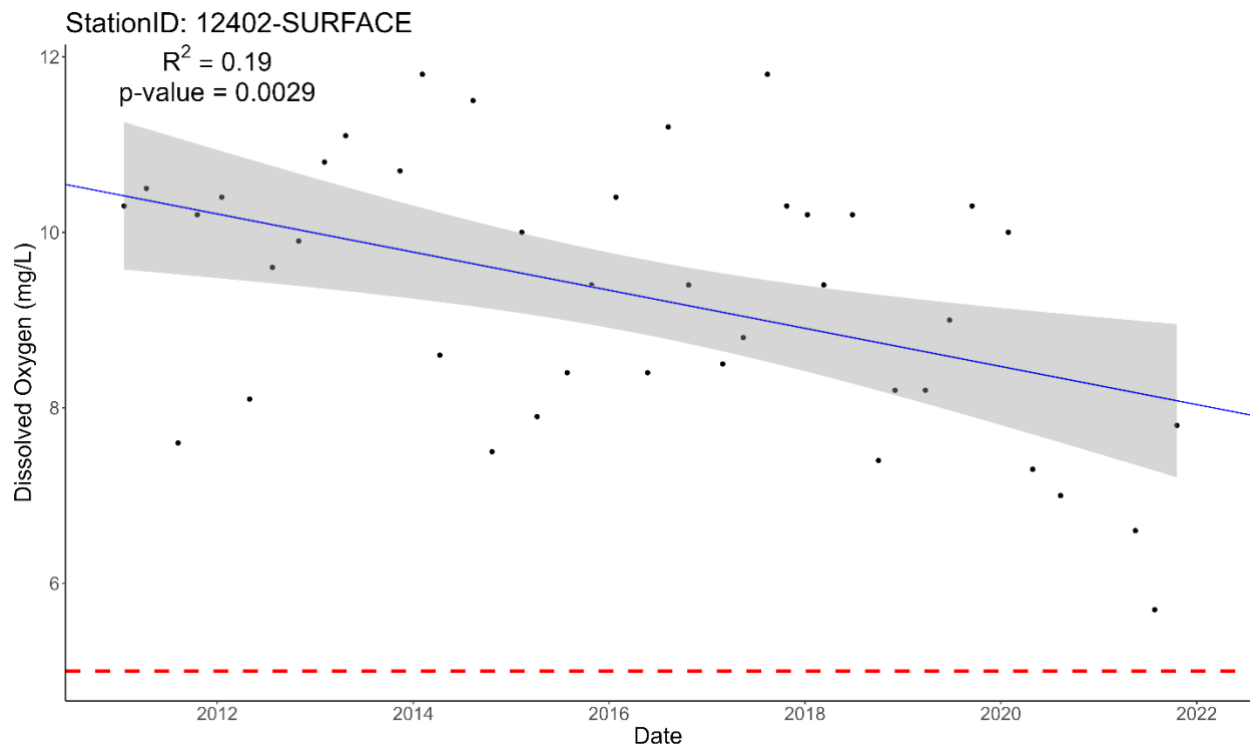
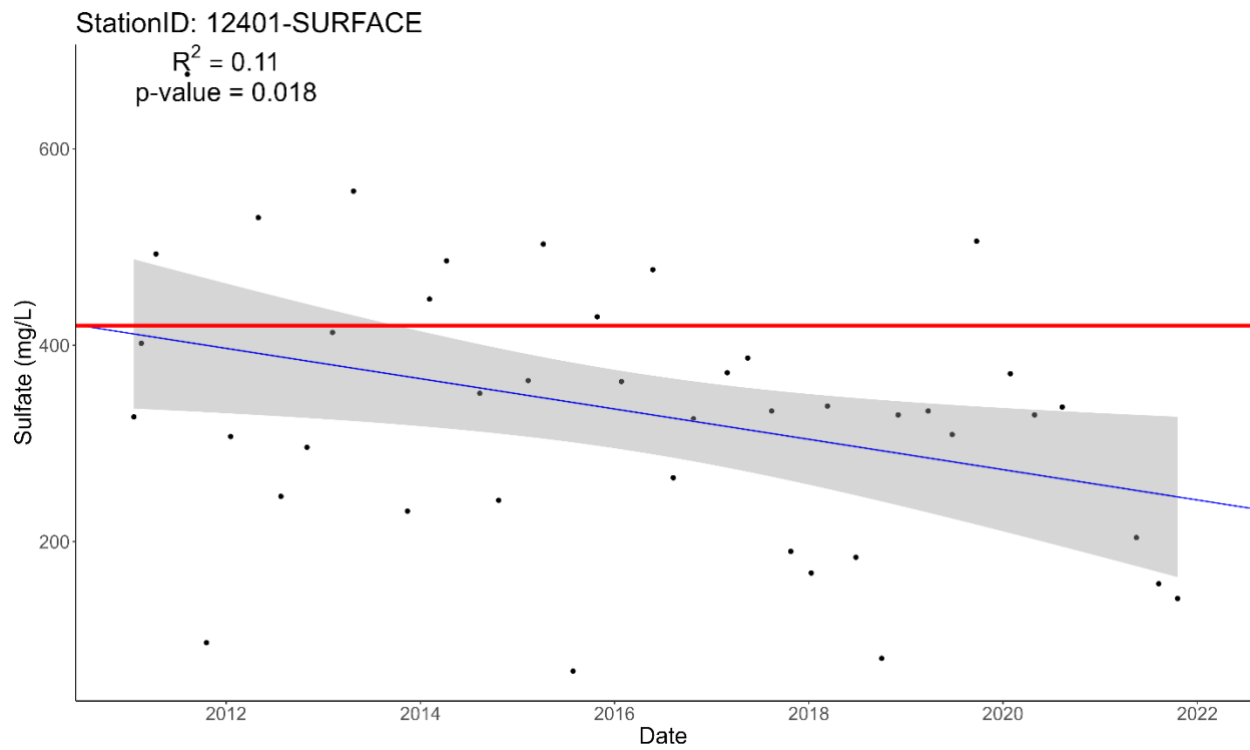


Appendix X2

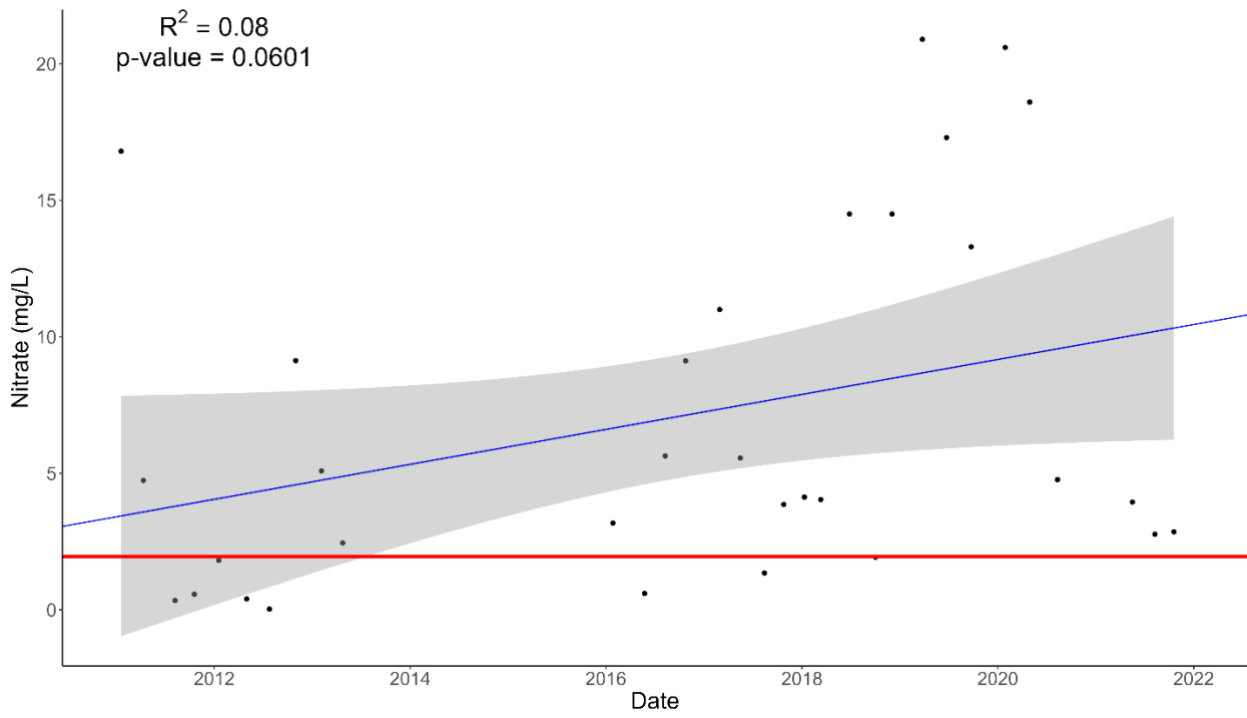
Significant temporal trend graphs for all stations in the Concho River Basin by segment.

1421 – Concho River



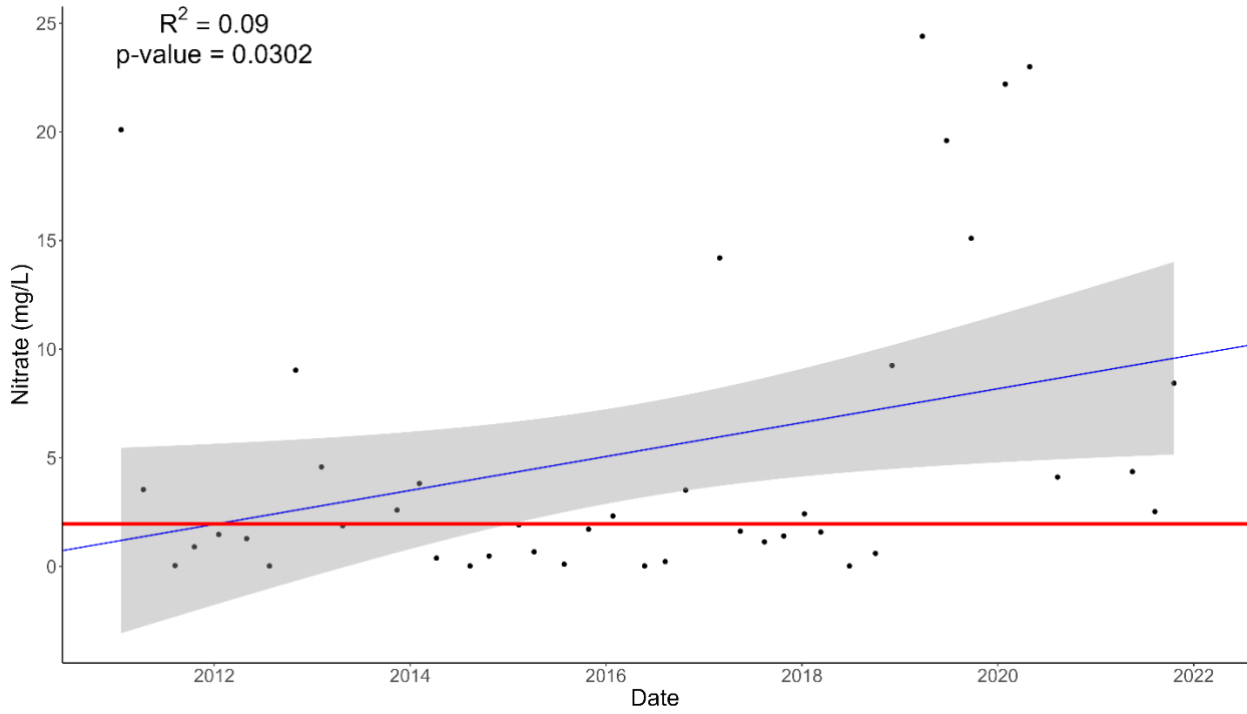
StationID: 12402-SURFACE

$R^2 = 0.08$
p-value = 0.0601



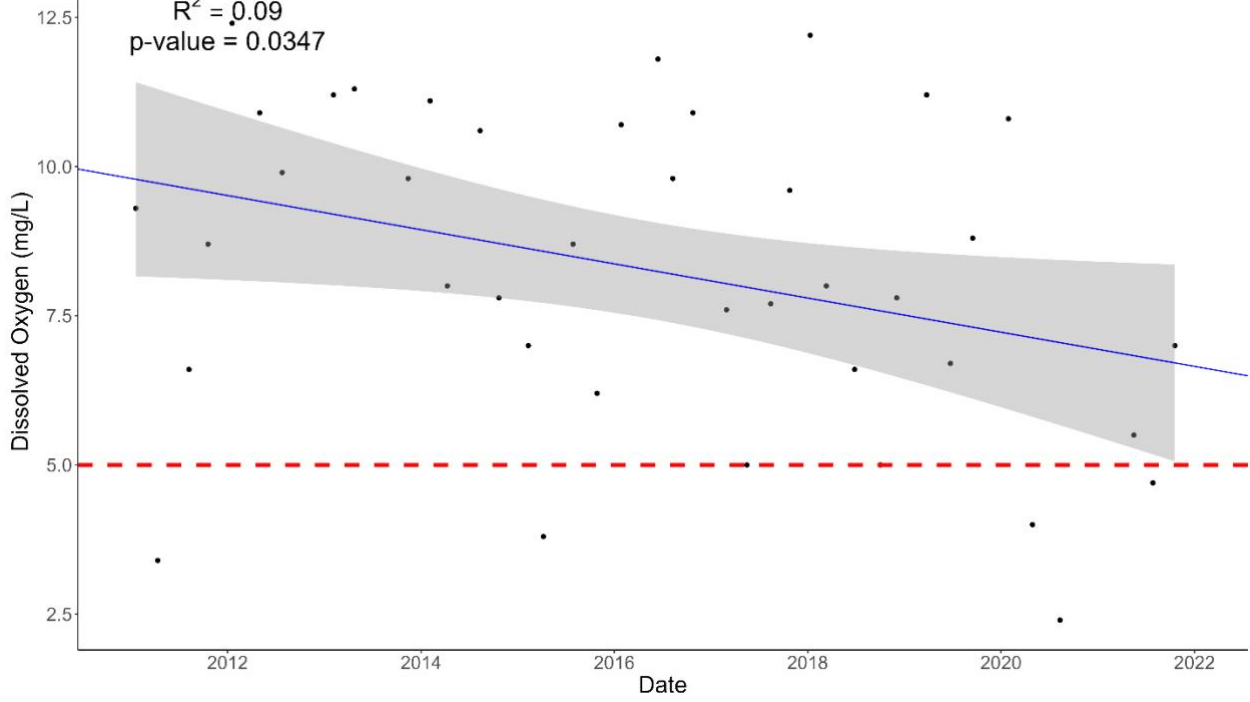
StationID: 12403-SURFACE

$R^2 = 0.09$
p-value = 0.0302



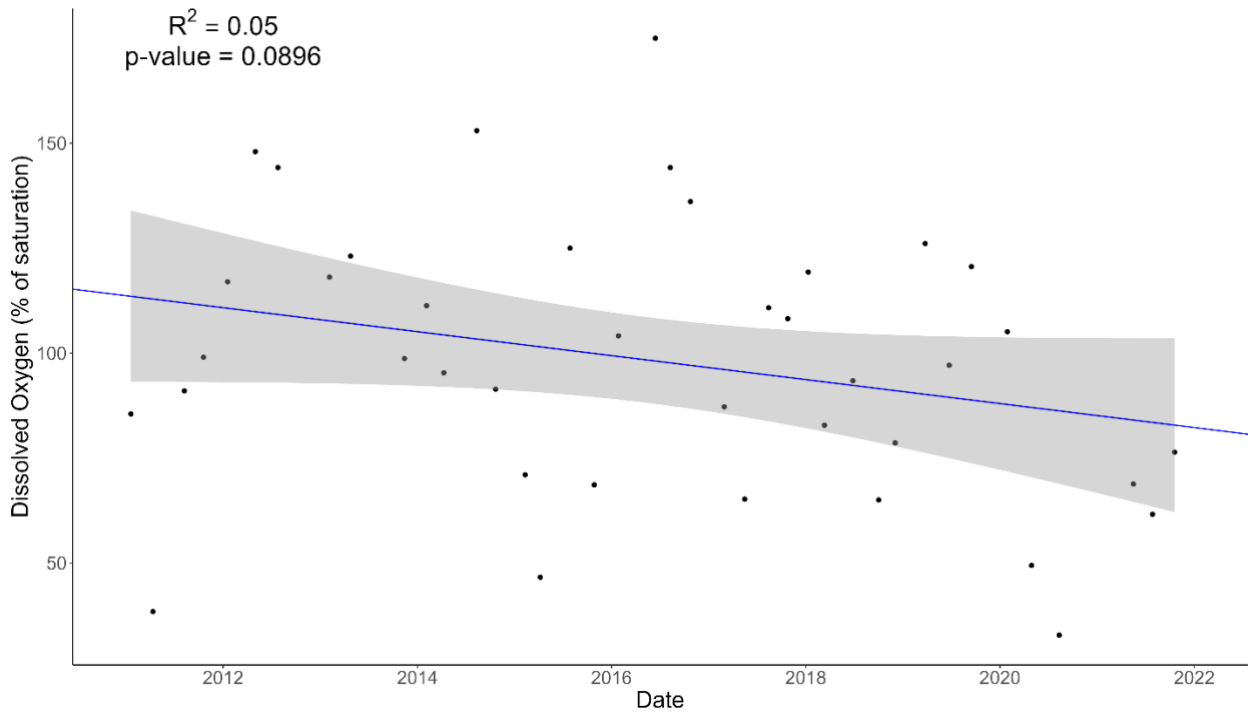
StationID: 12407-SURFACE

$R^2 = 0.09$
p-value = 0.0347



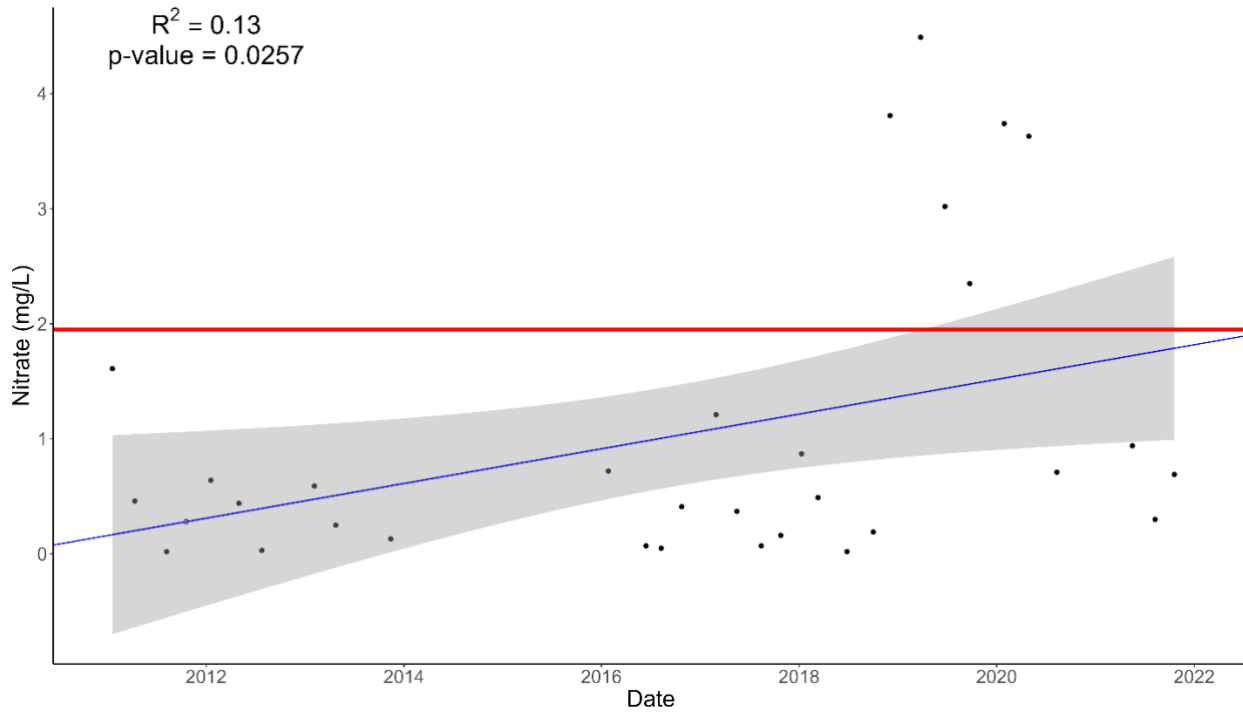
StationID: 12407-SURFACE

$R^2 = 0.05$
p-value = 0.0896



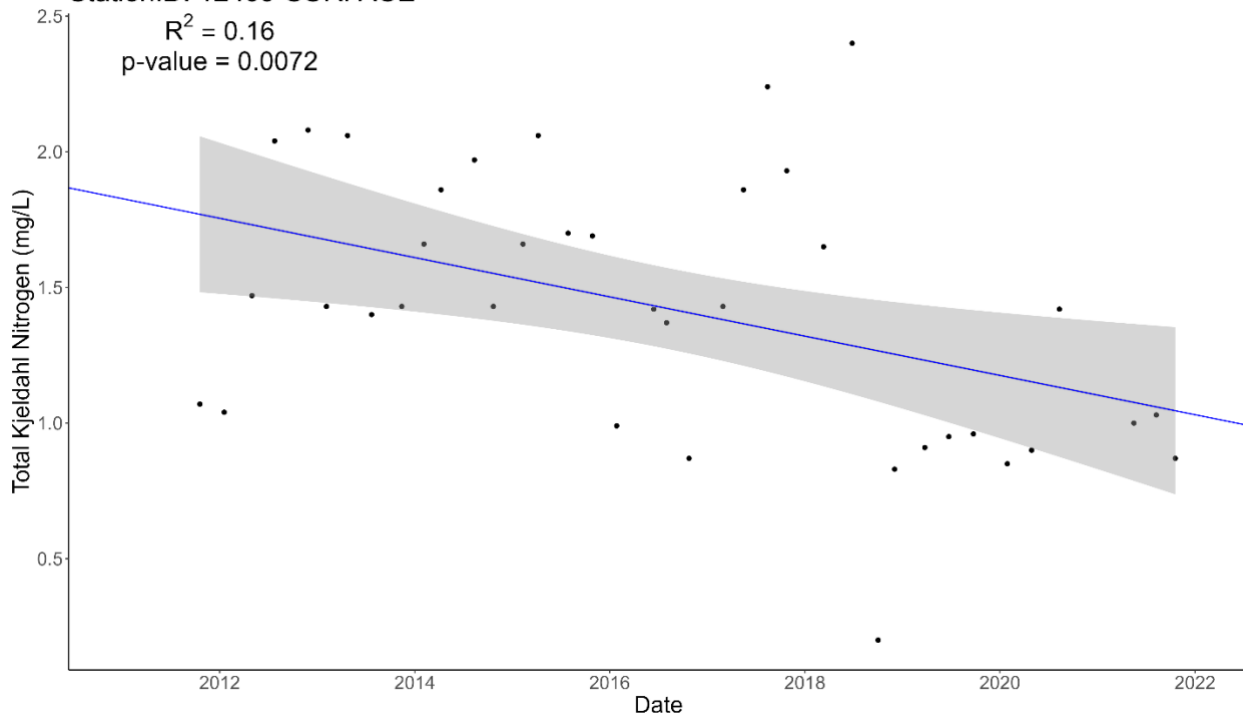
StationID: 12407-SURFACE

$R^2 = 0.13$
 $p\text{-value} = 0.0257$



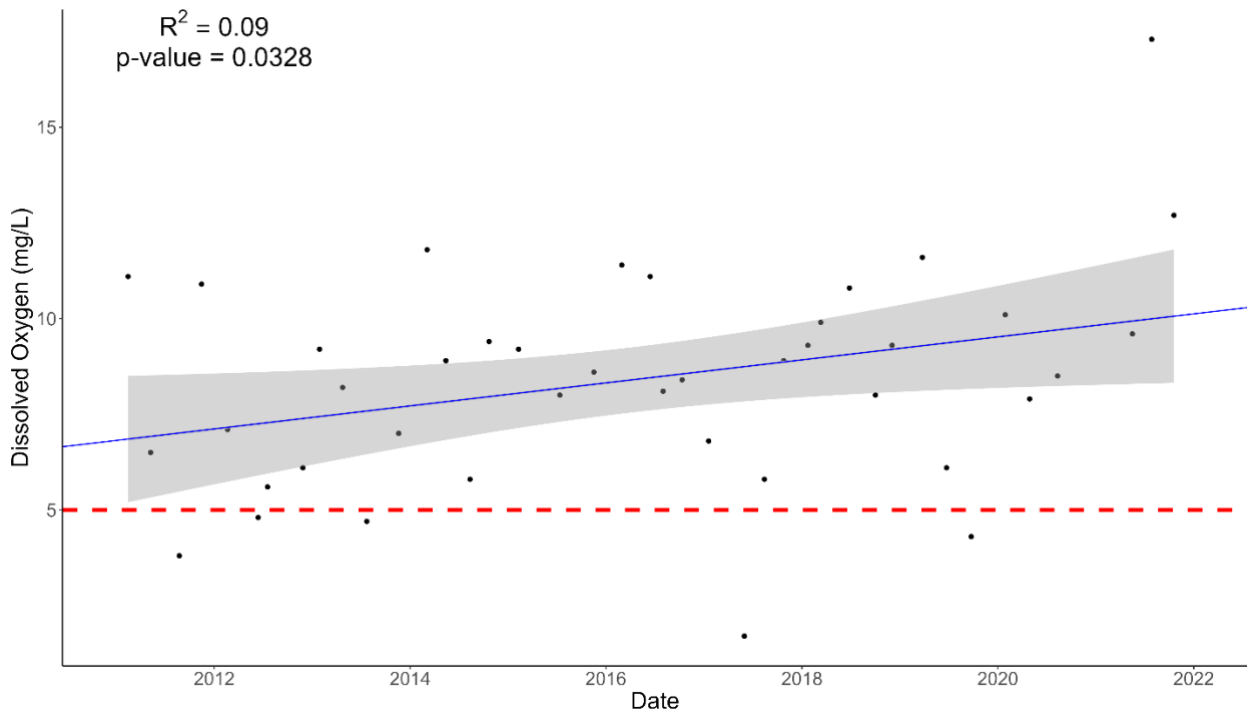
StationID: 12409-SURFACE

$R^2 = 0.16$
 $p\text{-value} = 0.0072$



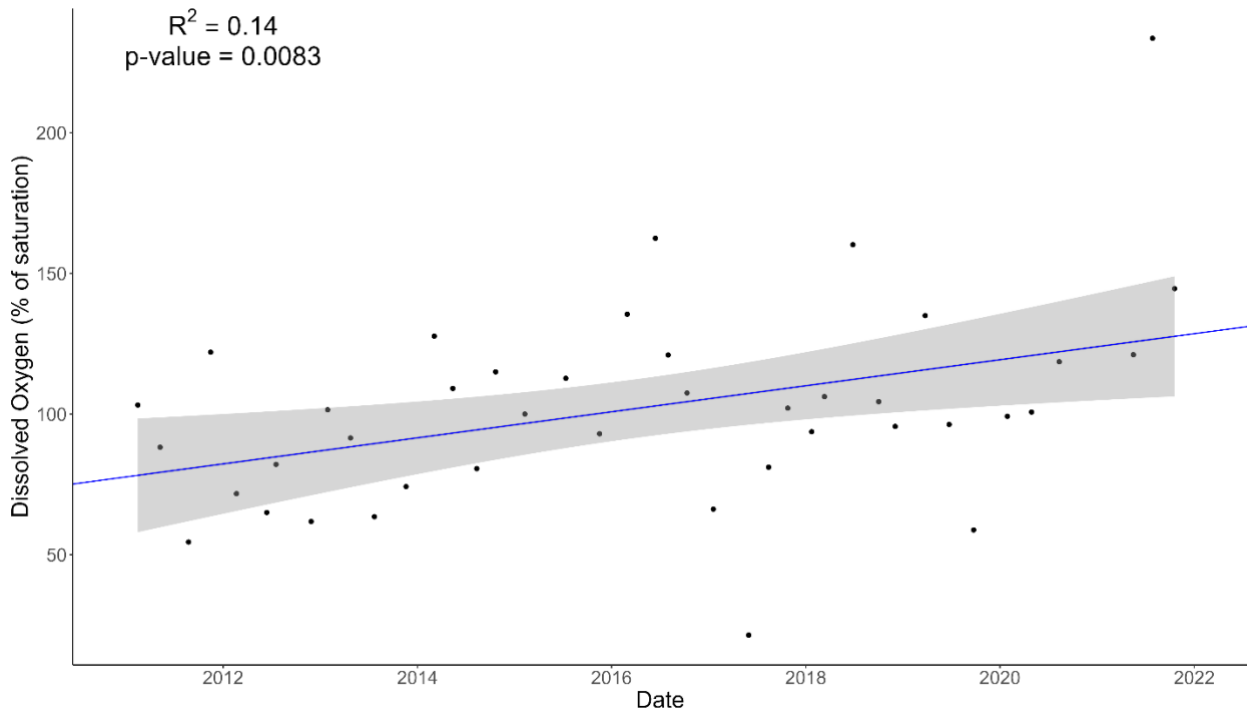
StationID: 15886-SURFACE

$R^2 = 0.09$
p-value = 0.0328



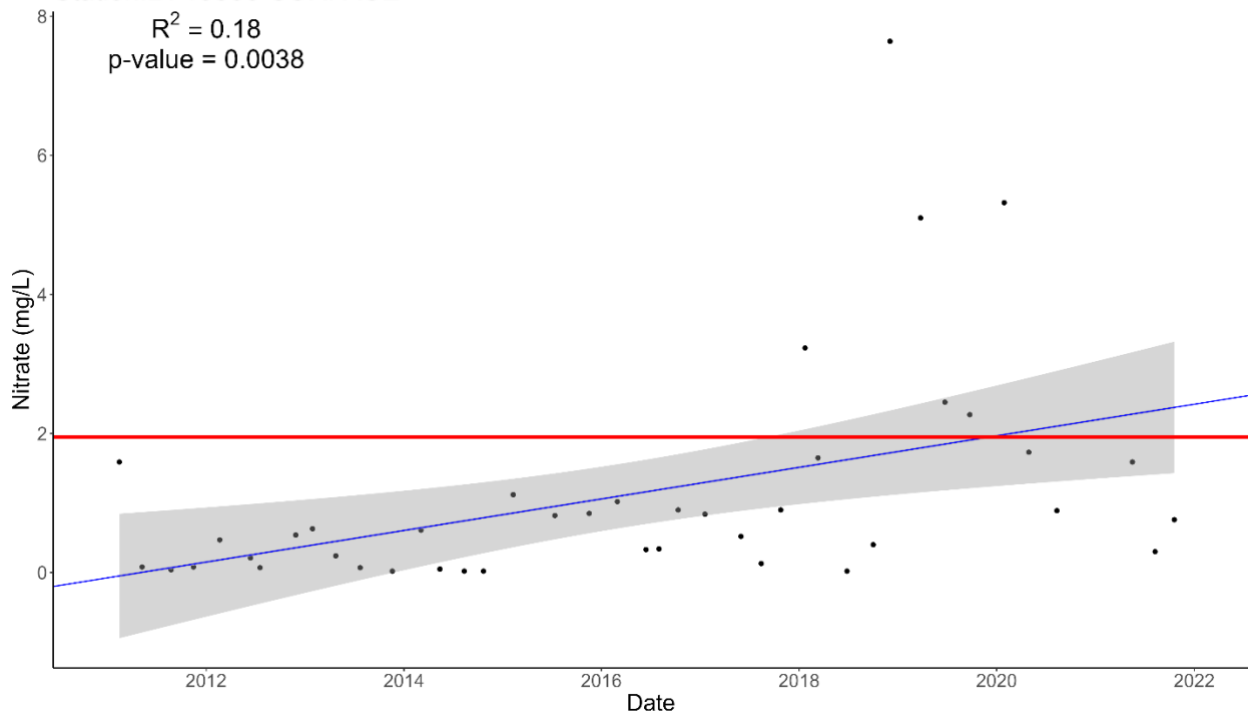
StationID: 15886-SURFACE

$R^2 = 0.14$
p-value = 0.0083



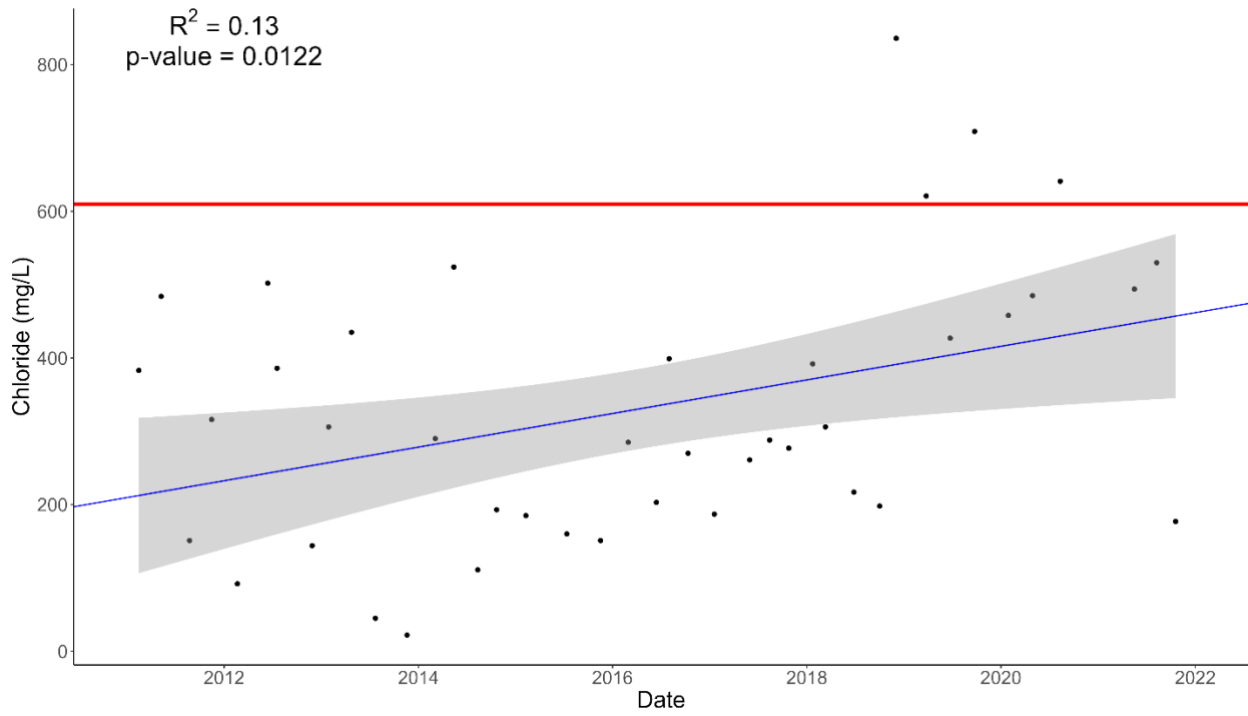
StationID: 15886-SURFACE

$R^2 = 0.18$
 $p\text{-value} = 0.0038$

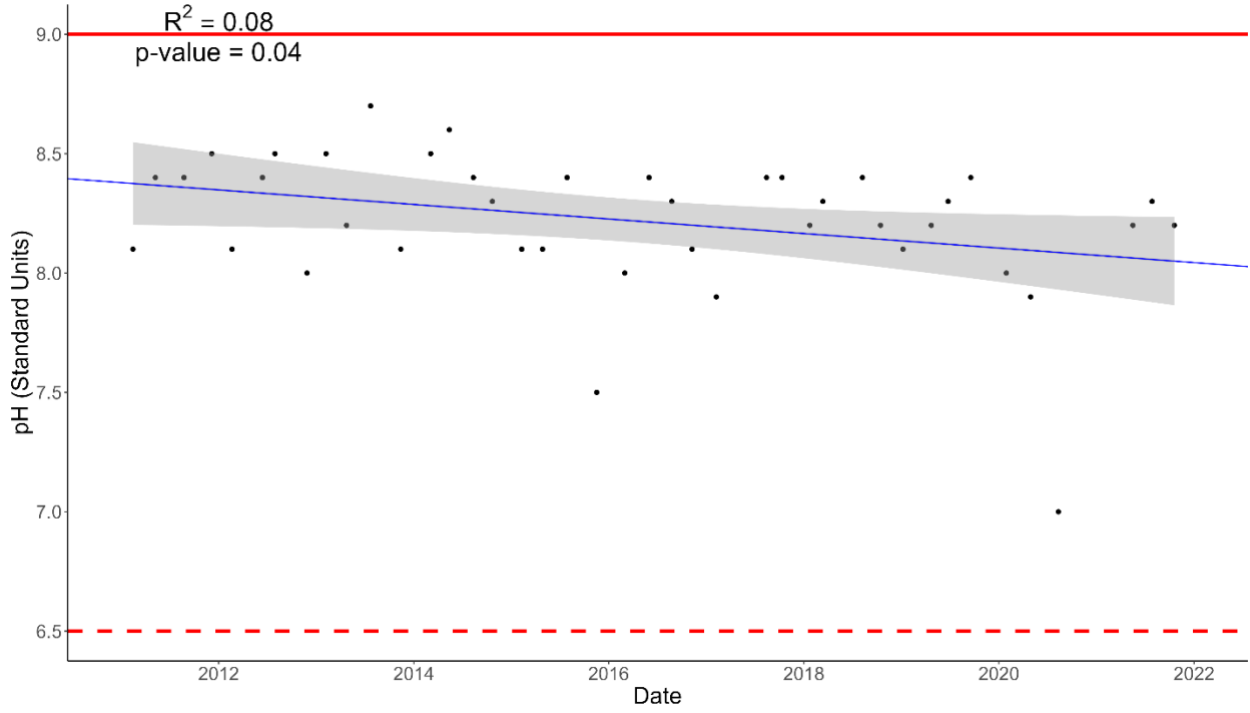


StationID: 15886-SURFACE

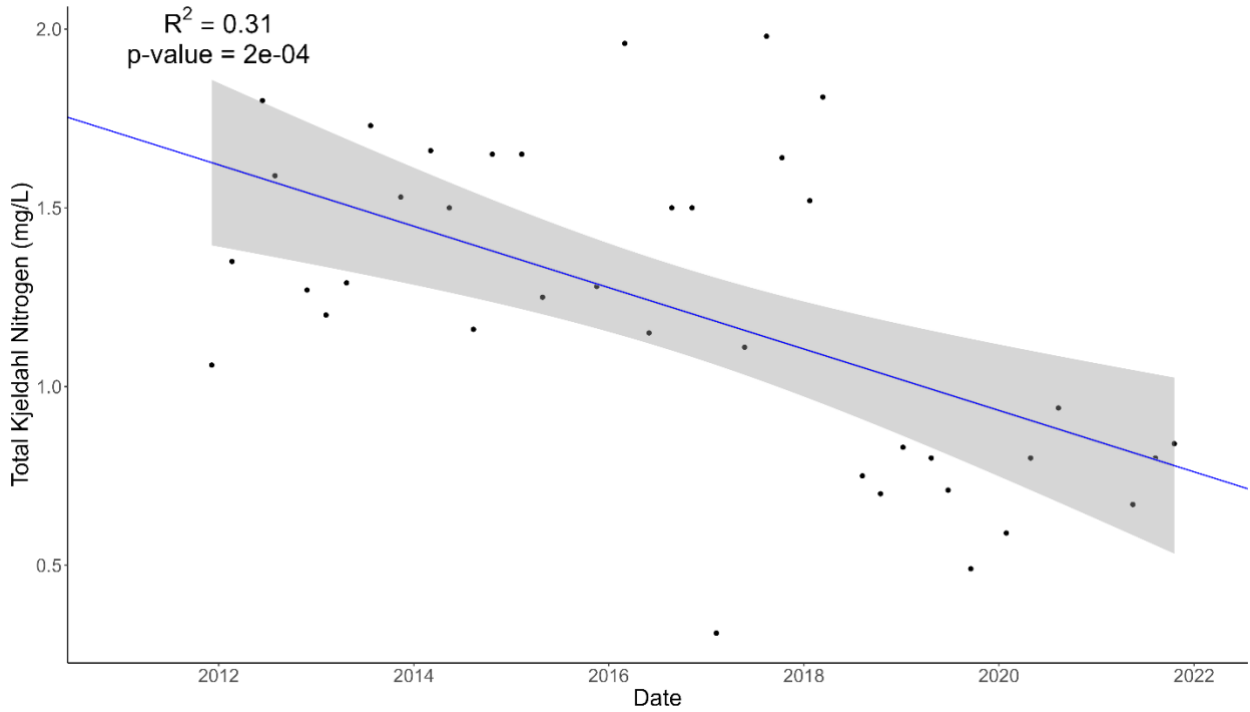
$R^2 = 0.13$
 $p\text{-value} = 0.0122$



StationID: 12416-SURFACE

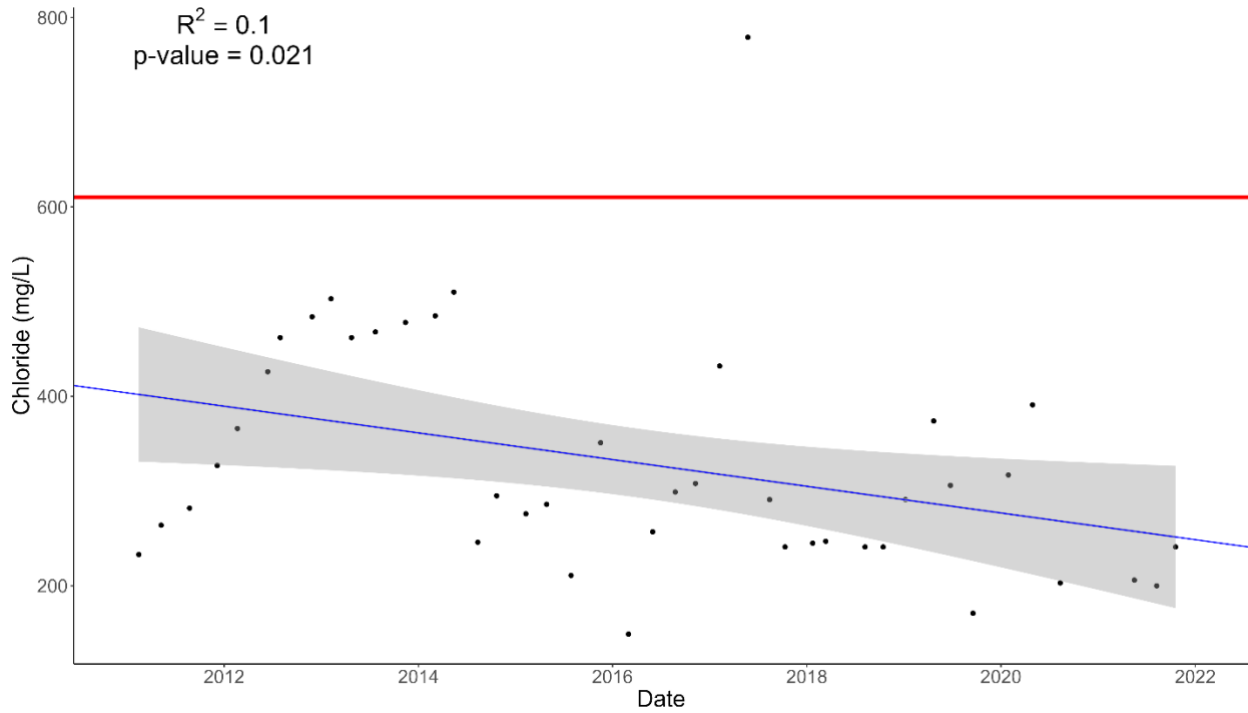


StationID: 12416-SURFACE



StationID: 12416-SURFACE

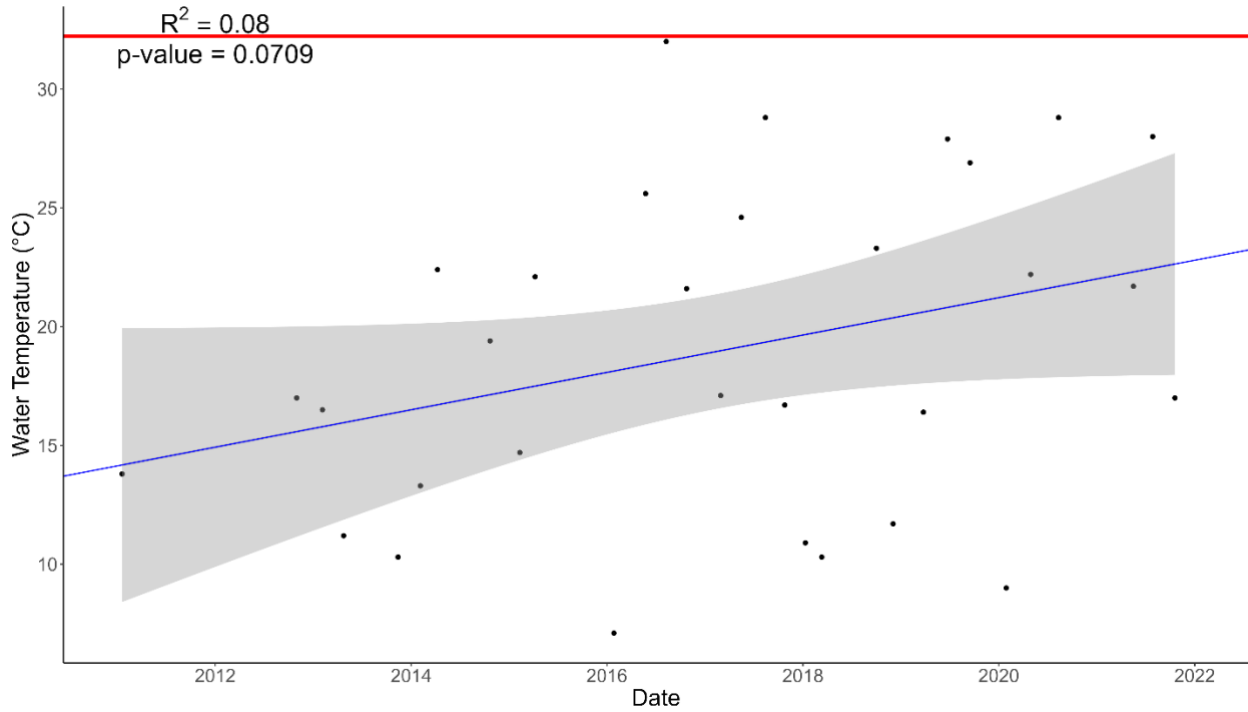
$R^2 = 0.1$
p-value = 0.021



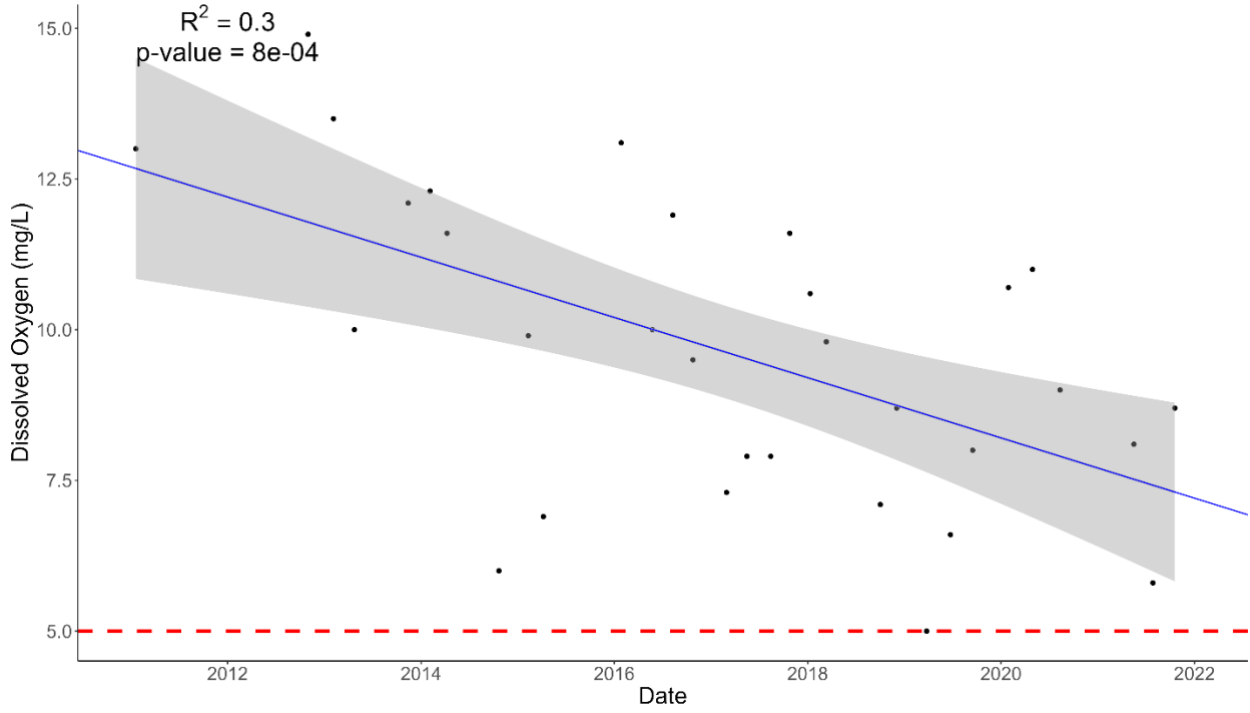
1421A – Dry Hollow Creek

StationID: 12257-SURFACE

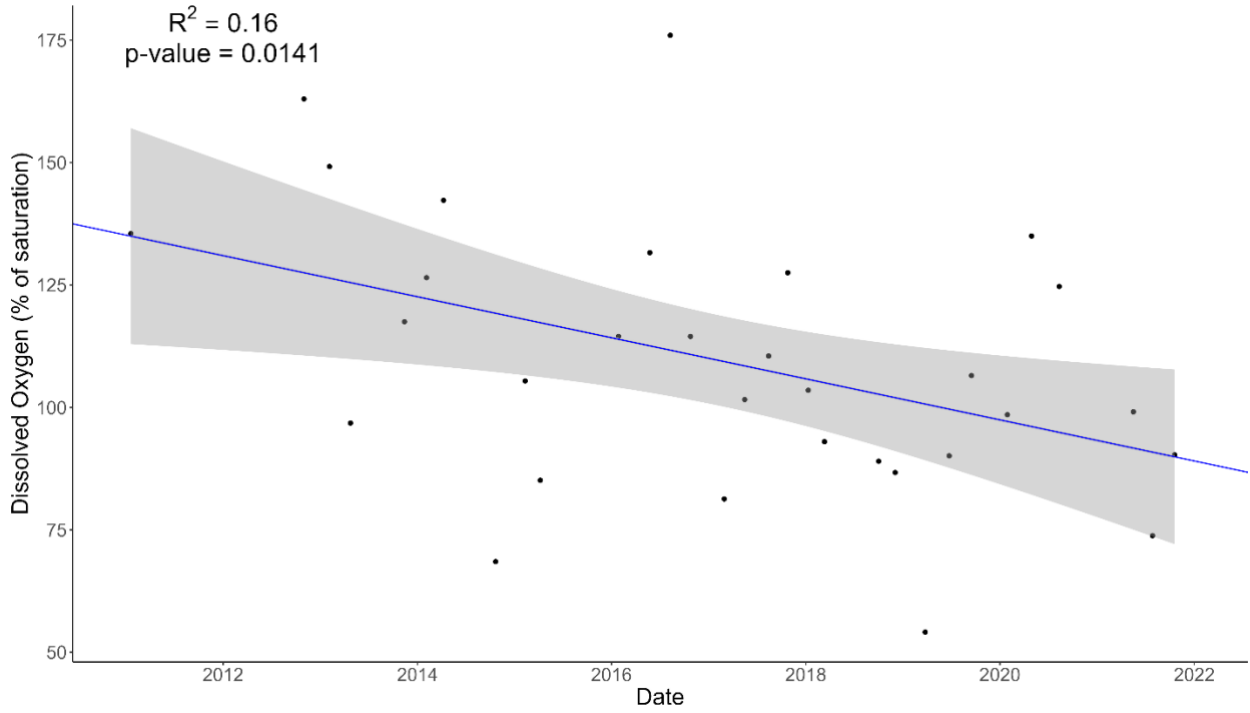
$R^2 = 0.08$
p-value = 0.0709



StationID: 12257-SURFACE

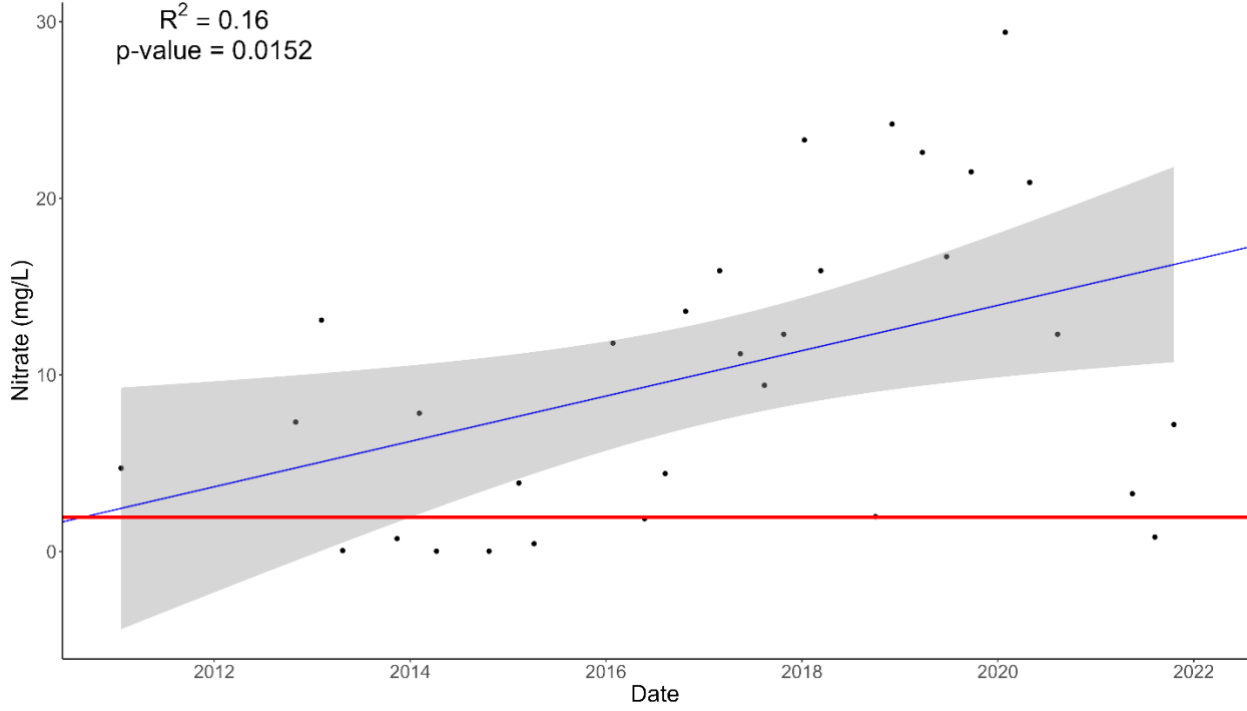


StationID: 12257-SURFACE



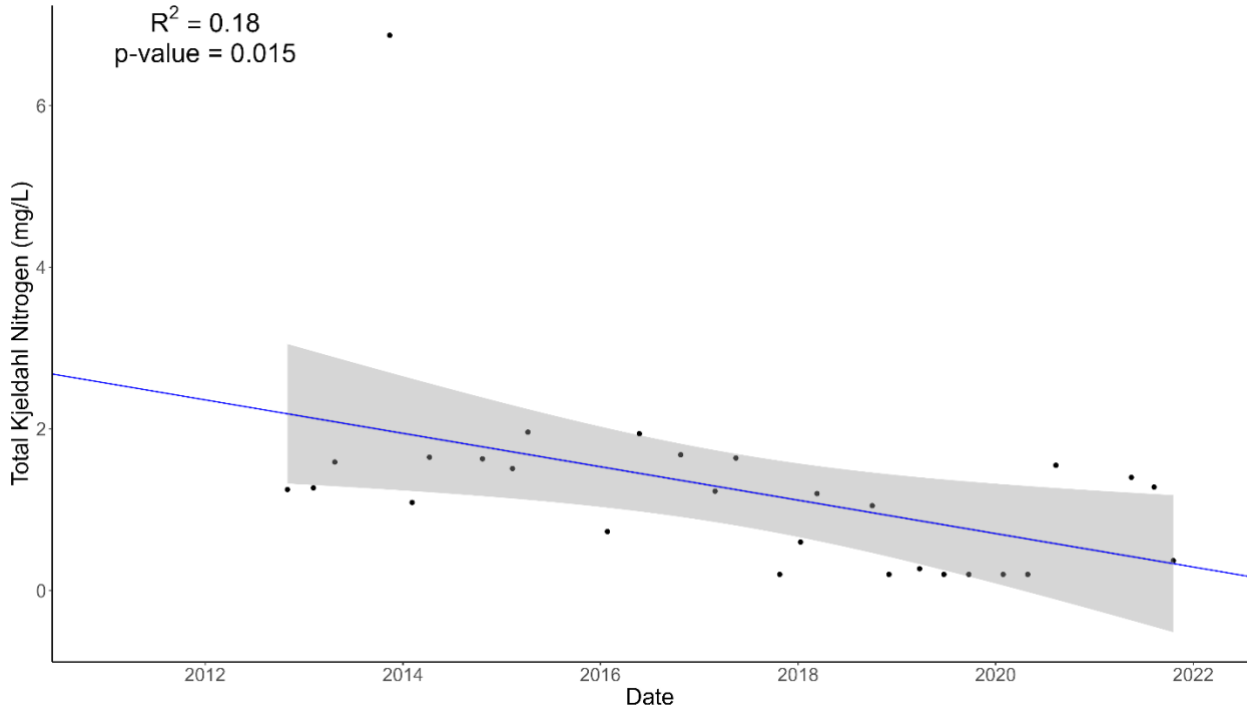
StationID: 12257-SURFACE

$R^2 = 0.16$
p-value = 0.0152

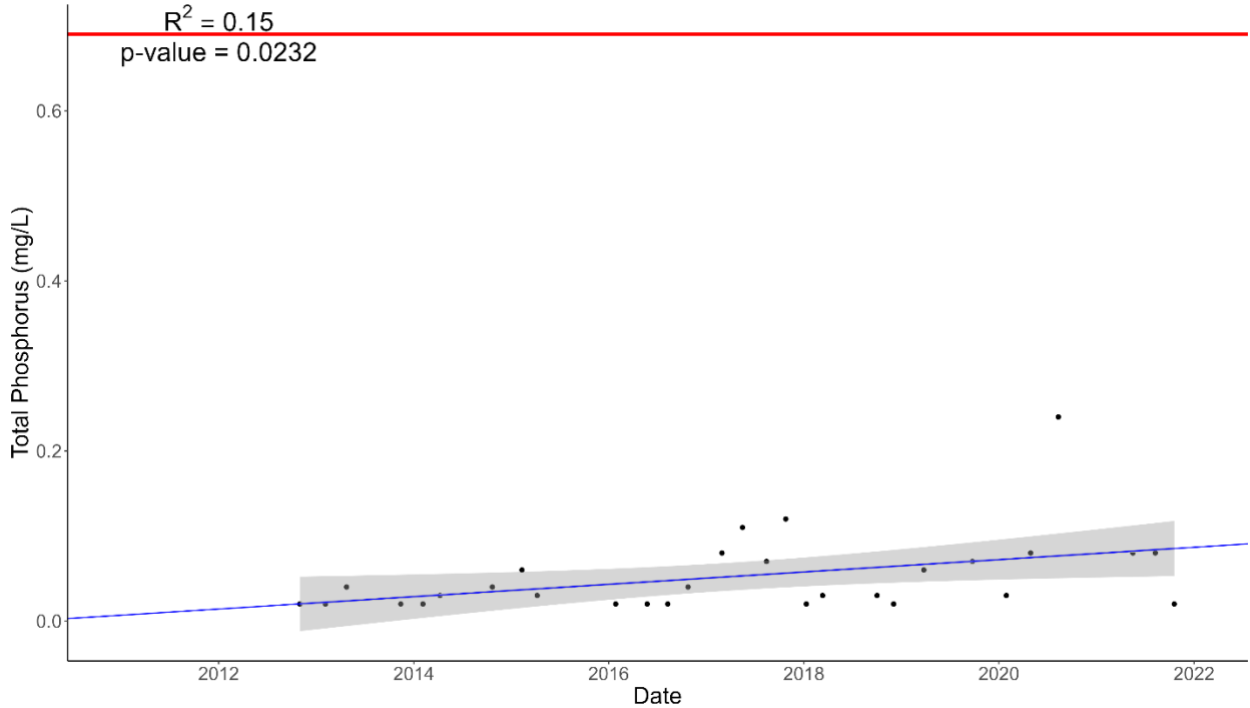


StationID: 12257-SURFACE

$R^2 = 0.18$
p-value = 0.015



StationID: 12257-SURFACE

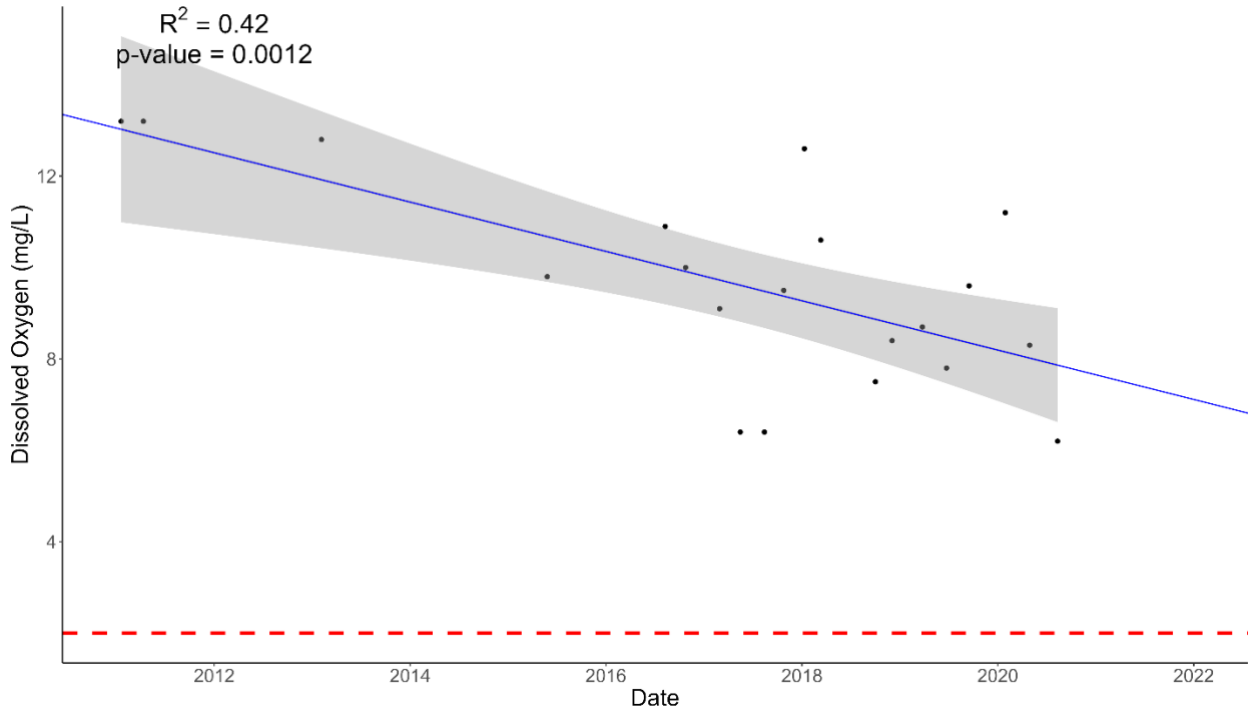


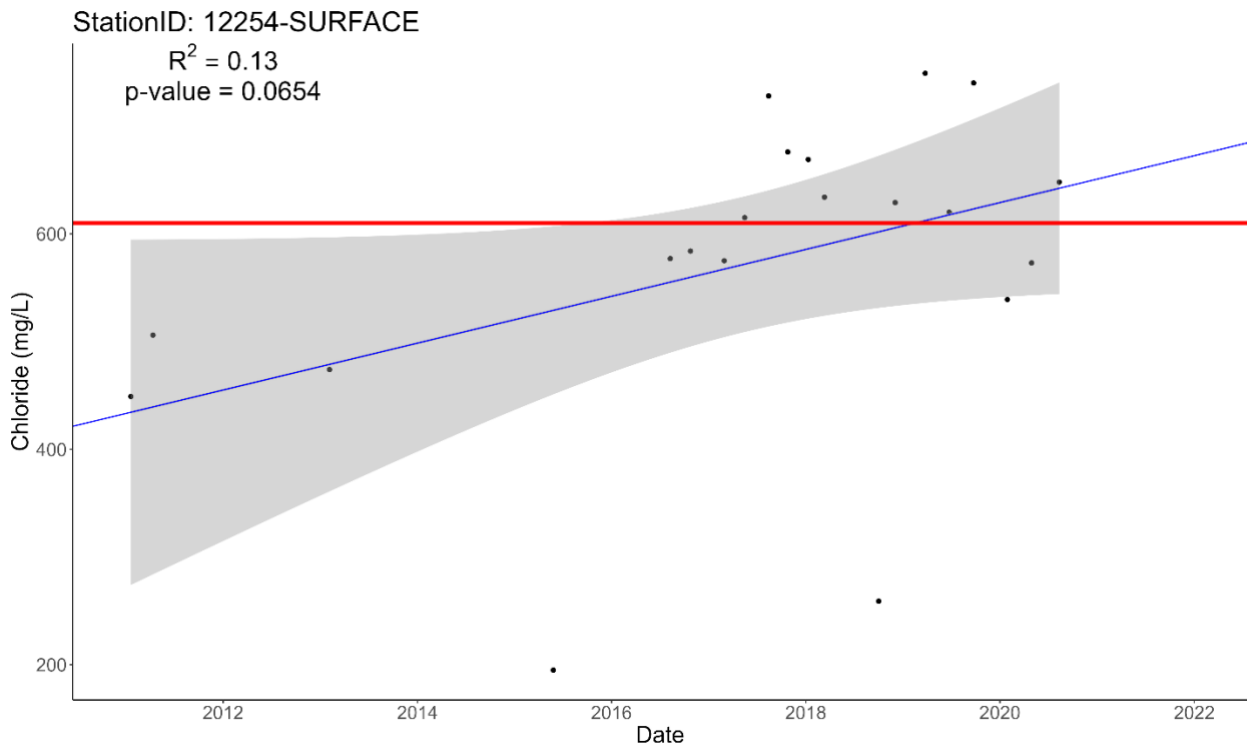
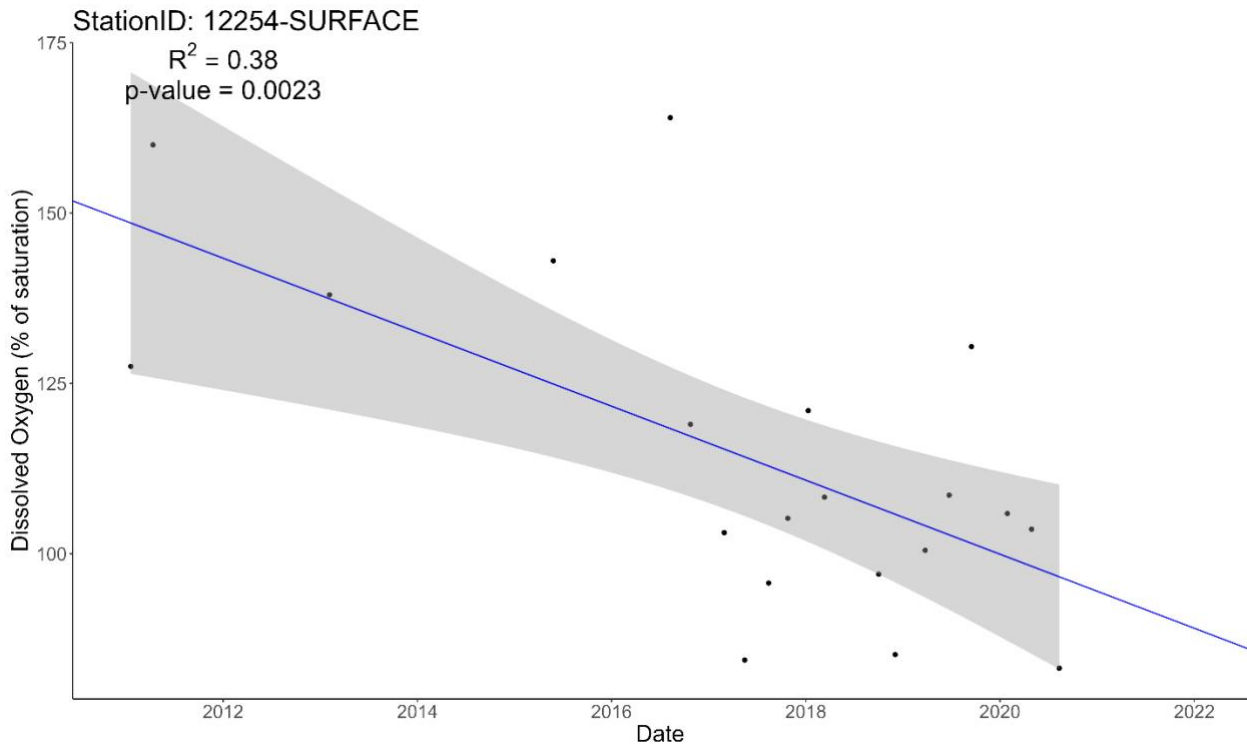
1421B – Kickapoo Creek

No significant trends.

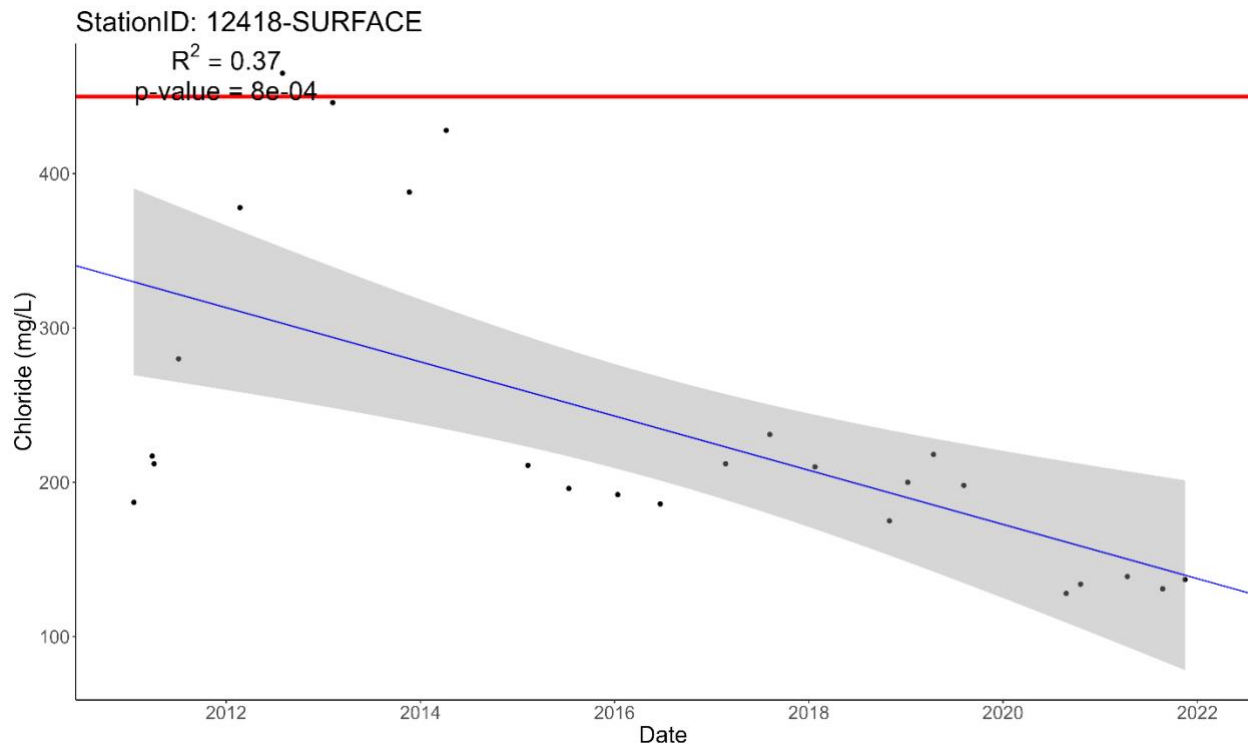
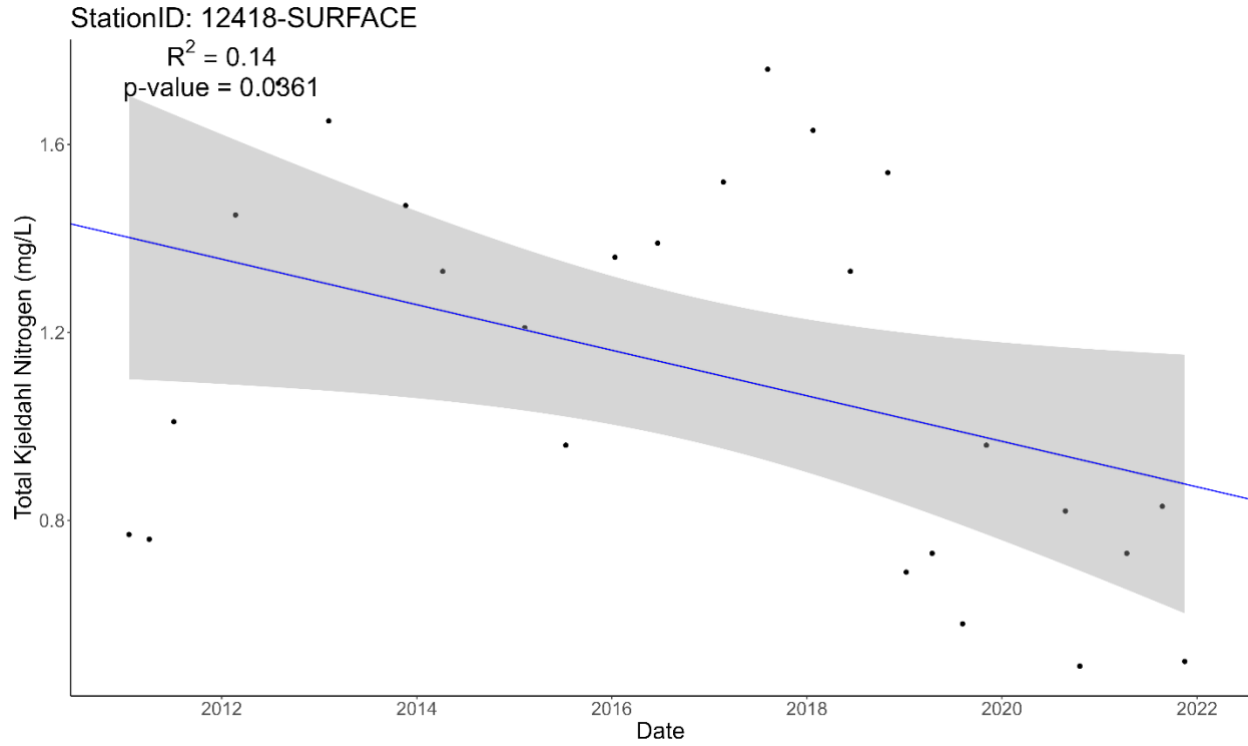
1421C – Lipan Creek

StationID: 12254-SURFACE

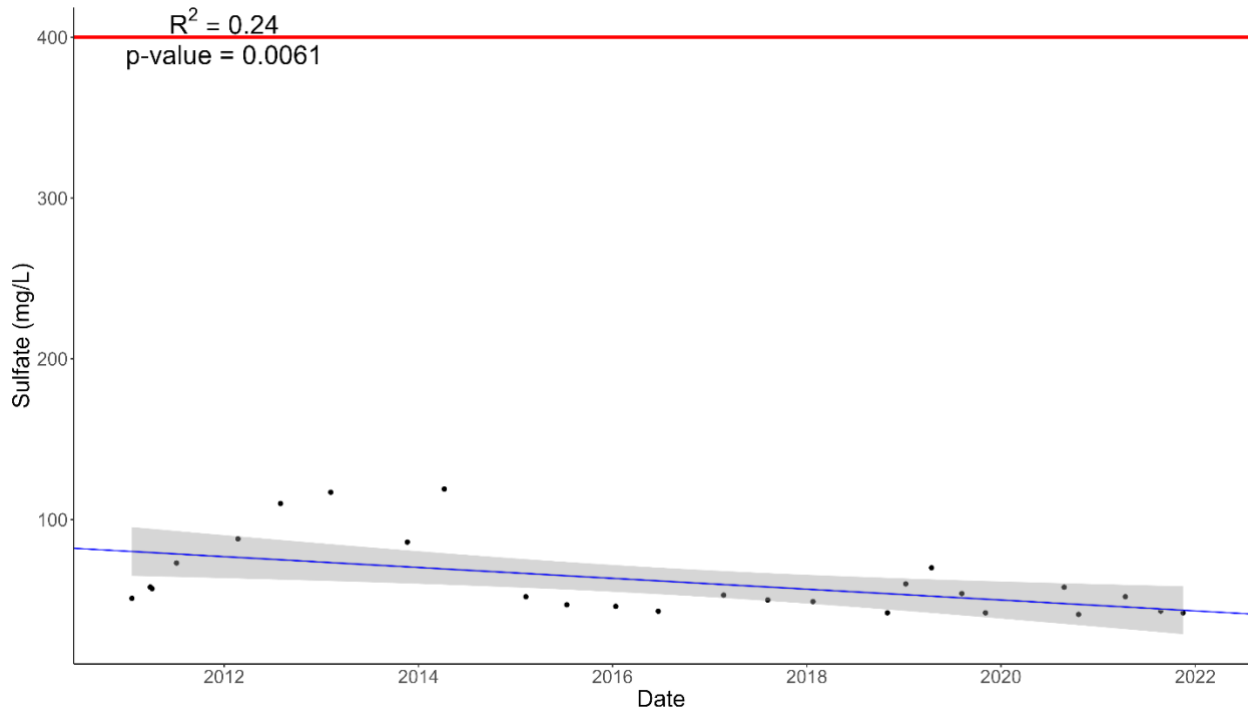




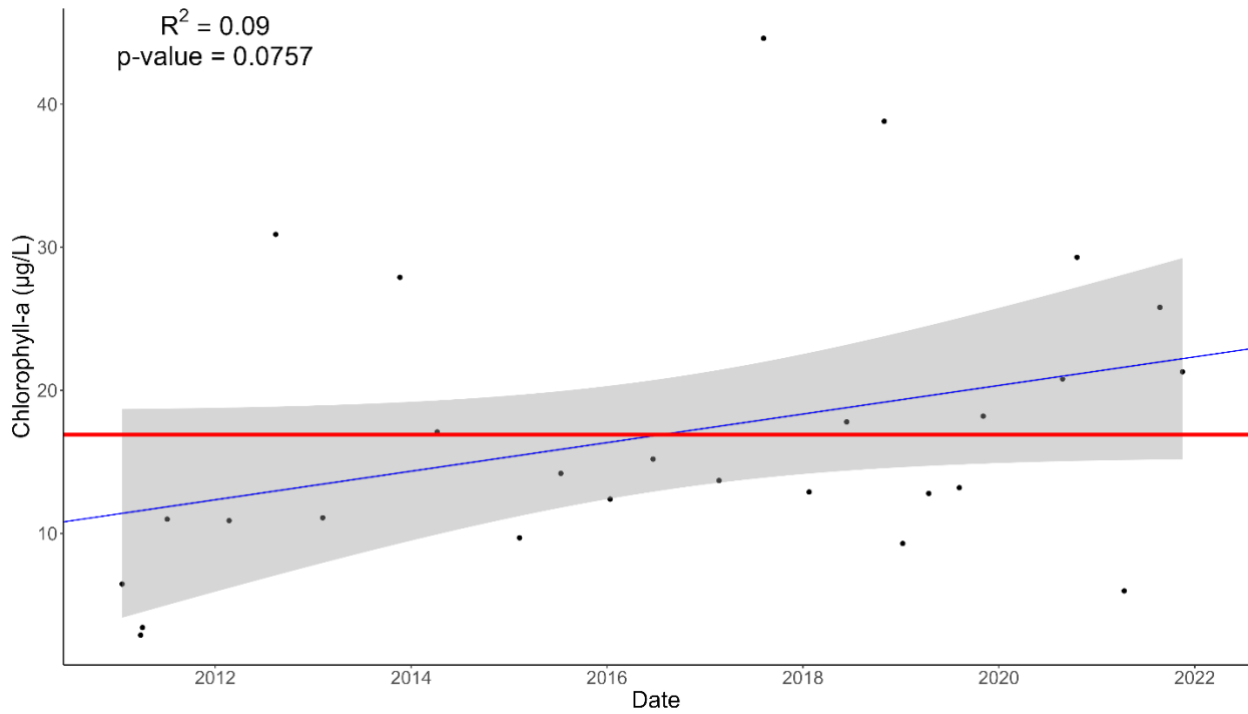
1422 – Lake Nasworthy



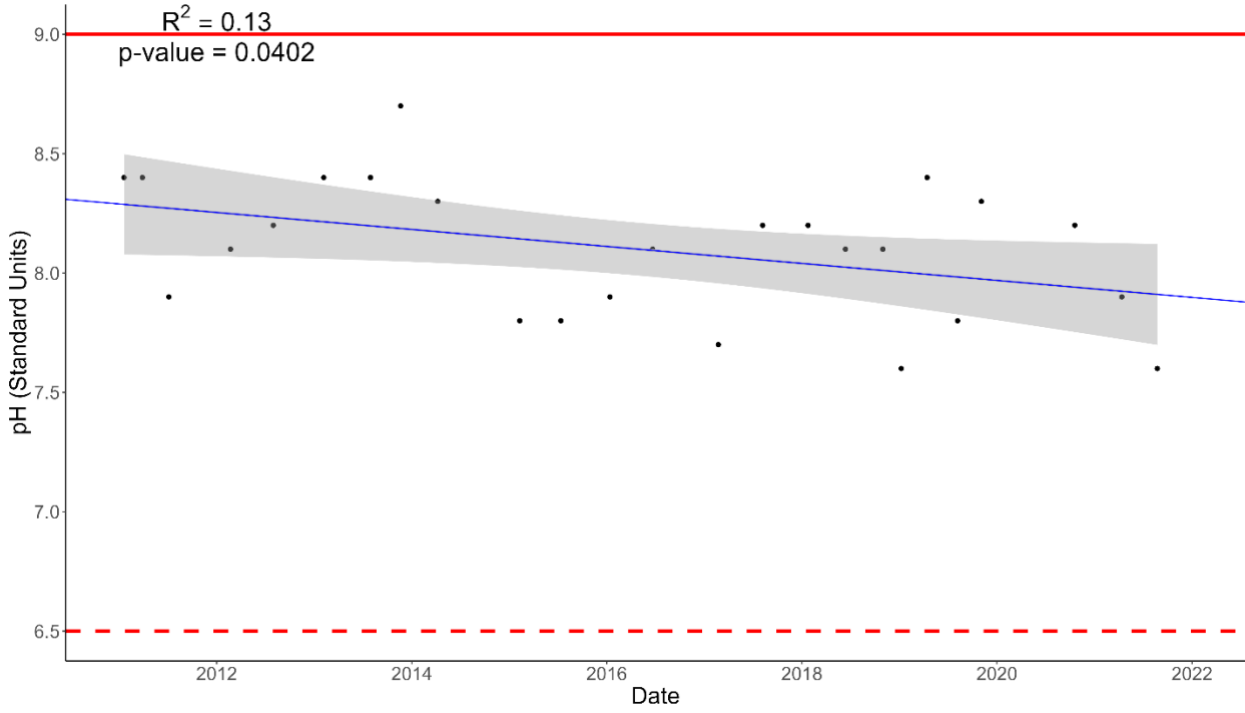
StationID: 12418-SURFACE



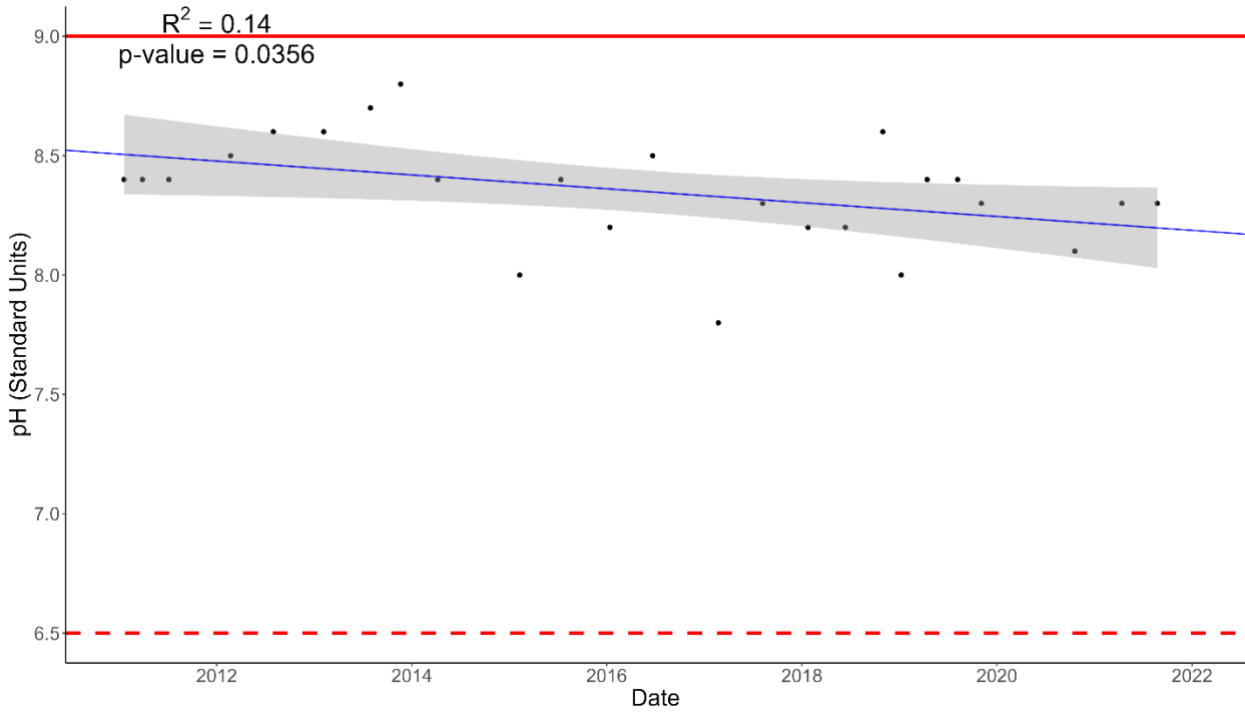
StationID: 12418-SURFACE



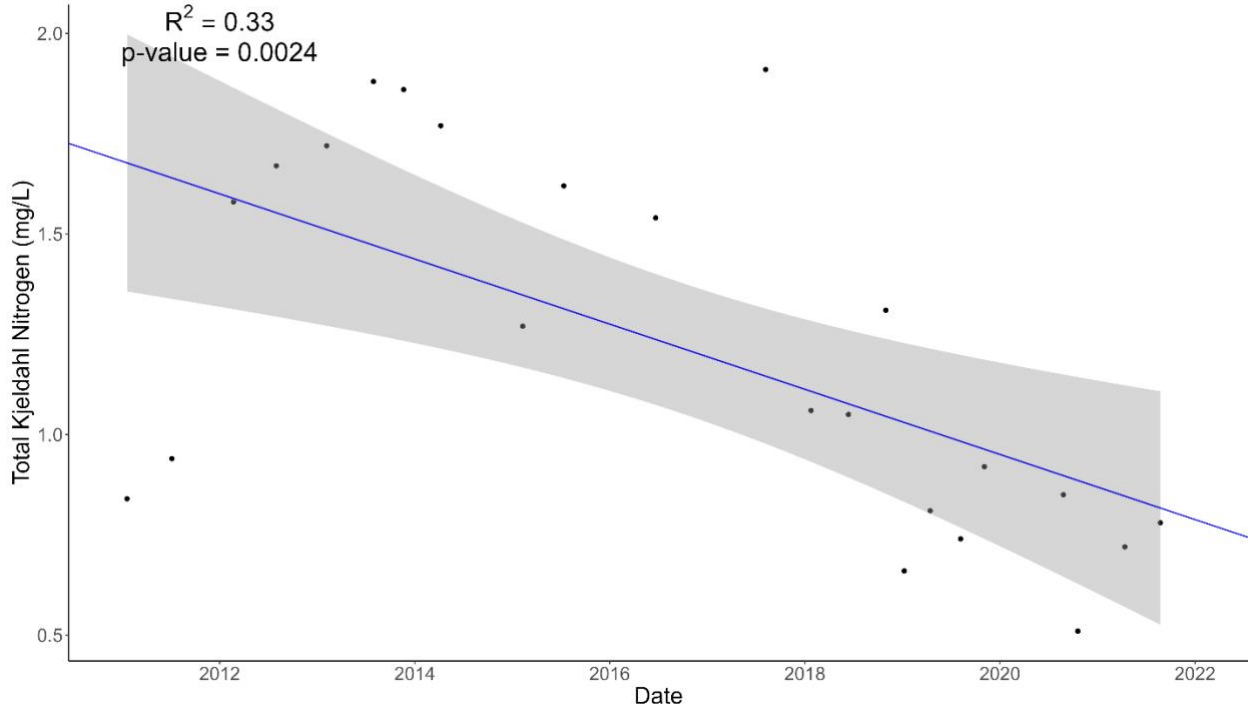
StationID: 12421-BOTTOM



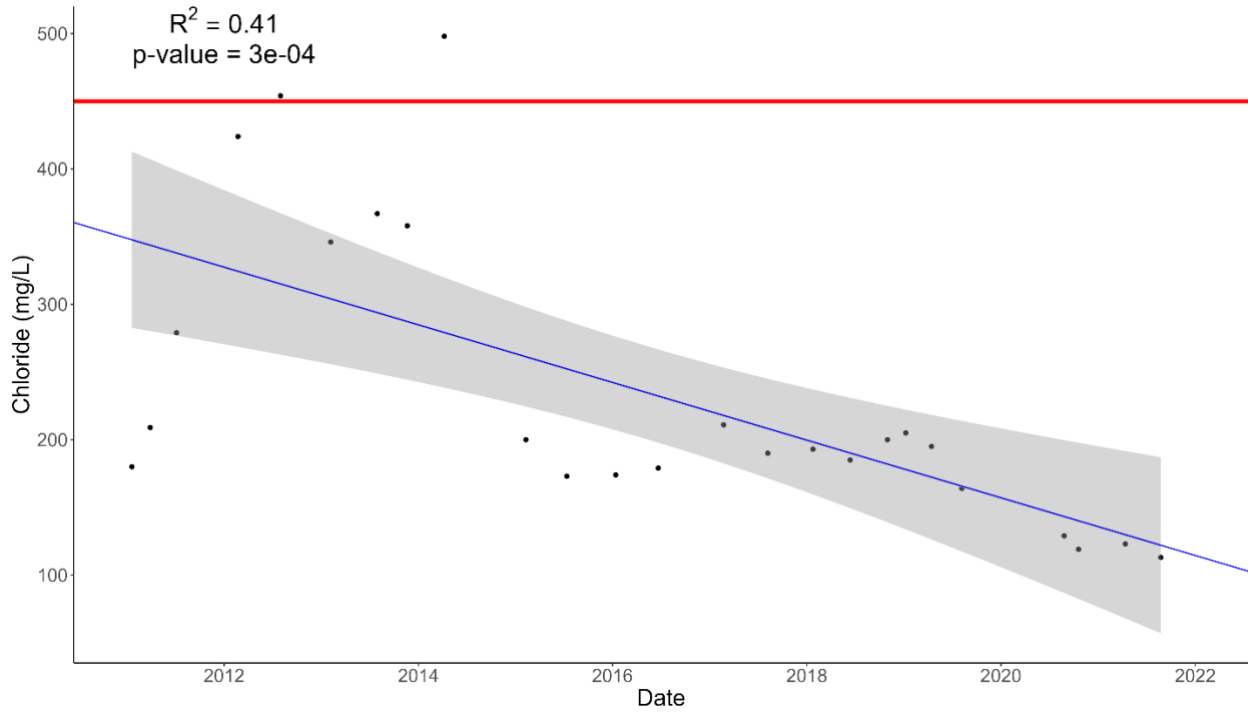
StationID: 12421-SURFACE



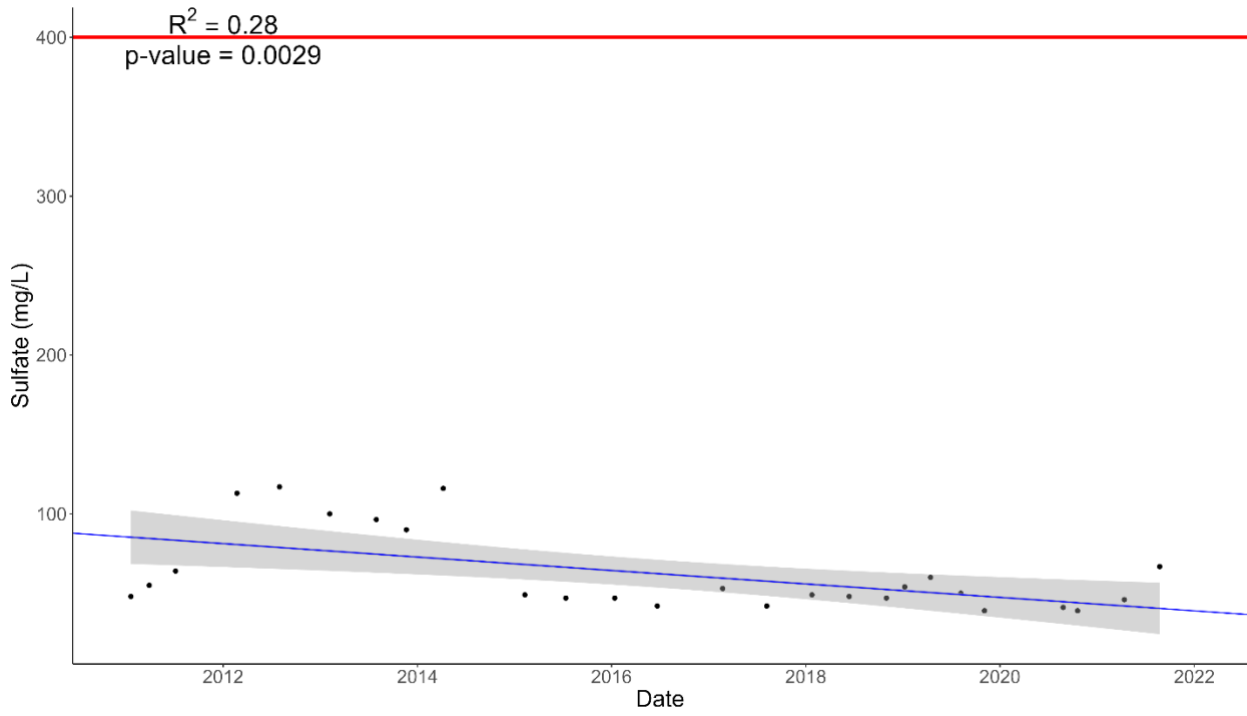
StationID: 12421-SURFACE



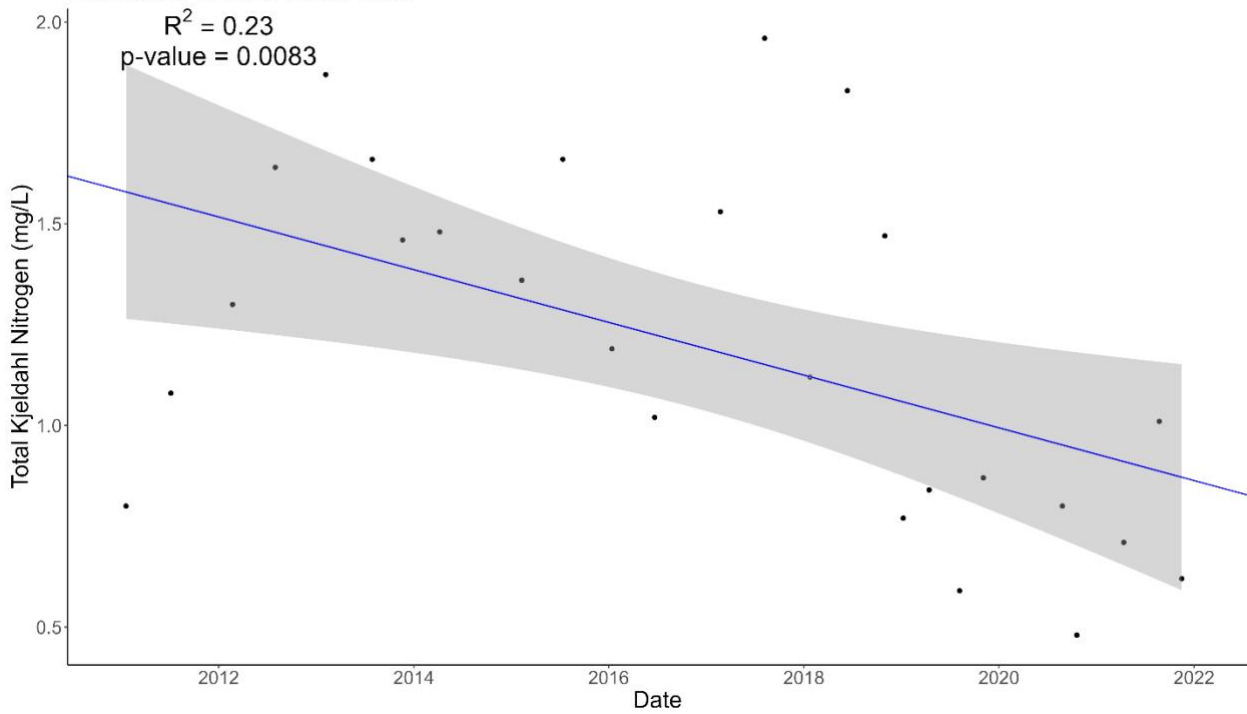
StationID: 12421-SURFACE



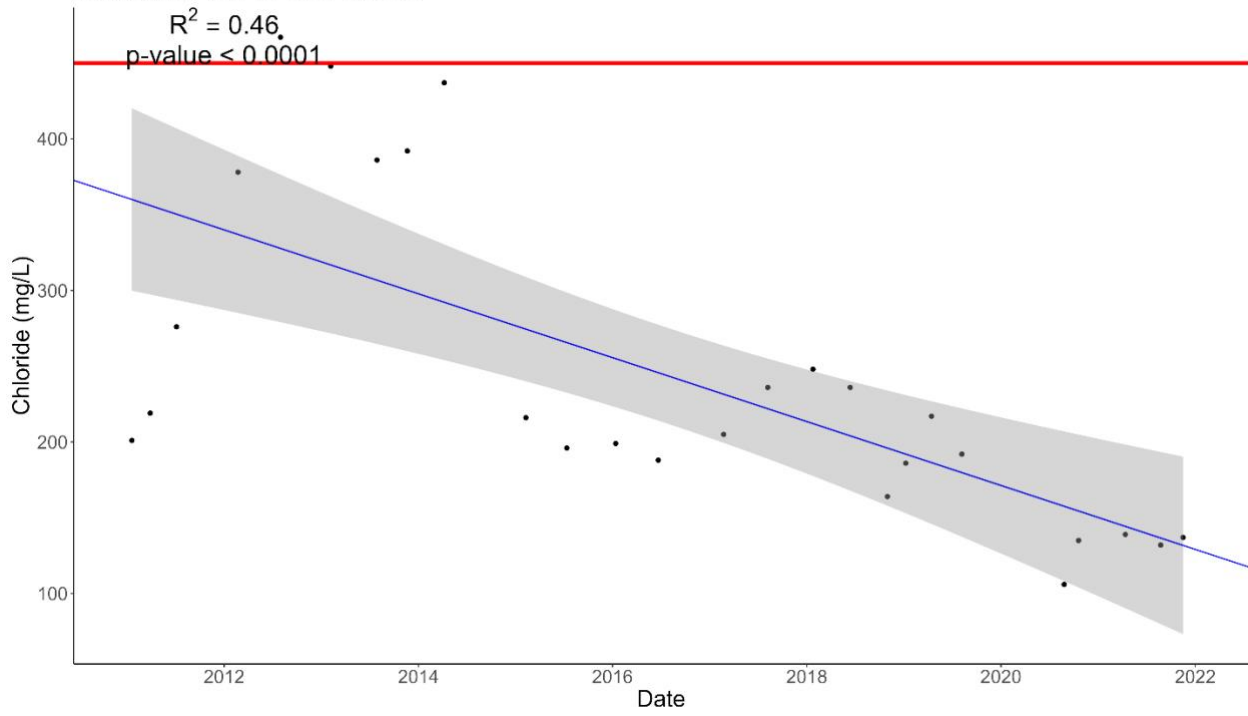
StationID: 12421-SURFACE



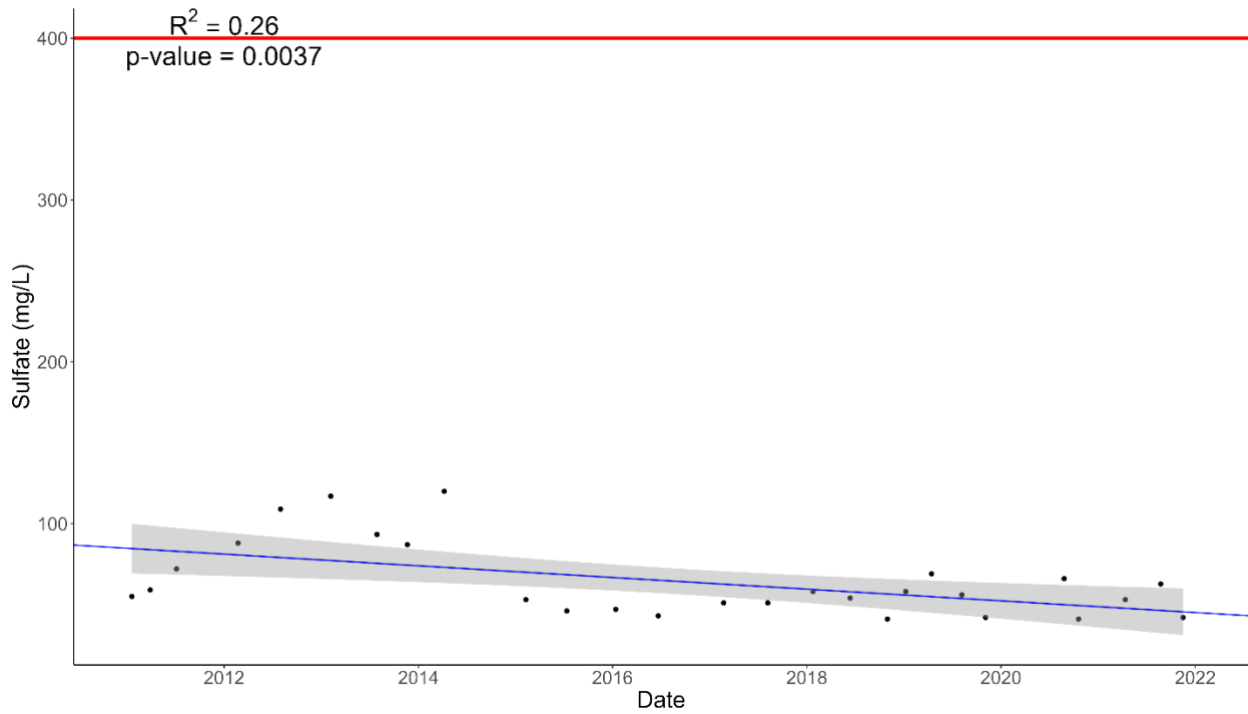
StationID: 12419-SURFACE



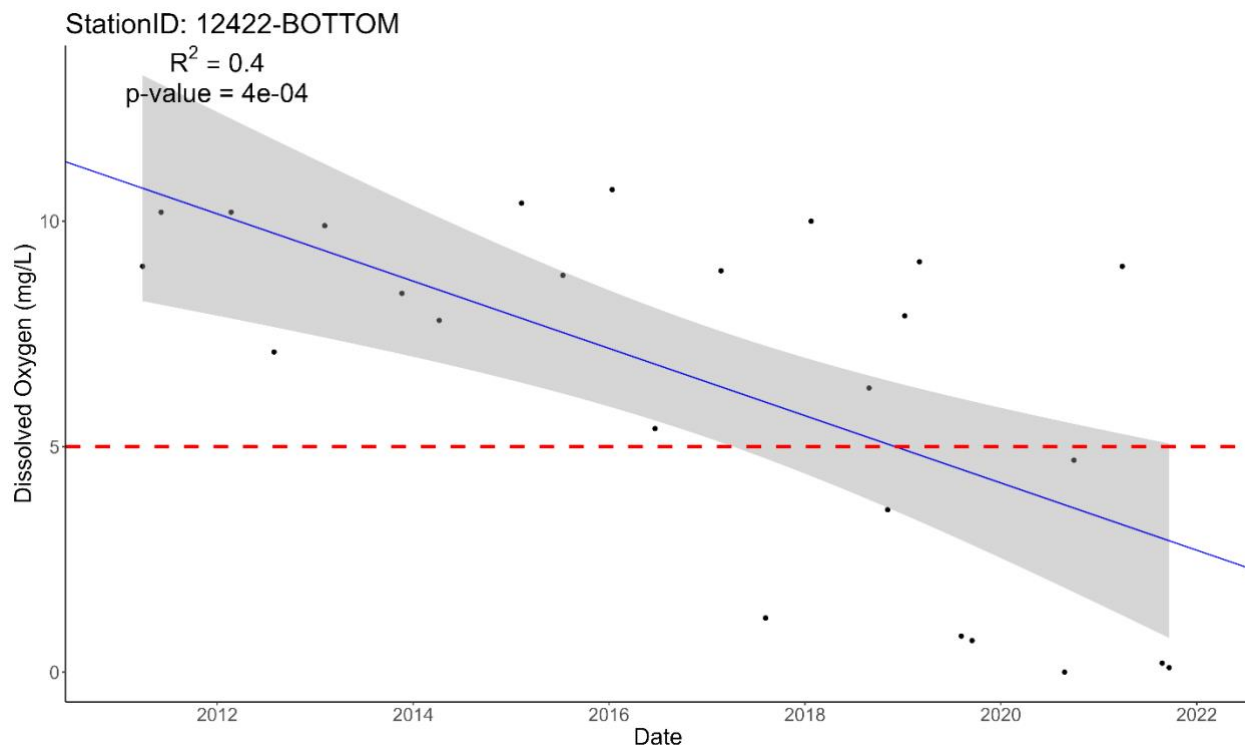
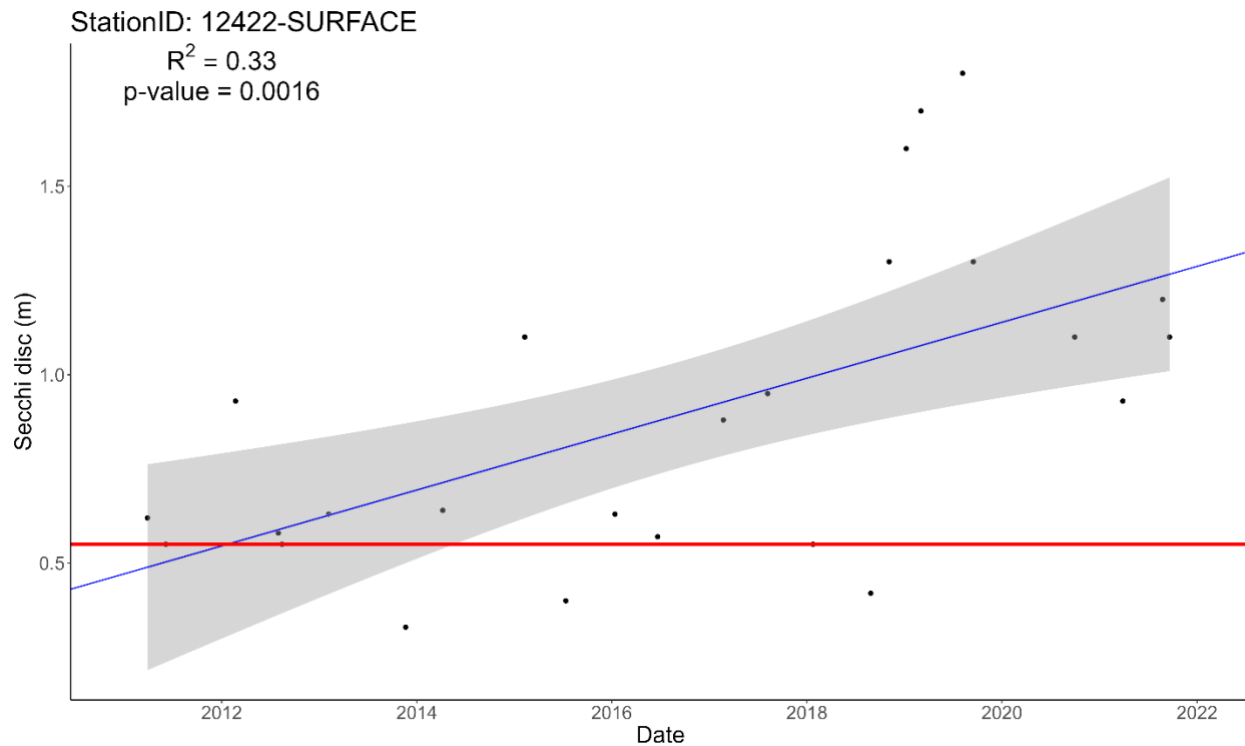
StationID: 12419-SURFACE



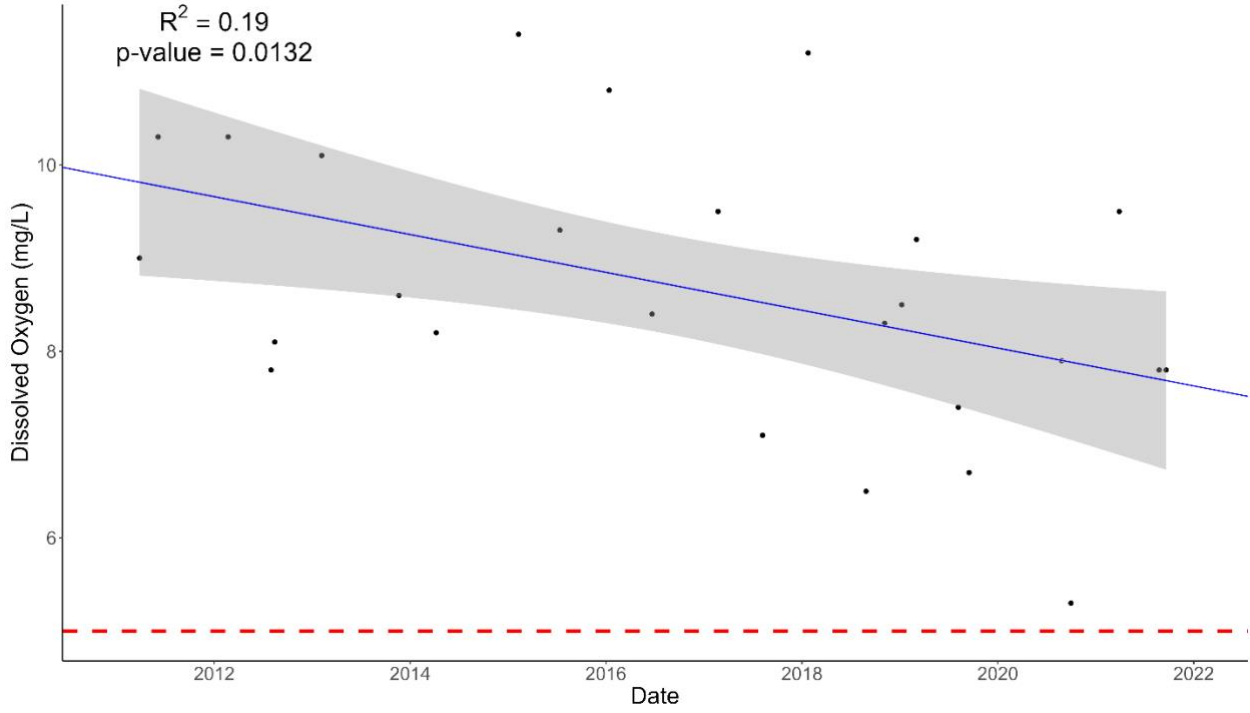
StationID: 12419-SURFACE



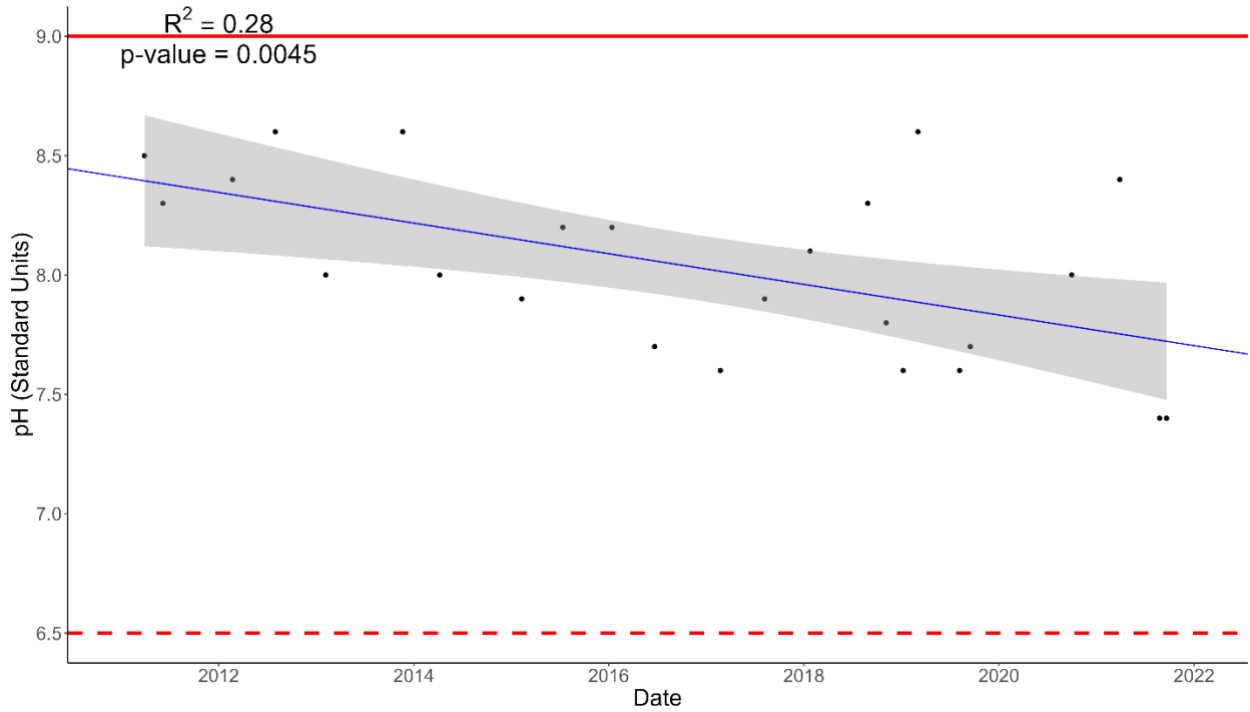
1423 – Twin Buttes Reservoir



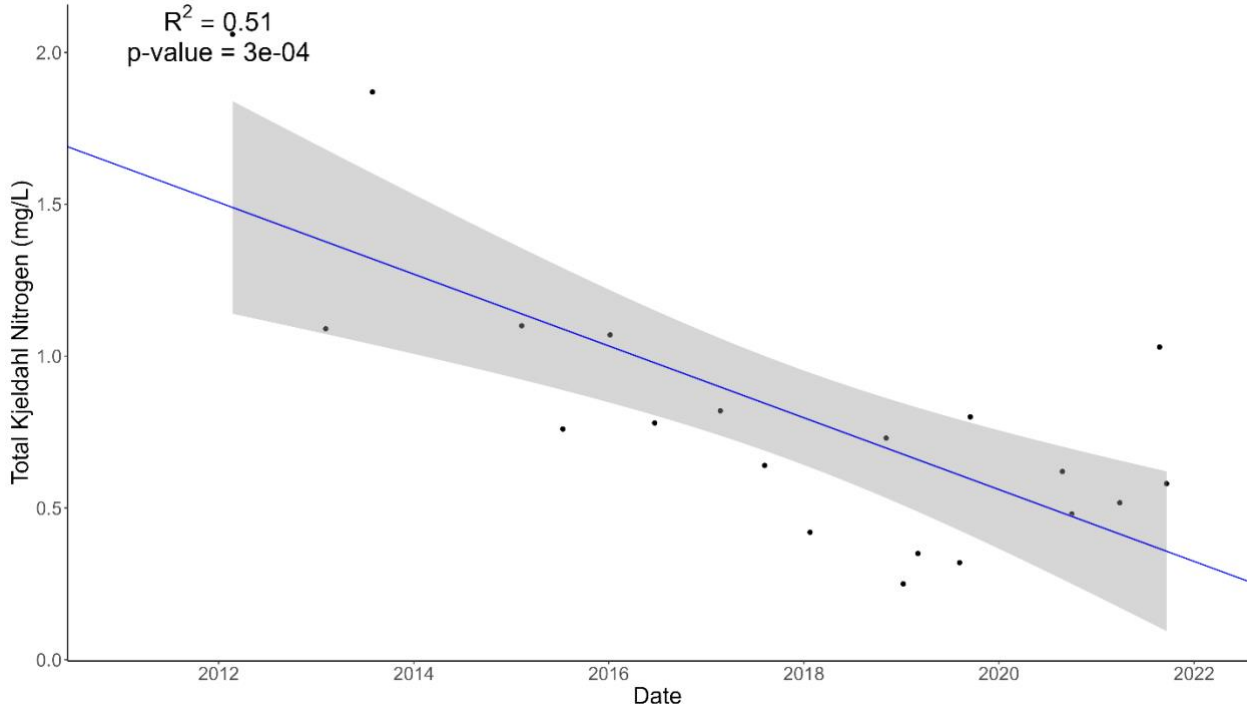
StationID: 12422-SURFACE



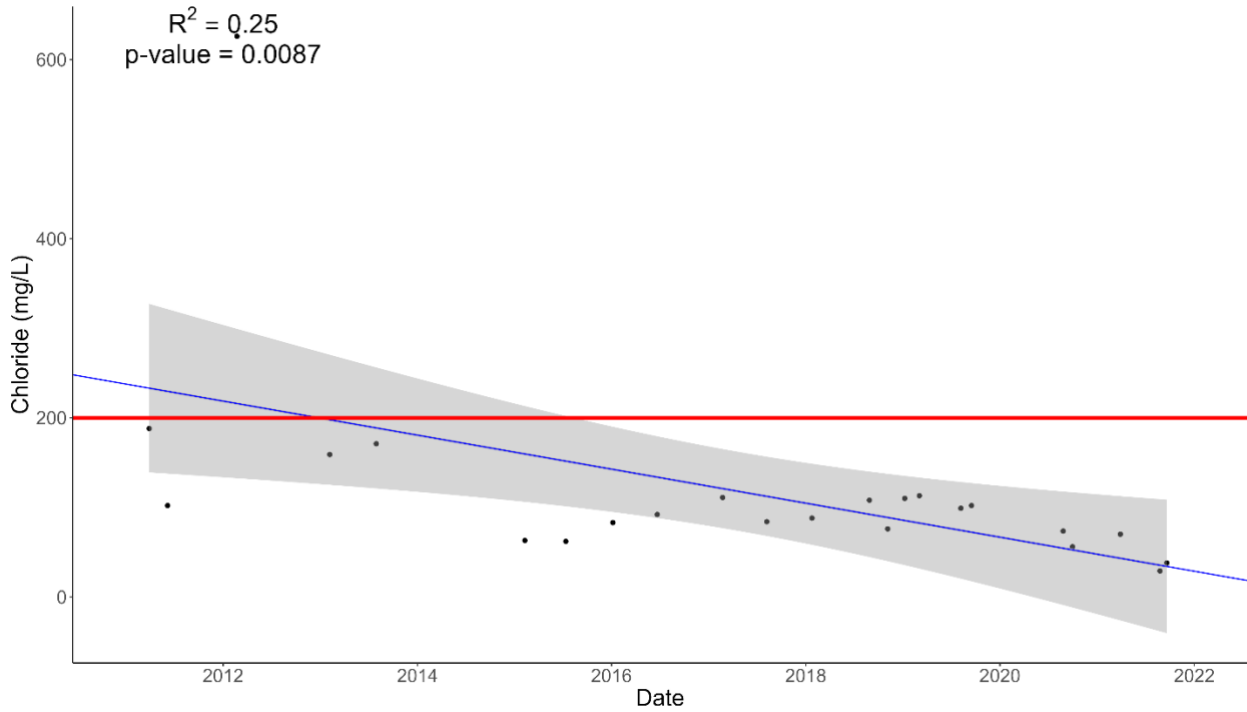
StationID: 12422-BOTTOM



StationID: 12425-SURFACE

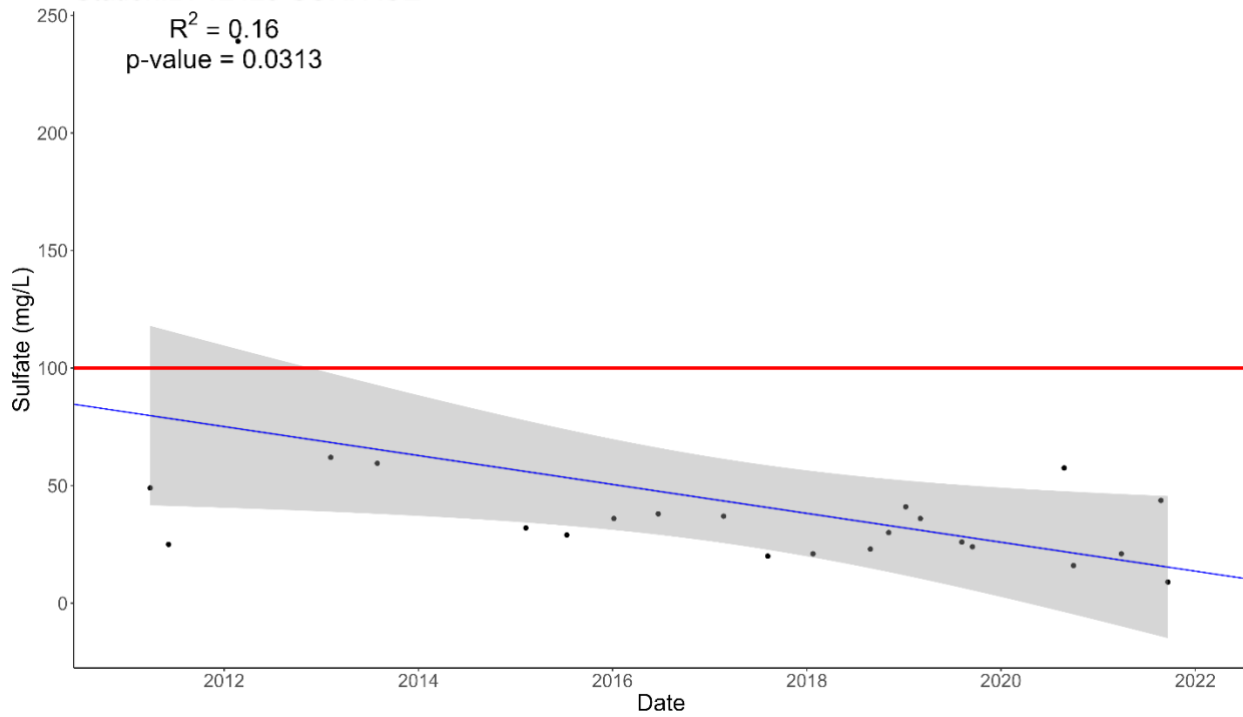


StationID: 12425-SURFACE



StationID: 12425-SURFACE

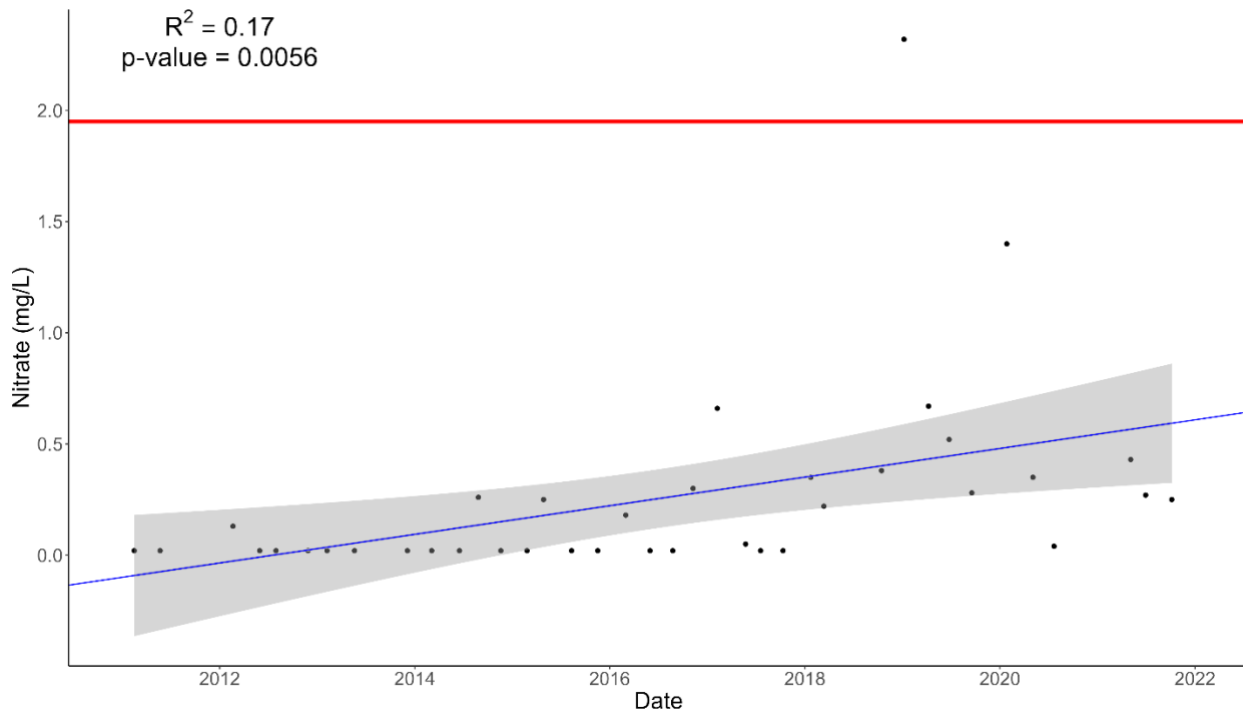
$R^2 = 0.16$
p-value = 0.0313



1423A – Spring Creek

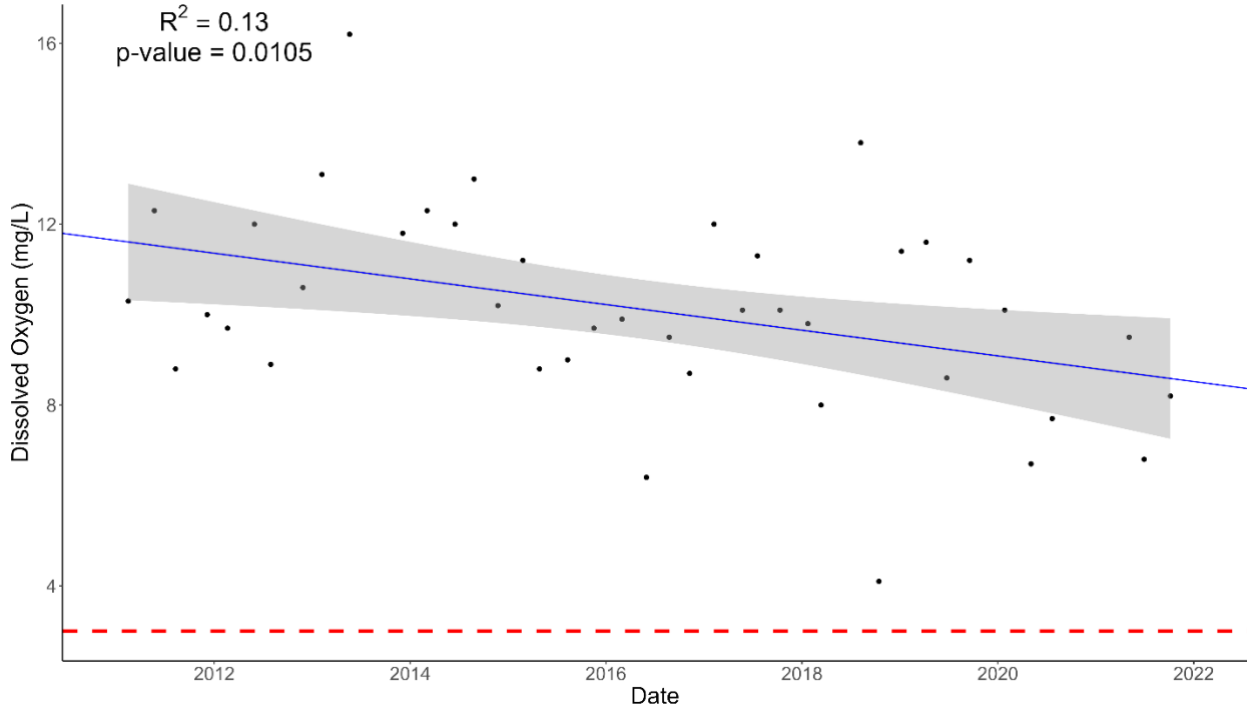
StationID: 12161-SURFACE

$R^2 = 0.17$
p-value = 0.0056



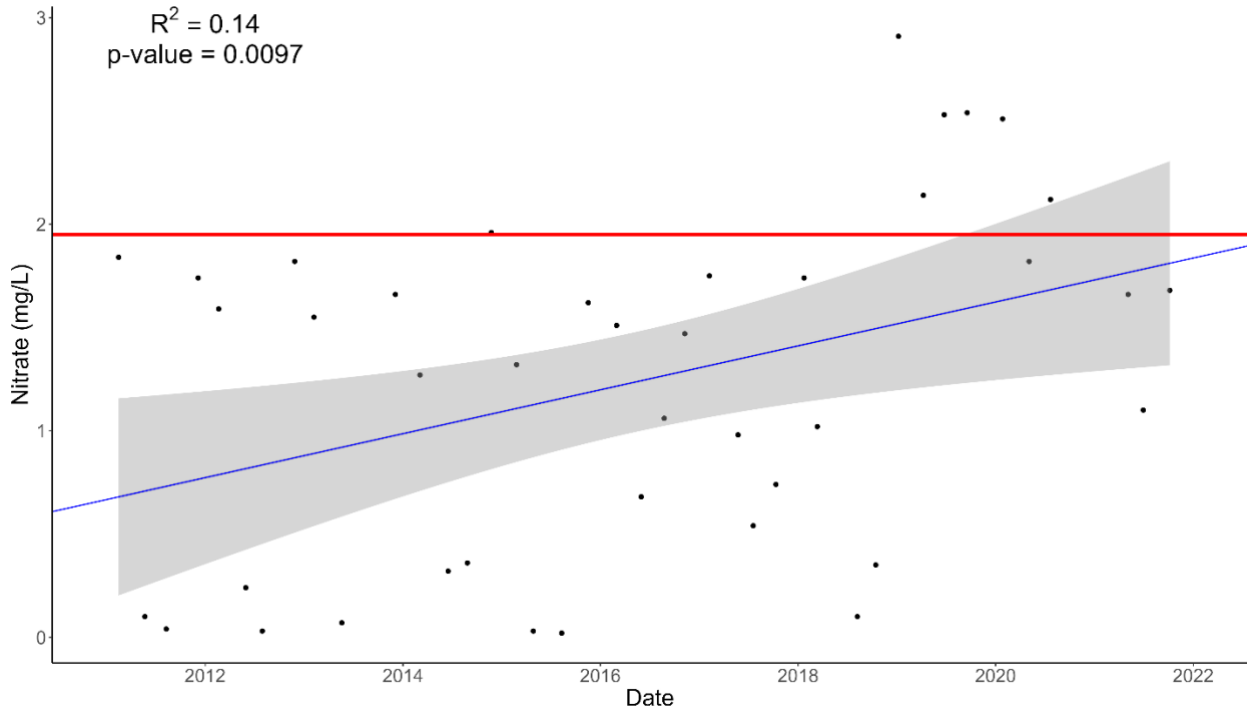
StationID: 17346-SURFACE

$R^2 = 0.13$
p-value = 0.0105

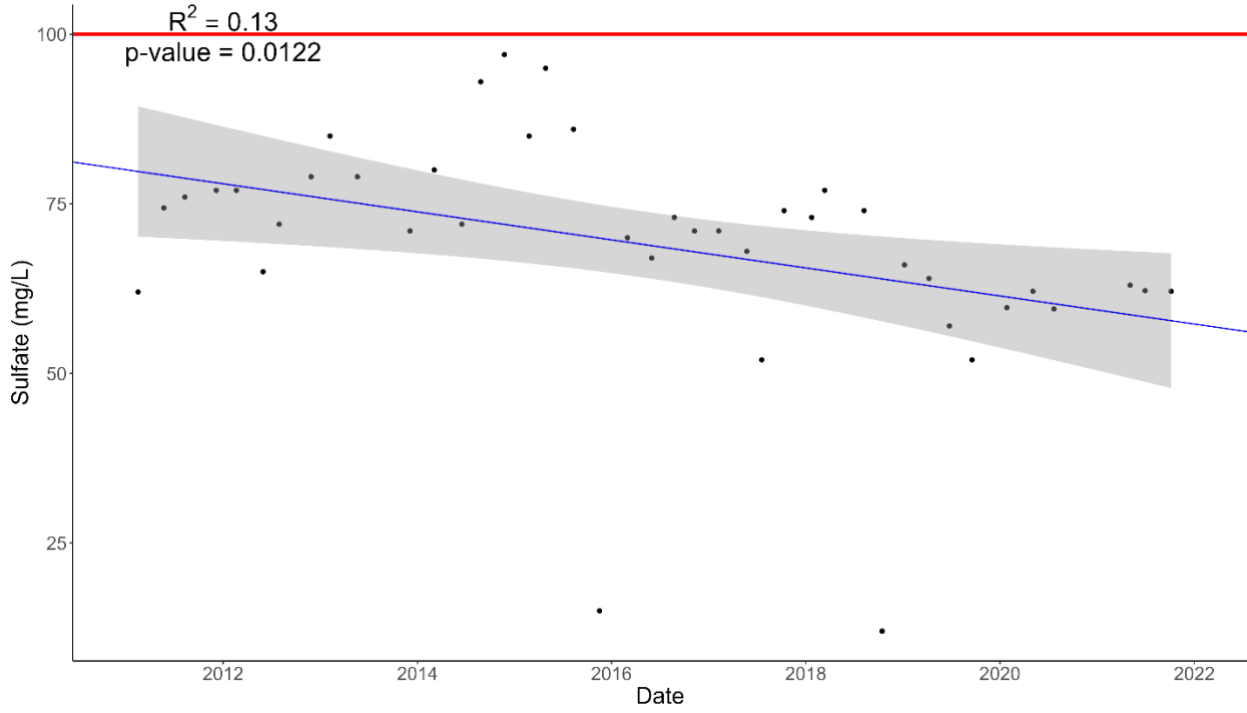


StationID: 17346-SURFACE

$R^2 = 0.14$
p-value = 0.0097

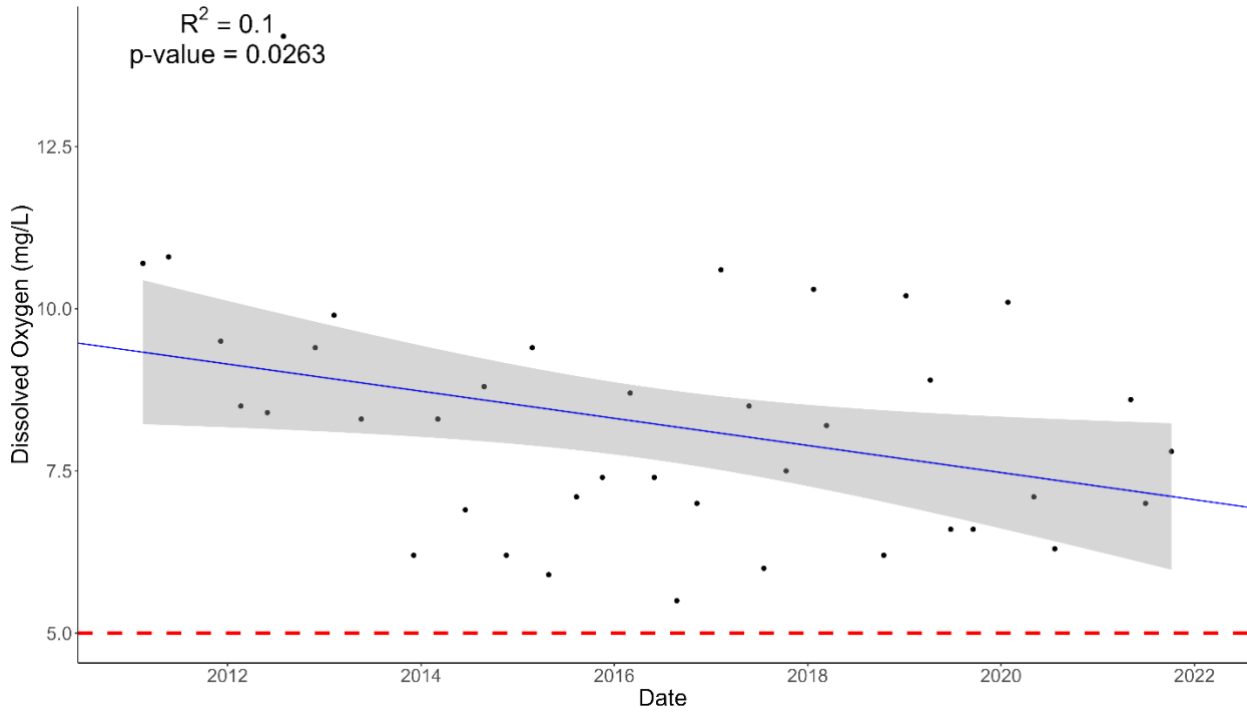


StationID: 17346-SURFACE



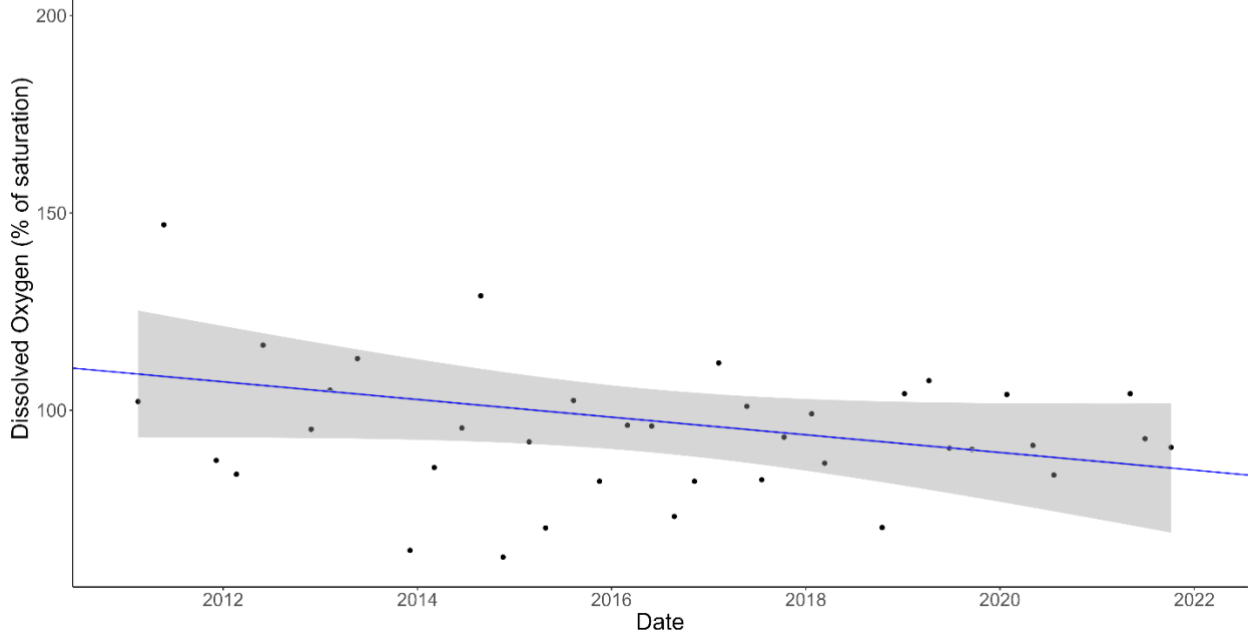
1423B – Dove Creek

StationID: 12166-SURFACE



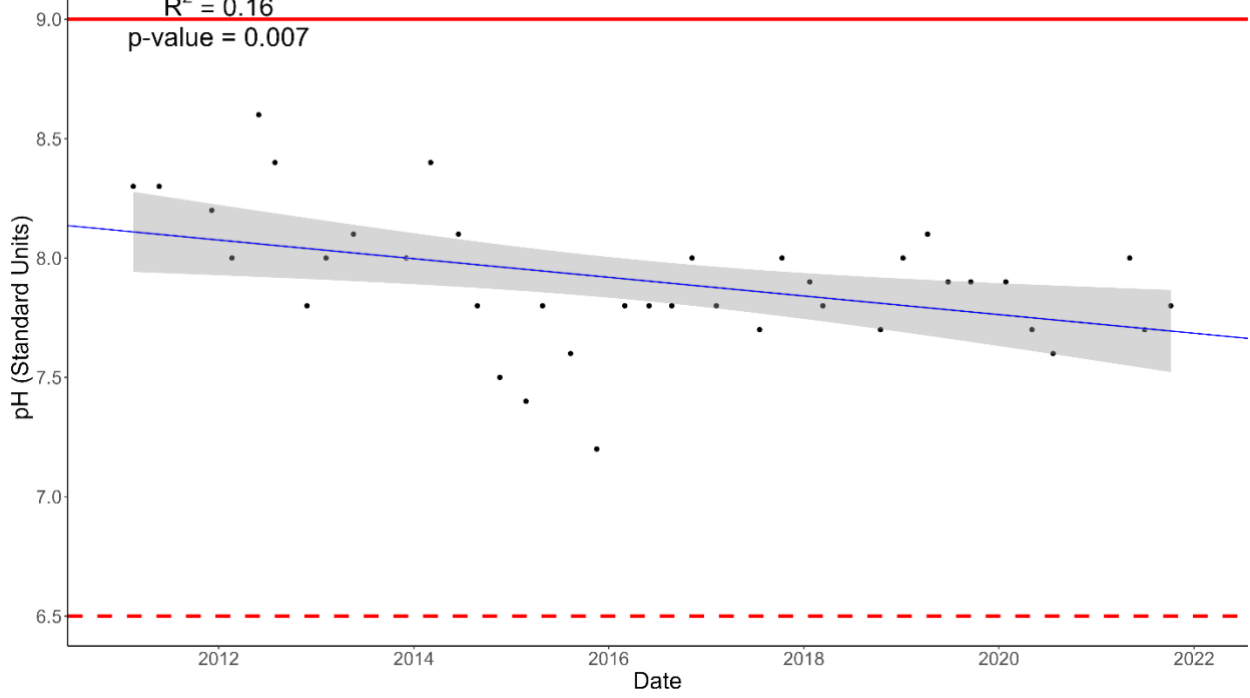
StationID: 12166-SURFACE

$R^2 = 0.05$
p-value = 0.0956



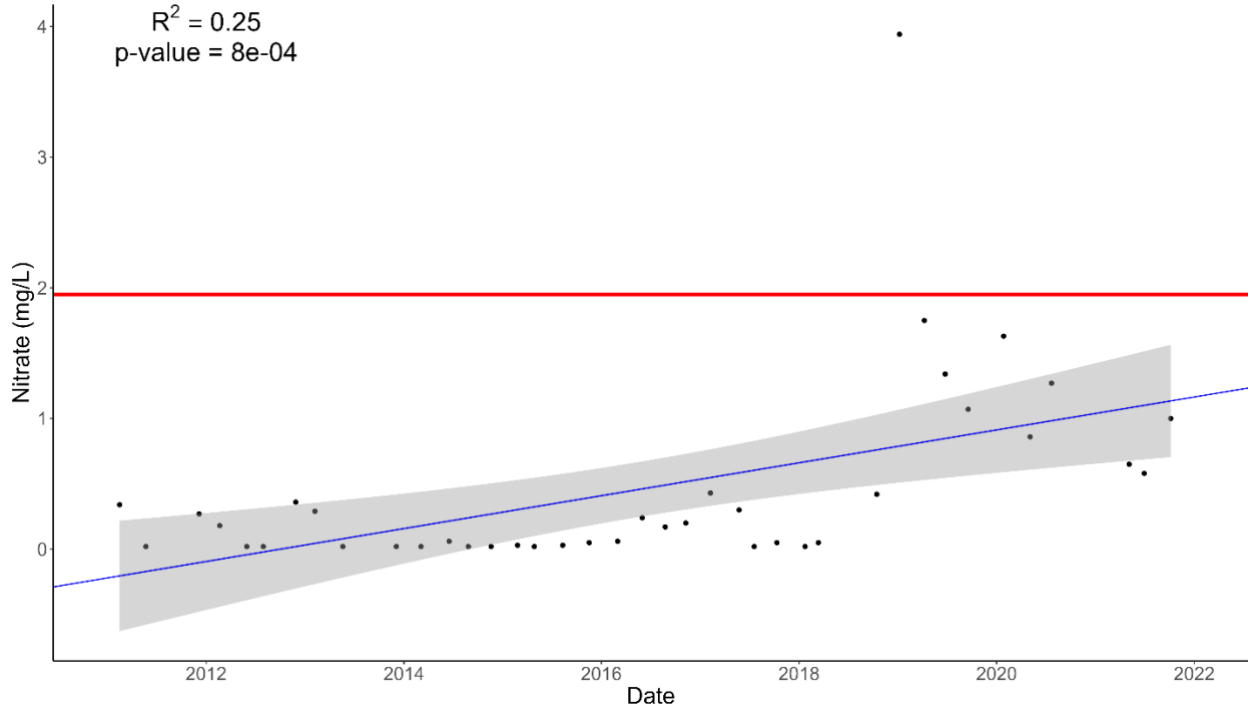
StationID: 12166-SURFACE

$R^2 = 0.16$
p-value = 0.007



StationID: 12166-SURFACE

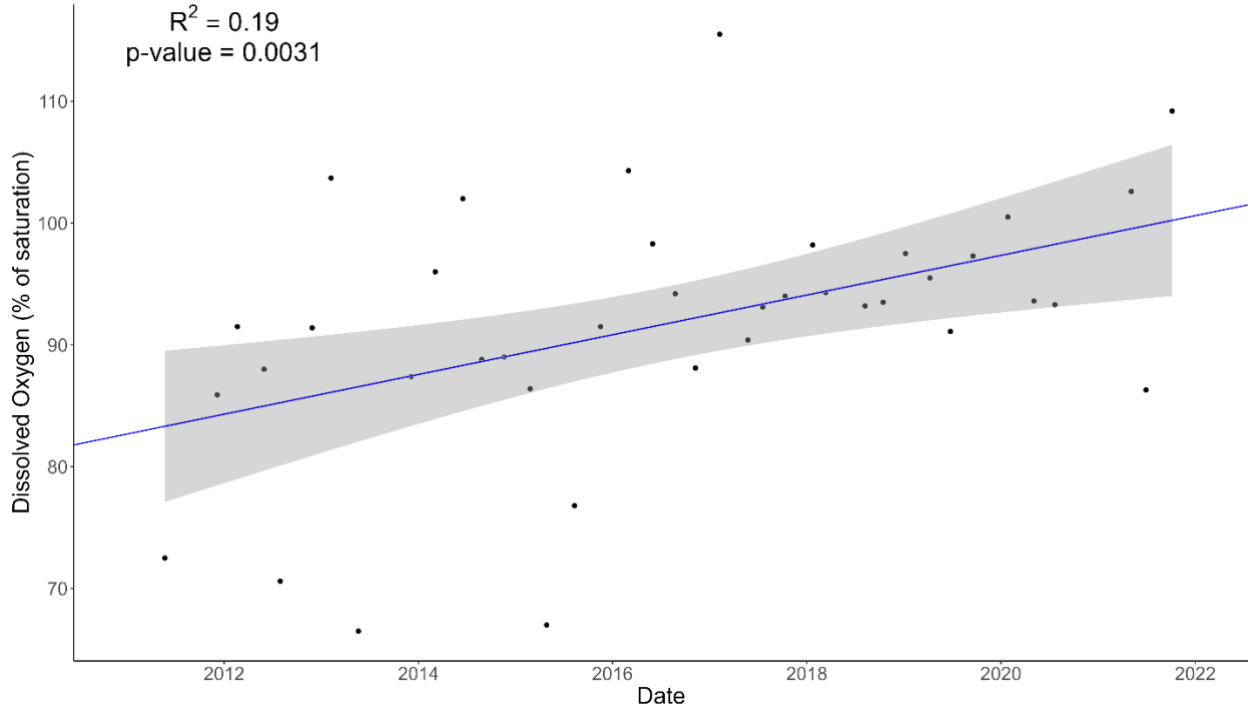
$R^2 = 0.25$
p-value = $8e-04$



1424 – Middle and South Concho Rivers

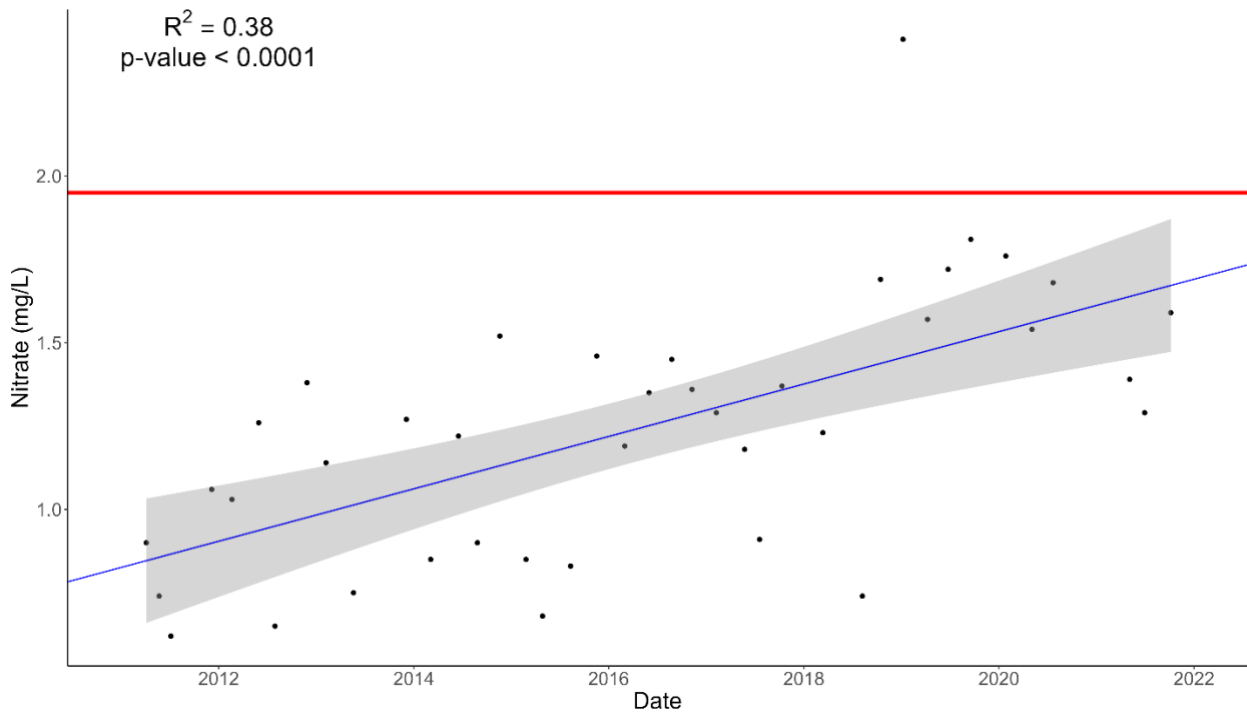
StationID: 12427-SURFACE

$R^2 = 0.19$
p-value = 0.0031



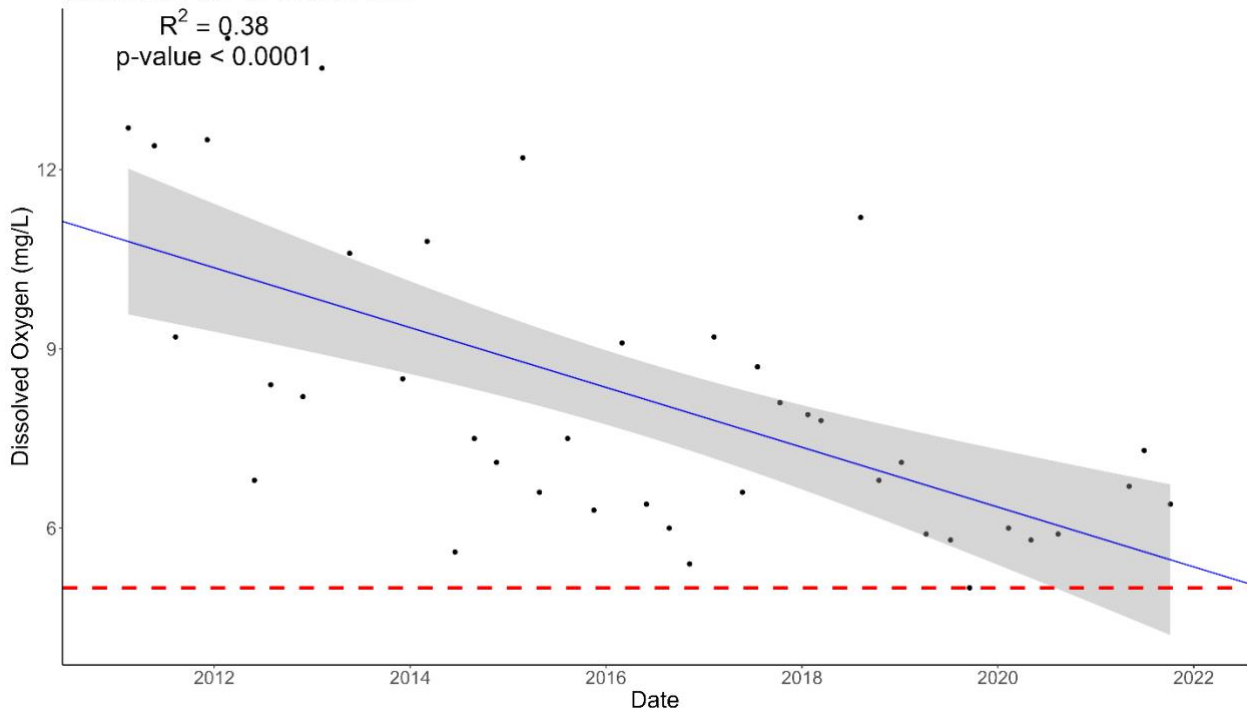
StationID: 12427-SURFACE

$R^2 = 0.38$
p-value < 0.0001



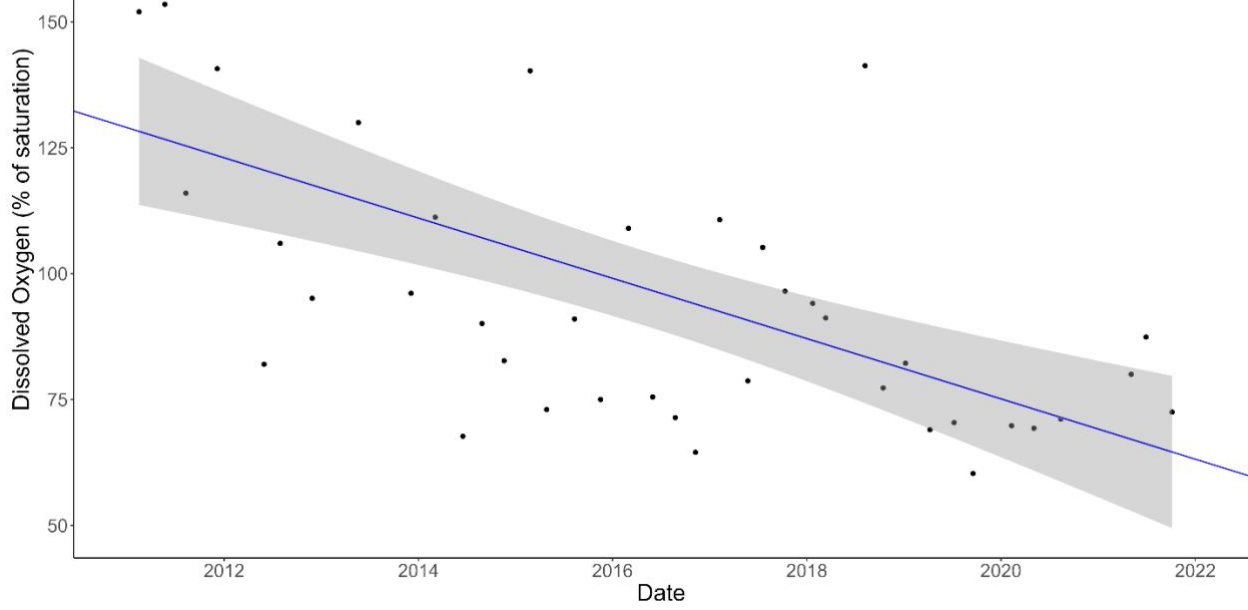
StationID: 18712-SURFACE

$R^2 = 0.38$
p-value < 0.0001



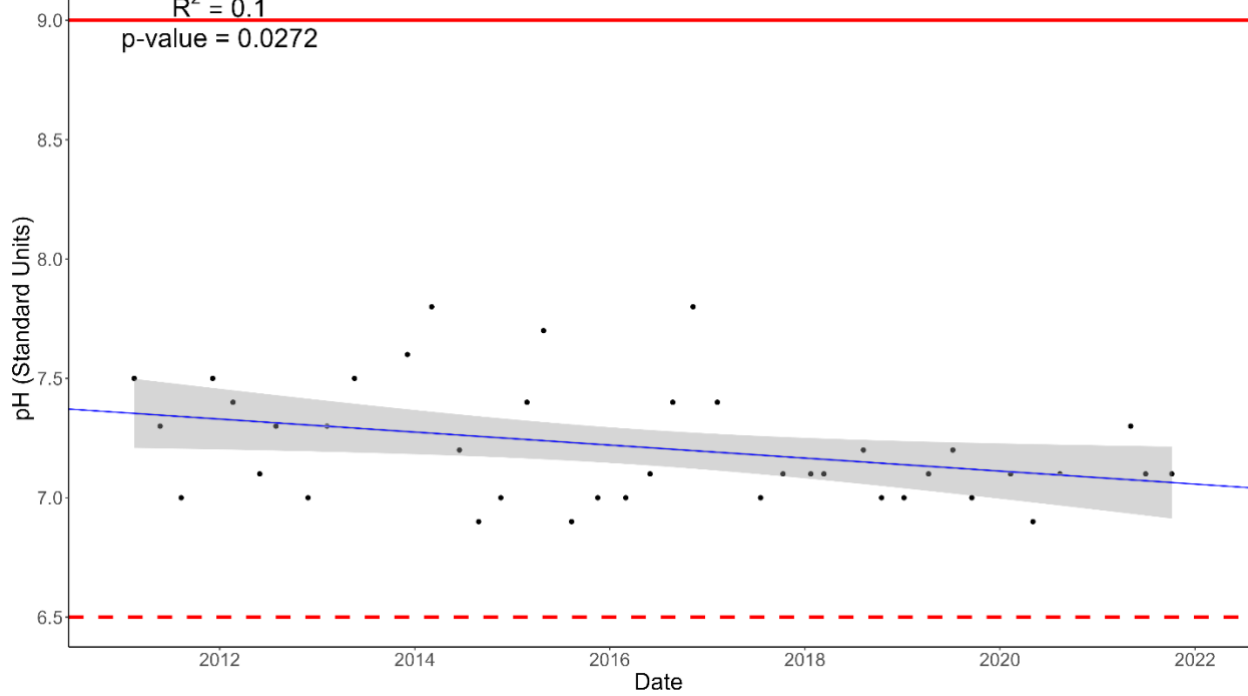
StationID: 18712-SURFACE

$R^2 = 0.37$
p-value < 0.0001

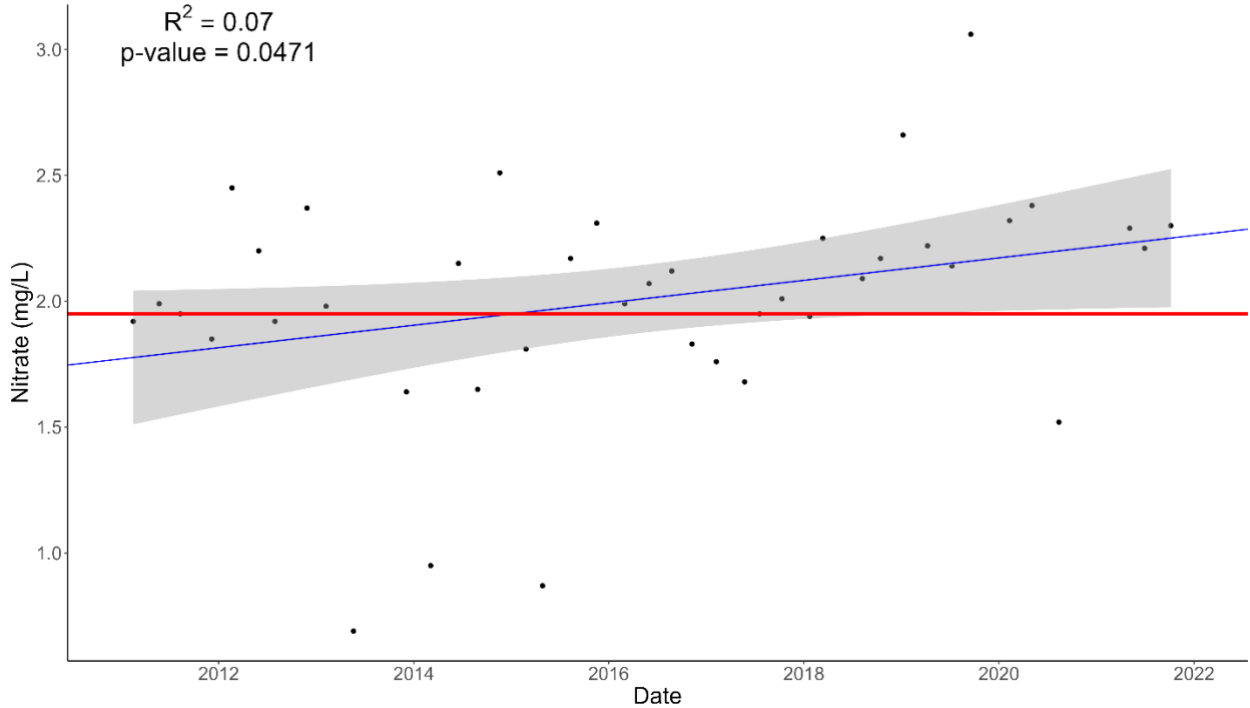


StationID: 18712-SURFACE

$R^2 = 0.1$
p-value = 0.0272

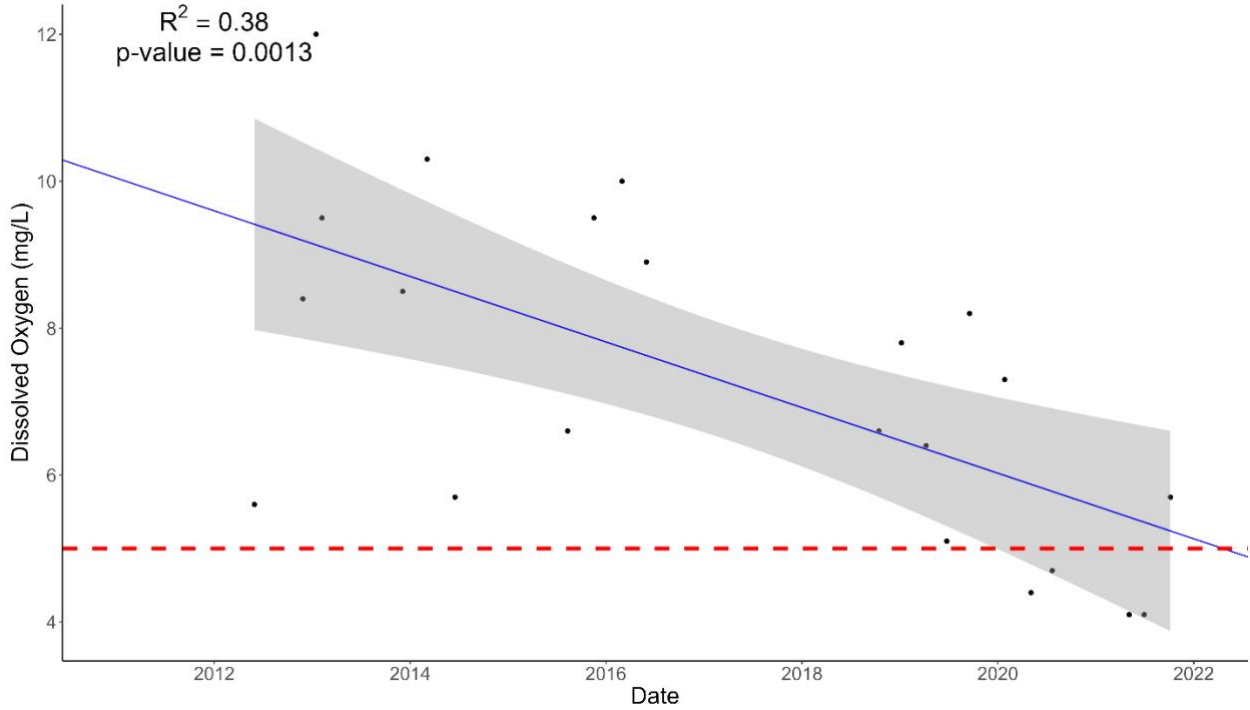


StationID: 18712-SURFACE



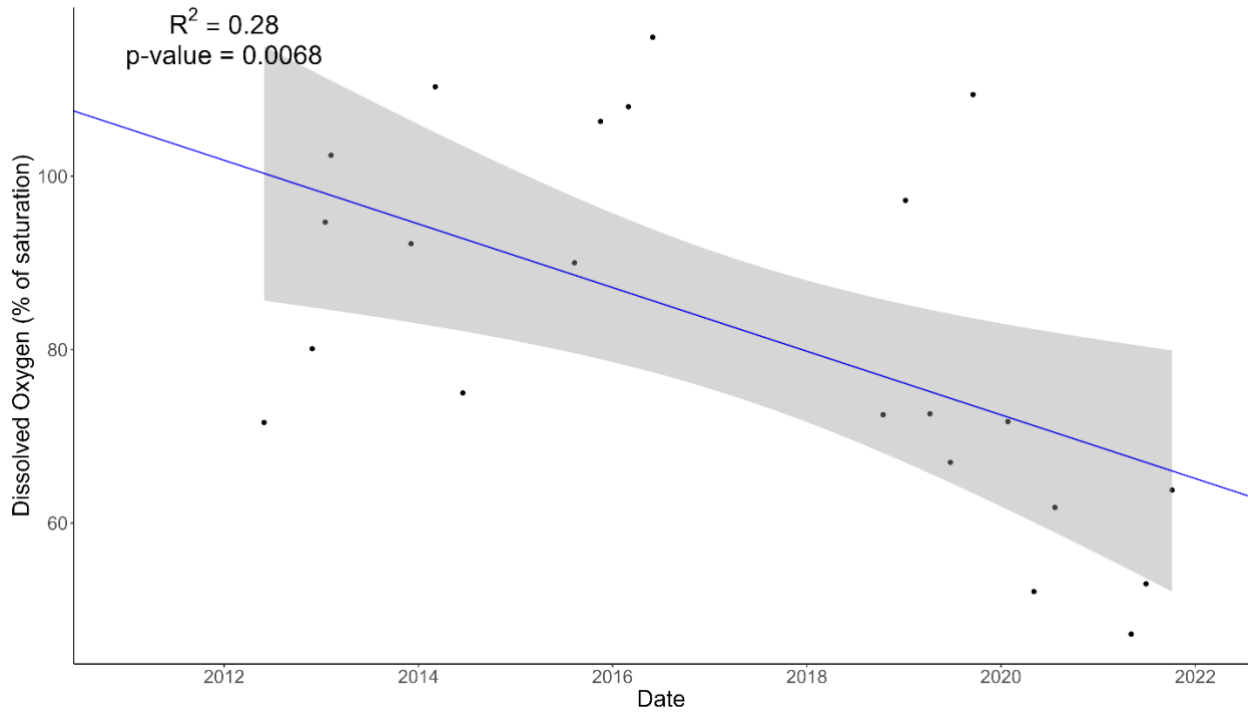
1424A – West Rocky Creek

StationID: 12165-SURFACE



StationID: 12165-SURFACE

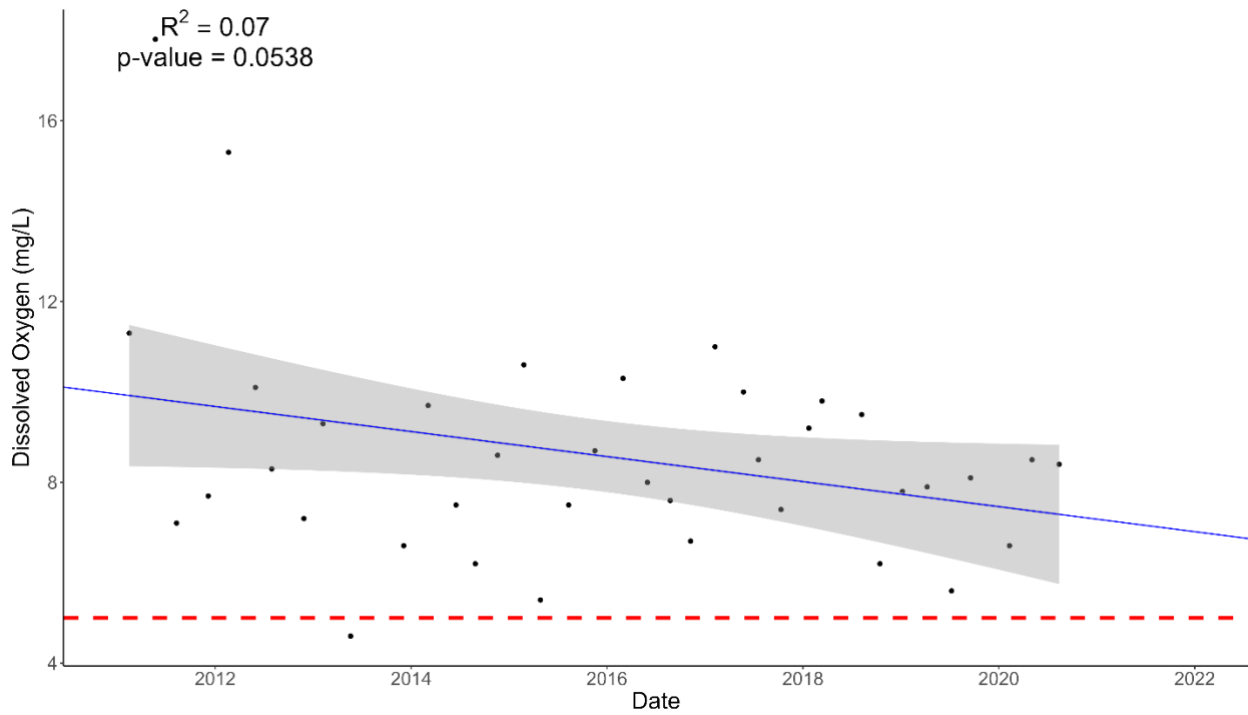
$R^2 = 0.28$
p-value = 0.0068



1424B – Cold Creek

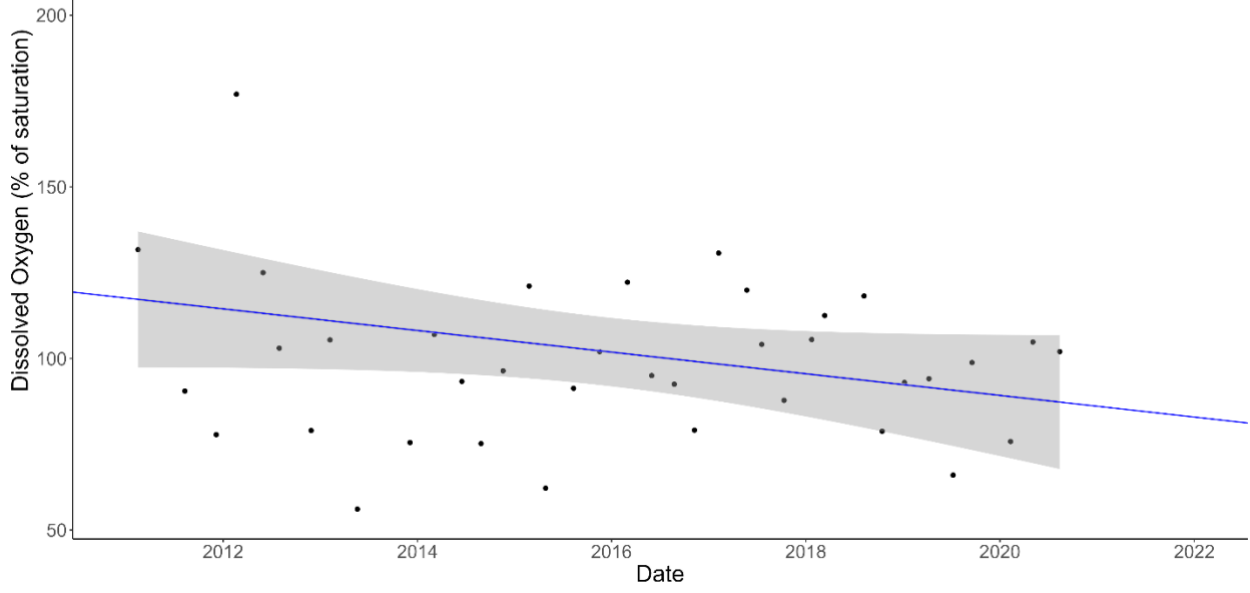
StationID: 18711-SURFACE

$R^2 = 0.07$
p-value = 0.0538



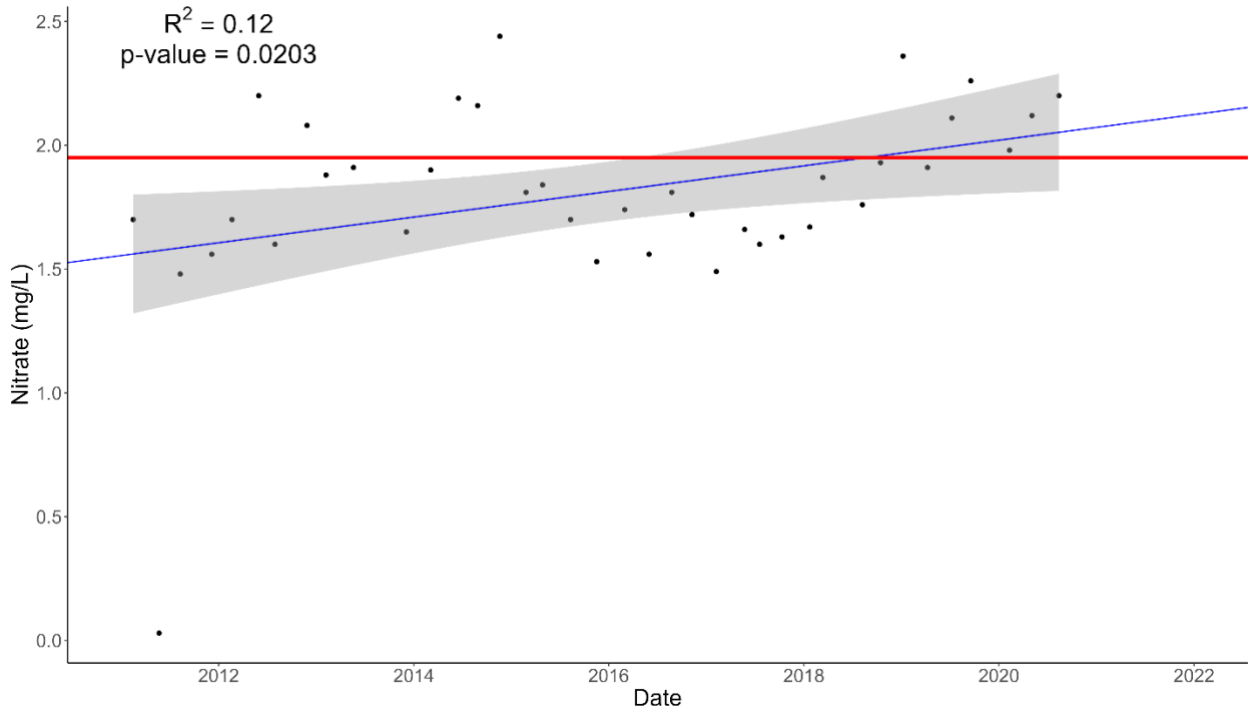
StationID: 18711-SURFACE

$R^2 = 0.06$
 $p\text{-value} = 0.0814$

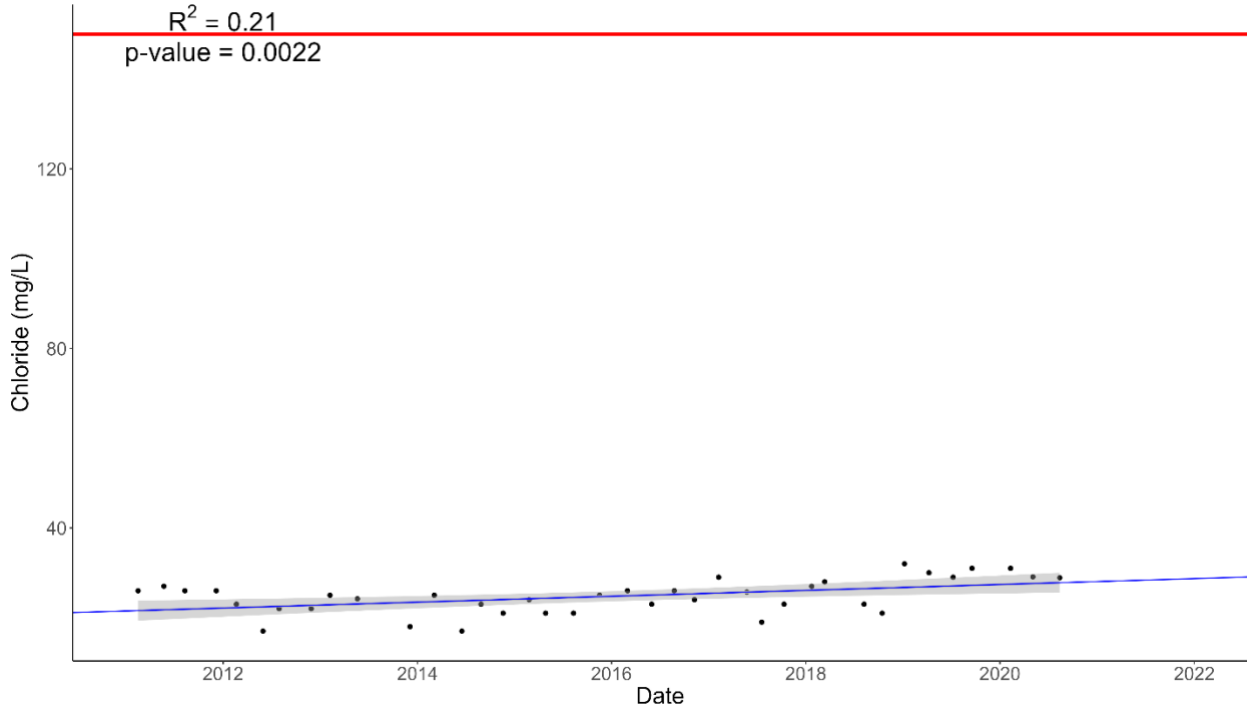


StationID: 18711-SURFACE

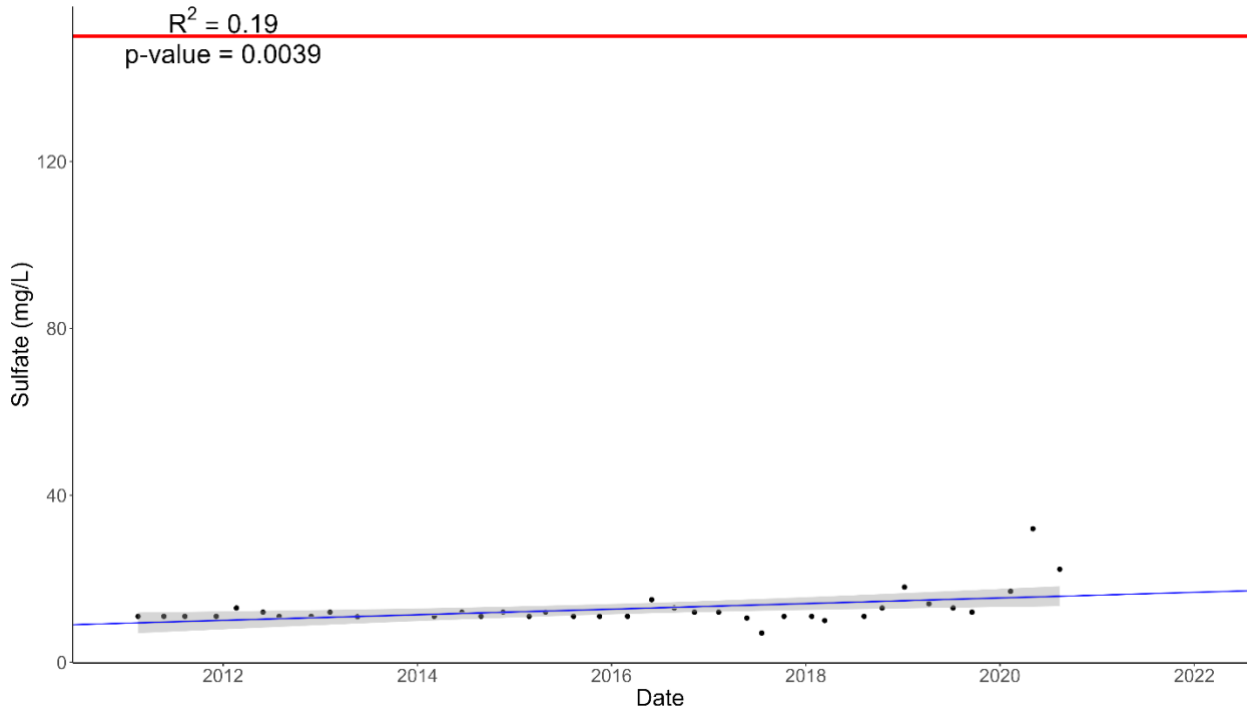
$R^2 = 0.12$
 $p\text{-value} = 0.0203$



StationID: 18711-SURFACE



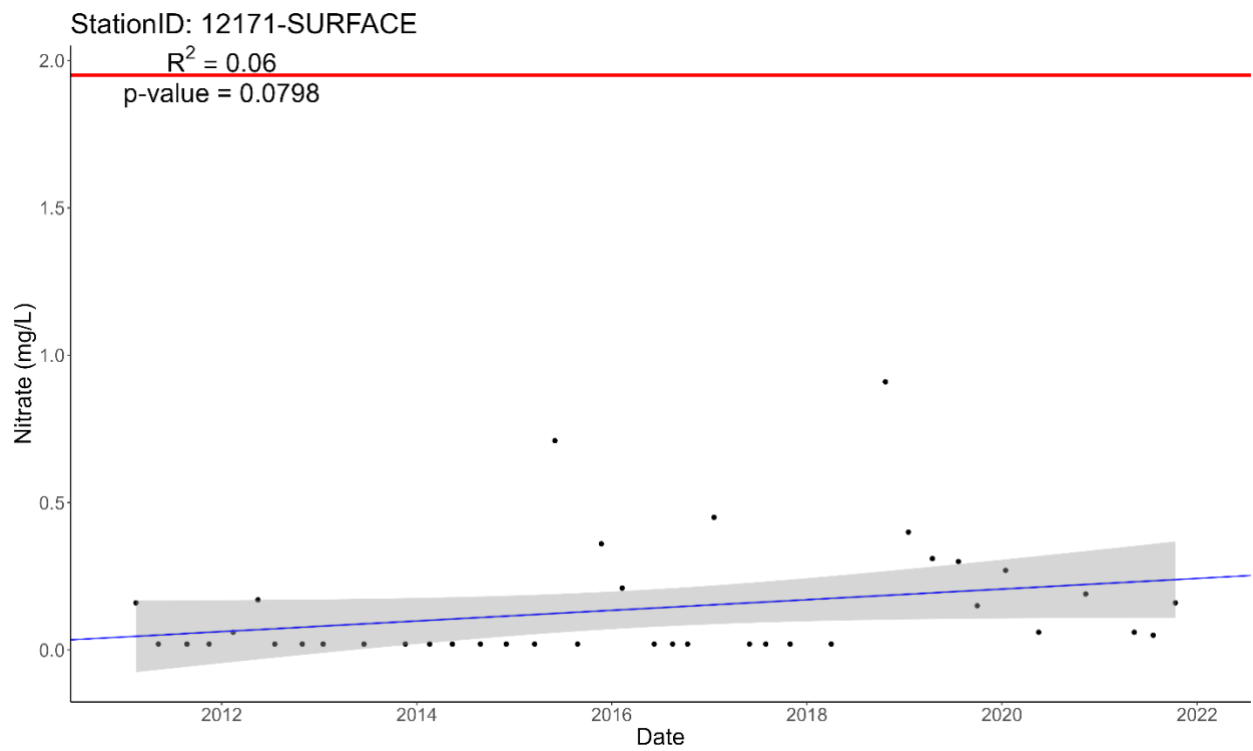
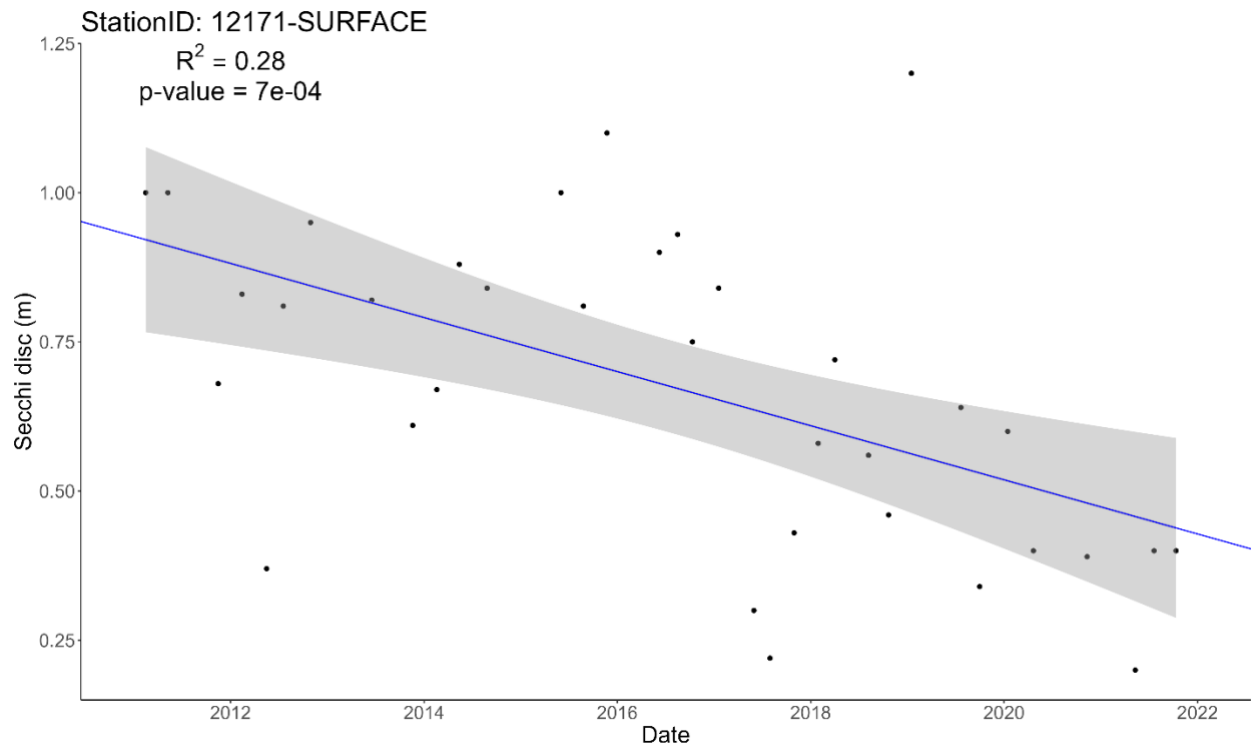
StationID: 18711-SURFACE



1425 – O.C. Fisher Lake

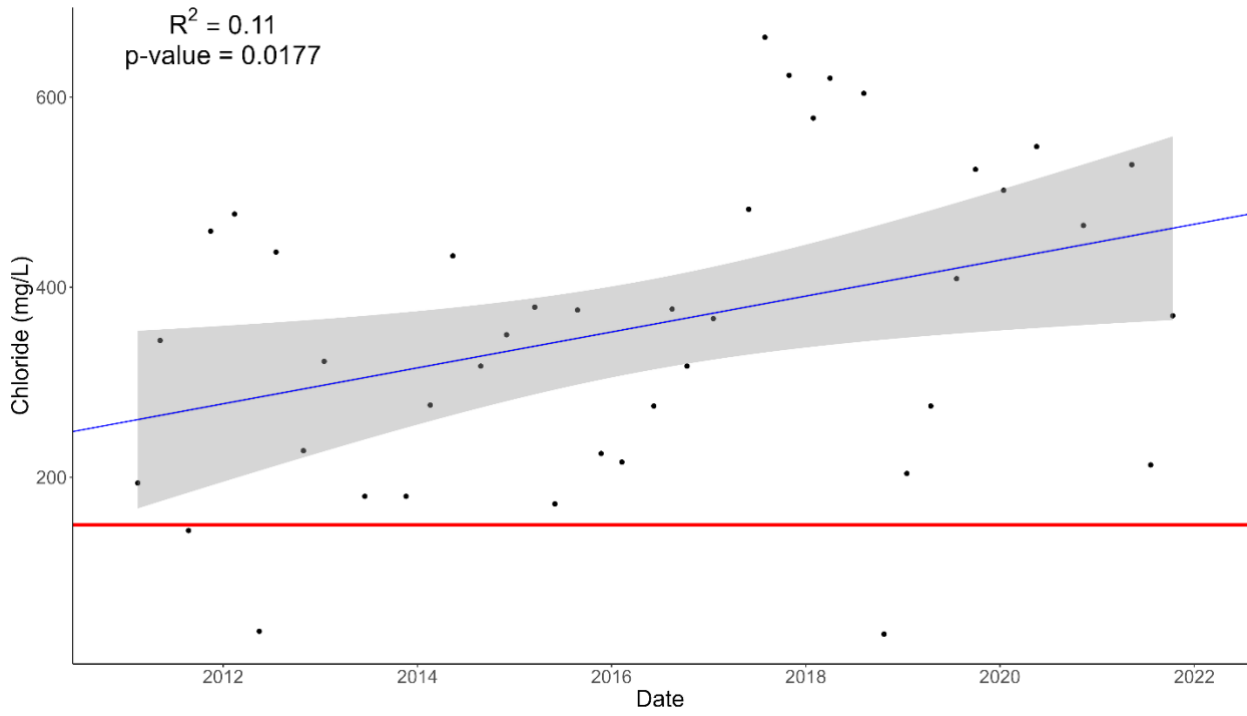
No significant trends.

1425A – North Concho River



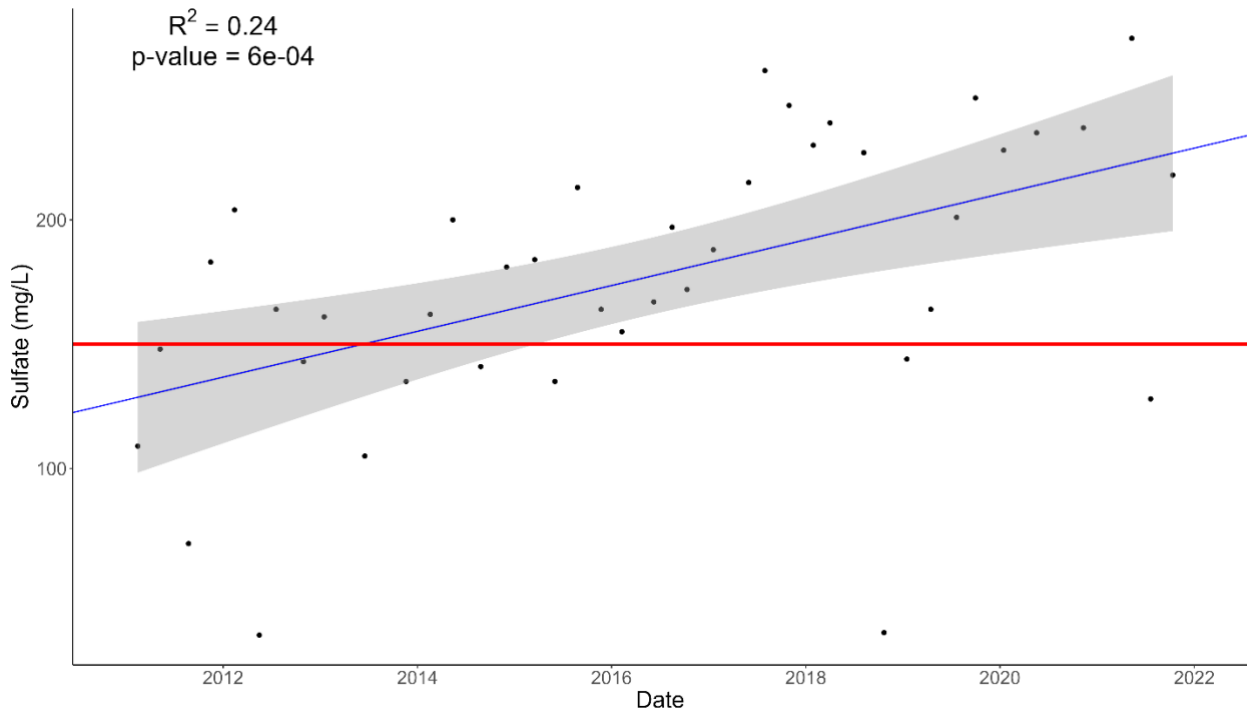
StationID: 12171-SURFACE

$R^2 = 0.11$
p-value = 0.0177

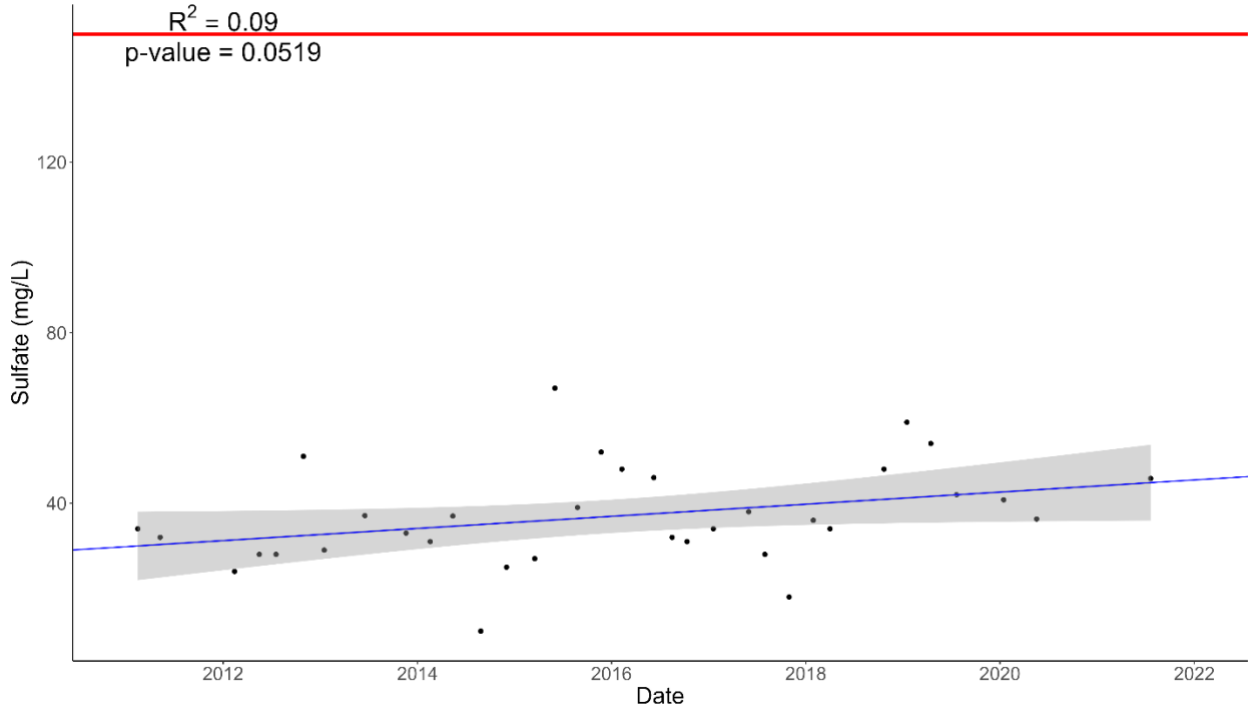


StationID: 12171-SURFACE

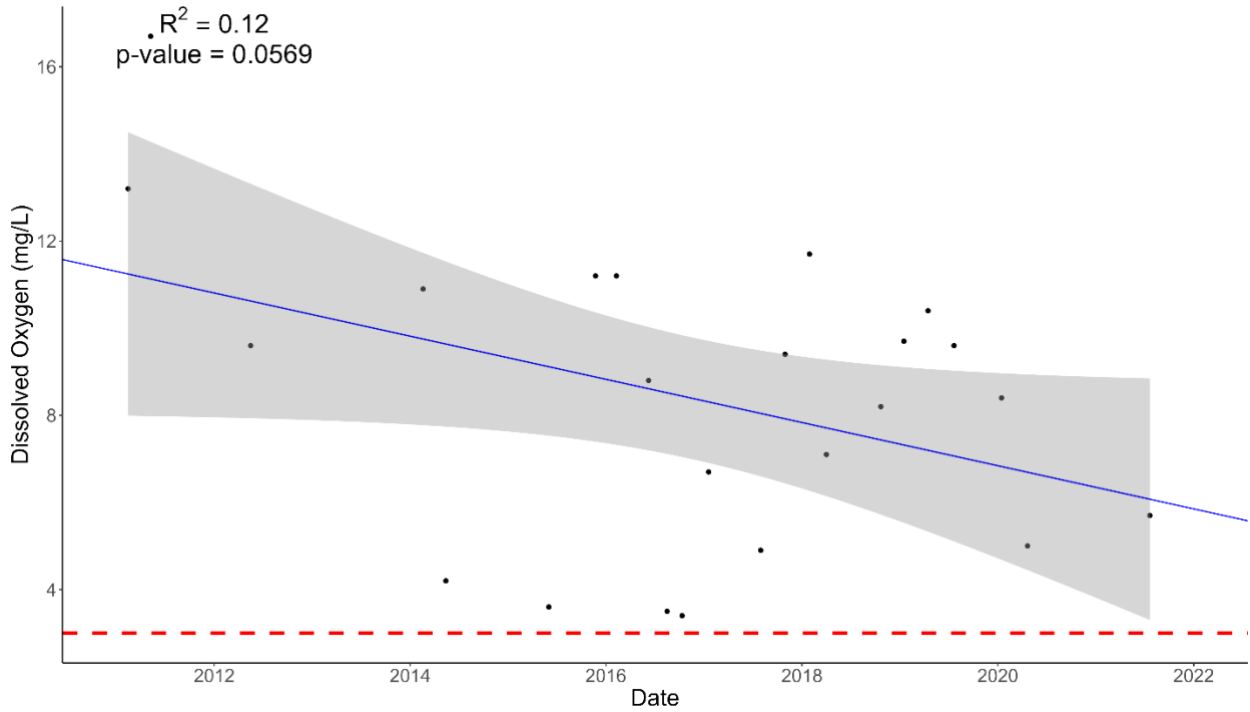
$R^2 = 0.24$
p-value = 6e-04



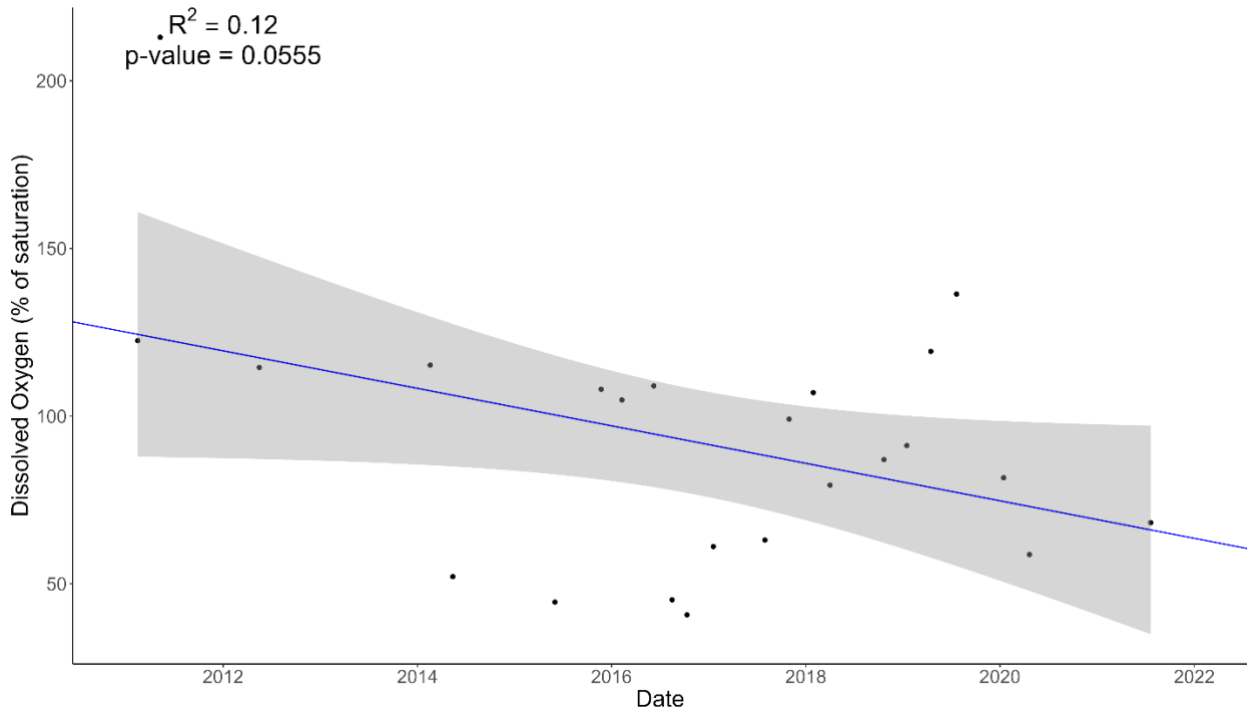
StationID: 17350-SURFACE



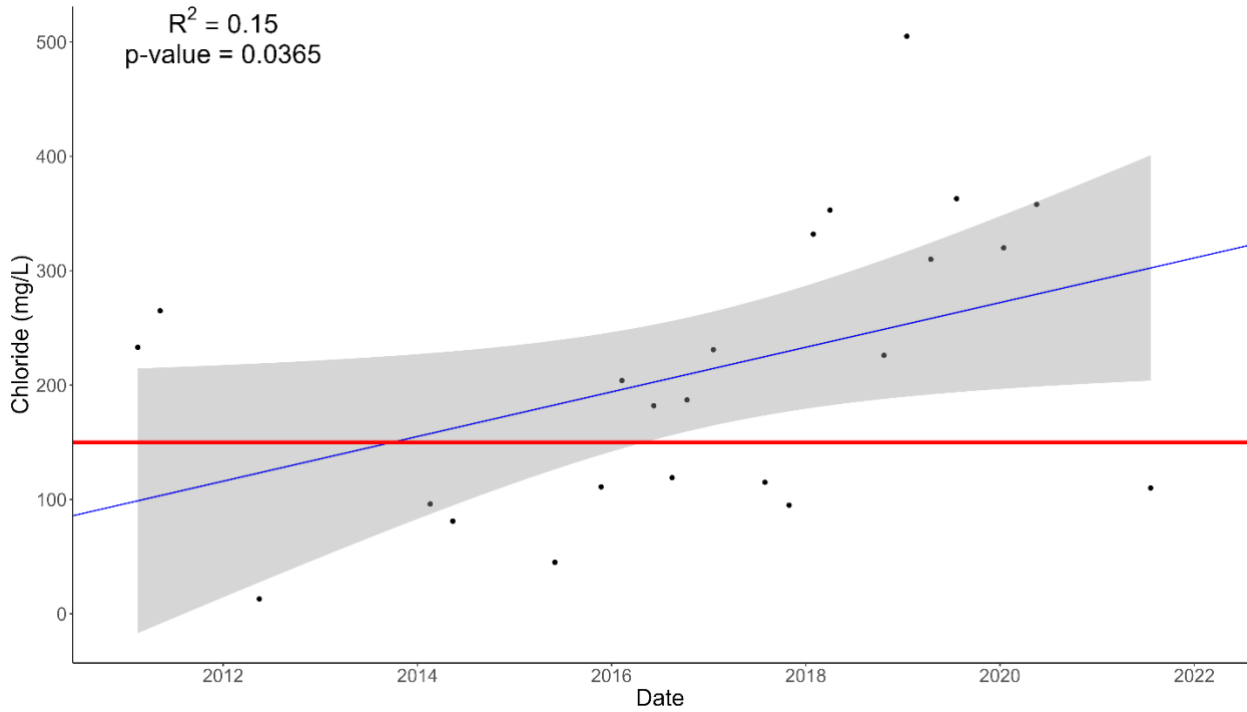
StationID: 16779-SURFACE



StationID: 16779-SURFACE

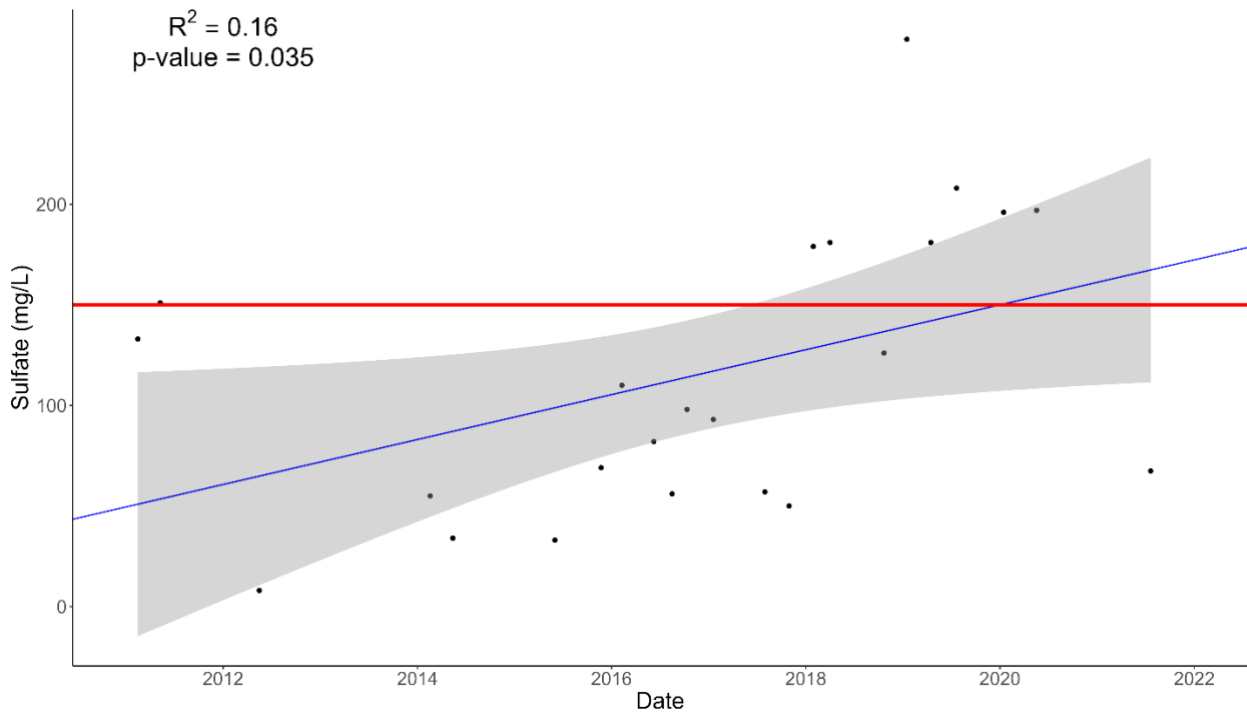


StationID: 16779-SURFACE



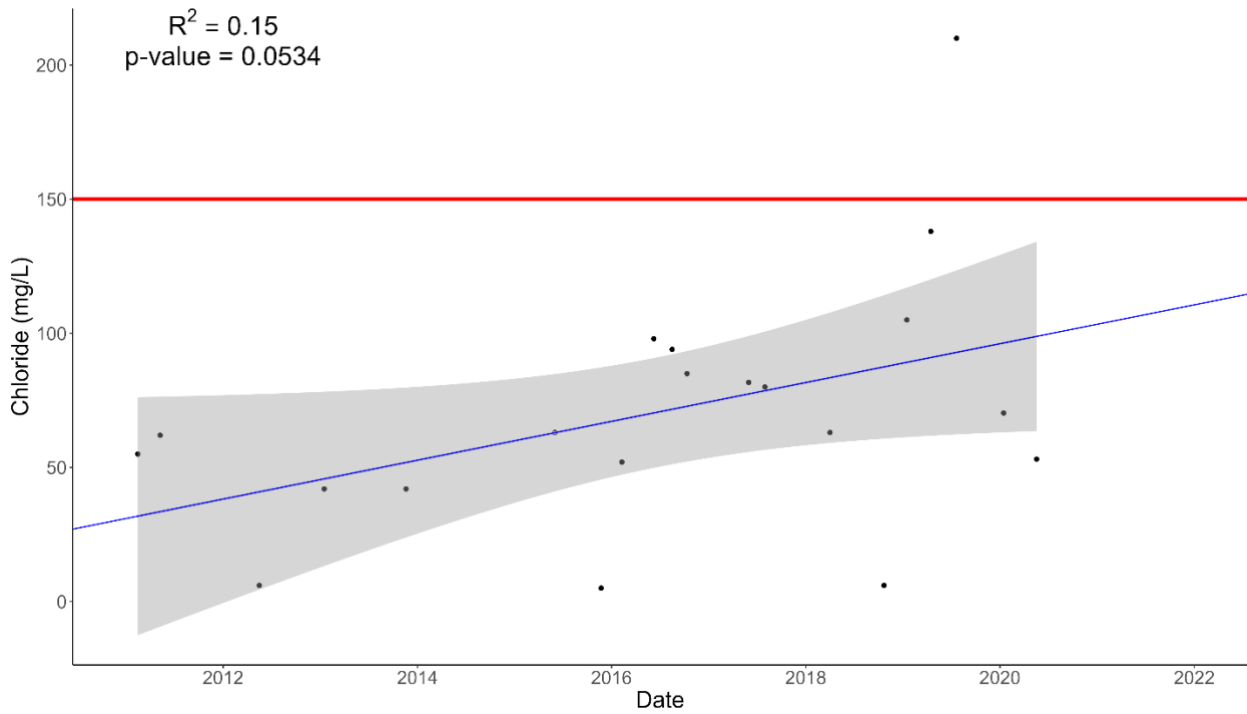
StationID: 16779-SURFACE

$R^2 = 0.16$
p-value = 0.035



StationID: 16780-SURFACE

$R^2 = 0.15$
p-value = 0.0534



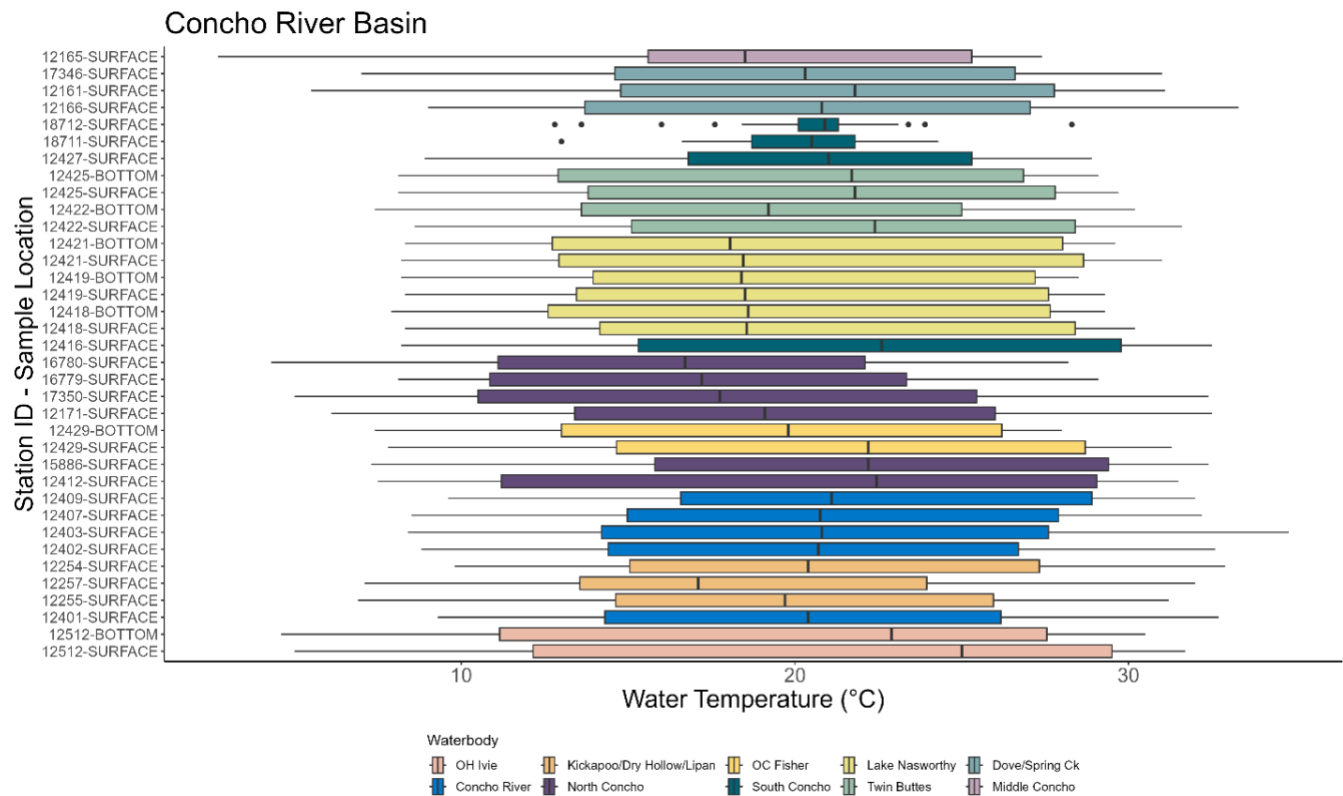
1433 – O.H. Ivie Reservoir

No significant trends.

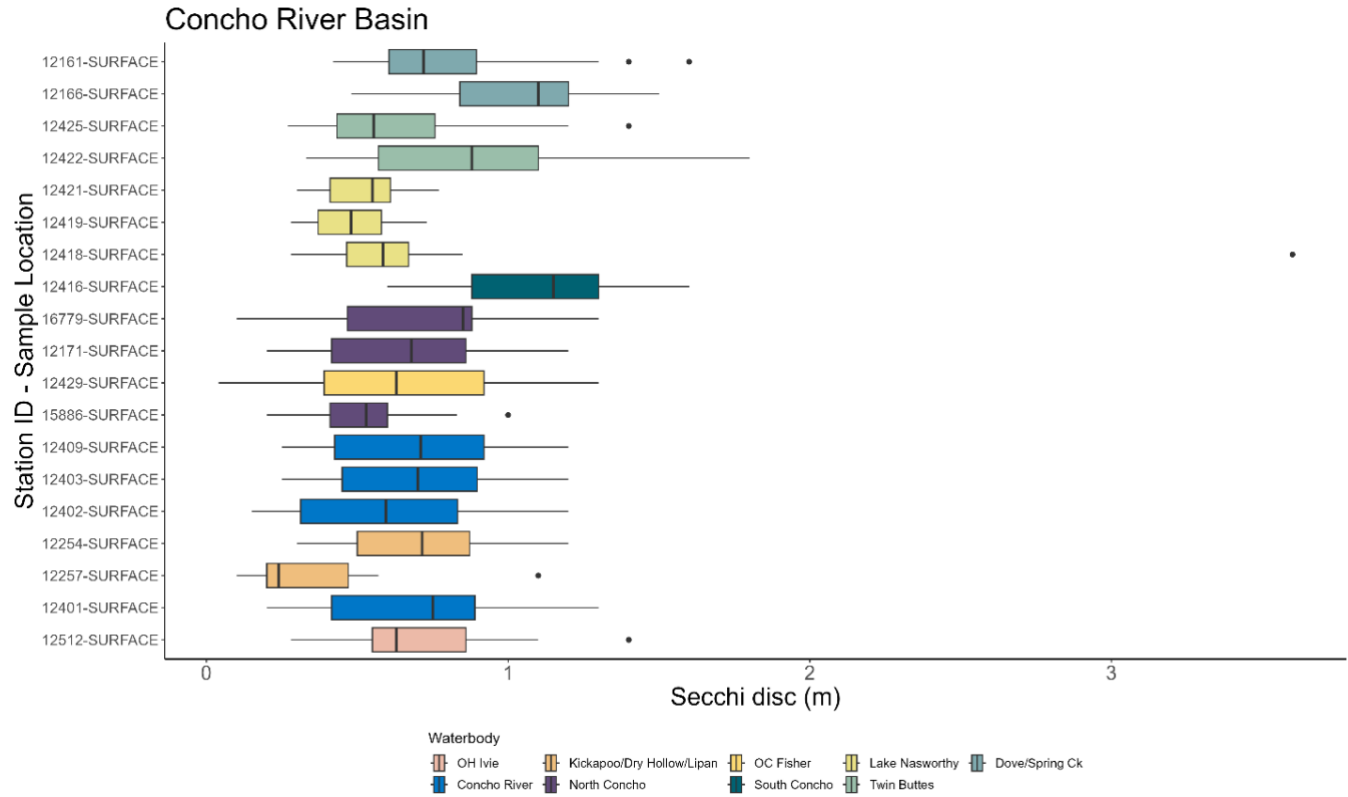
Appendix X3

Spatial comparison of parameters collected within Concho River Basin. Boxplots of each parameter are presented first followed by a table of site-by-site comparisons using a Tukey-HSD analysis. Only statistically different station comparisons for each parameter are presented (p -value < 0.05).

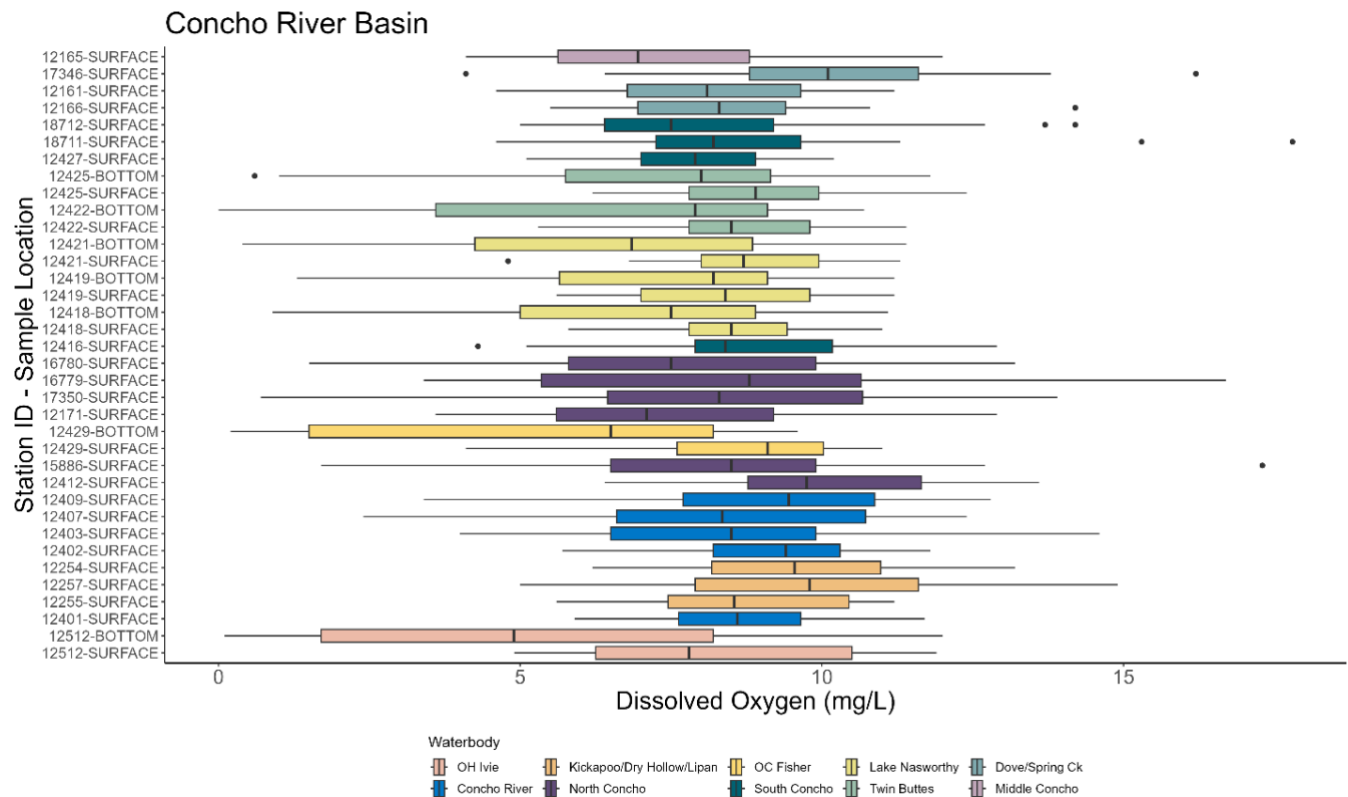
Water Temperature



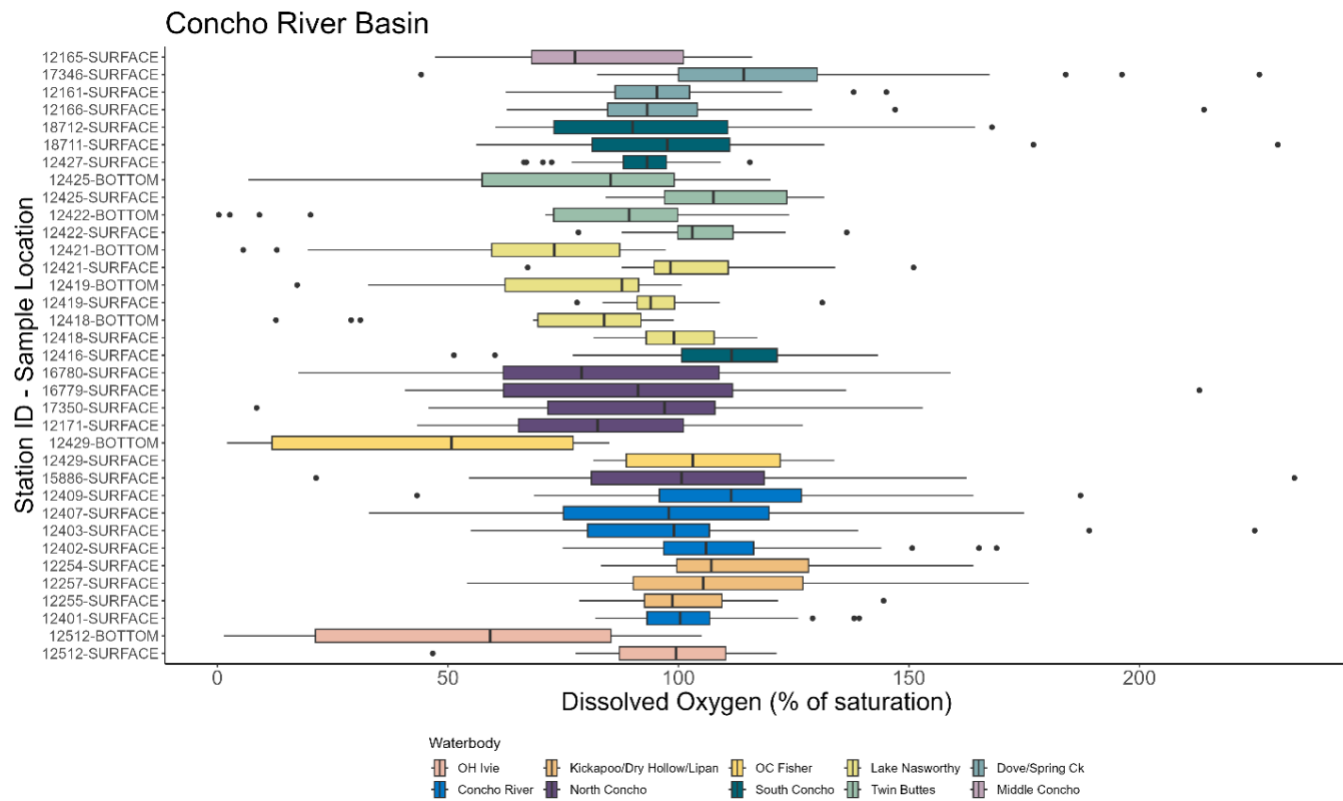
Secchi disc depth



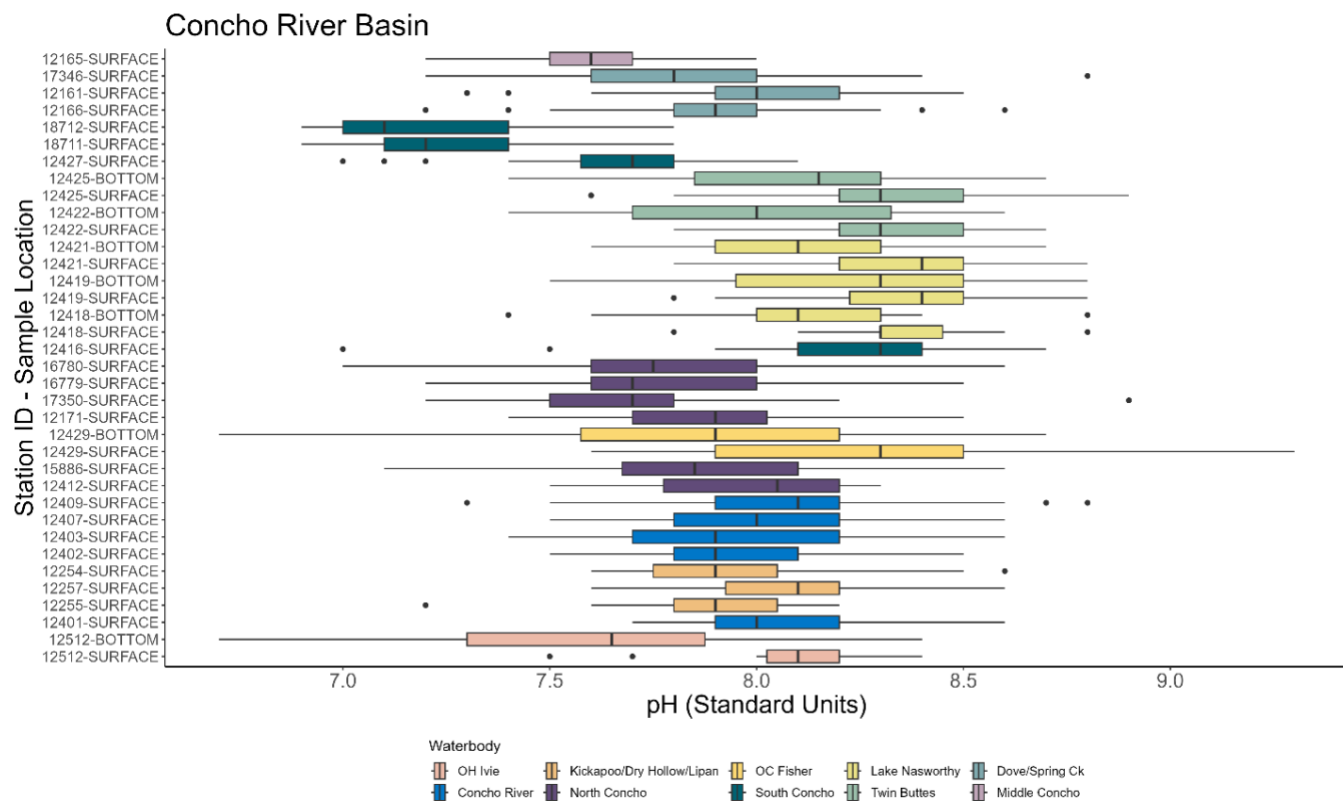
Dissolved Oxygen



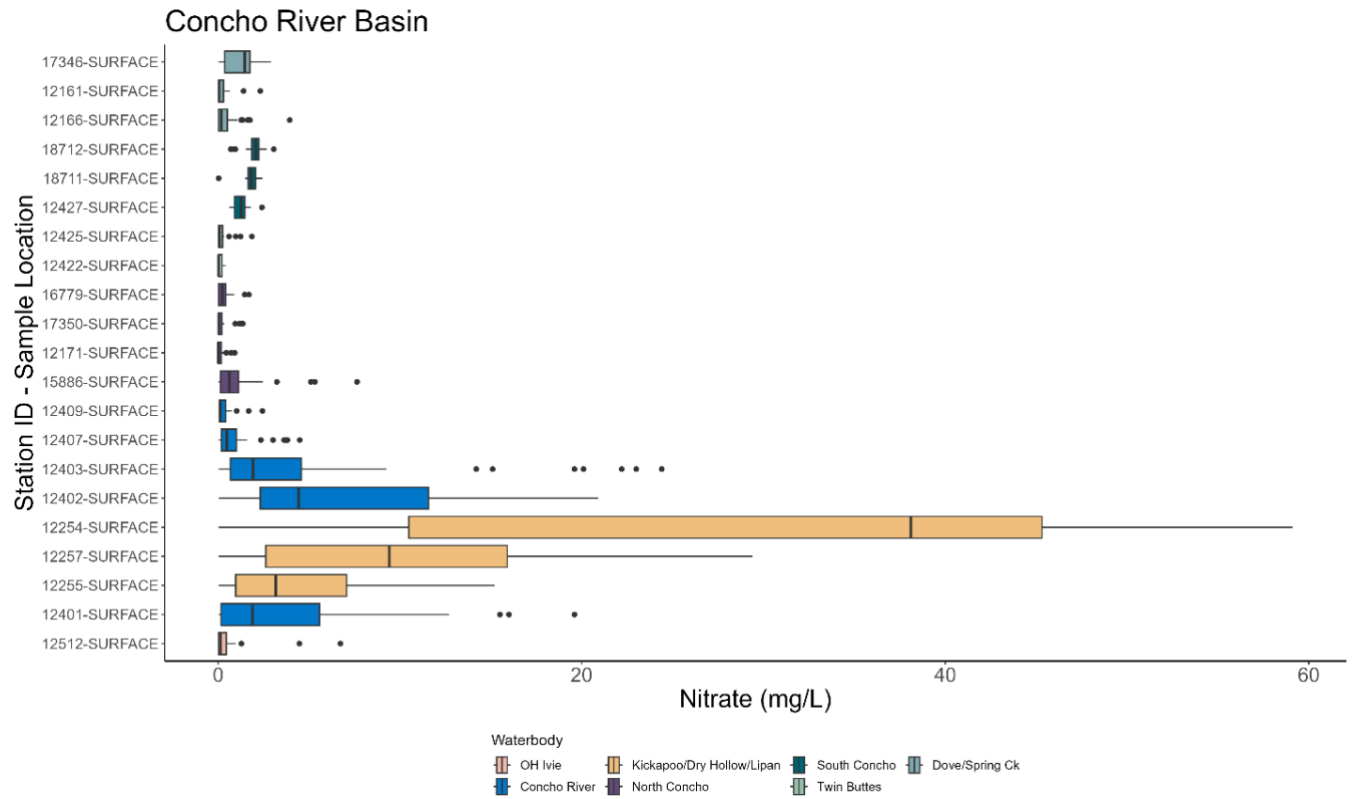
Dissolved Oxygen (% of saturation)



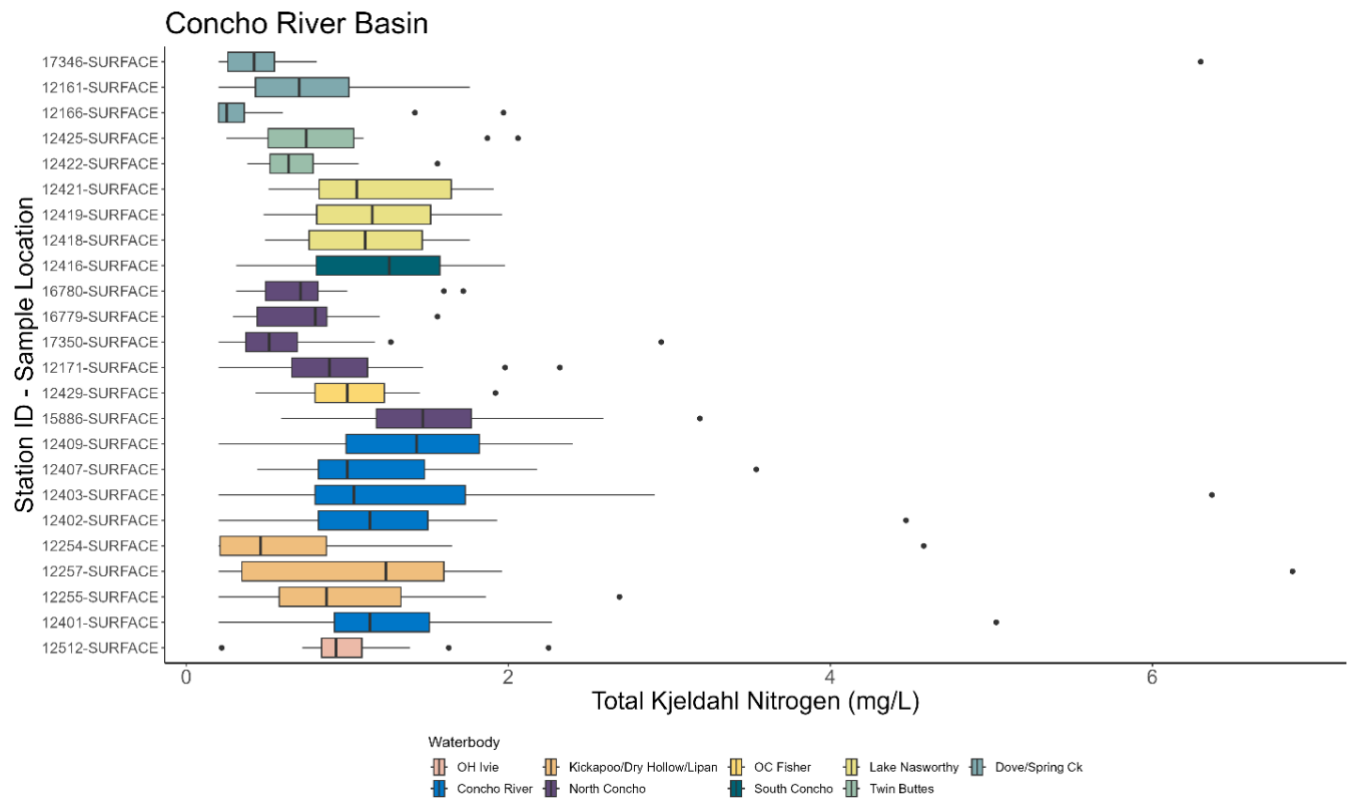
pH



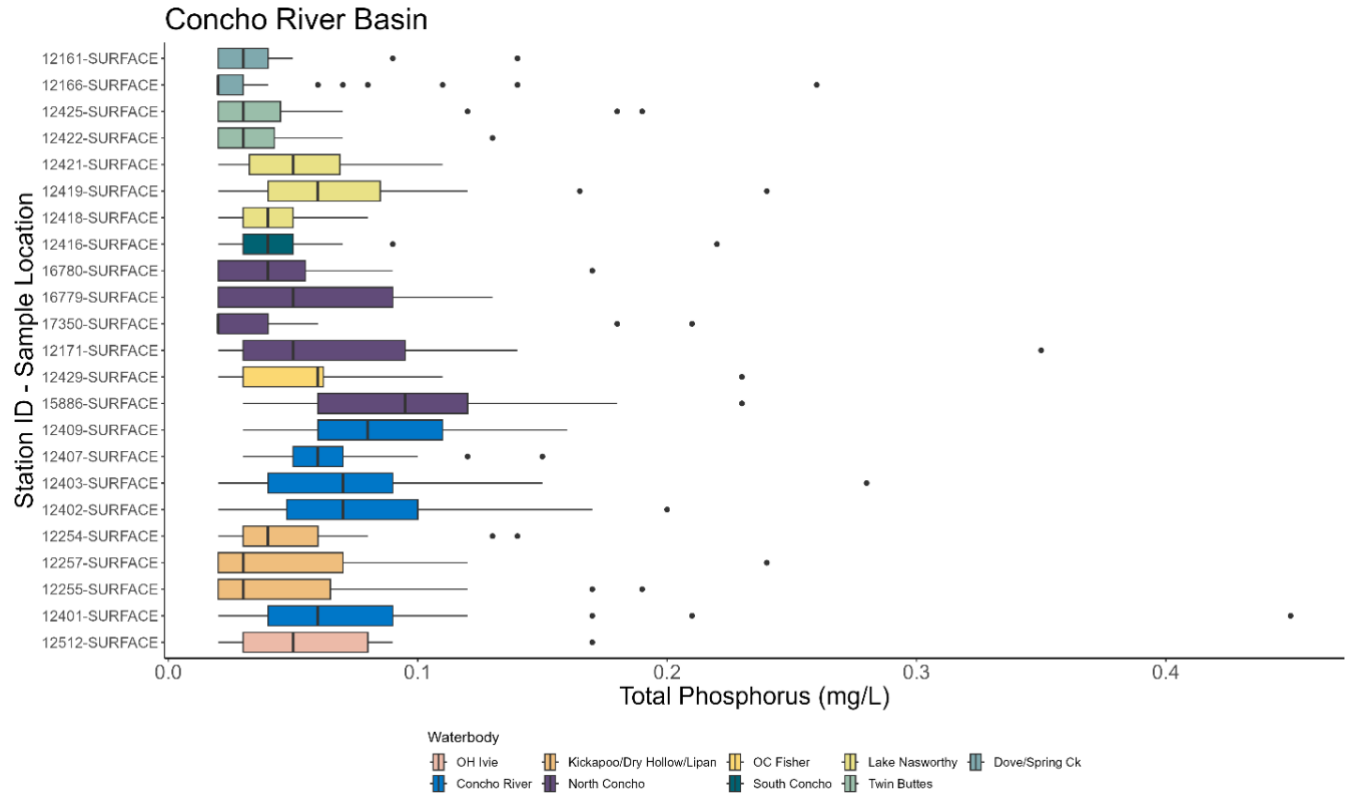
Nitrate



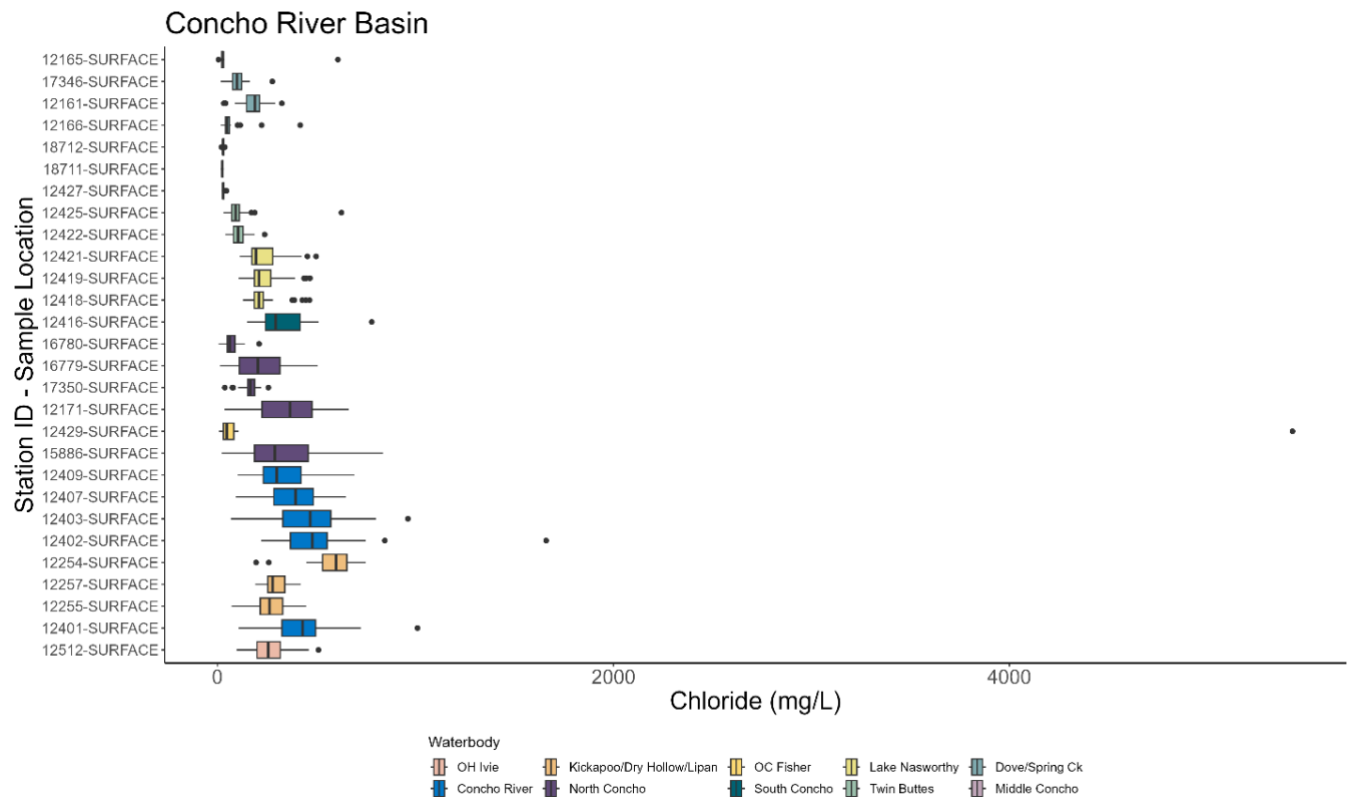
Total Kjeldahl Nitrogen



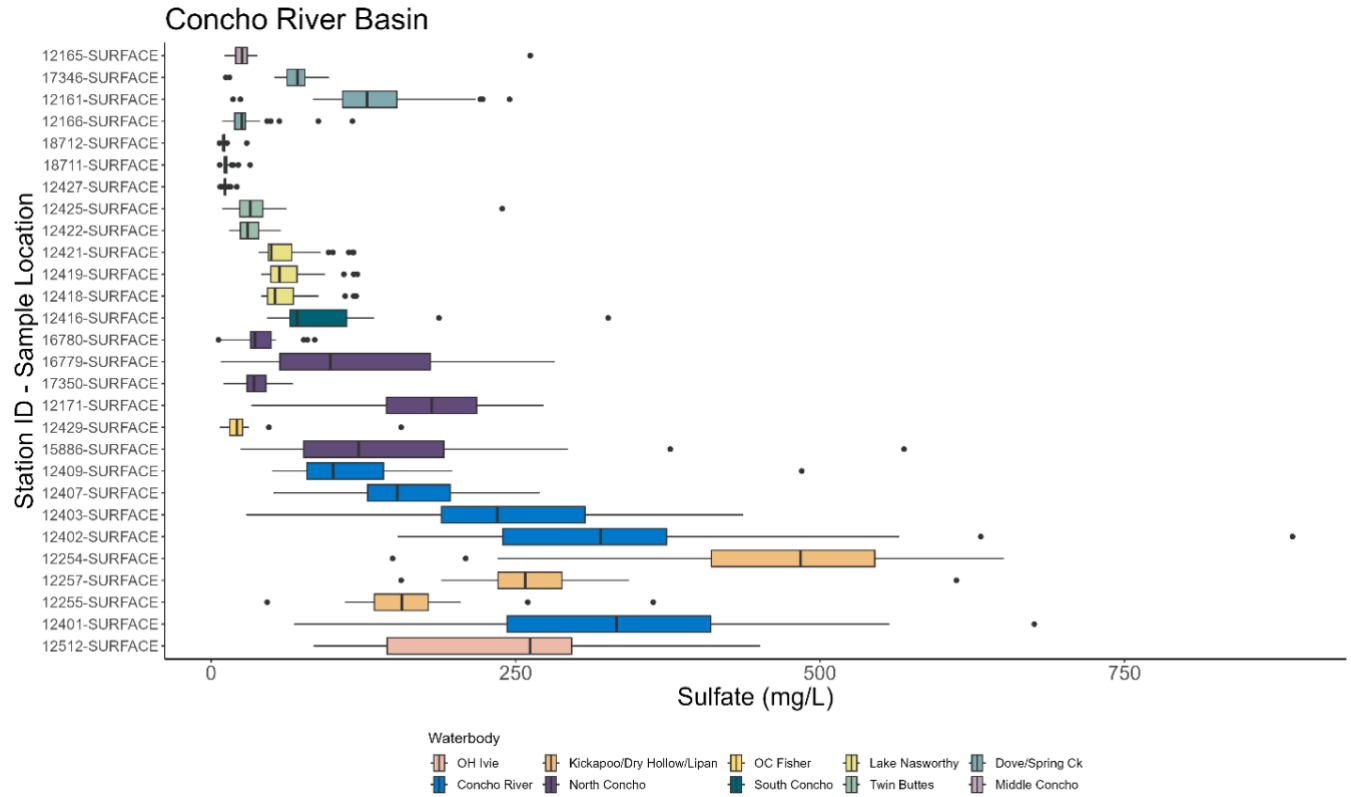
Total Phosphorus



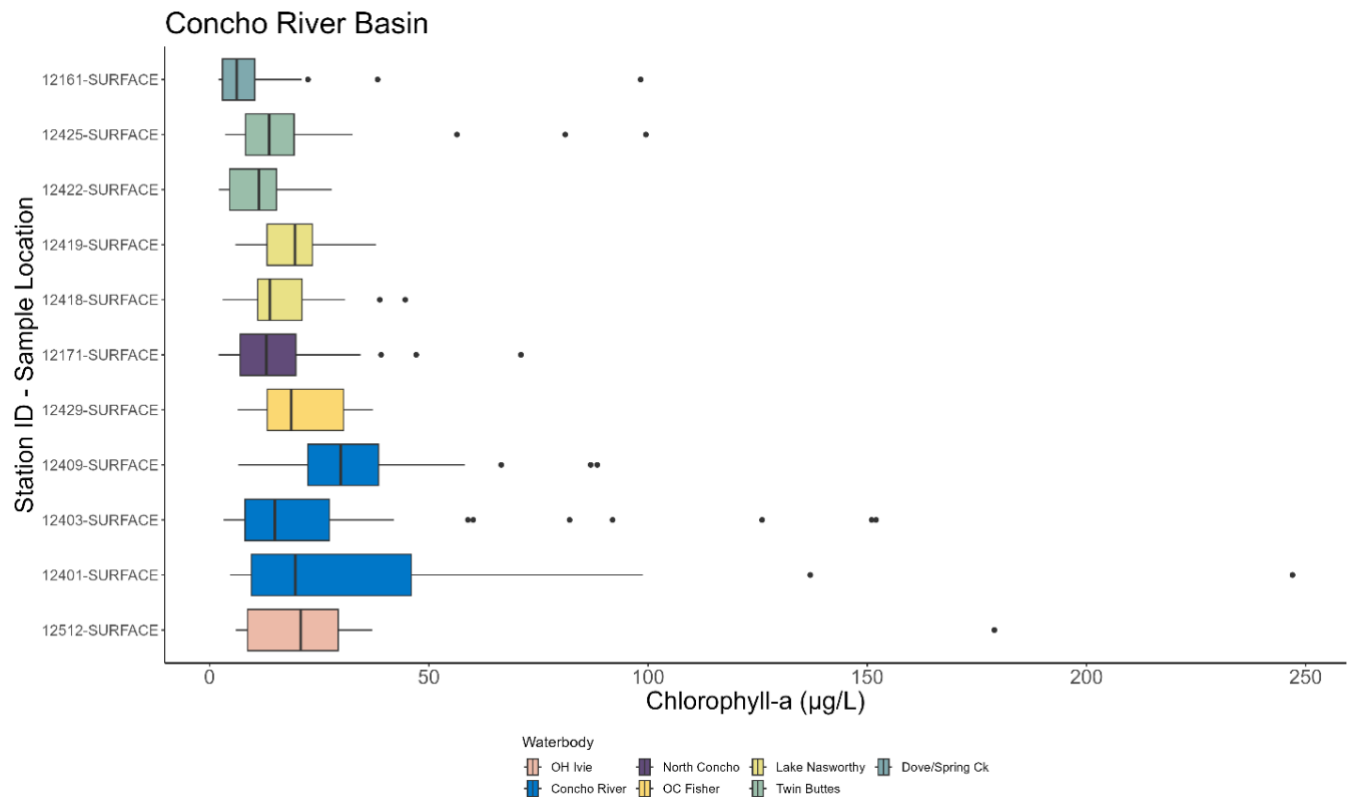
Chloride



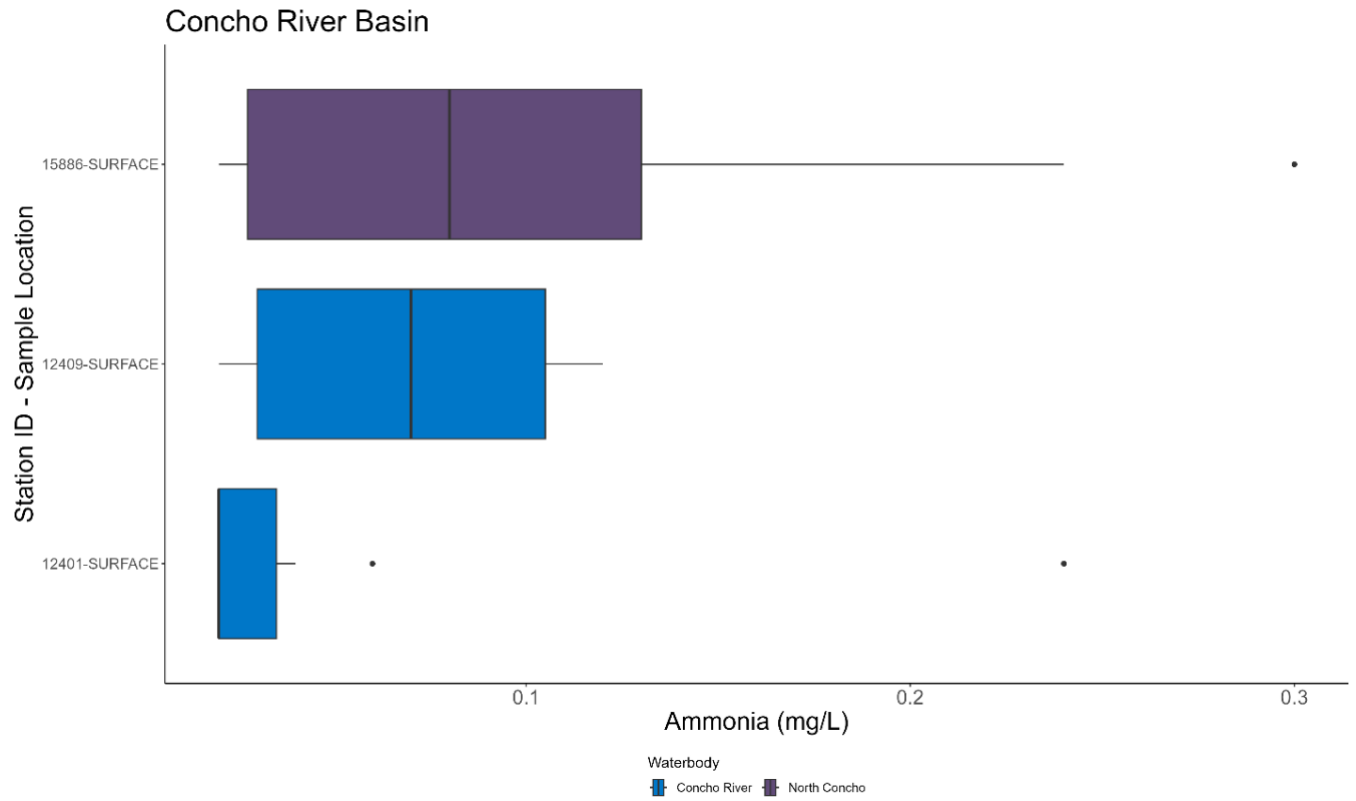
Sulfate



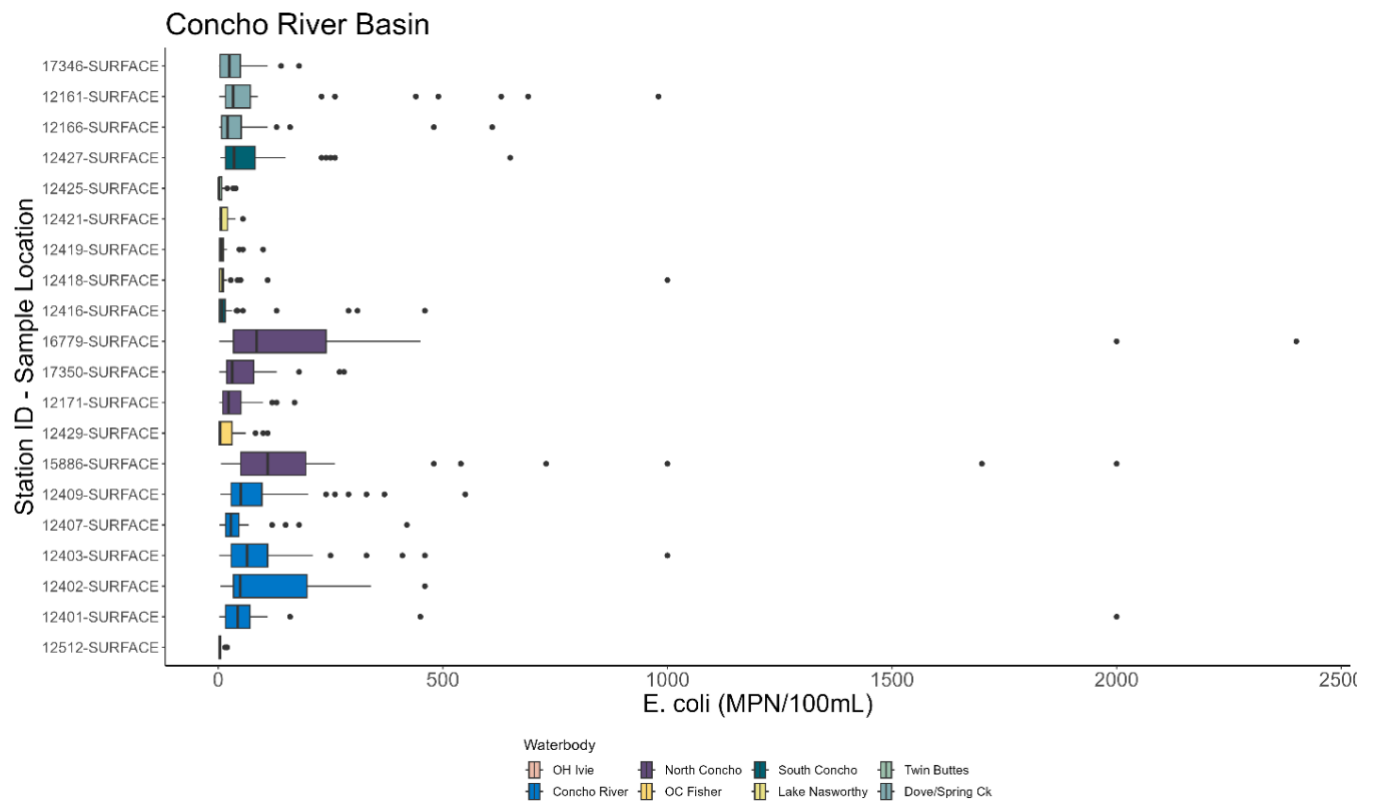
Chlorophyll a



Ammonia



E. coli



Multiple Comparison Table

Multiple comparisons using Tukey-HSD after a significant ANOVA has been noted for the parameter. Sites that are being compared on a given row are mentioned in the Site Comparison column. The estimated difference between the sites for a given parameter is in the Difference column with the 95% confidence interval for the difference lying between the 95% Low and 95% High columns. As long as the 95% confidence interval does not contain zero, the sites should be statistically different (p-value < 0.05) for a given parameter.

Parameter Code	Parameter	WSHED	Site Comparison	Difference	95% Low Diff	95% High Diff	p-value
00078	Secchi disc (m)	ConchoRiver	12257-SURFACE-12161-SURFACE	-0.4478	-0.7691	-0.1265	2e-04
00078	Secchi disc (m)	ConchoRiver	12416-SURFACE-12161-SURFACE	0.3063	0.0405	0.5722	0.0075
00078	Secchi disc (m)	ConchoRiver	12419-SURFACE-12161-SURFACE	-0.3115	-0.5961	-0.0269	0.0161
00078	Secchi disc (m)	ConchoRiver	15886-SURFACE-12161-SURFACE	-0.2735	-0.5298	-0.0172	0.0227
00078	Secchi disc (m)	ConchoRiver	12257-SURFACE-12166-SURFACE	-0.6474	-1.0478	-0.2469	<0.0001
00078	Secchi disc (m)	ConchoRiver	12402-SURFACE-12166-SURFACE	-0.3928	-0.7538	-0.0319	0.0173
00078	Secchi disc (m)	ConchoRiver	12419-SURFACE-12166-SURFACE	-0.5110	-0.8827	-0.1394	3e-04
00078	Secchi disc (m)	ConchoRiver	12421-SURFACE-12166-SURFACE	-0.4722	-0.8439	-0.1006	0.0013
00078	Secchi disc (m)	ConchoRiver	15886-SURFACE-12166-SURFACE	-0.4730	-0.8235	-0.1226	4e-04
00078	Secchi disc (m)	ConchoRiver	12257-SURFACE-12171-SURFACE	-0.3287	-0.6500	-0.0074	0.0385
00078	Secchi disc (m)	ConchoRiver	12416-SURFACE-12171-SURFACE	0.4255	0.1596	0.6913	<0.0001
00078	Secchi disc (m)	ConchoRiver	12416-SURFACE-12254-SURFACE	0.3998	0.0319	0.7677	0.0178
00078	Secchi disc (m)	ConchoRiver	12401-SURFACE-12257-SURFACE	0.3450	0.0303	0.6597	0.0157
00078	Secchi disc (m)	ConchoRiver	12403-SURFACE-12257-SURFACE	0.3471	0.0273	0.6670	0.0181
00078	Secchi disc (m)	ConchoRiver	12416-SURFACE-12257-SURFACE	0.7542	0.4280	1.0804	<0.0001
00078	Secchi disc (m)	ConchoRiver	12422-SURFACE-12257-SURFACE	0.5479	0.2062	0.8896	<0.0001
00078	Secchi disc (m)	ConchoRiver	12512-SURFACE-12257-SURFACE	0.3853	0.0125	0.7581	0.034
00078	Secchi disc (m)	ConchoRiver	12416-SURFACE-12401-SURFACE	0.4091	0.1513	0.6669	<0.0001
00078	Secchi disc (m)	ConchoRiver	12416-SURFACE-12402-SURFACE	0.4996	0.2234	0.7758	<0.0001
00078	Secchi disc (m)	ConchoRiver	12416-SURFACE-12403-SURFACE	0.4070	0.1429	0.6711	<0.0001
00078	Secchi disc (m)	ConchoRiver	12416-SURFACE-12409-SURFACE	0.4197	0.0398	0.7996	0.0141
00078	Secchi disc (m)	ConchoRiver	12418-SURFACE-12416-SURFACE	-0.4229	-0.7099	-0.1360	<0.0001
00078	Secchi disc (m)	ConchoRiver	12419-SURFACE-12416-SURFACE	-0.6178	-0.9079	-0.3277	<0.0001
00078	Secchi disc (m)	ConchoRiver	12421-SURFACE-12416-SURFACE	-0.5790	-0.8691	-0.2889	<0.0001

00078	Secchi disc (m)	ConchoRiver	12425-SURFACE-12416-SURFACE	-0.4515	-0.7526	-0.1505	<0.0001
00078	Secchi disc (m)	ConchoRiver	12429-SURFACE-12416-SURFACE	-0.4212	-0.7474	-0.0950	0.001
00078	Secchi disc (m)	ConchoRiver	12512-SURFACE-12416-SURFACE	-0.3689	-0.6951	-0.0427	0.01
00078	Secchi disc (m)	ConchoRiver	15886-SURFACE-12416-SURFACE	-0.5798	-0.8422	-0.3174	<0.0001
00078	Secchi disc (m)	ConchoRiver	16779-SURFACE-12416-SURFACE	-0.3792	-0.7275	-0.0309	0.0173
00078	Secchi disc (m)	ConchoRiver	12422-SURFACE-12419-SURFACE	0.4116	0.1042	0.7190	5e-04
00078	Secchi disc (m)	ConchoRiver	12422-SURFACE-12421-SURFACE	0.3728	0.0654	0.6802	0.0032
00078	Secchi disc (m)	ConchoRiver	15886-SURFACE-12422-SURFACE	-0.3736	-0.6550	-0.0922	5e-04
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12429-BOTTOM-12161-SURFACE	-2.9435	-5.5863	-0.3007	0.0097
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12161-SURFACE	-2.9779	-5.5212	-0.4346	0.0038
00300	Dissolved Oxygen (mg/L)	ConchoRiver	17346-SURFACE-12165-SURFACE	2.8863	0.4739	5.2987	0.0025
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12429-BOTTOM-12166-SURFACE	-2.9543	-5.6072	-0.3014	0.0097
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12166-SURFACE	-2.9887	-5.5425	-0.4349	0.0039
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12257-SURFACE-12171-SURFACE	2.2705	0.0979	4.4431	0.027
00300	Dissolved Oxygen (mg/L)	ConchoRiver	17346-SURFACE-12171-SURFACE	2.7732	0.7571	4.7892	1e-04
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12418-BOTTOM-12254-SURFACE	-2.8544	-5.5474	-0.1615	0.0218
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12421-BOTTOM-12254-SURFACE	-3.3908	-6.1057	-0.6758	0.001
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12422-BOTTOM-12254-SURFACE	-3.1940	-5.9324	-0.4556	0.0041
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12429-BOTTOM-12254-SURFACE	-4.3335	-7.3448	-1.3223	<0.0001
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12254-SURFACE	-4.3679	-7.2922	-1.4436	<0.0001
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12429-BOTTOM-12255-SURFACE	-3.4360	-6.6155	-0.2566	0.0161
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12255-SURFACE	-3.4704	-6.5677	-0.3731	0.0087
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12418-BOTTOM-12257-SURFACE	-2.8735	-5.2764	-0.4706	0.0025
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12421-BOTTOM-12257-SURFACE	-3.4098	-5.8373	-0.9823	<0.0001

00300	Dissolved Oxygen (mg/L)	ConchoRiver	12422-BOTTOM-12257-SURFACE	-3.2130	-5.6668	-0.7593	3e-04
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12429-BOTTOM-12257-SURFACE	-4.3526	-7.1074	-1.5977	<0.0001
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12257-SURFACE	-4.3869	-7.0465	-1.7274	<0.0001
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12421-BOTTOM-12401-SURFACE	-2.4355	-4.7134	-0.1577	0.019
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12429-BOTTOM-12401-SURFACE	-3.3783	-6.0023	-0.7543	5e-04
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12401-SURFACE	-3.4127	-5.9364	-0.8889	1e-04
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12418-BOTTOM-12402-SURFACE	-2.5225	-4.7849	-0.2601	0.0095
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12421-BOTTOM-12402-SURFACE	-3.0588	-5.3473	-0.7704	2e-04
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12422-BOTTOM-12402-SURFACE	-2.8620	-5.1783	-0.5458	0.0013
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12429-BOTTOM-12402-SURFACE	-4.0016	-6.6348	-1.3684	<0.0001
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12402-SURFACE	-4.0359	-6.5693	-1.5026	<0.0001
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12429-BOTTOM-12403-SURFACE	-3.1162	-5.7494	-0.4830	0.0031
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12403-SURFACE	-3.1506	-5.6839	-0.6173	0.0011
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12429-BOTTOM-12407-SURFACE	-2.9860	-5.6288	-0.3432	0.0075
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12407-SURFACE	-3.0204	-5.5637	-0.4771	0.0029
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12418-BOTTOM-12409-SURFACE	-2.4683	-4.7199	-0.2166	0.0127
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12421-BOTTOM-12409-SURFACE	-3.0046	-5.2824	-0.7267	3e-04
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12422-BOTTOM-12409-SURFACE	-2.8078	-5.1136	-0.5020	0.0017
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12429-BOTTOM-12409-SURFACE	-3.9473	-6.5713	-1.3234	<0.0001
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12409-SURFACE	-3.9817	-6.5054	-1.4580	<0.0001
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12418-BOTTOM-12412-SURFACE	-3.3528	-6.5197	-0.1858	0.0222

00300	Dissolved Oxygen (mg/L)	ConchoRiver	12421-BOTTOM-12412-SURFACE	-3.8891	-7.0747	-0.7035	0.0016
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12422-BOTTOM-12412-SURFACE	-3.6923	-6.8980	-0.4866	0.0053
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12429-BOTTOM-12412-SURFACE	-4.8319	-8.2735	-1.3902	<0.0001
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12412-SURFACE	-4.8662	-8.2321	-1.5004	<0.0001
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12421-BOTTOM-12416-SURFACE	-2.6998	-4.9777	-0.4220	0.003
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12422-BOTTOM-12416-SURFACE	-2.5030	-4.8089	-0.1972	0.0149
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12429-BOTTOM-12416-SURFACE	-3.6426	-6.2665	-1.0186	1e-04
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12416-SURFACE	-3.6769	-6.2007	-1.1532	<0.0001
00300	Dissolved Oxygen (mg/L)	ConchoRiver	17346-SURFACE-12418-BOTTOM	3.3762	1.1138	5.6385	<0.0001
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12429-BOTTOM-12418-SURFACE	-3.3735	-6.1802	-0.5669	0.0023
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12418-SURFACE	-3.4079	-6.1211	-0.6947	9e-04
00300	Dissolved Oxygen (mg/L)	ConchoRiver	17346-SURFACE-12419-BOTTOM	2.8021	0.5397	5.0644	0.0012
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12429-BOTTOM-12419-SURFACE	-3.1346	-5.9608	-0.3084	0.0104
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12419-SURFACE	-3.1690	-5.9024	-0.4356	0.0046
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12421-SURFACE-12421-BOTTOM	2.5346	0.0029	5.0663	0.0492
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12425-SURFACE-12421-BOTTOM	2.8764	0.2635	5.4894	0.0118
00300	Dissolved Oxygen (mg/L)	ConchoRiver	17346-SURFACE-12421-BOTTOM	3.9125	1.6240	6.2009	<0.0001
00300	Dissolved Oxygen (mg/L)	ConchoRiver	18711-SURFACE-12421-BOTTOM	2.3755	0.0523	4.6987	0.037
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12429-BOTTOM-12421-SURFACE	-3.4774	-6.3245	-0.6303	0.0016
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12421-SURFACE	-3.5117	-6.2668	-0.7567	6e-04
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12425-SURFACE-12422-BOTTOM	2.6797	0.0423	5.3170	0.0404

00300	Dissolved Oxygen (mg/L)	ConchoRiver	17346-SURFACE-12422-BOTTOM	3.7157	1.3994	6.0320	<0.0001
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12429-BOTTOM-12422-SURFACE	-3.4383	-6.2645	-0.6122	0.0018
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12422-SURFACE	-3.4727	-6.2061	-0.7393	7e-04
00300	Dissolved Oxygen (mg/L)	ConchoRiver	17346-SURFACE-12425-BOTTOM	3.0100	0.6319	5.3880	7e-04
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12429-BOTTOM-12425-SURFACE	-3.8192	-6.7388	-0.8996	3e-04
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12425-SURFACE	-3.8535	-6.6834	-1.0237	1e-04
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12427-SURFACE	-2.5872	-5.1205	-0.0538	0.0376
00300	Dissolved Oxygen (mg/L)	ConchoRiver	17346-SURFACE-12427-SURFACE	2.3024	0.2864	4.3185	0.0062
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12429-SURFACE-12429-BOTTOM	3.4458	0.3586	6.5329	0.0093
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-SURFACE-12429-BOTTOM	3.1235	0.0761	6.1709	0.0357
00300	Dissolved Oxygen (mg/L)	ConchoRiver	15886-SURFACE-12429-BOTTOM	3.1211	0.4879	5.7543	0.003
00300	Dissolved Oxygen (mg/L)	ConchoRiver	16779-SURFACE-12429-BOTTOM	3.1192	0.1996	6.0388	0.0193
00300	Dissolved Oxygen (mg/L)	ConchoRiver	17346-SURFACE-12429-BOTTOM	4.8552	2.2221	7.4884	<0.0001
00300	Dissolved Oxygen (mg/L)	ConchoRiver	17350-SURFACE-12429-BOTTOM	3.0765	0.3650	5.7879	0.007
00300	Dissolved Oxygen (mg/L)	ConchoRiver	18711-SURFACE-12429-BOTTOM	3.3183	0.6548	5.9817	0.001
00300	Dissolved Oxygen (mg/L)	ConchoRiver	18712-SURFACE-12429-BOTTOM	2.9162	0.2830	5.5494	0.0107
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-BOTTOM-12429-SURFACE	-3.4801	-6.4825	-0.4777	0.0047
00300	Dissolved Oxygen (mg/L)	ConchoRiver	12512-SURFACE-12512-BOTTOM	3.1579	0.1963	6.1195	0.0199
00300	Dissolved Oxygen (mg/L)	ConchoRiver	15886-SURFACE-12512-BOTTOM	3.1555	0.6221	5.6888	0.001
00300	Dissolved Oxygen (mg/L)	ConchoRiver	16779-SURFACE-12512-BOTTOM	3.1535	0.3237	5.9834	0.0096
00300	Dissolved Oxygen (mg/L)	ConchoRiver	17346-SURFACE-12512-BOTTOM	4.8896	2.3563	7.4229	<0.0001

00300	Dissolved Oxygen (mg/L)	ConchoRiver	17350-SURFACE-12512-BOTTOM	3.1108	0.4962	5.7254	0.0028
00300	Dissolved Oxygen (mg/L)	ConchoRiver	18711-SURFACE-12512-BOTTOM	3.3526	0.7878	5.9174	3e-04
00300	Dissolved Oxygen (mg/L)	ConchoRiver	18712-SURFACE-12512-BOTTOM	2.9506	0.4173	5.4839	0.0043
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12421-BOTTOM-12161-SURFACE	-31.1201	-59.6354	-2.6049	0.0138
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-BOTTOM-12161-SURFACE	-50.8342	-84.5194	-17.1490	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12161-SURFACE	-42.3517	-70.8670	-13.8364	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	17346-SURFACE-12161-SURFACE	23.7984	1.0537	46.5430	0.0266
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12254-SURFACE-12165-SURFACE	31.6845	0.0649	63.3042	0.0487
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12402-SURFACE-12165-SURFACE	28.4777	1.4303	55.5251	0.0243
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12409-SURFACE-12165-SURFACE	29.2736	2.3389	56.2083	0.0148
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	17346-SURFACE-12165-SURFACE	38.0704	11.0230	65.1178	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12421-BOTTOM-12166-SURFACE	-31.7526	-60.3854	-3.1199	0.0106
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-BOTTOM-12166-SURFACE	-51.4667	-85.2514	-17.6819	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12166-SURFACE	-42.9842	-71.6170	-14.3515	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	17346-SURFACE-12166-SURFACE	23.1659	0.2741	46.0576	0.0427
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12254-SURFACE-12171-SURFACE	30.0434	2.1298	57.9570	0.0173
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12257-SURFACE-12171-SURFACE	25.2699	0.9113	49.6284	0.0302
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12402-SURFACE-12171-SURFACE	26.8366	4.2328	49.4404	0.003
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12409-SURFACE-12171-SURFACE	27.6325	5.1636	50.1013	0.0014
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12416-SURFACE-12171-SURFACE	23.9515	1.4827	46.4204	0.0201
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-BOTTOM-12171-SURFACE	-38.2033	-71.7935	-4.6130	0.0068

00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12171-SURFACE	-29.7208	-58.1239	-1.3177	0.0266
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	17346-SURFACE-12171-SURFACE	36.4293	13.8255	59.0331	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12418-BOTTOM-12254-SURFACE	-39.2078	-72.4583	-5.9572	0.0034
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12419-BOTTOM-12254-SURFACE	-39.0537	-71.8405	-6.2669	0.0028
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12421-BOTTOM-12254-SURFACE	-48.5326	-81.3194	-15.7459	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12422-BOTTOM-12254-SURFACE	-38.1133	-71.3639	-4.8628	0.0059
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12425-BOTTOM-12254-SURFACE	-40.7550	-75.0819	-6.4281	0.003
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-BOTTOM-12254-SURFACE	-68.2467	-105.6171	-30.8763	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12254-SURFACE	-59.7642	-92.5510	-26.9774	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12421-BOTTOM-12255-SURFACE	-35.7026	-70.4287	-0.9766	0.0343
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-BOTTOM-12255-SURFACE	-55.4167	-94.4996	-16.3338	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12255-SURFACE	-46.9342	-81.6603	-12.2082	1e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12418-BOTTOM-12257-SURFACE	-34.4342	-64.7619	-4.1065	0.007
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12419-BOTTOM-12257-SURFACE	-34.2801	-64.0986	-4.4616	0.0055
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12421-BOTTOM-12257-SURFACE	-43.7591	-73.5776	-13.9406	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12422-BOTTOM-12257-SURFACE	-33.3398	-63.6675	-3.0121	0.0122
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12425-BOTTOM-12257-SURFACE	-35.9815	-67.4855	-4.4774	0.0063
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-BOTTOM-12257-SURFACE	-63.4731	-98.2685	-28.6778	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12257-SURFACE	-54.9907	-84.8091	-25.1722	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12421-BOTTOM-12401-SURFACE	-36.1526	-64.4484	-7.8568	6e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-BOTTOM-12401-SURFACE	-55.8667	-89.3663	-22.3670	<0.0001

00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12401-SURFACE	-47.3842	-75.6800	-19.0884	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12418-BOTTOM-12402-SURFACE	-36.0009	-64.9381	-7.0638	0.0011
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12419-BOTTOM-12402-SURFACE	-35.8469	-64.2499	-7.4438	8e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12421-BOTTOM-12402-SURFACE	-45.3258	-73.7289	-16.9227	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12422-BOTTOM-12402-SURFACE	-34.9065	-63.8437	-5.9693	0.0022
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12425-BOTTOM-12402-SURFACE	-37.5482	-67.7160	-7.3804	0.0011
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-BOTTOM-12402-SURFACE	-65.0398	-98.6301	-31.4496	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12402-SURFACE	-56.5574	-84.9604	-28.1543	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12421-BOTTOM-12403-SURFACE	-33.5868	-61.9898	-5.1837	0.0032
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-BOTTOM-12403-SURFACE	-53.3008	-86.8911	-19.7105	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12403-SURFACE	-44.8184	-73.2214	-16.4153	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12421-BOTTOM-12407-SURFACE	-32.6776	-61.1929	-4.1624	0.0059
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-BOTTOM-12407-SURFACE	-52.3917	-86.0769	-18.7065	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12407-SURFACE	-43.9092	-72.4245	-15.3939	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12418-BOTTOM-12409-SURFACE	-36.7968	-65.6287	-7.9649	6e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12419-BOTTOM-12409-SURFACE	-36.6427	-64.9385	-8.3469	4e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12421-BOTTOM-12409-SURFACE	-46.1217	-74.4175	-17.8259	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12422-BOTTOM-12409-SURFACE	-35.7024	-64.5343	-6.8705	0.0012
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12425-BOTTOM-12409-SURFACE	-38.3440	-68.4109	-8.2772	6e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-BOTTOM-12409-SURFACE	-65.8357	-99.3353	-32.3361	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12409-SURFACE	-57.3533	-85.6490	-29.0575	<0.0001

00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12418-BOTTOM-12416-SURFACE	-33.1159	-61.9478	-4.2840	0.0056
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12419-BOTTOM-12416-SURFACE	-32.9618	-61.2576	-4.6660	0.0043
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12421-BOTTOM-12416-SURFACE	-42.4407	-70.7365	-14.1449	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12422-BOTTOM-12416-SURFACE	-32.0214	-60.8533	-3.1895	0.0103
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12425-BOTTOM-12416-SURFACE	-34.6631	-64.7299	-4.5963	0.0053
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-BOTTOM-12416-SURFACE	-62.1548	-95.6544	-28.6551	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12416-SURFACE	-53.6723	-81.9681	-25.3765	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	17346-SURFACE-12418-BOTTOM	45.5936	16.6565	74.5308	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12421-BOTTOM-12418-SURFACE	-34.4632	-67.6676	-1.2587	0.03
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-BOTTOM-12418-SURFACE	-54.1772	-91.9146	-16.4398	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12418-SURFACE	-45.6947	-78.8992	-12.4903	1e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	17346-SURFACE-12419-BOTTOM	45.4395	17.0365	73.8426	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-BOTTOM-12419-SURFACE	-49.6509	-87.3883	-11.9135	3e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12419-SURFACE	-41.1684	-74.3729	-7.9640	0.0012
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12421-SURFACE-12421-BOTTOM	37.5158	4.3113	70.7203	0.0076
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12422-SURFACE-12421-BOTTOM	39.3842	6.1797	72.5887	0.003
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12425-SURFACE-12421-BOTTOM	42.6589	7.9328	77.3849	0.0015
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-SURFACE-12421-BOTTOM	38.7026	0.9653	76.4400	0.0355
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	15886-SURFACE-12421-BOTTOM	36.3673	7.9642	64.7703	6e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	17346-SURFACE-12421-BOTTOM	54.9185	26.5154	83.3215	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	18711-SURFACE-12421-BOTTOM	36.4658	7.7099	65.2217	7e-04

00301	Dissolved Oxygen (% of saturation)	ConchoRiver	18712-SURFACE-12421-BOTTOM	31.4770	3.0740	59.8801	0.0107
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-BOTTOM-12421-SURFACE	-57.2298	-94.9672	-19.4925	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12421-SURFACE	-48.7474	-81.9518	-15.5429	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	17346-SURFACE-12422-BOTTOM	44.4992	15.5620	73.4364	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-BOTTOM-12422-SURFACE	-59.0982	-96.8356	-21.3609	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12422-SURFACE	-50.6158	-83.8203	-17.4113	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	17346-SURFACE-12425-BOTTOM	47.1409	16.9730	77.3087	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-BOTTOM-12425-SURFACE	-62.3729	-101.4558	-23.2900	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12425-SURFACE	-53.8905	-88.6165	-19.1644	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-BOTTOM-12427-SURFACE	-45.8359	-79.6206	-12.0512	1e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12427-SURFACE	-37.3534	-65.9862	-8.7207	4e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	17346-SURFACE-12427-SURFACE	28.7966	5.9049	51.6884	9e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12429-SURFACE-12429-BOTTOM	58.4167	16.6353	100.1980	1e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-SURFACE-12429-BOTTOM	51.5035	13.7661	89.2409	1e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	15886-SURFACE-12429-BOTTOM	56.0813	22.4910	89.6716	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	16779-SURFACE-12429-BOTTOM	46.3058	9.8608	82.7508	7e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	16780-SURFACE-12429-BOTTOM	39.3619	2.3267	76.3971	0.021
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	17346-SURFACE-12429-BOTTOM	74.6325	41.0422	108.2228	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	17350-SURFACE-12429-BOTTOM	46.1902	11.8259	80.5545	2e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	18711-SURFACE-12429-BOTTOM	56.1798	22.2907	90.0690	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	18712-SURFACE-12429-BOTTOM	51.1911	17.6008	84.7813	<0.0001

00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-BOTTOM-12429-SURFACE	-49.9342	-87.6716	-12.1968	3e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	12512-SURFACE-12512-BOTTOM	43.0211	9.8166	76.2255	4e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	15886-SURFACE-12512-BOTTOM	47.5988	19.1958	76.0019	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	16779-SURFACE-12512-BOTTOM	37.8233	6.0954	69.5513	0.0027
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	17346-SURFACE-12512-BOTTOM	66.1501	37.7470	94.5531	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	17350-SURFACE-12512-BOTTOM	37.7077	8.3934	67.0221	5e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	18711-SURFACE-12512-BOTTOM	47.6974	18.9415	76.4533	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	18712-SURFACE-12512-BOTTOM	42.7086	14.3055	71.1117	<0.0001
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	17346-SURFACE-16779-SURFACE	28.3267	1.6647	54.9887	0.0212
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	17346-SURFACE-16780-SURFACE	35.2706	7.8073	62.7339	5e-04
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	17350-SURFACE-17346-SURFACE	-28.4423	-52.1811	-4.7036	0.0025
00301	Dissolved Oxygen (% of saturation)	ConchoRiver	18712-SURFACE-17346-SURFACE	-23.4415	-46.0453	-0.8377	0.0303
00400	pH (Standard Units)	ConchoRiver	12165-SURFACE-12161-SURFACE	-0.4339	-0.7347	-0.1332	<0.0001
00400	pH (Standard Units)	ConchoRiver	12418-SURFACE-12161-SURFACE	0.3171	0.0347	0.5995	0.0084
00400	pH (Standard Units)	ConchoRiver	12419-SURFACE-12161-SURFACE	0.3077	0.0221	0.5933	0.0169
00400	pH (Standard Units)	ConchoRiver	12421-SURFACE-12161-SURFACE	0.3135	0.0246	0.6025	0.0151
00400	pH (Standard Units)	ConchoRiver	12427-SURFACE-12161-SURFACE	-0.3535	-0.6073	-0.0996	1e-04
00400	pH (Standard Units)	ConchoRiver	12512-BOTTOM-12161-SURFACE	-0.4274	-0.7488	-0.1059	2e-04
00400	pH (Standard Units)	ConchoRiver	17350-SURFACE-12161-SURFACE	-0.3385	-0.6053	-0.0717	7e-04
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12161-SURFACE	-0.8195	-1.0784	-0.5607	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12161-SURFACE	-0.8260	-1.0798	-0.5721	<0.0001
00400	pH (Standard Units)	ConchoRiver	12254-SURFACE-12165-SURFACE	0.3533	0.0001	0.7066	0.0498
00400	pH (Standard Units)	ConchoRiver	12257-SURFACE-12165-SURFACE	0.4321	0.1155	0.7487	1e-04
00400	pH (Standard Units)	ConchoRiver	12401-SURFACE-12165-SURFACE	0.4491	0.1510	0.7472	<0.0001
00400	pH (Standard Units)	ConchoRiver	12402-SURFACE-12165-SURFACE	0.3430	0.0436	0.6424	0.0058
00400	pH (Standard Units)	ConchoRiver	12403-SURFACE-12165-SURFACE	0.3230	0.0236	0.6224	0.0165

00400	pH (Standard Units)	ConchoRiver	12407-SURFACE-12165-SURFACE	0.3801	0.0793	0.6808	8e-04
00400	pH (Standard Units)	ConchoRiver	12409-SURFACE-12165-SURFACE	0.4589	0.1608	0.7570	<0.0001
00400	pH (Standard Units)	ConchoRiver	12416-SURFACE-12165-SURFACE	0.6150	0.3169	0.9131	<0.0001
00400	pH (Standard Units)	ConchoRiver	12418-BOTTOM-12165-SURFACE	0.5147	0.1879	0.8414	<0.0001
00400	pH (Standard Units)	ConchoRiver	12418-SURFACE-12165-SURFACE	0.7510	0.4270	1.0750	<0.0001
00400	pH (Standard Units)	ConchoRiver	12419-BOTTOM-12165-SURFACE	0.6262	0.2995	0.9530	<0.0001
00400	pH (Standard Units)	ConchoRiver	12419-SURFACE-12165-SURFACE	0.7416	0.4149	1.0684	<0.0001
00400	pH (Standard Units)	ConchoRiver	12421-BOTTOM-12165-SURFACE	0.4955	0.1657	0.8252	<0.0001
00400	pH (Standard Units)	ConchoRiver	12421-SURFACE-12165-SURFACE	0.7475	0.4177	1.0772	<0.0001
00400	pH (Standard Units)	ConchoRiver	12422-BOTTOM-12165-SURFACE	0.4288	0.0959	0.7617	5e-04
00400	pH (Standard Units)	ConchoRiver	12422-SURFACE-12165-SURFACE	0.6955	0.3687	1.0222	<0.0001
00400	pH (Standard Units)	ConchoRiver	12425-BOTTOM-12165-SURFACE	0.5045	0.1645	0.8446	<0.0001
00400	pH (Standard Units)	ConchoRiver	12425-SURFACE-12165-SURFACE	0.6955	0.3554	1.0355	<0.0001
00400	pH (Standard Units)	ConchoRiver	12429-SURFACE-12165-SURFACE	0.6896	0.3253	1.0538	<0.0001
00400	pH (Standard Units)	ConchoRiver	12512-SURFACE-12165-SURFACE	0.4843	0.1259	0.8428	1e-04
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12165-SURFACE	-0.3856	-0.6893	-0.0820	7e-04
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12165-SURFACE	-0.3920	-0.6914	-0.0926	3e-04
00400	pH (Standard Units)	ConchoRiver	12416-SURFACE-12166-SURFACE	0.3142	0.0603	0.5682	0.0012
00400	pH (Standard Units)	ConchoRiver	12418-SURFACE-12166-SURFACE	0.4503	0.1664	0.7342	<0.0001
00400	pH (Standard Units)	ConchoRiver	12419-BOTTOM-12166-SURFACE	0.3255	0.0384	0.6126	0.007
00400	pH (Standard Units)	ConchoRiver	12419-SURFACE-12166-SURFACE	0.4409	0.1538	0.7280	<0.0001
00400	pH (Standard Units)	ConchoRiver	12421-SURFACE-12166-SURFACE	0.4467	0.1563	0.7372	<0.0001
00400	pH (Standard Units)	ConchoRiver	12422-SURFACE-12166-SURFACE	0.3947	0.1077	0.6818	1e-04
00400	pH (Standard Units)	ConchoRiver	12425-SURFACE-12166-SURFACE	0.3947	0.0926	0.6969	3e-04
00400	pH (Standard Units)	ConchoRiver	12429-SURFACE-12166-SURFACE	0.3889	0.0597	0.7180	0.0032
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12166-SURFACE	-0.6863	-0.9469	-0.4258	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12166-SURFACE	-0.6928	-0.9483	-0.4372	<0.0001
00400	pH (Standard Units)	ConchoRiver	12416-SURFACE-12171-SURFACE	0.3295	0.0788	0.5802	3e-04
00400	pH (Standard Units)	ConchoRiver	12418-SURFACE-12171-SURFACE	0.4656	0.1846	0.7465	<0.0001
00400	pH (Standard Units)	ConchoRiver	12419-BOTTOM-12171-SURFACE	0.3408	0.0566	0.6249	0.0024
00400	pH (Standard Units)	ConchoRiver	12419-SURFACE-12171-SURFACE	0.4562	0.1720	0.7403	<0.0001
00400	pH (Standard Units)	ConchoRiver	12421-SURFACE-12171-SURFACE	0.4620	0.1744	0.7496	<0.0001

00400	pH (Standard Units)	ConchoRiver	12422-SURFACE-12171-SURFACE	0.4100	0.1259	0.6941	<0.0001
00400	pH (Standard Units)	ConchoRiver	12425-SURFACE-12171-SURFACE	0.4100	0.1106	0.7094	1e-04
00400	pH (Standard Units)	ConchoRiver	12429-SURFACE-12171-SURFACE	0.4041	0.0775	0.7307	0.0012
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12171-SURFACE	-0.6711	-0.9284	-0.4138	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12171-SURFACE	-0.6775	-0.9297	-0.4253	<0.0001
00400	pH (Standard Units)	ConchoRiver	12418-SURFACE-12254-SURFACE	0.3977	0.0599	0.7354	0.0034
00400	pH (Standard Units)	ConchoRiver	12419-SURFACE-12254-SURFACE	0.3883	0.0478	0.7287	0.0063
00400	pH (Standard Units)	ConchoRiver	12421-SURFACE-12254-SURFACE	0.3941	0.0508	0.7374	0.0056
00400	pH (Standard Units)	ConchoRiver	12422-SURFACE-12254-SURFACE	0.3421	0.0017	0.6825	0.0469
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12254-SURFACE	-0.7390	-1.0573	-0.4206	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12254-SURFACE	-0.7454	-1.0597	-0.4311	<0.0001
00400	pH (Standard Units)	ConchoRiver	12418-SURFACE-12255-SURFACE	0.4756	0.1123	0.8388	3e-04
00400	pH (Standard Units)	ConchoRiver	12419-SURFACE-12255-SURFACE	0.4662	0.1004	0.8319	6e-04
00400	pH (Standard Units)	ConchoRiver	12421-SURFACE-12255-SURFACE	0.4720	0.1036	0.8404	5e-04
00400	pH (Standard Units)	ConchoRiver	12422-SURFACE-12255-SURFACE	0.4200	0.0543	0.7857	0.0056
00400	pH (Standard Units)	ConchoRiver	12425-SURFACE-12255-SURFACE	0.4200	0.0423	0.7977	0.0099
00400	pH (Standard Units)	ConchoRiver	12429-SURFACE-12255-SURFACE	0.4141	0.0145	0.8137	0.0305
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12255-SURFACE	-0.6611	-1.0063	-0.3158	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12255-SURFACE	-0.6675	-1.0090	-0.3260	<0.0001
00400	pH (Standard Units)	ConchoRiver	12418-SURFACE-12257-SURFACE	0.3189	0.0197	0.6181	0.02
00400	pH (Standard Units)	ConchoRiver	12419-SURFACE-12257-SURFACE	0.3095	0.0073	0.6117	0.0362
00400	pH (Standard Units)	ConchoRiver	12421-SURFACE-12257-SURFACE	0.3153	0.0099	0.6208	0.0323
00400	pH (Standard Units)	ConchoRiver	12427-SURFACE-12257-SURFACE	-0.3517	-0.6241	-0.0792	5e-04
00400	pH (Standard Units)	ConchoRiver	12512-BOTTOM-12257-SURFACE	-0.4256	-0.7618	-0.0893	7e-04
00400	pH (Standard Units)	ConchoRiver	17350-SURFACE-12257-SURFACE	-0.3367	-0.6212	-0.0521	0.0031
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12257-SURFACE	-0.8177	-1.0949	-0.5406	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12257-SURFACE	-0.8242	-1.0966	-0.5517	<0.0001
00400	pH (Standard Units)	ConchoRiver	12418-SURFACE-12401-SURFACE	0.3019	0.0223	0.5815	0.0162
00400	pH (Standard Units)	ConchoRiver	12419-SURFACE-12401-SURFACE	0.2925	0.0097	0.5753	0.0314
00400	pH (Standard Units)	ConchoRiver	12421-SURFACE-12401-SURFACE	0.2983	0.0121	0.5846	0.0281
00400	pH (Standard Units)	ConchoRiver	12427-SURFACE-12401-SURFACE	-0.3687	-0.6193	-0.1180	<0.0001
00400	pH (Standard Units)	ConchoRiver	12512-BOTTOM-12401-SURFACE	-0.4425	-0.7615	-0.1236	1e-04

00400	pH (Standard Units)	ConchoRiver	16779-SURFACE-12401-SURFACE	-0.2971	-0.5910	-0.0033	0.0431
00400	pH (Standard Units)	ConchoRiver	17350-SURFACE-12401-SURFACE	-0.3537	-0.6174	-0.0899	2e-04
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12401-SURFACE	-0.8347	-1.0905	-0.5790	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12401-SURFACE	-0.8412	-1.0918	-0.5905	<0.0001
00400	pH (Standard Units)	ConchoRiver	12416-SURFACE-12402-SURFACE	0.2720	0.0213	0.5227	0.015
00400	pH (Standard Units)	ConchoRiver	12418-SURFACE-12402-SURFACE	0.4081	0.1271	0.6890	<0.0001
00400	pH (Standard Units)	ConchoRiver	12419-SURFACE-12402-SURFACE	0.3987	0.1145	0.6828	<0.0001
00400	pH (Standard Units)	ConchoRiver	12421-SURFACE-12402-SURFACE	0.4045	0.1169	0.6921	<0.0001
00400	pH (Standard Units)	ConchoRiver	12422-SURFACE-12402-SURFACE	0.3525	0.0684	0.6366	0.0011
00400	pH (Standard Units)	ConchoRiver	12425-SURFACE-12402-SURFACE	0.3525	0.0531	0.6519	0.0034
00400	pH (Standard Units)	ConchoRiver	12427-SURFACE-12402-SURFACE	-0.2625	-0.5147	-0.0103	0.0287
00400	pH (Standard Units)	ConchoRiver	12429-SURFACE-12402-SURFACE	0.3466	0.0200	0.6732	0.0213
00400	pH (Standard Units)	ConchoRiver	12512-BOTTOM-12402-SURFACE	-0.3364	-0.6565	-0.0162	0.0249
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12402-SURFACE	-0.7286	-0.9859	-0.4713	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12402-SURFACE	-0.7350	-0.9872	-0.4828	<0.0001
00400	pH (Standard Units)	ConchoRiver	12416-SURFACE-12403-SURFACE	0.2920	0.0413	0.5427	0.0042
00400	pH (Standard Units)	ConchoRiver	12418-SURFACE-12403-SURFACE	0.4281	0.1471	0.7090	<0.0001
00400	pH (Standard Units)	ConchoRiver	12419-BOTTOM-12403-SURFACE	0.3033	0.0191	0.5874	0.0196
00400	pH (Standard Units)	ConchoRiver	12419-SURFACE-12403-SURFACE	0.4187	0.1345	0.7028	<0.0001
00400	pH (Standard Units)	ConchoRiver	12421-SURFACE-12403-SURFACE	0.4245	0.1369	0.7121	<0.0001
00400	pH (Standard Units)	ConchoRiver	12422-SURFACE-12403-SURFACE	0.3725	0.0884	0.6566	3e-04
00400	pH (Standard Units)	ConchoRiver	12425-SURFACE-12403-SURFACE	0.3725	0.0731	0.6719	0.0011
00400	pH (Standard Units)	ConchoRiver	12429-SURFACE-12403-SURFACE	0.3666	0.0400	0.6932	0.0084
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12403-SURFACE	-0.7086	-0.9659	-0.4513	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12403-SURFACE	-0.7150	-0.9672	-0.4628	<0.0001
00400	pH (Standard Units)	ConchoRiver	12418-SURFACE-12407-SURFACE	0.3709	0.0886	0.6533	3e-04
00400	pH (Standard Units)	ConchoRiver	12419-SURFACE-12407-SURFACE	0.3615	0.0760	0.6471	7e-04
00400	pH (Standard Units)	ConchoRiver	12421-SURFACE-12407-SURFACE	0.3674	0.0784	0.6564	7e-04
00400	pH (Standard Units)	ConchoRiver	12422-SURFACE-12407-SURFACE	0.3154	0.0298	0.6010	0.0112
00400	pH (Standard Units)	ConchoRiver	12425-SURFACE-12407-SURFACE	0.3154	0.0146	0.6161	0.0257
00400	pH (Standard Units)	ConchoRiver	12427-SURFACE-12407-SURFACE	-0.2996	-0.5534	-0.0458	0.0033
00400	pH (Standard Units)	ConchoRiver	12512-BOTTOM-12407-SURFACE	-0.3735	-0.6949	-0.0521	0.0044

00400	pH (Standard Units)	ConchoRiver	17350-SURFACE-12407-SURFACE	-0.2846	-0.5514	-0.0178	0.0197
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12407-SURFACE	-0.7657	-1.0246	-0.5068	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12407-SURFACE	-0.7721	-1.0259	-0.5183	<0.0001
00400	pH (Standard Units)	ConchoRiver	12418-SURFACE-12409-SURFACE	0.2921	0.0126	0.5717	0.027
00400	pH (Standard Units)	ConchoRiver	12421-SURFACE-12409-SURFACE	0.2886	0.0024	0.5748	0.0448
00400	pH (Standard Units)	ConchoRiver	12427-SURFACE-12409-SURFACE	-0.3784	-0.6291	-0.1277	<0.0001
00400	pH (Standard Units)	ConchoRiver	12512-BOTTOM-12409-SURFACE	-0.4523	-0.7712	-0.1334	<0.0001
00400	pH (Standard Units)	ConchoRiver	16779-SURFACE-12409-SURFACE	-0.3069	-0.6007	-0.0130	0.0273
00400	pH (Standard Units)	ConchoRiver	17346-SURFACE-12409-SURFACE	-0.2584	-0.5091	-0.0077	0.0329
00400	pH (Standard Units)	ConchoRiver	17350-SURFACE-12409-SURFACE	-0.3634	-0.6272	-0.0996	1e-04
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12409-SURFACE	-0.8445	-1.1003	-0.5887	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12409-SURFACE	-0.8509	-1.1016	-0.6002	<0.0001
00400	pH (Standard Units)	ConchoRiver	12418-SURFACE-12412-SURFACE	0.4056	0.0142	0.7969	0.0305
00400	pH (Standard Units)	ConchoRiver	12419-SURFACE-12412-SURFACE	0.3962	0.0025	0.7898	0.046
00400	pH (Standard Units)	ConchoRiver	12421-SURFACE-12412-SURFACE	0.4020	0.0059	0.7981	0.041
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12412-SURFACE	-0.7311	-1.1058	-0.3564	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12412-SURFACE	-0.7375	-1.1088	-0.3662	<0.0001
00400	pH (Standard Units)	ConchoRiver	12427-SURFACE-12416-SURFACE	-0.5345	-0.7852	-0.2838	<0.0001
00400	pH (Standard Units)	ConchoRiver	12429-BOTTOM-12416-SURFACE	-0.4445	-0.7770	-0.1120	2e-04
00400	pH (Standard Units)	ConchoRiver	12512-BOTTOM-12416-SURFACE	-0.6084	-0.9273	-0.2895	<0.0001
00400	pH (Standard Units)	ConchoRiver	15886-SURFACE-12416-SURFACE	-0.3520	-0.6027	-0.1013	<0.0001
00400	pH (Standard Units)	ConchoRiver	16779-SURFACE-12416-SURFACE	-0.4630	-0.7568	-0.1691	<0.0001
00400	pH (Standard Units)	ConchoRiver	16780-SURFACE-12416-SURFACE	-0.4295	-0.7372	-0.1219	1e-04
00400	pH (Standard Units)	ConchoRiver	17346-SURFACE-12416-SURFACE	-0.4145	-0.6652	-0.1638	<0.0001
00400	pH (Standard Units)	ConchoRiver	17350-SURFACE-12416-SURFACE	-0.5195	-0.7833	-0.2557	<0.0001
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12416-SURFACE	-1.0006	-1.2564	-0.7448	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12416-SURFACE	-1.0070	-1.2577	-0.7563	<0.0001
00400	pH (Standard Units)	ConchoRiver	12427-SURFACE-12418-BOTTOM	-0.4342	-0.7184	-0.1501	<0.0001
00400	pH (Standard Units)	ConchoRiver	12512-BOTTOM-12418-BOTTOM	-0.5081	-0.8540	-0.1623	<0.0001
00400	pH (Standard Units)	ConchoRiver	16779-SURFACE-12418-BOTTOM	-0.3627	-0.6856	-0.0398	0.0083
00400	pH (Standard Units)	ConchoRiver	17346-SURFACE-12418-BOTTOM	-0.3142	-0.5984	-0.0301	0.0109
00400	pH (Standard Units)	ConchoRiver	17350-SURFACE-12418-BOTTOM	-0.4192	-0.7150	-0.1234	<0.0001

00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12418-BOTTOM	-0.9003	-1.1890	-0.6117	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12418-BOTTOM	-0.9067	-1.1909	-0.6226	<0.0001
00400	pH (Standard Units)	ConchoRiver	12422-BOTTOM-12418-SURFACE	-0.3222	-0.6387	-0.0058	0.0392
00400	pH (Standard Units)	ConchoRiver	12427-SURFACE-12418-SURFACE	-0.6706	-0.9515	-0.3896	<0.0001
00400	pH (Standard Units)	ConchoRiver	12429-BOTTOM-12418-SURFACE	-0.5806	-0.9364	-0.2247	<0.0001
00400	pH (Standard Units)	ConchoRiver	12512-BOTTOM-12418-SURFACE	-0.7444	-1.0877	-0.4012	<0.0001
00400	pH (Standard Units)	ConchoRiver	15886-SURFACE-12418-SURFACE	-0.4881	-0.7690	-0.2071	<0.0001
00400	pH (Standard Units)	ConchoRiver	16779-SURFACE-12418-SURFACE	-0.5990	-0.9191	-0.2790	<0.0001
00400	pH (Standard Units)	ConchoRiver	16780-SURFACE-12418-SURFACE	-0.5656	-0.8983	-0.2328	<0.0001
00400	pH (Standard Units)	ConchoRiver	17346-SURFACE-12418-SURFACE	-0.5506	-0.8315	-0.2696	<0.0001
00400	pH (Standard Units)	ConchoRiver	17350-SURFACE-12418-SURFACE	-0.6556	-0.9483	-0.3629	<0.0001
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12418-SURFACE	-1.1366	-1.4221	-0.8511	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12418-SURFACE	-1.1431	-1.4240	-0.8621	<0.0001
00400	pH (Standard Units)	ConchoRiver	12427-SURFACE-12419-BOTTOM	-0.5458	-0.8299	-0.2616	<0.0001
00400	pH (Standard Units)	ConchoRiver	12429-BOTTOM-12419-BOTTOM	-0.4558	-0.8142	-0.0974	6e-04
00400	pH (Standard Units)	ConchoRiver	12512-BOTTOM-12419-BOTTOM	-0.6197	-0.9655	-0.2738	<0.0001
00400	pH (Standard Units)	ConchoRiver	15886-SURFACE-12419-BOTTOM	-0.3633	-0.6474	-0.0791	6e-04
00400	pH (Standard Units)	ConchoRiver	16779-SURFACE-12419-BOTTOM	-0.4742	-0.7971	-0.1514	<0.0001
00400	pH (Standard Units)	ConchoRiver	16780-SURFACE-12419-BOTTOM	-0.4408	-0.7763	-0.1053	3e-04
00400	pH (Standard Units)	ConchoRiver	17346-SURFACE-12419-BOTTOM	-0.4258	-0.7099	-0.1416	<0.0001
00400	pH (Standard Units)	ConchoRiver	17350-SURFACE-12419-BOTTOM	-0.5308	-0.8266	-0.2350	<0.0001
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12419-BOTTOM	-1.0119	-1.3005	-0.7232	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12419-BOTTOM	-1.0183	-1.3024	-0.7341	<0.0001
00400	pH (Standard Units)	ConchoRiver	12427-SURFACE-12419-SURFACE	-0.6612	-0.9453	-0.3770	<0.0001
00400	pH (Standard Units)	ConchoRiver	12429-BOTTOM-12419-SURFACE	-0.5712	-0.9296	-0.2128	<0.0001
00400	pH (Standard Units)	ConchoRiver	12512-BOTTOM-12419-SURFACE	-0.7350	-1.0809	-0.3892	<0.0001
00400	pH (Standard Units)	ConchoRiver	15886-SURFACE-12419-SURFACE	-0.4787	-0.7628	-0.1945	<0.0001
00400	pH (Standard Units)	ConchoRiver	16779-SURFACE-12419-SURFACE	-0.5896	-0.9125	-0.2668	<0.0001
00400	pH (Standard Units)	ConchoRiver	16780-SURFACE-12419-SURFACE	-0.5562	-0.8916	-0.2207	<0.0001
00400	pH (Standard Units)	ConchoRiver	17346-SURFACE-12419-SURFACE	-0.5412	-0.8253	-0.2570	<0.0001
00400	pH (Standard Units)	ConchoRiver	17350-SURFACE-12419-SURFACE	-0.6462	-0.9419	-0.3504	<0.0001
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12419-SURFACE	-1.1272	-1.4159	-0.8386	<0.0001

00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12419-SURFACE	-1.1337	-1.4178	-0.8495	<0.0001
00400	pH (Standard Units)	ConchoRiver	12427-SURFACE-12421-BOTTOM	-0.4150	-0.7026	-0.1274	<0.0001
00400	pH (Standard Units)	ConchoRiver	12512-BOTTOM-12421-BOTTOM	-0.4889	-0.8376	-0.1402	1e-04
00400	pH (Standard Units)	ConchoRiver	16779-SURFACE-12421-BOTTOM	-0.3435	-0.6694	-0.0176	0.0238
00400	pH (Standard Units)	ConchoRiver	17346-SURFACE-12421-BOTTOM	-0.2950	-0.5826	-0.0074	0.0353
00400	pH (Standard Units)	ConchoRiver	17350-SURFACE-12421-BOTTOM	-0.4000	-0.6991	-0.1009	2e-04
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12421-BOTTOM	-0.8811	-1.1731	-0.5891	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12421-BOTTOM	-0.8875	-1.1751	-0.5999	<0.0001
00400	pH (Standard Units)	ConchoRiver	12427-SURFACE-12421-SURFACE	-0.6670	-0.9546	-0.3794	<0.0001
00400	pH (Standard Units)	ConchoRiver	12429-BOTTOM-12421-SURFACE	-0.5770	-0.9381	-0.2159	<0.0001
00400	pH (Standard Units)	ConchoRiver	12512-BOTTOM-12421-SURFACE	-0.7409	-1.0896	-0.3922	<0.0001
00400	pH (Standard Units)	ConchoRiver	15886-SURFACE-12421-SURFACE	-0.4845	-0.7721	-0.1969	<0.0001
00400	pH (Standard Units)	ConchoRiver	16779-SURFACE-12421-SURFACE	-0.5955	-0.9214	-0.2696	<0.0001
00400	pH (Standard Units)	ConchoRiver	16780-SURFACE-12421-SURFACE	-0.5620	-0.9004	-0.2236	<0.0001
00400	pH (Standard Units)	ConchoRiver	17346-SURFACE-12421-SURFACE	-0.5470	-0.8346	-0.2594	<0.0001
00400	pH (Standard Units)	ConchoRiver	17350-SURFACE-12421-SURFACE	-0.6520	-0.9511	-0.3529	<0.0001
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12421-SURFACE	-1.1331	-1.4251	-0.8411	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12421-SURFACE	-1.1395	-1.4271	-0.8519	<0.0001
00400	pH (Standard Units)	ConchoRiver	12427-SURFACE-12422-BOTTOM	-0.3483	-0.6396	-0.0571	0.0025
00400	pH (Standard Units)	ConchoRiver	12512-BOTTOM-12422-BOTTOM	-0.4222	-0.7739	-0.0705	0.0023
00400	pH (Standard Units)	ConchoRiver	17350-SURFACE-12422-BOTTOM	-0.3333	-0.6359	-0.0307	0.0117
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12422-BOTTOM	-0.8144	-1.1100	-0.5188	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12422-BOTTOM	-0.8208	-1.1121	-0.5296	<0.0001
00400	pH (Standard Units)	ConchoRiver	12427-SURFACE-12422-SURFACE	-0.6150	-0.8991	-0.3309	<0.0001
00400	pH (Standard Units)	ConchoRiver	12429-BOTTOM-12422-SURFACE	-0.5250	-0.8834	-0.1666	<0.0001
00400	pH (Standard Units)	ConchoRiver	12512-BOTTOM-12422-SURFACE	-0.6889	-1.0347	-0.3430	<0.0001
00400	pH (Standard Units)	ConchoRiver	15886-SURFACE-12422-SURFACE	-0.4325	-0.7166	-0.1484	<0.0001
00400	pH (Standard Units)	ConchoRiver	16779-SURFACE-12422-SURFACE	-0.5435	-0.8664	-0.2206	<0.0001
00400	pH (Standard Units)	ConchoRiver	16780-SURFACE-12422-SURFACE	-0.5100	-0.8455	-0.1745	<0.0001
00400	pH (Standard Units)	ConchoRiver	17346-SURFACE-12422-SURFACE	-0.4950	-0.7791	-0.2109	<0.0001
00400	pH (Standard Units)	ConchoRiver	17350-SURFACE-12422-SURFACE	-0.6000	-0.8958	-0.3042	<0.0001
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12422-SURFACE	-1.0811	-1.3697	-0.7924	<0.0001

00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12422-SURFACE	-1.0875	-1.3716	-0.8034	<0.0001
00400	pH (Standard Units)	ConchoRiver	12427-SURFACE-12425-BOTTOM	-0.4241	-0.7235	-0.1247	<0.0001
00400	pH (Standard Units)	ConchoRiver	12512-BOTTOM-12425-BOTTOM	-0.4980	-0.8565	-0.1395	1e-04
00400	pH (Standard Units)	ConchoRiver	16779-SURFACE-12425-BOTTOM	-0.3526	-0.6889	-0.0162	0.0258
00400	pH (Standard Units)	ConchoRiver	17346-SURFACE-12425-BOTTOM	-0.3041	-0.6035	-0.0047	0.0406
00400	pH (Standard Units)	ConchoRiver	17350-SURFACE-12425-BOTTOM	-0.4091	-0.7195	-0.0986	3e-04
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12425-BOTTOM	-0.8902	-1.1938	-0.5865	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12425-BOTTOM	-0.8966	-1.1960	-0.5972	<0.0001
00400	pH (Standard Units)	ConchoRiver	12427-SURFACE-12425-SURFACE	-0.6150	-0.9144	-0.3156	<0.0001
00400	pH (Standard Units)	ConchoRiver	12429-BOTTOM-12425-SURFACE	-0.5250	-0.8956	-0.1544	<0.0001
00400	pH (Standard Units)	ConchoRiver	12512-BOTTOM-12425-SURFACE	-0.6889	-1.0474	-0.3304	<0.0001
00400	pH (Standard Units)	ConchoRiver	15886-SURFACE-12425-SURFACE	-0.4325	-0.7319	-0.1331	<0.0001
00400	pH (Standard Units)	ConchoRiver	16779-SURFACE-12425-SURFACE	-0.5435	-0.8799	-0.2071	<0.0001
00400	pH (Standard Units)	ConchoRiver	16780-SURFACE-12425-SURFACE	-0.5100	-0.8585	-0.1615	<0.0001
00400	pH (Standard Units)	ConchoRiver	17346-SURFACE-12425-SURFACE	-0.4950	-0.7944	-0.1956	<0.0001
00400	pH (Standard Units)	ConchoRiver	17350-SURFACE-12425-SURFACE	-0.6000	-0.9105	-0.2895	<0.0001
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12425-SURFACE	-1.0811	-1.3848	-0.7774	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12425-SURFACE	-1.0875	-1.3869	-0.7881	<0.0001
00400	pH (Standard Units)	ConchoRiver	12429-SURFACE-12427-SURFACE	0.6091	0.2825	0.9357	<0.0001
00400	pH (Standard Units)	ConchoRiver	12512-SURFACE-12427-SURFACE	0.4039	0.0837	0.7240	8e-04
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12427-SURFACE	-0.4661	-0.7234	-0.2088	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12427-SURFACE	-0.4725	-0.7247	-0.2203	<0.0001
00400	pH (Standard Units)	ConchoRiver	12429-SURFACE-12429-BOTTOM	0.5191	0.1262	0.9120	3e-04
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12429-BOTTOM	-0.5561	-0.8936	-0.2186	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12429-BOTTOM	-0.5625	-0.8962	-0.2288	<0.0001
00400	pH (Standard Units)	ConchoRiver	12512-BOTTOM-12429-SURFACE	-0.6830	-1.0645	-0.3015	<0.0001
00400	pH (Standard Units)	ConchoRiver	15886-SURFACE-12429-SURFACE	-0.4266	-0.7532	-0.1000	3e-04
00400	pH (Standard Units)	ConchoRiver	16779-SURFACE-12429-SURFACE	-0.5376	-0.8984	-0.1768	<0.0001
00400	pH (Standard Units)	ConchoRiver	16780-SURFACE-12429-SURFACE	-0.5041	-0.8762	-0.1320	1e-04
00400	pH (Standard Units)	ConchoRiver	17346-SURFACE-12429-SURFACE	-0.4891	-0.8157	-0.1625	<0.0001
00400	pH (Standard Units)	ConchoRiver	17350-SURFACE-12429-SURFACE	-0.5941	-0.9309	-0.2574	<0.0001
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12429-SURFACE	-1.0752	-1.4057	-0.7447	<0.0001

00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12429-SURFACE	-1.0816	-1.4082	-0.7550	<0.0001
00400	pH (Standard Units)	ConchoRiver	12512-SURFACE-12512-BOTTOM	0.4778	0.1018	0.8538	7e-04
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12512-BOTTOM	-0.3922	-0.7163	-0.0681	0.002
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12512-BOTTOM	-0.3986	-0.7188	-0.0785	0.0011
00400	pH (Standard Units)	ConchoRiver	17350-SURFACE-12512-SURFACE	-0.3889	-0.7194	-0.0584	0.0035
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-12512-SURFACE	-0.8700	-1.1941	-0.5458	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-12512-SURFACE	-0.8764	-1.1965	-0.5562	<0.0001
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-15886-SURFACE	-0.6486	-0.9059	-0.3913	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-15886-SURFACE	-0.6550	-0.9072	-0.4028	<0.0001
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-16779-SURFACE	-0.5376	-0.8371	-0.2381	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-16779-SURFACE	-0.5440	-0.8392	-0.2489	<0.0001
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-16780-SURFACE	-0.5711	-0.8841	-0.2580	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-16780-SURFACE	-0.5775	-0.8864	-0.2686	<0.0001
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-17346-SURFACE	-0.5861	-0.8434	-0.3288	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-17346-SURFACE	-0.5925	-0.8447	-0.3403	<0.0001
00400	pH (Standard Units)	ConchoRiver	18711-SURFACE-17350-SURFACE	-0.4811	-0.7512	-0.2110	<0.0001
00400	pH (Standard Units)	ConchoRiver	18712-SURFACE-17350-SURFACE	-0.4875	-0.7528	-0.2222	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12254-SURFACE-12161-SURFACE	29.3330	24.5932	34.0728	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12257-SURFACE-12161-SURFACE	10.0246	5.8721	14.1770	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12401-SURFACE-12161-SURFACE	3.9548	0.1135	7.7961	0.0352
00620	Nitrate (mg/L)	ConchoRiver	12402-SURFACE-12161-SURFACE	6.8024	2.6858	10.9190	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12403-SURFACE-12161-SURFACE	5.0265	1.1630	8.8900	7e-04
00620	Nitrate (mg/L)	ConchoRiver	12254-SURFACE-12166-SURFACE	29.1301	24.4113	33.8489	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12257-SURFACE-12166-SURFACE	9.8216	5.6931	13.9501	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12402-SURFACE-12166-SURFACE	6.5994	2.5071	10.6918	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12403-SURFACE-12166-SURFACE	4.8235	0.9858	8.6613	0.0015
00620	Nitrate (mg/L)	ConchoRiver	12254-SURFACE-12171-SURFACE	29.4490	24.7302	34.1678	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12257-SURFACE-12171-SURFACE	10.1406	6.0121	14.2690	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12401-SURFACE-12171-SURFACE	4.0708	0.2554	7.8862	0.0221
00620	Nitrate (mg/L)	ConchoRiver	12402-SURFACE-12171-SURFACE	6.9184	2.8261	11.0108	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12403-SURFACE-12171-SURFACE	5.1425	1.3048	8.9802	4e-04
00620	Nitrate (mg/L)	ConchoRiver	12255-SURFACE-12254-SURFACE	-25.2219	-30.9767	-19.4671	<0.0001

00620	Nitrate (mg/L)	ConchoRiver	12257-SURFACE-12254-SURFACE	-19.3085	-24.2293	-14.3876	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12401-SURFACE-12254-SURFACE	-25.3782	-30.0395	-20.7169	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12402-SURFACE-12254-SURFACE	-22.5306	-27.4212	-17.6400	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12403-SURFACE-12254-SURFACE	-24.3065	-28.9861	-19.6269	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12407-SURFACE-12254-SURFACE	-28.5637	-33.4544	-23.6731	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12409-SURFACE-12254-SURFACE	-29.2773	-33.9569	-24.5976	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12422-SURFACE-12254-SURFACE	-29.4617	-34.9583	-23.9651	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12425-SURFACE-12254-SURFACE	-29.2915	-34.7172	-23.8658	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12427-SURFACE-12254-SURFACE	-28.3467	-33.0455	-23.6480	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12512-SURFACE-12254-SURFACE	-28.7319	-34.3063	-23.1576	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	15886-SURFACE-12254-SURFACE	-28.4690	-33.1486	-23.7893	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	16779-SURFACE-12254-SURFACE	-29.2132	-34.4589	-23.9674	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	17346-SURFACE-12254-SURFACE	-28.3551	-33.0347	-23.6754	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	17350-SURFACE-12254-SURFACE	-29.3693	-34.2042	-24.5343	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	18711-SURFACE-12254-SURFACE	-27.7786	-32.5183	-23.0388	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	18712-SURFACE-12254-SURFACE	-27.5792	-32.2588	-22.8996	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12257-SURFACE-12255-SURFACE	5.9134	0.6319	11.1949	0.011
00620	Nitrate (mg/L)	ConchoRiver	12401-SURFACE-12257-SURFACE	-6.0697	-10.1324	-2.0071	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12403-SURFACE-12257-SURFACE	-4.9981	-9.0817	-0.9144	0.0024
00620	Nitrate (mg/L)	ConchoRiver	12407-SURFACE-12257-SURFACE	-9.2553	-13.5791	-4.9315	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12409-SURFACE-12257-SURFACE	-9.9688	-14.0524	-5.8852	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12422-SURFACE-12257-SURFACE	-10.1532	-15.1522	-5.1543	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12425-SURFACE-12257-SURFACE	-9.9830	-14.9039	-5.0622	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12427-SURFACE-12257-SURFACE	-9.0383	-13.1438	-4.9327	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12512-SURFACE-12257-SURFACE	-9.4235	-14.5078	-4.3392	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	15886-SURFACE-12257-SURFACE	-9.1605	-13.2441	-5.0769	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	16779-SURFACE-12257-SURFACE	-9.9047	-14.6264	-5.1829	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	17346-SURFACE-12257-SURFACE	-9.0466	-13.1302	-4.9630	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	17350-SURFACE-12257-SURFACE	-10.0608	-14.3216	-5.8000	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	18711-SURFACE-12257-SURFACE	-8.4701	-12.6225	-4.3176	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	18712-SURFACE-12257-SURFACE	-8.2707	-12.3544	-4.1871	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12409-SURFACE-12401-SURFACE	-3.8990	-7.6659	-0.1322	0.0329

00620	Nitrate (mg/L)	ConchoRiver	17350-SURFACE-12401-SURFACE	-3.9911	-7.9492	-0.0329	0.0454
00620	Nitrate (mg/L)	ConchoRiver	12407-SURFACE-12402-SURFACE	-6.0331	-10.3225	-1.7438	1e-04
00620	Nitrate (mg/L)	ConchoRiver	12409-SURFACE-12402-SURFACE	-6.7466	-10.7938	-2.6995	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	12422-SURFACE-12402-SURFACE	-6.9311	-11.9003	-1.9619	1e-04
00620	Nitrate (mg/L)	ConchoRiver	12425-SURFACE-12402-SURFACE	-6.7609	-11.6515	-1.8703	2e-04
00620	Nitrate (mg/L)	ConchoRiver	12427-SURFACE-12402-SURFACE	-5.8161	-9.8854	-1.7469	1e-04
00620	Nitrate (mg/L)	ConchoRiver	12512-SURFACE-12402-SURFACE	-6.2013	-11.2564	-1.1463	0.0023
00620	Nitrate (mg/L)	ConchoRiver	15886-SURFACE-12402-SURFACE	-5.9383	-9.9855	-1.8912	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	16779-SURFACE-12402-SURFACE	-6.6825	-11.3728	-1.9923	1e-04
00620	Nitrate (mg/L)	ConchoRiver	17346-SURFACE-12402-SURFACE	-5.8244	-9.8716	-1.7773	1e-04
00620	Nitrate (mg/L)	ConchoRiver	17350-SURFACE-12402-SURFACE	-6.8386	-11.0644	-2.6128	<0.0001
00620	Nitrate (mg/L)	ConchoRiver	18711-SURFACE-12402-SURFACE	-5.2479	-9.3645	-1.1314	0.0011
00620	Nitrate (mg/L)	ConchoRiver	18712-SURFACE-12402-SURFACE	-5.0486	-9.0957	-1.0015	0.0017
00620	Nitrate (mg/L)	ConchoRiver	12407-SURFACE-12403-SURFACE	-4.2572	-8.3044	-0.2101	0.0268
00620	Nitrate (mg/L)	ConchoRiver	12409-SURFACE-12403-SURFACE	-4.9707	-8.7602	-1.1813	6e-04
00620	Nitrate (mg/L)	ConchoRiver	12422-SURFACE-12403-SURFACE	-5.1552	-9.9169	-0.3935	0.0181
00620	Nitrate (mg/L)	ConchoRiver	12425-SURFACE-12403-SURFACE	-4.9850	-9.6646	-0.3054	0.0226
00620	Nitrate (mg/L)	ConchoRiver	12427-SURFACE-12403-SURFACE	-4.0402	-7.8533	-0.2272	0.0243
00620	Nitrate (mg/L)	ConchoRiver	15886-SURFACE-12403-SURFACE	-4.1624	-7.9519	-0.3730	0.0147
00620	Nitrate (mg/L)	ConchoRiver	16779-SURFACE-12403-SURFACE	-4.9066	-9.3764	-0.4368	0.0148
00620	Nitrate (mg/L)	ConchoRiver	17346-SURFACE-12403-SURFACE	-4.0485	-7.8380	-0.2591	0.0217
00620	Nitrate (mg/L)	ConchoRiver	17350-SURFACE-12403-SURFACE	-5.0627	-9.0425	-1.0830	0.0011
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	12409-SURFACE-12161-SURFACE	0.6493	0.0961	1.2026	0.0048
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	15886-SURFACE-12161-SURFACE	0.7468	0.1899	1.3037	3e-04
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	12257-SURFACE-12166-SURFACE	0.8815	0.2816	1.4815	<0.0001
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	12401-SURFACE-12166-SURFACE	0.9549	0.3980	1.5118	<0.0001
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	12402-SURFACE-12166-SURFACE	0.8575	0.2634	1.4515	<0.0001
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	12403-SURFACE-12166-SURFACE	0.9514	0.3982	1.5046	<0.0001
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	12407-SURFACE-12166-SURFACE	0.8233	0.2292	1.4174	1e-04

00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	12409-SURFACE-12166-SURFACE	1.0574	0.5042	1.6107	<0.0001
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	12416-SURFACE-12166-SURFACE	0.8532	0.3000	1.4065	<0.0001
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	12418-SURFACE-12166-SURFACE	0.7560	0.1431	1.3690	0.0019
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	12419-SURFACE-12166-SURFACE	0.8299	0.2169	1.4429	2e-04
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	12421-SURFACE-12166-SURFACE	0.8508	0.2148	1.4868	3e-04
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	15886-SURFACE-12166-SURFACE	1.1549	0.5980	1.7118	<0.0001
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	15886-SURFACE-12171-SURFACE	0.6079	0.0431	1.1727	0.019
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	15886-SURFACE-12254-SURFACE	0.7125	0.0106	1.4143	0.0416
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	17346-SURFACE-12257-SURFACE	-0.6686	-1.2721	-0.0650	0.0124
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	17346-SURFACE-12401-SURFACE	-0.7419	-1.3027	-0.1811	4e-04
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	17350-SURFACE-12401-SURFACE	-0.6919	-1.2804	-0.1034	0.0046
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	17346-SURFACE-12402-SURFACE	-0.6445	-1.2422	-0.0468	0.0185
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	17346-SURFACE-12403-SURFACE	-0.7384	-1.2955	-0.1813	4e-04
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	17350-SURFACE-12403-SURFACE	-0.6884	-1.2734	-0.1034	0.0045
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	17346-SURFACE-12407-SURFACE	-0.6103	-1.2080	-0.0127	0.0387
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	12422-SURFACE-12409-SURFACE	-0.7283	-1.3700	-0.0866	0.0084
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	16779-SURFACE-12409-SURFACE	-0.6905	-1.3522	-0.0288	0.0292
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	17346-SURFACE-12409-SURFACE	-0.8445	-1.4016	-0.2874	<0.0001
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	17350-SURFACE-12409-SURFACE	-0.7945	-1.3795	-0.2095	2e-04
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	17346-SURFACE-12416-SURFACE	-0.6403	-1.1974	-0.0832	0.0068
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	17350-SURFACE-12416-SURFACE	-0.5903	-1.1753	-0.0052	0.0449

00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	17346-SURFACE-12419-SURFACE	-0.6169	-1.2334	-0.0004	0.0496
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	15886-SURFACE-12422-SURFACE	0.8257	0.1808	1.4706	9e-04
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	15886-SURFACE-12425-SURFACE	0.7075	0.0427	1.3723	0.0223
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	16779-SURFACE-15886-SURFACE	-0.7879	-1.4527	-0.1231	0.004
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	16780-SURFACE-15886-SURFACE	-0.7663	-1.4547	-0.0780	0.0115
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	17346-SURFACE-15886-SURFACE	-0.9419	-1.5027	-0.3811	<0.0001
00625	Total Kjeldahl Nitrogen (mg/L)	ConchoRiver	17350-SURFACE-15886-SURFACE	-0.8919	-1.4804	-0.3034	<0.0001
00665	Total Phosphorus (mg/L)	ConchoRiver	12401-SURFACE-12161-SURFACE	0.0453	0.0090	0.0816	0.0016
00665	Total Phosphorus (mg/L)	ConchoRiver	12402-SURFACE-12161-SURFACE	0.0421	0.0029	0.0812	0.0199
00665	Total Phosphorus (mg/L)	ConchoRiver	12403-SURFACE-12161-SURFACE	0.0375	0.0011	0.0738	0.0344
00665	Total Phosphorus (mg/L)	ConchoRiver	12409-SURFACE-12161-SURFACE	0.0502	0.0146	0.0858	1e-04
00665	Total Phosphorus (mg/L)	ConchoRiver	15886-SURFACE-12161-SURFACE	0.0650	0.0289	0.1011	<0.0001
00665	Total Phosphorus (mg/L)	ConchoRiver	12401-SURFACE-12166-SURFACE	0.0429	0.0066	0.0793	0.0044
00665	Total Phosphorus (mg/L)	ConchoRiver	12402-SURFACE-12166-SURFACE	0.0397	0.0005	0.0789	0.0426
00665	Total Phosphorus (mg/L)	ConchoRiver	12409-SURFACE-12166-SURFACE	0.0478	0.0122	0.0835	3e-04
00665	Total Phosphorus (mg/L)	ConchoRiver	15886-SURFACE-12166-SURFACE	0.0626	0.0265	0.0987	<0.0001
00665	Total Phosphorus (mg/L)	ConchoRiver	15886-SURFACE-12257-SURFACE	0.0484	0.0096	0.0872	0.0016
00665	Total Phosphorus (mg/L)	ConchoRiver	12416-SURFACE-12401-SURFACE	-0.0389	-0.0746	-0.0032	0.016
00665	Total Phosphorus (mg/L)	ConchoRiver	12422-SURFACE-12401-SURFACE	-0.0440	-0.0852	-0.0028	0.0217
00665	Total Phosphorus (mg/L)	ConchoRiver	17350-SURFACE-12401-SURFACE	-0.0423	-0.0800	-0.0046	0.0102
00665	Total Phosphorus (mg/L)	ConchoRiver	12416-SURFACE-12409-SURFACE	-0.0438	-0.0788	-0.0088	0.0014

00665	Total Phosphorus (mg/L)	ConchoRiver	12418-SURFACE-12409-SURFACE	-0.0429	-0.0821	-0.0037	0.0149
00665	Total Phosphorus (mg/L)	ConchoRiver	12422-SURFACE-12409-SURFACE	-0.0489	-0.0895	-0.0083	0.0031
00665	Total Phosphorus (mg/L)	ConchoRiver	17350-SURFACE-12409-SURFACE	-0.0472	-0.0842	-0.0102	0.001
00665	Total Phosphorus (mg/L)	ConchoRiver	15886-SURFACE-12416-SURFACE	0.0586	0.0232	0.0940	<0.0001
00665	Total Phosphorus (mg/L)	ConchoRiver	15886-SURFACE-12418-SURFACE	0.0577	0.0181	0.0973	<0.0001
00665	Total Phosphorus (mg/L)	ConchoRiver	15886-SURFACE-12421-SURFACE	0.0487	0.0086	0.0887	0.0026
00665	Total Phosphorus (mg/L)	ConchoRiver	15886-SURFACE-12422-SURFACE	0.0637	0.0227	0.1047	<0.0001
00665	Total Phosphorus (mg/L)	ConchoRiver	15886-SURFACE-12425-SURFACE	0.0508	0.0092	0.0923	0.0023
00665	Total Phosphorus (mg/L)	ConchoRiver	16779-SURFACE-15886-SURFACE	-0.0453	-0.0887	-0.0018	0.0298
00665	Total Phosphorus (mg/L)	ConchoRiver	16780-SURFACE-15886-SURFACE	-0.0539	-0.0981	-0.0098	0.0024
00665	Total Phosphorus (mg/L)	ConchoRiver	17350-SURFACE-15886-SURFACE	-0.0620	-0.0994	-0.0246	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12254-SURFACE-12161-SURFACE	388.4885	168.6673	608.3096	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12401-SURFACE-12161-SURFACE	240.4670	62.7307	418.2034	2e-04
00940	Chloride (mg/L)	ConchoRiver	12402-SURFACE-12161-SURFACE	332.0868	139.7659	524.4078	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12403-SURFACE-12161-SURFACE	279.3946	100.6176	458.1715	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12407-SURFACE-12161-SURFACE	199.0385	8.3991	389.6778	0.0284
00940	Chloride (mg/L)	ConchoRiver	12171-SURFACE-12165-SURFACE	308.0133	96.7823	519.2443	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12254-SURFACE-12165-SURFACE	520.7682	273.8296	767.7068	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12257-SURFACE-12165-SURFACE	244.1730	21.3621	466.9839	0.0138
00940	Chloride (mg/L)	ConchoRiver	12401-SURFACE-12165-SURFACE	372.7468	162.3957	583.0978	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12402-SURFACE-12165-SURFACE	464.3666	241.5557	687.1775	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12403-SURFACE-12165-SURFACE	411.6743	200.4432	622.9053	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12407-SURFACE-12165-SURFACE	331.3182	109.9571	552.6793	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12409-SURFACE-12165-SURFACE	267.0087	56.6576	477.3597	9e-04
00940	Chloride (mg/L)	ConchoRiver	12416-SURFACE-12165-SURFACE	278.4610	68.1100	488.8121	3e-04
00940	Chloride (mg/L)	ConchoRiver	12429-SURFACE-12165-SURFACE	299.4571	45.4340	553.4801	0.004
00940	Chloride (mg/L)	ConchoRiver	15886-SURFACE-12165-SURFACE	279.0865	67.8554	490.3175	4e-04

00940	Chloride (mg/L)	ConchoRiver	12171-SURFACE-12166-SURFACE	293.5259	114.7490	472.3028	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12254-SURFACE-12166-SURFACE	506.2808	286.4596	726.1019	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12257-SURFACE-12166-SURFACE	229.6856	37.3647	422.0066	0.0031
00940	Chloride (mg/L)	ConchoRiver	12401-SURFACE-12166-SURFACE	358.2593	180.5230	535.9957	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12402-SURFACE-12166-SURFACE	449.8792	257.5582	642.2001	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12403-SURFACE-12166-SURFACE	397.1869	218.4099	575.9638	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12407-SURFACE-12166-SURFACE	316.8308	126.1914	507.4701	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12409-SURFACE-12166-SURFACE	252.5212	74.7849	430.2576	1e-04
00940	Chloride (mg/L)	ConchoRiver	12416-SURFACE-12166-SURFACE	263.9736	86.2373	441.7100	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12429-SURFACE-12166-SURFACE	284.9697	57.2190	512.7203	0.0012
00940	Chloride (mg/L)	ConchoRiver	15886-SURFACE-12166-SURFACE	264.5991	85.8221	443.3760	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12422-SURFACE-12171-SURFACE	-251.3551	-454.1704	-48.5398	0.0015
00940	Chloride (mg/L)	ConchoRiver	12425-SURFACE-12171-SURFACE	-241.6516	-449.8728	-33.4305	0.0053
00940	Chloride (mg/L)	ConchoRiver	12427-SURFACE-12171-SURFACE	-329.4439	-505.9720	-152.9158	<0.0001
00940	Chloride (mg/L)	ConchoRiver	16780-SURFACE-12171-SURFACE	-288.6401	-506.6362	-70.6440	3e-04
00940	Chloride (mg/L)	ConchoRiver	17346-SURFACE-12171-SURFACE	-257.1439	-433.6720	-80.6158	<0.0001
00940	Chloride (mg/L)	ConchoRiver	17350-SURFACE-12171-SURFACE	-197.1657	-382.5573	-11.7742	0.0218
00940	Chloride (mg/L)	ConchoRiver	18711-SURFACE-12171-SURFACE	-334.4872	-514.4657	-154.5088	<0.0001
00940	Chloride (mg/L)	ConchoRiver	18712-SURFACE-12171-SURFACE	-331.0537	-507.5817	-154.5256	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12255-SURFACE-12254-SURFACE	-303.8250	-571.9066	-35.7434	0.008
00940	Chloride (mg/L)	ConchoRiver	12257-SURFACE-12254-SURFACE	-276.5952	-505.8296	-47.3607	0.0025
00940	Chloride (mg/L)	ConchoRiver	12409-SURFACE-12254-SURFACE	-253.7595	-470.9031	-36.6160	0.0046
00940	Chloride (mg/L)	ConchoRiver	12416-SURFACE-12254-SURFACE	-242.3071	-459.4507	-25.1636	0.0103
00940	Chloride (mg/L)	ConchoRiver	12418-SURFACE-12254-SURFACE	-335.9900	-575.7695	-96.2105	1e-04
00940	Chloride (mg/L)	ConchoRiver	12419-SURFACE-12254-SURFACE	-328.2577	-565.9789	-90.5365	1e-04
00940	Chloride (mg/L)	ConchoRiver	12421-SURFACE-12254-SURFACE	-337.2300	-577.0095	-97.4505	1e-04
00940	Chloride (mg/L)	ConchoRiver	12422-SURFACE-12254-SURFACE	-464.1100	-703.8895	-224.3305	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12425-SURFACE-12254-SURFACE	-454.4065	-698.7755	-210.0376	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12427-SURFACE-12254-SURFACE	-542.1988	-760.1949	-324.2027	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12512-SURFACE-12254-SURFACE	-304.8447	-560.8985	-48.7909	0.0033
00940	Chloride (mg/L)	ConchoRiver	15886-SURFACE-12254-SURFACE	-241.6817	-459.6778	-23.6856	0.0115
00940	Chloride (mg/L)	ConchoRiver	16779-SURFACE-12254-SURFACE	-360.9065	-605.2755	-116.5376	<0.0001

00940	Chloride (mg/L)	ConchoRiver	16780-SURFACE-12254-SURFACE	-501.3950	-754.1447	-248.6453	<0.0001
00940	Chloride (mg/L)	ConchoRiver	17346-SURFACE-12254-SURFACE	-469.8988	-687.8949	-251.9027	<0.0001
00940	Chloride (mg/L)	ConchoRiver	17350-SURFACE-12254-SURFACE	-409.9206	-635.1542	-184.6870	<0.0001
00940	Chloride (mg/L)	ConchoRiver	18711-SURFACE-12254-SURFACE	-547.2421	-768.0415	-326.4427	<0.0001
00940	Chloride (mg/L)	ConchoRiver	18712-SURFACE-12254-SURFACE	-543.8085	-761.8046	-325.8124	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12402-SURFACE-12255-SURFACE	247.4234	1.3873	493.4595	0.0466
00940	Chloride (mg/L)	ConchoRiver	12427-SURFACE-12255-SURFACE	-238.3738	-473.9743	-2.7733	0.0431
00940	Chloride (mg/L)	ConchoRiver	18711-SURFACE-12255-SURFACE	-243.4171	-481.6138	-5.2204	0.0379
00940	Chloride (mg/L)	ConchoRiver	18712-SURFACE-12255-SURFACE	-239.9835	-475.5840	-4.3830	0.0395
00940	Chloride (mg/L)	ConchoRiver	12402-SURFACE-12257-SURFACE	220.1935	17.1801	423.2070	0.0162
00940	Chloride (mg/L)	ConchoRiver	12427-SURFACE-12257-SURFACE	-265.6036	-455.8359	-75.3714	1e-04
00940	Chloride (mg/L)	ConchoRiver	17346-SURFACE-12257-SURFACE	-193.3036	-383.5359	-3.0714	0.0408
00940	Chloride (mg/L)	ConchoRiver	18711-SURFACE-12257-SURFACE	-270.6469	-464.0853	-77.2086	1e-04
00940	Chloride (mg/L)	ConchoRiver	18712-SURFACE-12257-SURFACE	-267.2134	-457.4456	-76.9811	1e-04
00940	Chloride (mg/L)	ConchoRiver	12422-SURFACE-12401-SURFACE	-316.0886	-517.9872	-114.1899	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12425-SURFACE-12401-SURFACE	-306.3851	-513.7135	-99.0567	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12427-SURFACE-12401-SURFACE	-394.1774	-569.6515	-218.7032	<0.0001
00940	Chloride (mg/L)	ConchoRiver	16779-SURFACE-12401-SURFACE	-212.8851	-420.2135	-5.5567	0.0356
00940	Chloride (mg/L)	ConchoRiver	16780-SURFACE-12401-SURFACE	-353.3736	-570.5171	-136.2300	<0.0001
00940	Chloride (mg/L)	ConchoRiver	17346-SURFACE-12401-SURFACE	-321.8774	-497.3515	-146.4032	<0.0001
00940	Chloride (mg/L)	ConchoRiver	17350-SURFACE-12401-SURFACE	-261.8992	-446.2875	-77.5108	1e-04
00940	Chloride (mg/L)	ConchoRiver	18711-SURFACE-12401-SURFACE	-399.2207	-578.1656	-220.2758	<0.0001
00940	Chloride (mg/L)	ConchoRiver	18712-SURFACE-12401-SURFACE	-395.7871	-571.2613	-220.3129	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12409-SURFACE-12402-SURFACE	-197.3579	-386.6126	-8.1032	0.0288
00940	Chloride (mg/L)	ConchoRiver	12418-SURFACE-12402-SURFACE	-279.5884	-494.4377	-64.7391	5e-04
00940	Chloride (mg/L)	ConchoRiver	12419-SURFACE-12402-SURFACE	-271.8561	-484.4058	-59.3063	7e-04
00940	Chloride (mg/L)	ConchoRiver	12421-SURFACE-12402-SURFACE	-280.8284	-495.6777	-65.9791	5e-04
00940	Chloride (mg/L)	ConchoRiver	12422-SURFACE-12402-SURFACE	-407.7084	-622.5577	-192.8591	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12425-SURFACE-12402-SURFACE	-398.0049	-617.9645	-178.0454	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12427-SURFACE-12402-SURFACE	-485.7972	-676.0294	-295.5649	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12512-SURFACE-12402-SURFACE	-248.4431	-481.3156	-15.5707	0.0208
00940	Chloride (mg/L)	ConchoRiver	16779-SURFACE-12402-SURFACE	-304.5049	-524.4645	-84.5454	1e-04

00940	Chloride (mg/L)	ConchoRiver	16780-SURFACE-12402-SURFACE	-444.9934	-674.2279	-215.7589	<0.0001
00940	Chloride (mg/L)	ConchoRiver	17346-SURFACE-12402-SURFACE	-413.4972	-603.7294	-223.2649	<0.0001
00940	Chloride (mg/L)	ConchoRiver	17350-SURFACE-12402-SURFACE	-353.5190	-552.0037	-155.0343	<0.0001
00940	Chloride (mg/L)	ConchoRiver	18711-SURFACE-12402-SURFACE	-490.8405	-684.2789	-297.4021	<0.0001
00940	Chloride (mg/L)	ConchoRiver	18712-SURFACE-12402-SURFACE	-487.4069	-677.6392	-297.1747	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12418-SURFACE-12403-SURFACE	-226.8961	-429.7114	-24.0808	0.0099
00940	Chloride (mg/L)	ConchoRiver	12419-SURFACE-12403-SURFACE	-219.1638	-419.5415	-18.7860	0.0143
00940	Chloride (mg/L)	ConchoRiver	12421-SURFACE-12403-SURFACE	-228.1361	-430.9514	-25.3208	0.0091
00940	Chloride (mg/L)	ConchoRiver	12422-SURFACE-12403-SURFACE	-355.0161	-557.8314	-152.2008	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12425-SURFACE-12403-SURFACE	-345.3126	-553.5338	-137.0915	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12427-SURFACE-12403-SURFACE	-433.1049	-609.6330	-256.5768	<0.0001
00940	Chloride (mg/L)	ConchoRiver	16779-SURFACE-12403-SURFACE	-251.8126	-460.0338	-43.5915	0.0024
00940	Chloride (mg/L)	ConchoRiver	16780-SURFACE-12403-SURFACE	-392.3011	-610.2972	-174.3050	<0.0001
00940	Chloride (mg/L)	ConchoRiver	17346-SURFACE-12403-SURFACE	-360.8049	-537.3330	-184.2768	<0.0001
00940	Chloride (mg/L)	ConchoRiver	17350-SURFACE-12403-SURFACE	-300.8267	-486.2182	-115.4351	<0.0001
00940	Chloride (mg/L)	ConchoRiver	18711-SURFACE-12403-SURFACE	-438.1482	-618.1267	-258.1697	<0.0001
00940	Chloride (mg/L)	ConchoRiver	18712-SURFACE-12403-SURFACE	-434.7146	-611.2427	-258.1866	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12422-SURFACE-12407-SURFACE	-274.6600	-488.0053	-61.3147	6e-04
00940	Chloride (mg/L)	ConchoRiver	12425-SURFACE-12407-SURFACE	-264.9565	-483.4473	-46.4657	0.0023
00940	Chloride (mg/L)	ConchoRiver	12427-SURFACE-12407-SURFACE	-352.7488	-541.2808	-164.2167	<0.0001
00940	Chloride (mg/L)	ConchoRiver	16780-SURFACE-12407-SURFACE	-311.9450	-539.7705	-84.1195	1e-04
00940	Chloride (mg/L)	ConchoRiver	17346-SURFACE-12407-SURFACE	-280.4488	-468.9808	-91.9167	<0.0001
00940	Chloride (mg/L)	ConchoRiver	17350-SURFACE-12407-SURFACE	-220.4706	-417.3264	-23.6148	0.0097
00940	Chloride (mg/L)	ConchoRiver	18711-SURFACE-12407-SURFACE	-357.7921	-549.5587	-166.0255	<0.0001
00940	Chloride (mg/L)	ConchoRiver	18712-SURFACE-12407-SURFACE	-354.3585	-542.8906	-165.8265	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12422-SURFACE-12409-SURFACE	-210.3505	-412.2491	-8.4518	0.0292
00940	Chloride (mg/L)	ConchoRiver	12427-SURFACE-12409-SURFACE	-288.4393	-463.9134	-112.9651	<0.0001
00940	Chloride (mg/L)	ConchoRiver	16780-SURFACE-12409-SURFACE	-247.6355	-464.7790	-30.4919	0.0072
00940	Chloride (mg/L)	ConchoRiver	17346-SURFACE-12409-SURFACE	-216.1393	-391.6134	-40.6651	0.0017
00940	Chloride (mg/L)	ConchoRiver	18711-SURFACE-12409-SURFACE	-293.4826	-472.4275	-114.5377	<0.0001
00940	Chloride (mg/L)	ConchoRiver	18712-SURFACE-12409-SURFACE	-290.0490	-465.5232	-114.5748	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12422-SURFACE-12416-SURFACE	-221.8029	-423.7015	-19.9042	0.0133

00940	Chloride (mg/L)	ConchoRiver	12425-SURFACE-12416-SURFACE	-212.0994	-419.4278	-4.7710	0.0374
00940	Chloride (mg/L)	ConchoRiver	12427-SURFACE-12416-SURFACE	-299.8916	-475.3658	-124.4175	<0.0001
00940	Chloride (mg/L)	ConchoRiver	16780-SURFACE-12416-SURFACE	-259.0879	-476.2314	-41.9443	0.0032
00940	Chloride (mg/L)	ConchoRiver	17346-SURFACE-12416-SURFACE	-227.5916	-403.0658	-52.1175	5e-04
00940	Chloride (mg/L)	ConchoRiver	18711-SURFACE-12416-SURFACE	-304.9350	-483.8798	-125.9901	<0.0001
00940	Chloride (mg/L)	ConchoRiver	18712-SURFACE-12416-SURFACE	-301.5014	-476.9756	-126.0272	<0.0001
00940	Chloride (mg/L)	ConchoRiver	12427-SURFACE-12418-SURFACE	-206.2088	-409.0241	-3.3935	0.0405
00940	Chloride (mg/L)	ConchoRiver	18711-SURFACE-12418-SURFACE	-211.2521	-417.0776	-5.4266	0.0358
00940	Chloride (mg/L)	ConchoRiver	18712-SURFACE-12418-SURFACE	-207.8185	-410.6339	-5.0032	0.0366
00940	Chloride (mg/L)	ConchoRiver	12427-SURFACE-12419-SURFACE	-213.9411	-414.3188	-13.5633	0.0206
00940	Chloride (mg/L)	ConchoRiver	18711-SURFACE-12419-SURFACE	-218.9844	-422.4084	-15.5604	0.0182
00940	Chloride (mg/L)	ConchoRiver	18712-SURFACE-12419-SURFACE	-215.5508	-415.9286	-15.1731	0.0184
00940	Chloride (mg/L)	ConchoRiver	12427-SURFACE-12421-SURFACE	-204.9688	-407.7841	-2.1535	0.0438
00940	Chloride (mg/L)	ConchoRiver	18711-SURFACE-12421-SURFACE	-210.0121	-415.8376	-4.1866	0.0387
00940	Chloride (mg/L)	ConchoRiver	18712-SURFACE-12421-SURFACE	-206.5785	-409.3939	-3.7632	0.0396
00940	Chloride (mg/L)	ConchoRiver	15886-SURFACE-12422-SURFACE	222.4283	19.6130	425.2436	0.0137
00940	Chloride (mg/L)	ConchoRiver	15886-SURFACE-12425-SURFACE	212.7248	4.5037	420.9460	0.038
00940	Chloride (mg/L)	ConchoRiver	12429-SURFACE-12427-SURFACE	320.8877	94.8980	546.8773	1e-04
00940	Chloride (mg/L)	ConchoRiver	12512-SURFACE-12427-SURFACE	237.3540	15.5356	459.1725	0.0199
00940	Chloride (mg/L)	ConchoRiver	15886-SURFACE-12427-SURFACE	300.5171	123.9890	477.0451	<0.0001
00940	Chloride (mg/L)	ConchoRiver	16780-SURFACE-12429-SURFACE	-280.0839	-539.7596	-20.4082	0.0177
00940	Chloride (mg/L)	ConchoRiver	17346-SURFACE-12429-SURFACE	-248.5877	-474.5773	-22.5980	0.013
00940	Chloride (mg/L)	ConchoRiver	18711-SURFACE-12429-SURFACE	-325.9310	-554.6260	-97.2360	1e-04
00940	Chloride (mg/L)	ConchoRiver	18712-SURFACE-12429-SURFACE	-322.4974	-548.4871	-96.5078	<0.0001
00940	Chloride (mg/L)	ConchoRiver	18711-SURFACE-12512-SURFACE	-242.3974	-466.9714	-17.8233	0.0175
00940	Chloride (mg/L)	ConchoRiver	18712-SURFACE-12512-SURFACE	-238.9638	-460.7822	-17.1454	0.018
00940	Chloride (mg/L)	ConchoRiver	16780-SURFACE-15886-SURFACE	-259.7133	-477.7094	-41.7172	0.0032
00940	Chloride (mg/L)	ConchoRiver	17346-SURFACE-15886-SURFACE	-228.2171	-404.7451	-51.6890	6e-04
00940	Chloride (mg/L)	ConchoRiver	18711-SURFACE-15886-SURFACE	-305.5604	-485.5389	-125.5819	<0.0001
00940	Chloride (mg/L)	ConchoRiver	18712-SURFACE-15886-SURFACE	-302.1268	-478.6549	-125.5988	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12165-SURFACE-12161-SURFACE	-97.9006	-165.0978	-30.7033	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12166-SURFACE-12161-SURFACE	-104.5538	-161.6245	-47.4832	<0.0001

00945	Sulfate (mg/L)	ConchoRiver	12254-SURFACE-12161-SURFACE	327.2949	257.9828	396.6069	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12257-SURFACE-12161-SURFACE	135.9175	75.2765	196.5584	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12401-SURFACE-12161-SURFACE	199.0949	143.0526	255.1371	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12402-SURFACE-12161-SURFACE	202.8529	142.2120	263.4939	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12403-SURFACE-12161-SURFACE	110.2266	53.8562	166.5970	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12418-SURFACE-12161-SURFACE	-71.7513	-135.5582	-7.9444	0.0091
00945	Sulfate (mg/L)	ConchoRiver	12419-SURFACE-12161-SURFACE	-69.1829	-132.2769	-6.0889	0.0137
00945	Sulfate (mg/L)	ConchoRiver	12421-SURFACE-12161-SURFACE	-71.1244	-134.9313	-7.3174	0.0105
00945	Sulfate (mg/L)	ConchoRiver	12422-SURFACE-12161-SURFACE	-101.3731	-165.9412	-36.8051	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12425-SURFACE-12161-SURFACE	-91.0269	-157.2836	-24.7702	1e-04
00945	Sulfate (mg/L)	ConchoRiver	12427-SURFACE-12161-SURFACE	-121.5588	-177.9292	-65.1884	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12429-SURFACE-12161-SURFACE	-104.9718	-176.7841	-33.1595	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12512-SURFACE-12161-SURFACE	106.5422	36.0348	177.0497	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16780-SURFACE-12161-SURFACE	-93.0501	-162.3622	-23.7381	2e-04
00945	Sulfate (mg/L)	ConchoRiver	17346-SURFACE-12161-SURFACE	-64.3807	-120.7511	-8.0104	0.007
00945	Sulfate (mg/L)	ConchoRiver	17350-SURFACE-12161-SURFACE	-96.4934	-155.6250	-37.3617	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18711-SURFACE-12161-SURFACE	-120.7078	-178.5446	-62.8711	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18712-SURFACE-12161-SURFACE	-122.7003	-179.0706	-66.3299	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12171-SURFACE-12165-SURFACE	141.1247	74.5212	207.7282	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12254-SURFACE-12165-SURFACE	425.1955	347.3329	503.0580	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12255-SURFACE-12165-SURFACE	130.1205	47.3166	212.9243	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12257-SURFACE-12165-SURFACE	233.8180	163.5633	304.0728	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12401-SURFACE-12165-SURFACE	296.9955	230.6694	363.3215	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12402-SURFACE-12165-SURFACE	300.7535	230.4987	371.0083	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12403-SURFACE-12165-SURFACE	208.1272	141.5236	274.7307	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12407-SURFACE-12165-SURFACE	121.0267	51.2291	190.8243	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12409-SURFACE-12165-SURFACE	83.6121	17.2861	149.9382	0.001
00945	Sulfate (mg/L)	ConchoRiver	12512-SURFACE-12165-SURFACE	204.4428	125.5143	283.3713	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	15886-SURFACE-12165-SURFACE	110.8881	44.2846	177.4917	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16779-SURFACE-12165-SURFACE	79.5563	4.4008	154.7119	0.0233
00945	Sulfate (mg/L)	ConchoRiver	12171-SURFACE-12166-SURFACE	147.7780	91.4076	204.1484	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12254-SURFACE-12166-SURFACE	431.8487	362.5366	501.1608	<0.0001

00945	Sulfate (mg/L)	ConchoRiver	12255-SURFACE-12166-SURFACE	136.7737	61.9535	211.5940	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12257-SURFACE-12166-SURFACE	240.4713	179.8303	301.1123	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12401-SURFACE-12166-SURFACE	303.6487	247.6064	359.6910	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12402-SURFACE-12166-SURFACE	307.4068	246.7658	368.0477	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12403-SURFACE-12166-SURFACE	214.7804	158.4101	271.1508	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12407-SURFACE-12166-SURFACE	127.6800	67.5692	187.7907	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12409-SURFACE-12166-SURFACE	90.2654	34.2231	146.3077	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12416-SURFACE-12166-SURFACE	60.6344	4.5922	116.6767	0.0169
00945	Sulfate (mg/L)	ConchoRiver	12512-SURFACE-12166-SURFACE	211.0961	140.5886	281.6035	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	15886-SURFACE-12166-SURFACE	117.5414	61.1710	173.9118	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16779-SURFACE-12166-SURFACE	86.2096	19.9529	152.4663	5e-04
00945	Sulfate (mg/L)	ConchoRiver	12254-SURFACE-12171-SURFACE	284.0707	215.3341	352.8073	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12257-SURFACE-12171-SURFACE	92.6933	32.7109	152.6757	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12401-SURFACE-12171-SURFACE	155.8707	100.5418	211.1997	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12402-SURFACE-12171-SURFACE	159.6288	99.6464	219.6112	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12403-SURFACE-12171-SURFACE	67.0024	11.3412	122.6637	0.0027
00945	Sulfate (mg/L)	ConchoRiver	12409-SURFACE-12171-SURFACE	-57.5126	-112.8416	-2.1836	0.0301
00945	Sulfate (mg/L)	ConchoRiver	12416-SURFACE-12171-SURFACE	-87.1436	-142.4725	-31.8146	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12418-SURFACE-12171-SURFACE	-114.9754	-178.1568	-51.7941	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12419-SURFACE-12171-SURFACE	-112.4070	-174.8683	-49.9458	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12421-SURFACE-12171-SURFACE	-114.3485	-177.5299	-51.1671	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12422-SURFACE-12171-SURFACE	-144.5973	-208.5472	-80.6473	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12425-SURFACE-12171-SURFACE	-134.2510	-199.9055	-68.5965	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12427-SURFACE-12171-SURFACE	-164.7829	-220.4442	-109.1216	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12429-SURFACE-12171-SURFACE	-148.1959	-219.4530	-76.9389	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16780-SURFACE-12171-SURFACE	-136.2743	-205.0109	-67.5377	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17346-SURFACE-12171-SURFACE	-107.6049	-163.2662	-51.9436	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17350-SURFACE-12171-SURFACE	-139.7175	-198.1735	-81.2615	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18711-SURFACE-12171-SURFACE	-163.9320	-221.0778	-106.7861	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18712-SURFACE-12171-SURFACE	-165.9244	-221.5857	-110.2631	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12255-SURFACE-12254-SURFACE	-295.0750	-379.6041	-210.5459	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12257-SURFACE-12254-SURFACE	-191.3774	-263.6576	-119.0972	<0.0001

00945	Sulfate (mg/L)	ConchoRiver	12401-SURFACE-12254-SURFACE	-128.2000	-196.6678	-59.7322	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12402-SURFACE-12254-SURFACE	-124.4419	-196.7221	-52.1617	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12403-SURFACE-12254-SURFACE	-217.0683	-285.8049	-148.3317	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12407-SURFACE-12254-SURFACE	-304.1687	-376.0047	-232.3328	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12409-SURFACE-12254-SURFACE	-341.5833	-410.0511	-273.1155	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12416-SURFACE-12254-SURFACE	-371.2143	-439.6821	-302.7465	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12418-SURFACE-12254-SURFACE	-399.0462	-474.0023	-324.0900	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12419-SURFACE-12254-SURFACE	-396.4778	-470.8280	-322.1276	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12421-SURFACE-12254-SURFACE	-398.4192	-473.3754	-323.4631	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12422-SURFACE-12254-SURFACE	-428.6680	-504.2732	-353.0628	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12425-SURFACE-12254-SURFACE	-418.3217	-495.3740	-341.2695	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12427-SURFACE-12254-SURFACE	-448.8537	-517.5903	-380.1170	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12429-SURFACE-12254-SURFACE	-432.2667	-514.1453	-350.3880	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12512-SURFACE-12254-SURFACE	-220.7526	-301.4893	-140.0160	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	15886-SURFACE-12254-SURFACE	-314.3073	-383.0439	-245.5707	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16779-SURFACE-12254-SURFACE	-345.6391	-422.6914	-268.5869	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16780-SURFACE-12254-SURFACE	-420.3450	-500.0398	-340.6502	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17346-SURFACE-12254-SURFACE	-391.6756	-460.4122	-322.9390	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17350-SURFACE-12254-SURFACE	-423.7882	-494.8069	-352.7696	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18711-SURFACE-12254-SURFACE	-448.0027	-517.9469	-378.0585	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18712-SURFACE-12254-SURFACE	-449.9951	-518.7317	-381.2585	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12257-SURFACE-12255-SURFACE	103.6976	26.1196	181.2755	3e-04
00945	Sulfate (mg/L)	ConchoRiver	12401-SURFACE-12255-SURFACE	166.8750	92.8362	240.9138	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12402-SURFACE-12255-SURFACE	170.6331	93.0551	248.2110	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12403-SURFACE-12255-SURFACE	78.0067	3.7192	152.2942	0.0262
00945	Sulfate (mg/L)	ConchoRiver	12416-SURFACE-12255-SURFACE	-76.1393	-150.1781	-2.1005	0.0349
00945	Sulfate (mg/L)	ConchoRiver	12418-SURFACE-12255-SURFACE	-103.9712	-184.0482	-23.8941	5e-04
00945	Sulfate (mg/L)	ConchoRiver	12419-SURFACE-12255-SURFACE	-101.4028	-180.9129	-21.8926	8e-04
00945	Sulfate (mg/L)	ConchoRiver	12421-SURFACE-12255-SURFACE	-103.3442	-183.4213	-23.2672	6e-04
00945	Sulfate (mg/L)	ConchoRiver	12422-SURFACE-12255-SURFACE	-133.5930	-214.2779	-52.9081	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12425-SURFACE-12255-SURFACE	-123.2467	-205.2892	-41.2043	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12427-SURFACE-12255-SURFACE	-153.7787	-228.0661	-79.4912	<0.0001

00945	Sulfate (mg/L)	ConchoRiver	12429-SURFACE-12255-SURFACE	-137.1917	-223.7828	-50.6005	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16780-SURFACE-12255-SURFACE	-125.2700	-209.7991	-40.7409	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17346-SURFACE-12255-SURFACE	-96.6006	-170.8881	-22.3131	5e-04
00945	Sulfate (mg/L)	ConchoRiver	17350-SURFACE-12255-SURFACE	-128.7132	-205.1172	-52.3093	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18711-SURFACE-12255-SURFACE	-152.9277	-228.3339	-77.5215	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18712-SURFACE-12255-SURFACE	-154.9201	-229.2076	-80.6326	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12401-SURFACE-12257-SURFACE	63.1774	3.5033	122.8515	0.0233
00945	Sulfate (mg/L)	ConchoRiver	12402-SURFACE-12257-SURFACE	66.9355	2.9231	130.9479	0.0278
00945	Sulfate (mg/L)	ConchoRiver	12407-SURFACE-12257-SURFACE	-112.7913	-176.3017	-49.2810	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12409-SURFACE-12257-SURFACE	-150.2059	-209.8800	-90.5318	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12416-SURFACE-12257-SURFACE	-179.8369	-239.5110	-120.1627	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12418-SURFACE-12257-SURFACE	-207.6687	-274.6881	-140.6494	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12419-SURFACE-12257-SURFACE	-205.1004	-271.4413	-138.7594	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12421-SURFACE-12257-SURFACE	-207.0418	-274.0611	-140.0225	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12422-SURFACE-12257-SURFACE	-237.2906	-305.0350	-169.5462	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12425-SURFACE-12257-SURFACE	-226.9443	-296.3000	-157.5886	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12427-SURFACE-12257-SURFACE	-257.4762	-317.4586	-197.4939	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12429-SURFACE-12257-SURFACE	-240.8892	-315.5704	-166.2081	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	15886-SURFACE-12257-SURFACE	-122.9299	-182.9123	-62.9475	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16779-SURFACE-12257-SURFACE	-154.2617	-223.6174	-84.9060	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16780-SURFACE-12257-SURFACE	-228.9676	-301.2478	-156.6874	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17346-SURFACE-12257-SURFACE	-200.2982	-260.2806	-140.3158	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17350-SURFACE-12257-SURFACE	-232.4108	-294.9953	-169.8264	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18711-SURFACE-12257-SURFACE	-256.6253	-317.9878	-195.2628	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18712-SURFACE-12257-SURFACE	-258.6177	-318.6001	-198.6353	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12403-SURFACE-12401-SURFACE	-88.8683	-144.1973	-33.5393	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12407-SURFACE-12401-SURFACE	-175.9687	-235.1040	-116.8335	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12409-SURFACE-12401-SURFACE	-213.3833	-268.3780	-158.3887	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12416-SURFACE-12401-SURFACE	-243.0143	-298.0089	-188.0196	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12418-SURFACE-12401-SURFACE	-270.8462	-333.7350	-207.9574	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12419-SURFACE-12401-SURFACE	-268.2778	-330.4431	-206.1125	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12421-SURFACE-12401-SURFACE	-270.2192	-333.1080	-207.3304	<0.0001

00945	Sulfate (mg/L)	ConchoRiver	12422-SURFACE-12401-SURFACE	-300.4680	-364.1289	-236.8071	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12425-SURFACE-12401-SURFACE	-290.1217	-355.4947	-224.7488	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12427-SURFACE-12401-SURFACE	-320.6537	-375.9826	-265.3247	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12429-SURFACE-12401-SURFACE	-304.0667	-375.0645	-233.0689	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12512-SURFACE-12401-SURFACE	-92.5526	-162.2303	-22.8750	3e-04
00945	Sulfate (mg/L)	ConchoRiver	15886-SURFACE-12401-SURFACE	-186.1073	-241.4363	-130.7783	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16779-SURFACE-12401-SURFACE	-217.4391	-282.8121	-152.0662	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16780-SURFACE-12401-SURFACE	-292.1450	-360.6128	-223.6772	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17346-SURFACE-12401-SURFACE	-263.4756	-318.8046	-208.1466	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17350-SURFACE-12401-SURFACE	-295.5882	-353.7279	-237.4485	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18711-SURFACE-12401-SURFACE	-319.8027	-376.6249	-262.9805	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18712-SURFACE-12401-SURFACE	-321.7951	-377.1241	-266.4661	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12403-SURFACE-12402-SURFACE	-92.6264	-152.6087	-32.6440	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12407-SURFACE-12402-SURFACE	-179.7268	-243.2372	-116.2165	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12409-SURFACE-12402-SURFACE	-217.1414	-276.8155	-157.4673	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12416-SURFACE-12402-SURFACE	-246.7724	-306.4465	-187.0982	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12418-SURFACE-12402-SURFACE	-274.6042	-341.6235	-207.5849	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12419-SURFACE-12402-SURFACE	-272.0358	-338.3768	-205.6949	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12421-SURFACE-12402-SURFACE	-273.9773	-340.9966	-206.9580	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12422-SURFACE-12402-SURFACE	-304.2261	-371.9705	-236.4817	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12425-SURFACE-12402-SURFACE	-293.8798	-363.2355	-224.5241	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12427-SURFACE-12402-SURFACE	-324.4117	-384.3941	-264.4294	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12429-SURFACE-12402-SURFACE	-307.8247	-382.5059	-233.1436	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12512-SURFACE-12402-SURFACE	-96.3107	-169.7380	-22.8834	4e-04
00945	Sulfate (mg/L)	ConchoRiver	15886-SURFACE-12402-SURFACE	-189.8654	-249.8478	-129.8830	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16779-SURFACE-12402-SURFACE	-221.1972	-290.5529	-151.8415	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16780-SURFACE-12402-SURFACE	-295.9031	-368.1833	-223.6229	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17346-SURFACE-12402-SURFACE	-267.2337	-327.2160	-207.2513	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17350-SURFACE-12402-SURFACE	-299.3463	-361.9308	-236.7618	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18711-SURFACE-12402-SURFACE	-323.5608	-384.9232	-262.1983	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18712-SURFACE-12402-SURFACE	-325.5532	-385.5356	-265.5708	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12407-SURFACE-12403-SURFACE	-87.1005	-146.5467	-27.6542	<0.0001

00945	Sulfate (mg/L)	ConchoRiver	12409-SURFACE-12403-SURFACE	-124.5150	-179.8440	-69.1861	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12416-SURFACE-12403-SURFACE	-154.1460	-209.4750	-98.8170	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12418-SURFACE-12403-SURFACE	-181.9779	-245.1592	-118.7965	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12419-SURFACE-12403-SURFACE	-179.4095	-241.8708	-116.9482	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12421-SURFACE-12403-SURFACE	-181.3509	-244.5323	-118.1696	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12422-SURFACE-12403-SURFACE	-211.5997	-275.5497	-147.6498	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12425-SURFACE-12403-SURFACE	-201.2534	-266.9079	-135.5990	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12427-SURFACE-12403-SURFACE	-231.7854	-287.4467	-176.1241	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12429-SURFACE-12403-SURFACE	-215.1984	-286.4554	-143.9413	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	15886-SURFACE-12403-SURFACE	-97.2390	-152.9003	-41.5777	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16779-SURFACE-12403-SURFACE	-128.5708	-194.2253	-62.9164	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16780-SURFACE-12403-SURFACE	-203.2767	-272.0133	-134.5401	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17346-SURFACE-12403-SURFACE	-174.6073	-230.2686	-118.9460	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17350-SURFACE-12403-SURFACE	-206.7199	-265.1760	-148.2639	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18711-SURFACE-12403-SURFACE	-230.9344	-288.0803	-173.7886	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18712-SURFACE-12403-SURFACE	-232.9268	-288.5881	-177.2655	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12416-SURFACE-12407-SURFACE	-67.0455	-126.1808	-7.9103	0.0079
00945	Sulfate (mg/L)	ConchoRiver	12418-SURFACE-12407-SURFACE	-94.8774	-161.4174	-28.3375	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12419-SURFACE-12407-SURFACE	-92.3090	-158.1656	-26.4524	1e-04
00945	Sulfate (mg/L)	ConchoRiver	12421-SURFACE-12407-SURFACE	-94.2505	-160.7904	-27.7105	1e-04
00945	Sulfate (mg/L)	ConchoRiver	12422-SURFACE-12407-SURFACE	-124.4993	-191.7694	-57.2291	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12425-SURFACE-12407-SURFACE	-114.1530	-183.0456	-45.2604	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12427-SURFACE-12407-SURFACE	-144.6849	-204.1312	-85.2386	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12429-SURFACE-12407-SURFACE	-128.0979	-202.3492	-53.8466	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12512-SURFACE-12407-SURFACE	83.4161	10.4261	156.4061	0.0069
00945	Sulfate (mg/L)	ConchoRiver	16780-SURFACE-12407-SURFACE	-116.1763	-188.0122	-44.3403	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17346-SURFACE-12407-SURFACE	-87.5069	-146.9531	-28.0606	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17350-SURFACE-12407-SURFACE	-119.6195	-181.6903	-57.5486	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18711-SURFACE-12407-SURFACE	-143.8340	-204.6725	-82.9954	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18712-SURFACE-12407-SURFACE	-145.8264	-205.2726	-86.3801	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12422-SURFACE-12409-SURFACE	-87.0847	-150.7456	-23.4237	1e-04
00945	Sulfate (mg/L)	ConchoRiver	12425-SURFACE-12409-SURFACE	-76.7384	-142.1114	-11.3654	0.0043

00945	Sulfate (mg/L)	ConchoRiver	12427-SURFACE-12409-SURFACE	-107.2703	-162.5993	-51.9414	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12429-SURFACE-12409-SURFACE	-90.6833	-161.6811	-19.6855	8e-04
00945	Sulfate (mg/L)	ConchoRiver	12512-SURFACE-12409-SURFACE	120.8307	51.1530	190.5084	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16780-SURFACE-12409-SURFACE	-78.7617	-147.2295	-10.2939	0.0062
00945	Sulfate (mg/L)	ConchoRiver	17350-SURFACE-12409-SURFACE	-82.2049	-140.3446	-24.0652	1e-04
00945	Sulfate (mg/L)	ConchoRiver	18711-SURFACE-12409-SURFACE	-106.4194	-163.2416	-49.5972	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18712-SURFACE-12409-SURFACE	-108.4118	-163.7408	-53.0828	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12427-SURFACE-12416-SURFACE	-77.6394	-132.9683	-22.3104	1e-04
00945	Sulfate (mg/L)	ConchoRiver	12512-SURFACE-12416-SURFACE	150.4617	80.7840	220.1393	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	15886-SURFACE-12416-SURFACE	56.9070	1.5780	112.2359	0.0348
00945	Sulfate (mg/L)	ConchoRiver	18711-SURFACE-12416-SURFACE	-76.7884	-133.6106	-19.9662	2e-04
00945	Sulfate (mg/L)	ConchoRiver	18712-SURFACE-12416-SURFACE	-78.7808	-134.1098	-23.4519	1e-04
00945	Sulfate (mg/L)	ConchoRiver	12512-SURFACE-12418-SURFACE	178.2935	102.2306	254.3564	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	15886-SURFACE-12418-SURFACE	84.7388	21.5575	147.9202	2e-04
00945	Sulfate (mg/L)	ConchoRiver	12512-SURFACE-12419-SURFACE	175.7251	100.2593	251.1910	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	15886-SURFACE-12419-SURFACE	82.1705	19.7092	144.6317	4e-04
00945	Sulfate (mg/L)	ConchoRiver	12512-SURFACE-12421-SURFACE	177.6666	101.6037	253.7295	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	15886-SURFACE-12421-SURFACE	84.1119	20.9306	147.2933	3e-04
00945	Sulfate (mg/L)	ConchoRiver	12512-SURFACE-12422-SURFACE	207.9154	131.2128	284.6179	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	15886-SURFACE-12422-SURFACE	114.3607	50.4107	178.3106	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16779-SURFACE-12422-SURFACE	83.0289	10.2145	155.8432	0.0072
00945	Sulfate (mg/L)	ConchoRiver	12512-SURFACE-12425-SURFACE	197.5691	119.4398	275.6984	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	15886-SURFACE-12425-SURFACE	104.0144	38.3600	169.6689	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	12512-SURFACE-12427-SURFACE	228.1010	158.1592	298.0429	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	15886-SURFACE-12427-SURFACE	134.5463	78.8851	190.2076	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16779-SURFACE-12427-SURFACE	103.2145	37.5601	168.8690	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17346-SURFACE-12427-SURFACE	57.1780	1.5168	112.8393	0.0354
00945	Sulfate (mg/L)	ConchoRiver	12512-SURFACE-12429-SURFACE	211.5140	128.6210	294.4071	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	15886-SURFACE-12429-SURFACE	117.9593	46.7023	189.2164	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16779-SURFACE-12429-SURFACE	86.6275	7.3186	165.9364	0.0146
00945	Sulfate (mg/L)	ConchoRiver	15886-SURFACE-12512-SURFACE	-93.5547	-163.4965	-23.6128	3e-04
00945	Sulfate (mg/L)	ConchoRiver	16779-SURFACE-12512-SURFACE	-124.8865	-203.0158	-46.7572	<0.0001

00945	Sulfate (mg/L)	ConchoRiver	16780-SURFACE-12512-SURFACE	-199.5924	-280.3290	-118.8557	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17346-SURFACE-12512-SURFACE	-170.9230	-240.8648	-100.9811	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17350-SURFACE-12512-SURFACE	-203.0356	-275.2214	-130.8498	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18711-SURFACE-12512-SURFACE	-227.2501	-298.3790	-156.1211	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18712-SURFACE-12512-SURFACE	-229.2425	-299.1843	-159.3007	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	16780-SURFACE-15886-SURFACE	-106.0377	-174.7743	-37.3011	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17346-SURFACE-15886-SURFACE	-77.3683	-133.0296	-21.7070	1e-04
00945	Sulfate (mg/L)	ConchoRiver	17350-SURFACE-15886-SURFACE	-109.4809	-167.9370	-51.0249	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18711-SURFACE-15886-SURFACE	-133.6954	-190.8412	-76.5495	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18712-SURFACE-15886-SURFACE	-135.6878	-191.3491	-80.0265	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	17350-SURFACE-16779-SURFACE	-78.1491	-146.1891	-10.1091	0.0063
00945	Sulfate (mg/L)	ConchoRiver	18711-SURFACE-16779-SURFACE	-102.3636	-169.2813	-35.4459	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18712-SURFACE-16779-SURFACE	-104.3560	-170.0105	-38.7015	<0.0001
00945	Sulfate (mg/L)	ConchoRiver	18712-SURFACE-17346-SURFACE	-58.3195	-113.9808	-2.6582	0.027
31699	E. coli (MPN/100mL)	ConchoRiver	15886-SURFACE-12166-SURFACE	195.1397	26.0332	364.2462	0.007
31699	E. coli (MPN/100mL)	ConchoRiver	16779-SURFACE-12166-SURFACE	243.7517	47.7552	439.7482	0.0019
31699	E. coli (MPN/100mL)	ConchoRiver	15886-SURFACE-12171-SURFACE	218.9673	52.0158	385.9188	6e-04
31699	E. coli (MPN/100mL)	ConchoRiver	16779-SURFACE-12171-SURFACE	267.5793	73.4392	461.7195	2e-04
31699	E. coli (MPN/100mL)	ConchoRiver	16779-SURFACE-12401-SURFACE	205.5663	13.1210	398.0115	0.022
31699	E. coli (MPN/100mL)	ConchoRiver	15886-SURFACE-12407-SURFACE	204.2407	25.7256	382.7558	0.0081
31699	E. coli (MPN/100mL)	ConchoRiver	16779-SURFACE-12407-SURFACE	252.8527	48.6831	457.0224	0.002
31699	E. coli (MPN/100mL)	ConchoRiver	16779-SURFACE-12409-SURFACE	207.7043	13.5642	401.8445	0.0216
31699	E. coli (MPN/100mL)	ConchoRiver	15886-SURFACE-12416-SURFACE	216.9923	50.0408	383.9438	8e-04
31699	E. coli (MPN/100mL)	ConchoRiver	16779-SURFACE-12416-SURFACE	265.6043	71.4642	459.7445	3e-04
31699	E. coli (MPN/100mL)	ConchoRiver	15886-SURFACE-12418-SURFACE	203.7692	15.9341	391.6043	0.0178
31699	E. coli (MPN/100mL)	ConchoRiver	16779-SURFACE-12418-SURFACE	252.3813	40.0145	464.7480	0.0043
31699	E. coli (MPN/100mL)	ConchoRiver	15886-SURFACE-12419-SURFACE	242.8077	54.9726	430.6428	9e-04
31699	E. coli (MPN/100mL)	ConchoRiver	16779-SURFACE-12419-SURFACE	291.4197	79.0530	503.7865	2e-04
31699	E. coli (MPN/100mL)	ConchoRiver	15886-SURFACE-12421-SURFACE	243.7756	51.3019	436.2494	0.0013
31699	E. coli (MPN/100mL)	ConchoRiver	16779-SURFACE-12421-SURFACE	292.3877	75.9073	508.8680	3e-04
31699	E. coli (MPN/100mL)	ConchoRiver	15886-SURFACE-12425-SURFACE	248.3590	36.9575	459.7604	0.0052
31699	E. coli (MPN/100mL)	ConchoRiver	16779-SURFACE-12425-SURFACE	296.9710	63.5012	530.4409	0.0012

31699	E. coli (MPN/100mL)	ConchoRiver	15886-SURFACE-12427-SURFACE	176.2058	5.9458	346.4659	0.0332
31699	E. coli (MPN/100mL)	ConchoRiver	16779-SURFACE-12427-SURFACE	224.8179	27.8253	421.8105	0.0084
31699	E. coli (MPN/100mL)	ConchoRiver	15886-SURFACE-12429-SURFACE	230.5256	19.1242	441.9271	0.0166
31699	E. coli (MPN/100mL)	ConchoRiver	16779-SURFACE-12429-SURFACE	279.1377	45.6678	512.6075	0.0039
31699	E. coli (MPN/100mL)	ConchoRiver	15886-SURFACE-12512-SURFACE	251.1041	35.4904	466.7178	0.0061
31699	E. coli (MPN/100mL)	ConchoRiver	16779-SURFACE-12512-SURFACE	299.7161	62.4254	537.0068	0.0014
31699	E. coli (MPN/100mL)	ConchoRiver	17346-SURFACE-15886-SURFACE	-220.5923	-387.5438	-53.6408	6e-04
31699	E. coli (MPN/100mL)	ConchoRiver	17350-SURFACE-15886-SURFACE	-195.1469	-370.6222	-19.6715	0.0125
31699	E. coli (MPN/100mL)	ConchoRiver	17346-SURFACE-16779-SURFACE	-269.2043	-463.3445	-75.0642	2e-04
31699	E. coli (MPN/100mL)	ConchoRiver	17350-SURFACE-16779-SURFACE	-243.7589	-445.2761	-42.2417	0.0032
70953	Chlorophyll-a (µg/L)	ConchoRiver	12401-SURFACE-12161-SURFACE	27.5317	6.5269	48.5365	0.0014
70953	Chlorophyll-a (µg/L)	ConchoRiver	12409-SURFACE-12161-SURFACE	23.1333	2.2612	44.0053	0.0164
70953	Chlorophyll-a (µg/L)	ConchoRiver	12401-SURFACE-12171-SURFACE	21.3634	0.5155	42.2113	0.0393
70953	Chlorophyll-a (µg/L)	ConchoRiver	12422-SURFACE-12401-SURFACE	-26.8085	-49.9818	-3.6351	0.0095