File: RealBr.XLS

Predicted Bromide Concentrations based on actual data for the period 1990 - 1996 and model predictions from December 1, 1997 runs.

Periods of record used: Banks - 1/24/90 to 8/15/96 DMC - 1/24/90 - 8/15/96

Clifton Ct. - 1/24/90 - 10/20/94 Rock Slough - 1/24/90 - 10/20/94

			Intercept	X Variable	EC	Br (ug/L)
Clifton Ct.	No Action	Lower 95% C.L.	-0.19098	0.000818107	523	237
Clifton Ct.	No Action	Average	-0.16463	0.000866484	523	289
Clifton Ct.	No Action	Upper 95% C.L.	-0.13828	0.00091486	523	340
Clifton Ct.	Alt 1	Lower 95% C.L.	-0.19098	0.000818107	555	263
Clifton Ct.	Alt 1	Average	-0.16463	0.000866484	555	316
Clifton Ct.	Alt 1	Upper 95% C.L.	-0.13828	0.00091486	555	369
Clifton Ct.	Alt 2	Lower 95% C.L.	-0.19098	0.000818107	420	153
Clifton Ct.	Alt 2	Average	-0.16463	0.000866484	420	199
Clifton Ct.	Alt 2	Upper 95% C.L.	-0.13828	0.00091486	420	246
Clifton Ct.	Alt 3	Lower 95% C.L.	-0.19098	0.000818107	235	1
Clifton Ct.	Alt 3	Average	-0.16463	0.000866484	235	39
Clifton Ct.	Alt 3	Upper 95% C.L.	-0.13828	0.00091486	235	77

Banks	**R Square**	**0.853429893**				
	Coefficients	*Standard Error*	*t Stat*	*P-value*	*ower 95*	*Upper 95%*
Intercept	-0.16462957	0.013340655	-12.3404	9.19789E-25	-0.19098	-0.13828
X Variable 1	0.000866484	2.44884E-05	35.38337	7.53276E-76	0.000818	0.000915

Note: Real data used were from H.O. Banks Pumping Plant Headworks instead of Clifton Court because of more complete database on EC,TDS, and Br.

DMC

			Intercept	X Variable	EC	Br (ug/L)
DMC	No Action	Lower 95% C.L.	-0.09366	0.000567602	563	226
DMC	No Action	Average	-0.06582	0.000612856	563	279
DMC	No Action	Upper 95% C.L.	-0.03799	0.00065811	563	333
DMC	Alt 1	Lower 95% C.L.	-0.09366	0.000567602	555	221
DMC	Alt 1	Average	-0.06582	0.000612856	555	274
DMC	Alt 1	Upper 95% C.L.	-0.03799	0.00065811	555	327
DMC	Alt 2	Lower 95% C.L.	-0.09366	0.000567602	420	145
DMC	Alt 2	Average	-0.06582	0.000612856	420	192
DMC	Alt 2	Upper 95% C.L.	-0.03799	0.00065811	420	238
DMC	Alt 3	Lower 95% C.L.	-0.09366	0.000567602	235	40
DMC	Alt 3	Average	-0.06582	0.000612856	235	78
DMC	Alt 3	Upper 95% C.L.	-0.03799	0.00065811	235	117

DMC	**R Square**	**0.824863682**				
	Coefficients	*Standard Error*	*t Stat*	*P-value*	*ower 95*	*Upper 95%*
Intercept	-0.06582406	0.014088118	-4.67231	6.50968E-06	-0.09366	-0.03799
X Variable 1	0.000612856	2.29052E-05	26.75622	2.22899E-59	0.000568	0.000658

Rock Slough

			Intercept	X Variable	EC	[redacted]
Rock Sl.	No Action	Lower 95% C.L.	-0.21208	0.000943103	576	[redacted]
Rock Sl.	No Action	Average	-0.19056	0.000981347	576	[redacted]
Rock Sl.	No Action	Upper 95% C.L.	-0.16903	0.001019591	576	[redacted]
Rock Sl.	Alt 1	Lower 95% C.L.	-0.21208	0.000943103	600	[redacted]

Rock Sl.	Alt 1	Average	-0.19056	0.000981347	600	[redacted]
Rock Sl.	Alt 1	Upper 95% C.L.	-0.16903	0.001019591	600	[redacted]
Rock Sl.	Alt 2	Lower 95% C.L.	-0.21208	0.000943103	372	[redacted]
Rock Sl.	Alt 2	Average	-0.19056	0.000981347	372	[redacted]
Rock Sl.	Alt 2	Upper 95% C.L.	-0.16903	0.001019591	372	[redacted]
Rock Sl.	Alt 3	Lower 95% C.L.	-0.21208	0.000943103	603	[redacted]
Rock Sl.	Alt 3	Average	-0.19056	0.000981347	603	[redacted]
Rock Sl.	Alt 3	Upper 95% C.L.	-0.16903	0.001019591	603	[redacted]

Rock Slough

	R Square	**0.971724784**				
	Coefficients	*Standard Error*	*t Stat*	*P-value*	*ower 95*	*Upper 95%*
Intercept	-0.19055547	0.010807641	-17.6316	1.41131E-28	-0.21208	-0.16903
X Variable 1	0.000981347	1.9202E-05	51.10642	1.31703E-60	0.000943	0.00102

Greenes Landing

			Intercept	X Variable	EC	Br (ug/L)
Greenes	No Action	Lower 95% C.L.	-0.10735	0.000264072	151	0
Greenes	No Action	Average	-0.06114	0.000540157	151	20
Greenes	No Action	Upper 95% C.L.	-0.01494	0.000816242	151	108
Greenes	Alt 1	Lower 95% C.L.	-0.10735	0.000264072	151	0
Greenes	Alt 1	Average	-0.06114	0.000540157	151	20
Greenes	Alt 1	Upper 95% C.L.	-0.01494	0.000816242	151	108
Greenes	Alt 2	Lower 95% C.L.	-0.10735	0.000264072	152	0
Greenes	Alt 2	Average	-0.06114	0.000540157	152	21
Greenes	Alt 2	Upper 95% C.L.	-0.01494	0.000816242	152	109
Greenes	Alt 3	Lower 95% C.L.	-0.10735	0.000264072	152	0
Greenes	Alt 3	Average	-0.06114	0.000540157	152	21
Greenes	Alt 3	Upper 95% C.L.	-0.01494	0.000816242	152	109

Greenes	**R Square**	**0.07851093**	**Note: No significant correlation**			
	Coefficients	*Standard Error*	*t Stat*	*P-value*	*ower 95*	*Upper 95%*
Intercept	-0.06114237	0.023412188	-2.61156	0.009795691	-0.10735	-0.01494
X Variable 1	0.000540157	0.000139888	3.861348	0.000158519	0.000264	0.000816

Mix of DMC and Clifton Court

Bromide

		DMC	Clifton	[redacted]
Lower 95% C.L.	No Action	226	237	[redacted]
Average	No Action	279	289	[redacted]
Upper 95% C.L.	No Action	333	340	[redacted]
Lower 95% C.L.	Alt 1	221	263	[redacted]
Average	Alt 1	274	316	[redacted]
Upper 95% C.L.	Alt 1	327	369	[redacted]
Lower 95% C.L.	Alt 2	145	153	[redacted]
Average	Alt 2	192	199	[redacted]
Upper 95% C.L.	Alt 2	238	246	[redacted]
Lower 95% C.L.	Alt 3	40	1	[redacted]
Average	Alt 3	78	39	[redacted]
Upper 95% C.L.	Alt 3	117	77	[redacted]