

# MEMORANDUM

Sampling Dates: January to September 2010

To: **Bear Creek Watershed Association**

From: Russell N. Clayshulte, Manager

Re: **2010 Bear Creek Reservoir Chemistry Summary**



Site	Parameter (ug/l)	25-Jan	22-Feb	29-Mar	26-Apr	24-May	29-Jun	13-Jul	26-Jul	9-Aug	23-Aug	7-Sep
Bear Creek Inflow, Site 15a	Nitrate/Nitrite as N, dissolved	1,453	1467	1084	554	555	303	599	484	435	499	1030
	Phosphorus, total	45	41	32	39	62	38	31	44	31	24	40
	Total Dissolved Phosphorus	41	29	9	11	6	11	24	26	13	18	31
	Residue, Non-Filterable (TSS)	5.2		9.8	58.4	39	11.2	9.8	14.2	8.2	7.6	23
Turkey Creek Inflow, Site 16a	Nitrate/Nitrite as N, dissolved	695	789	784	465	466	339	457	308	215	507	906
	Phosphorus, total	11	16	46	81	22	39	17	15	11	11	7
	Total Dissolved Phosphorus	5	2	5	19	5	10	11	3	8	4	0
	Residue, Non-Filterable (TSS)	5.6	17.2	29.8	58.6	14.8	10.9	10	9.4	4.2	10.8	4.8
Bear Creek Reservoir Top, Site 40a	Chlorophyll a	2.1	14	1.8	0.9	2.5	1.2	8.3	16.2	11.2	20.2	22.8
	Nitrate/Nitrite as N, dissolved	791	1019	593	456	459	205	224	175	133	79	2
	Total Nitrogen								785	618	682	468
	Phosphorus, total	15	26	16	39	22	29	12	28	41	33	46
	Total Dissolved Phosphorus	16	12	8	15	5	15	13	11	9	11	7
	Residue, Non-Filterable (TSS)			5.4	14.2	10.8		5.1	4.4	5	8.2	12.4
Bear Creek Reservoir Bottom, Site 40c	Nitrate/Nitrite as N, dissolved	393	547	348	487	490	200	192	172	127	92	9
	Total Nitrogen								684	684	632	494
	Phosphorus, total	15	13	15	38	22	37	47	34	87	25	59
	Total Dissolved Phosphorus	8	9	6	14	5	23	29	13	56	15	10
	Residue, Non-Filterable (TSS)	13.3		4.6	17.8	12.4		4.7	5.2	4.4	5.6	25.2
Lower Bear Creek Outflow, Site 45	Nitrate/Nitrite as N, dissolved	693	973	579	464	465	211	224	172	139	74	2
	Total Nitrogen					634	636	568	662	656	680	391
	Phosphorus, total	17	28	16	39	20	32	10	31	42	32	34
	Total Dissolved Phosphorus	11	14	6	13	5	19	11	6	15	9	6
	Residue, Non-Filterable (TSS)				17.2	16		4	6.0	5.0	8	13.2

