.467	0.058
198	Klamath River 0611a2	12	0.055	0.083	0.125	0.167	0.185	0.130	0.123	0.360	0.043
199	Copco Reservoir	12	0.060	0.145	0.200	0.210	0.440	0.380	0.190	0.500	0.091
203	Kr5 Copco Inflow	19	0.600	0.800	1.100	1.600	2.200	1.600	1.174	0.417	0.477
209	Kr4 Klamath River Near Stateline	16	0.400	0.650	0.800	1.250	9.000	8.600	1.419	1.454	1.997
217	Kr3 Sci Salt Caves Site	19	0.600	0.700	0.900	1.600	9.000	8.400	1.558	1.212	1.838
221	Klamath R Bl John C Boyle Pp Nr Keno,Oreg.	116	0.014	0.070	0.104	0.165	0.244	0.230	0.114	0.498	0.056
222	Canyon -C	17	0.049	0.065	0.072	0.082	0.102	0.053	0.073	0.190	0.014
224	Below Jc Boyle Dam	33	0.053	0.117	0.214	0.950	3.200	3.147	0.686	1.199	0.811
225	Jc Boyle Reservoir At Deepest Point	10	0.600	0.800	1.000	2.000	2.400	1.800	1.330	0.520	0.656
228	Kr1 Above Jcboyle Reservoir	19	0.040	0.800	1.200	2.300	3.300	3.260	1.396	0.633	0.860
232	Klamath River D/S Of Keno Dam	35	0.019	0.050	0.076	0.136	0.274	0.255	0.098	0.615	0.059
234	Klamath River At Keno Bridge (Hwy 66)	213	0.008	0.068	0.123	0.170	1.010	1.002	0.129	0.732	0.094
236	Klamath River At Irrigation Pumphouse	25	0.016	0.062	0.150	0.161	0.235	0.219	0.128	0.491	0.062
238	Klamath River Directly South Of Hill 4315	18	0.023	0.053	0.144	0.158	0.173	0.150	0.119	0.457	0.053
239	Klamath River At Powerline Crossing (D/S Strait)	33	0.011	0.025	0.152	0.181	0.292	0.281	0.129	0.730	0.093
240	Klamath River 1000' D/S Klamath Strait	31	0.015	0.077	0.123	0.166	0.326	0.311	0.138	0.594	0.080
240.5	Klamath Strait 200' D/S Pump Station F (S Chan)	191	0.014	0.133	0.214	0.312	1.100	1.086	0.245	0.647	0.158
241	Klamath River 1000' U/S Klamath Strait	31	0.003	0.032	0.095	0.118	0.247	0.244	0.083	0.690	0.056
244	Klamath River D/S Of North Canal (Midland)	21	0.001	0.070	0.099	0.120	0.142	0.141	0.090	0.436	0.038
245	Klamath River At Miller Island Boat Ramp	50	0.006	0.084	0.113	0.135	0.168	0.162	0.105	0.445	0.046
247	Klamath River At Weyerhaeuser Mill Smokestack	16	0.015	0.107	0.114	0.122	0.200	0.185	0.105	0.433	0.044
248	Klamath River At Hwy 97 Br Se	93	0.005	0.070	0.109	0.150	0.570	0.565	0.127	0.719	0.091
250	Klamath River At North End Of Dog Pound Island	34	0.006	0.055	0.090	0.109	0.149	0.143	0.078	0.530	0.041
251	Klamath River At Klad Radio Tower	33	0.006	0.051	0.103	0.196	2.960	2.954	0.328	2.193	0.707

**ORTHOPHOSPHATE PHOSPHORUS, PO4 (mg/L as P)**

RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	CV	Std Dev
252	Lake Ewauna Between Stps	31	0.005	0.036	0.058	0.110	2.910	2.905	0.333	2.233	0.731
253	421404121480101	169	0.003	0.012	0.032	0.052	0.342	0.339	0.040	1.035	0.041
254	Link River At Fremont St Bridge	60	0.003	0.008	0.011	0.023	0.083	0.080	0.019	1.050	0.020

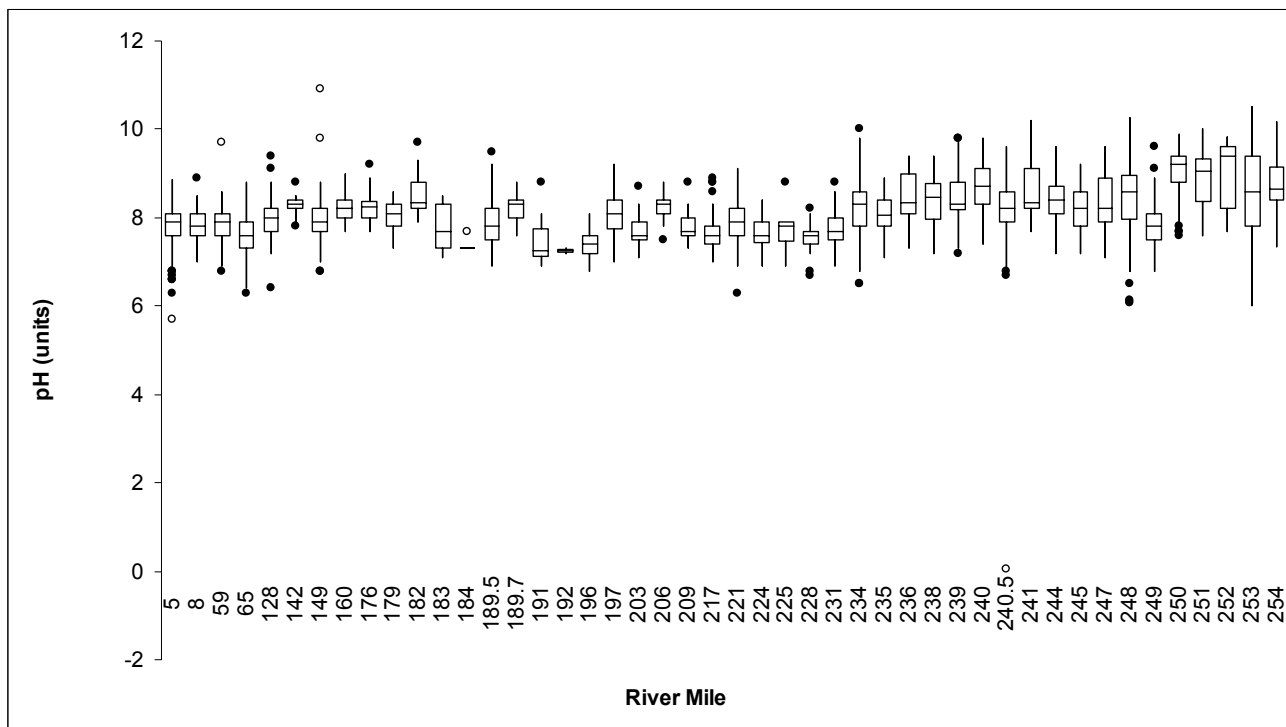


**PH (units)**

RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	CV	Std Dev
5	Klamath River At Klamath Glen	739	5.700	7.600	7.900	8.100	8.850	3.150	7.836	0.051	0.399
8	Klamath River South Of Hoopa	240	7.000	7.600	7.800	8.100	8.900	1.900	7.813	0.043	0.332
59	Klamath River At Orleans	554	6.800	7.600	7.900	8.100	9.700	2.900	7.839	0.040	0.310
65	Klamath River Below Salmon River	97	6.300	7.300	7.600	7.900	8.800	2.500	7.581	0.063	0.474
128	Klamath River Near Seiad Valley	532	6.400	7.700	8.000	8.200	9.400	3.000	7.961	0.041	0.325
142	Klamath River D/S Scott River	33	7.800	8.200	8.300	8.400	8.800	1.000	8.297	0.024	0.196
149	Klamath R A Klamath R Sch Nr Hamburg Ca	513	6.800	7.700	7.900	8.200	10.900	4.100	7.950	0.046	0.363
160	Klamath River D/S Beaver Creek	33	7.700	8.000	8.200	8.400	9.000	1.300	8.215	0.032	0.261
176	Klamath River D/S Shasta River	34	7.700	8.000	8.250	8.400	9.200	1.500	8.244	0.038	0.313
179	Klamath R At R Collier Rest Stop	32	7.300	7.800	8.100	8.300	8.600	1.300	8.028	0.044	0.344
182	Klamath River U/S Cottonwood Creek	34	7.900	8.200	8.350	8.800	9.700	1.800	8.532	0.050	0.421
183	Klamath Riv Nr Henley	82	7.100	7.300	7.700	8.300	8.500	1.400	7.766	0.058	0.446
189.5	Klamath River Below Iron Gate Dam	514	6.900	7.500	7.800	8.200	9.500	2.600	7.825	0.055	0.429
189.7	Iron Gate Dam Outflow	35	7.600	8.000	8.300	8.400	8.800	1.200	8.203	0.039	0.313
191	Iron Gate Reservoir	14	6.900	7.100	7.250	7.850	8.800	1.900	7.450	0.072	0.514
196	Klamath River Below Fall Creek (Pre Dam)	108	6.800	7.200	7.400	7.600	8.100	1.300	7.389	0.041	0.304
197	Copco Dam Outflow	35	7.000	7.700	8.100	8.400	9.200	2.200	8.126	0.058	0.464
203	Kr5 Copco Inflow	35	7.100	7.500	7.600	7.900	8.700	1.600	7.711	0.046	0.346
206	Klamath River U/S Shovel Creek	36	7.500	8.100	8.300	8.400	8.800	1.300	8.250	0.031	0.250
209	Kr4 Klamath River Near Stateline	31	7.300	7.600	7.700	8.000	8.800	1.500	7.813	0.043	0.328
217	Kr3 Sci Salt Caves Site	37	7.000	7.400	7.600	7.850	8.900	1.900	7.732	0.059	0.450
221	Klamath R Bl John C Boyle Pp Nr Keno,Oreg.	221	6.300	7.600	7.900	8.200	9.100	2.800	7.948	0.052	0.411
224	Below Jc Boyle Dam	31	6.900	7.450	7.600	7.900	8.400	1.500	7.626	0.047	0.353
225	Jc Boyle Reservoir At Deepest Point	12	6.900	7.450	7.800	7.900	8.800	1.900	7.708	0.060	0.446
228	Kr1 Above Jcboyle Reservoir	37	6.700	7.400	7.600	7.700	8.200	1.500	7.559	0.042	0.317
231	Klamath River Near Keno	106	6.900	7.500	7.700	8.000	8.800	1.900	7.728	0.052	0.400
234	Klamath River At Keno Bridge (Hwy 66)	487	6.500	7.800	8.300	8.600	10.000	3.500	8.230	0.073	0.601
235	Klamath R,Blw Big Bend Power Pl	33	7.100	7.800	8.050	8.450	8.900	1.800	8.089	0.052	0.411
236	Klamath River At Irrigation Pumphouse	26	7.300	8.100	8.350	9.000	9.400	2.100	8.454	0.067	0.556
238	Klamath River Directly South Of Hill 4315	20	7.200	7.900	8.450	8.850	9.400	2.200	8.390	0.077	0.628
239	Klamath River At Powerline Crossing (D/S Strait)	117	7.200	8.190	8.300	8.850	9.800	2.600	8.515	0.062	0.524
240	Klamath River 1000' D/S Klamath Strait	36	7.400	8.300	8.700	9.100	9.800	2.400	8.681	0.063	0.539
240.5	Klamath Strait 200' D/S Pump Station F (S Chan)	277	0.050	7.900	8.200	8.600	9.600	9.550	8.223	0.090	0.737
241	Klamath River 1000' U/S Klamath Strait	107	7.700	8.220	8.350	9.100	10.200	2.500	8.664	0.069	0.593

**PH (units)**

RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	CV	Std Dev
244	Klamath River D/S Of North Canal (Midland)	50	7.200	8.100	8.400	8.700	9.600	2.400	8.380	0.065	0.541
245	Klamath River At Miller Island Boat Ramp	81	7.200	7.800	8.200	8.600	9.200	2.000	8.202	0.060	0.486
247	Klamath River At Weyerhaeuser Mill Smokestack	33	7.100	7.900	8.200	8.900	9.600	2.500	8.297	0.083	0.677
248	Klamath River At Hwy 97 Br Se	411	6.060	7.980	8.570	8.950	10.260	4.200	8.412	0.083	0.693
249	Klamath River At Hwy 97 Br Ne	30	6.800	7.500	7.800	8.100	9.600	2.800	7.880	0.082	0.637
250	Klamath River At North End Of Dog Pound Island	220	7.600	8.800	9.200	9.400	9.900	2.300	9.051	0.055	0.497
251	Klamath River At Klad Radio Tower	40	7.600	8.350	9.050	9.350	10.000	2.400	8.870	0.073	0.641
252	Lake Ewauna Between Stps	223	7.700	8.200	9.400	9.600	9.820	2.120	9.000	0.076	0.683
253	421404121480101	341	6.000	7.800	8.600	9.400	10.500	4.500	8.569	0.106	0.907
254	Link River At Fremont St Bridge	28	7.340	8.375	8.635	9.215	10.180	2.840	8.728	0.082	0.705



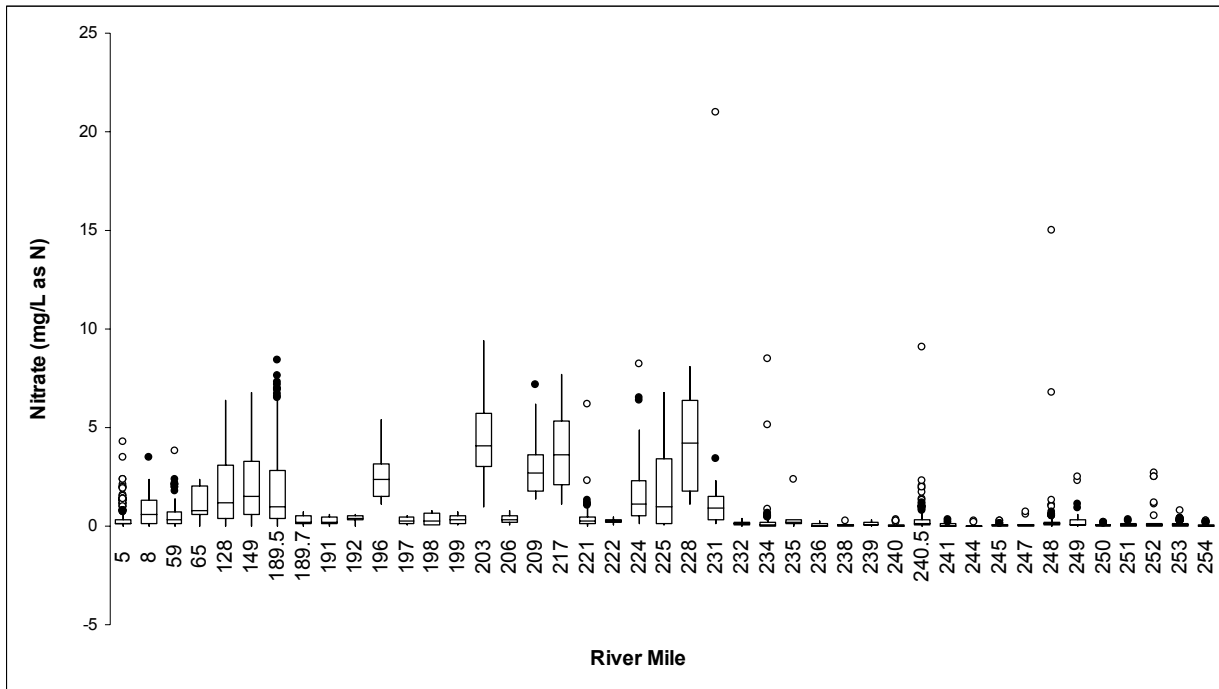


**NITRATE NITROGEN, NO3 (mg/L as N)**

RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	CV	Std Dev
5	Klamath River At Klamath Glen	305	0.000	0.100	0.100	0.300	4.300	4.300	0.335	1.643	0.549
8	Klamath River South Of Hoopa	84	0.000	0.100	0.600	1.300	3.500	3.500	0.798	0.930	0.738
59	Klamath River At Orleans	75	0.000	0.100	0.300	0.700	3.800	3.800	0.601	1.223	0.730
65	Klamath River Below Salmon River	16	0.000	0.550	0.800	2.050	2.400	2.400	1.088	0.711	0.749
128	Klamath River Near Seiad Valley	154	0.000	0.400	1.200	3.100	6.400	6.400	1.807	0.962	1.732
149	Klamath R A Klamath R Sch Nr Hamburg Ca	199	0.000	0.600	1.500	3.300	6.800	6.800	2.102	0.838	1.756
189.5	Klamath River Below Iron Gate Dam	253	0.000	0.400	1.000	2.900	8.400	8.400	1.912	1.052	2.008
189.7	Iron Gate Dam Outflow	22	0.000	0.090	0.195	0.520	0.740	0.740	0.316	0.792	0.244
191	Iron Gate Reservoir	57	0.020	0.100	0.220	0.480	0.600	0.580	0.275	0.703	0.192
192	Iron Gate Reservoir	12	0.020	0.245	0.425	0.550	0.580	0.560	0.383	0.545	0.200
196	Klamath River Below Fall Creek (Pre Dam)	24	1.100	1.500	2.400	3.300	5.400	4.300	2.646	0.500	1.296
197	Copco Dam Outflow	12	0.040	0.105	0.255	0.480	0.550	0.510	0.279	0.691	0.185
198	Klamath River 0611a2	14	0.040	0.070	0.283	0.670	0.770	0.730	0.360	0.812	0.282
199	Copco Reservoir	11	0.040	0.110	0.300	0.540	0.700	0.660	0.339	0.727	0.235
203	Kr5 Copco Inflow	19	1.000	2.900	4.100	5.900	9.400	8.400	4.447	0.500	2.164
206	Klamath River U/S Shovel Creek	12	0.040	0.175	0.305	0.555	0.800	0.760	0.370	0.683	0.242
209	Kr4 Klamath River Near Stateline	16	1.400	1.750	2.700	3.800	7.200	5.800	3.163	0.571	1.747
217	Kr3 Sci Salt Caves Site	19	1.100	2.000	3.600	5.400	7.700	6.600	3.805	0.522	1.935
221	Klamath R Bl John C Boyle Pp Nr Keno, Oreg.	226	0.010	0.100	0.240	0.490	6.200	6.190	0.353	1.411	0.497
222	Canyon -C	17	0.090	0.170	0.260	0.350	0.430	0.340	0.260	0.381	0.096
224	Below Jc Boyle Dam	33	0.100	0.470	1.100	2.700	8.200	8.100	1.979	1.087	2.119
225	Jc Boyle Reservoir At Deepest Point	22	0.040	0.130	1.000	3.700	6.800	6.760	1.929	1.173	2.210
228	Kr1 Above Jcboyle Reservoir	19	1.100	1.800	4.200	6.500	8.100	7.000	4.184	0.573	2.333
231	Klamath River Near Keno	42	0.100	0.300	0.900	1.500	21.000	20.900	1.437	2.217	3.147
232	Klamath River D/S Of Keno Dam	34	0.020	0.060	0.105	0.220	0.420	0.400	0.144	0.785	0.111
234	Klamath River At Keno Bridge (Hwy 66)	400	0.010	0.020	0.070	0.200	8.500	8.490	0.160	3.142	0.503
235	Klamath R. Blw Big Bend Power Pl	13	0.020	0.110	0.170	0.320	2.400	2.380	0.348	1.794	0.601
236	Klamath River At Irrigation Pumphouse	18	0.020	0.020	0.030	0.189	0.278	0.258	0.086	1.117	0.093
238	Klamath River Directly South Of Hill 4315	10	0.020	0.030	0.050	0.050	0.283	0.263	0.065	1.190	0.074
239	Klamath River At Powerline Crossing (D/S Strait)	28	0.020	0.040	0.065	0.206	0.330	0.310	0.117	0.886	0.102
240	Klamath River 1000' D/S Klamath Strait	26	0.020	0.020	0.030	0.060	0.340	0.320	0.077	1.261	0.095
240.5	Klamath Strait 200' D/S Pump Station F (S Chan)	265	0.020	0.070	0.160	0.365	9.110	9.090	0.306	2.094	0.640
241	Klamath River 1000' U/S Klamath Strait	24	0.020	0.020	0.030	0.105	0.320	0.300	0.072	1.116	0.079
244	Klamath River D/S Of North Canal (Midland)	13	0.020	0.020	0.020	0.030	0.246	0.226	0.054	1.418	0.073

**NITRATE NITROGEN, NO3 (mg/L as N)**

RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	CV	Std Dev
245	Klamath River At Miller Island Boat Ramp	54	0.020	0.020	0.040	0.060	0.250	0.230	0.053	0.924	0.049
247	Klamath River At Weyerhaeuser Mill Smokestack	12	0.020	0.025	0.045	0.055	0.750	0.730	0.141	1.746	0.235
248	Klamath River At Hwy 97 Br Se	269	0.010	0.050	0.110	0.230	15.000	14.990	0.251	3.999	1.002
249	Klamath River At Hwy 97 Br Ne	30	0.020	0.050	0.080	0.340	2.500	2.480	0.349	1.774	0.608
250	Klamath River At North End Of Dog Pound Island	40	0.020	0.030	0.040	0.080	0.230	0.210	0.064	0.752	0.048
251	Klamath River At Klad Radio Tower	43	0.020	0.030	0.050	0.105	0.320	0.300	0.082	0.885	0.072
252	Lake Ewauna Between Stps	27	0.020	0.030	0.050	0.160	2.700	2.680	0.430	1.926	0.812
253	421404121480101	291	0.005	0.020	0.040	0.120	0.760	0.755	0.089	1.088	0.097
254	Link River At Fremont St Bridge	62	0.005	0.005	0.014	0.057	0.270	0.265	0.047	1.476	0.068

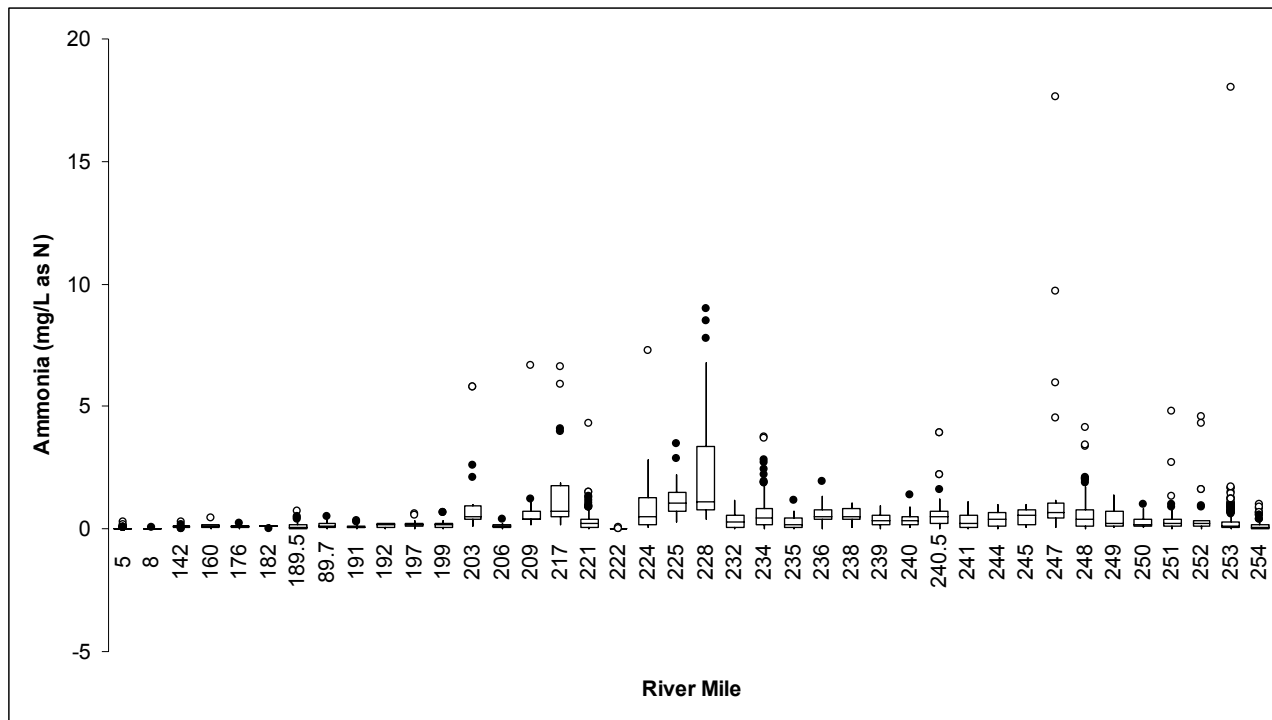


**AMMONIA NITROGEN, NH3 (mg/L as N)**

RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	CV	Std Dev
5	Klamath River At Klamath Glen	168	0.000	0.010	0.020	0.030	0.290	0.290	0.025	1.248	0.032
8	Klamath River South Of Hoopa	18	0.000	0.000	0.010	0.030	0.070	0.070	0.017	1.252	0.020
142	Klamath River D/S Scott River	16	0.025	0.080	0.100	0.110	0.260	0.235	0.102	0.519	0.051
160	Klamath River D/S Beaver Creek	16	0.025	0.070	0.100	0.155	0.430	0.405	0.123	0.798	0.095
176	Klamath River D/S Shasta River	16	0.025	0.080	0.100	0.150	0.230	0.205	0.111	0.547	0.059
182	Klamath River U/S Cottonwood Creek	14	0.025	0.100	0.115	0.150	0.180	0.155	0.120	0.392	0.045
189.5	Klamath River Below Iron Gate Dam	53	0.000	0.030	0.080	0.185	0.740	0.740	0.136	1.135	0.153
189.7	Iron Gate Dam Outflow	28	0.015	0.085	0.130	0.235	0.480	0.465	0.167	0.696	0.114
191	Iron Gate Reservoir	54	0.010	0.040	0.090	0.150	0.330	0.320	0.113	0.753	0.085
192	Iron Gate Reservoir	12	0.030	0.070	0.190	0.210	0.220	0.190	0.153	0.499	0.073
197	Copco Dam Outflow	30	0.025	0.110	0.180	0.230	0.590	0.565	0.195	0.662	0.127
199	Copco Reservoir	19	0.030	0.080	0.200	0.250	0.690	0.660	0.209	0.900	0.184
203	Kr5 Copco Inflow	19	0.100	0.400	0.500	1.000	5.800	5.700	1.232	1.403	1.682
206	Klamath River U/S Shovel Creek	24	0.025	0.070	0.100	0.170	0.420	0.395	0.133	0.687	0.089
209	Kr4 Klamath River Near Stateline	16	0.200	0.400	0.400	0.700	6.700	6.500	0.913	1.720	1.519
217	Kr3 Sci Salt Caves Site	19	0.200	0.500	0.700	1.900	6.600	6.400	1.684	1.165	1.910
221	Klamath R Bl John C Boyle Pp Nr Keno, Oreg.	162	0.010	0.080	0.205	0.400	4.300	4.290	0.325	1.342	0.434
222	Canyon -C	17	0.005	0.005	0.005	0.005	0.040	0.035	0.009	1.070	0.009
224	Below Jc Boyle Dam	33	0.040	0.160	0.500	1.300	7.300	7.260	0.960	1.453	1.373
225	Jc Boyle Reservoir At Deepest Point	12	0.300	0.650	1.050	1.750	3.500	3.200	1.342	0.752	0.966
228	Kr1 Above Jcboyle Reservoir	19	0.400	0.800	1.100	3.700	9.000	8.600	2.700	1.097	2.882
232	Klamath River D/S Of Keno Dam	35	0.030	0.080	0.280	0.590	1.150	1.120	0.388	0.871	0.333
234	Klamath River At Keno Bridge (Hwy 66)	285	0.010	0.160	0.450	0.850	3.750	3.740	0.582	0.979	0.569
235	Klamath R. Blw Big Bend Power Pl	12	0.020	0.080	0.175	0.460	1.140	1.120	0.319	1.060	0.324
236	Klamath River At Irrigation Pumphouse	22	0.030	0.380	0.525	0.810	1.960	1.930	0.625	0.701	0.428
238	Klamath River Directly South Of Hill 4315	15	0.040	0.380	0.530	0.980	1.030	0.990	0.563	0.586	0.318
239	Klamath River At Powerline Crossing (D/S Strait)	32	0.030	0.195	0.315	0.550	0.970	0.940	0.389	0.725	0.278
240	Klamath River 1000' D/S Klamath Strait	32	0.050	0.175	0.320	0.500	1.370	1.320	0.390	0.768	0.295
240.5	Klamath Strait 200' D/S Pump Station F (S Chan)	102	0.020	0.250	0.485	0.750	3.910	3.890	0.607	1.025	0.619
241	Klamath River 1000' U/S Klamath Strait	26	0.030	0.050	0.215	0.580	1.090	1.060	0.314	0.970	0.298
244	Klamath River D/S Of North Canal (Midland)	18	0.020	0.100	0.415	0.680	0.980	0.960	0.412	0.798	0.320
245	Klamath River At Miller Island Boat Ramp	36	0.040	0.145	0.560	0.785	1.010	0.970	0.507	0.635	0.318
247	Klamath River At Weyerhaeuser Mill Smokestack	21	0.070	0.405	0.690	1.095	17.621	17.551	2.277	1.861	4.135
248	Klamath River At Hwy 97 Br Se	194	0.010	0.130	0.370	0.810	4.150	4.140	0.559	1.099	0.612

**AMMONIA NITROGEN, NH3 (mg/L as N)**

RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	CV	Std Dev
249	Klamath River At Hwy 97 Br Ne	23	0.040	0.100	0.220	0.730	1.380	1.340	0.426	0.907	0.378
250	Klamath River At North End Of Dog Pound Island	41	0.060	0.105	0.200	0.420	1.000	0.940	0.295	0.788	0.230
251	Klamath River At Klad Radio Tower	42	0.030	0.140	0.220	0.420	4.800	4.770	0.489	1.686	0.814
252	Lake Ewauna Between Stps	29	0.020	0.105	0.220	0.330	4.600	4.580	0.623	1.822	1.116
253	421404121480101	207	0.010	0.060	0.100	0.285	18.000	17.990	0.355	3.618	1.283
254	Link River At Fremont St Bridge	61	0.005	0.013	0.045	0.155	1.020	1.015	0.158	1.544	0.242



**DISSOLVED OXYGEN, DOCON (mg/L)**

RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	CV	Std Dev
5	Klamath River At Klamath Glen	479	0.100	9.500	10.600	11.700	14.700	14.600	10.552	0.143	1.512
8	Klamath River South Of Hoopa	149	8.000	9.500	10.800	11.800	14.000	6.000	10.755	0.138	1.478
59	Klamath River At Orleans	319	7.700	9.700	11.000	12.300	14.800	7.100	11.103	0.144	1.594
65	Klamath River Below Salmon River	90	7.200	9.200	10.550	12.000	14.200	7.000	10.694	0.154	1.641
128	Klamath River Near Seiad Valley	386	7.500	9.800	10.700	11.700	14.100	6.600	10.731	0.125	1.336
142	Klamath River D/S Scott River	33	7.000	8.950	9.400	10.100	12.200	5.200	9.542	0.111	1.045
149	Klamath R A Klamath R Sch Nr Hamburg Ca	282	4.500	9.400	10.500	11.500	14.000	9.500	10.440	0.146	1.525
160	Klamath River D/S Beaver Creek	33	6.900	8.700	9.300	10.200	10.800	3.900	9.397	0.102	0.946
176	Klamath River D/S Shasta River	34	7.200	8.200	8.700	9.500	11.200	4.000	8.909	0.104	0.912
179	Klamath R At R Collier Rest Stop	29	6.600	7.500	8.500	10.950	13.500	6.900	9.359	0.223	2.048
182	Klamath River U/S Cottonwood Creek	34	7.700	8.800	10.150	11.400	14.200	6.500	10.329	0.173	1.756
183	Klamath Riv Nr Henley	82	7.000	9.600	10.650	11.600	13.000	6.000	10.433	0.147	1.529
184	Klamath Riv At Klamathon Br	5	10.700	10.700	10.800	11.550	11.700	1.000	11.060	0.042	0.413
189.5	Klamath River Below Iron Gate Dam	357	5.000	8.900	10.200	11.500	15.800	10.800	10.117	0.186	1.879
189.7	Iron Gate Dam Outflow	35	6.000	7.400	8.100	9.400	10.800	4.800	8.291	0.152	1.241
191	Iron Gate Reservoir	22	1.200	4.400	6.000	9.000	11.600	10.400	6.455	0.488	3.077
192	Iron Gate Reservoir	11	1.400	5.600	7.200	9.800	11.400	10.000	7.318	0.465	3.246
196	Klamath River Below Fall Creek (Pre Dam)	15	4.700	6.200	7.500	8.300	9.000	4.300	7.193	0.175	1.214
197	Copco Dam Outflow	35	5.600	6.800	7.900	9.350	10.200	4.600	8.111	0.167	1.336
199	Copco Reservoir	16	0.000	1.650	6.500	9.400	12.000	12.000	5.888	0.741	4.225
203	Kr5 Copco Inflow	19	7.500	8.300	9.200	9.800	11.200	3.700	9.184	0.110	0.982
206	Klamath River U/S Shovel Creek	36	8.200	8.950	9.500	10.000	10.800	2.600	9.458	0.078	0.725
209	Kr4 Klamath River Near Stateline	16	7.900	8.200	8.950	9.800	10.800	2.900	9.000	0.100	0.875
217	Kr3 Sci Salt Caves Site	19	8.100	8.400	9.200	10.100	10.900	2.800	9.274	0.096	0.868
221	Klamath R Bl John C Boyle Pp Nr Keno,Oreg.	189	3.400	8.500	9.200	10.400	12.800	9.400	9.428	0.153	1.436
224	Below Jc Boyle Dam	16	7.200	8.050	8.200	9.250	12.400	5.200	8.838	0.160	1.367
228	Kr1 Above Jcboyle Reservoir	19	7.400	8.000	8.500	10.200	11.100	3.700	8.921	0.131	1.140
231	Klamath River Near Keno	81	4.500	8.300	9.200	10.750	14.000	9.500	9.547	0.166	1.575
234	Klamath River At Keno Bridge (Hwy 66)	818	0.300	5.100	7.900	10.500	22.000	21.700	7.997	0.474	3.791
235	Klamath R.Blw Big Bend Power Pl	27	7.000	8.300	9.000	11.400	15.000	8.000	10.026	0.230	2.258
236	Klamath River At Irrigation Pumphouse	29	0.100	2.550	5.200	8.300	10.500	10.400	5.483	0.599	3.227
238	Klamath River Directly South Of Hill 4315	25	0.100	1.850	4.200	7.200	13.000	12.900	4.816	0.763	3.601
239	Klamath River At Powerline Crossing (D/S Strait)	157	0.000	4.350	7.800	11.800	18.500	18.500	8.220	0.554	4.539
240	Klamath River 1000' D/S Klamath Strait	44	0.100	4.300	7.250	9.750	15.800	15.700	7.193	0.573	4.076

**DISSOLVED OXYGEN, DOCON (mg/L)**

RM	Location	N	Minimum	25%ile	Median	75%ile	Maximum	Range	Mean	CV	Std Dev
240.5	Klamath Strait 200' D/S Pump Station F (S Chan)	250	0.300	4.000	6.250	8.500	15.300	15.000	6.387	0.484	3.088
241	Klamath River 1000' U/S Klamath Strait	159	0.300	5.800	8.600	11.600	22.700	22.400	8.988	0.451	4.040
244	Klamath River D/S Of North Canal (Midland)	146	1.400	5.900	8.600	10.800	16.500	15.100	8.278	0.393	3.243
245	Klamath River At Miller Island Boat Ramp	85	0.200	2.100	3.200	8.000	14.000	13.800	4.599	0.728	3.329
247	Klamath River At Weyerhaeuser Mill Smokestack	30	0.100	0.600	1.350	7.100	17.000	16.900	3.980	1.115	4.363
248	Klamath River At Hwy 97 Br Se	419	0.000	2.100	3.900	7.800	16.400	16.400	4.968	0.709	3.520
249	Klamath River At Hwy 97 Br Ne	26	0.500	3.200	7.000	9.400	13.000	12.500	6.462	0.560	3.551
250	Klamath River At North End Of Dog Pound Island	631	2.000	6.450	8.600	10.300	19.900	17.900	8.589	0.341	2.929
251	Klamath River At Klad Radio Tower	47	2.400	4.700	6.600	8.900	19.100	16.700	7.196	0.448	3.192
252	Lake Ewauna Between Stps	371	2.400	5.600	6.900	8.500	13.000	10.600	6.991	0.301	2.103
253	421404121480101	296	3.300	7.700	9.000	10.300	16.000	12.700	8.983	0.225	2.016
254	Link River At Fremont St Bridge	28	5.370	8.255	9.765	10.515	12.770	7.400	9.484	0.185	1.726

