

MEMORANDUM

Sampling Date: January 25, 2010
 To: *Bear Creek Watershed Association*
 From: Russell N. Clayshulte, Manager
 Re: 2010 Bear Creek Reservoir Summary Data



Table 1 Reservoir Profile 1/25/2010

Site	Time	SC	DO	Temp	pH		
TCIn; 16a	9:55	1.19	12.13	0.84	7.64		
BCIn; 15a	10:15	0.2413	11.4	-0.03	7.85		
LBCout; 45	10:40	0.489	11.2	3.3	7.66		
BCReservoir	40a/40c					Secchi m	T Depth m
1m	10:27	0.5223	11.23	2.79	8.02	2.7	8.75
2m		0.5516	10.36	3.26	8.03		
3m		0.622	10.01	3.41	8.02		
4m		0.6529	9.15	3.1	7.94		
5m		0.6861	8.49	3.22	7.9		
6m		0.694	7.75	4.34	7.87		
7m		0.7103	7.2	3.39	7.85		
8m		0.7153	6	3.6	7.82		

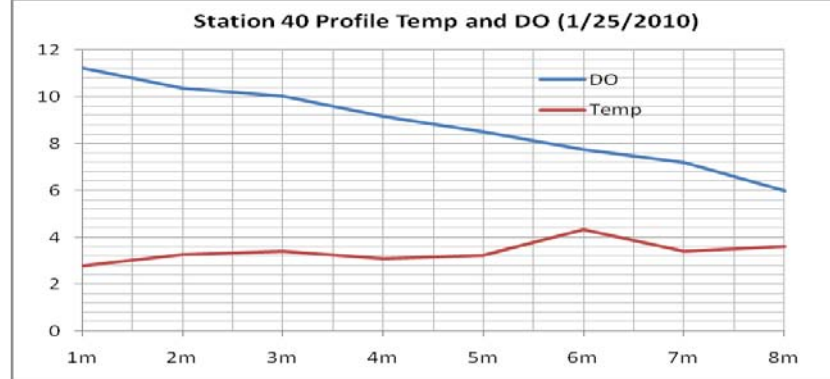


Table 2 Reservoir Profiles 1/25/2010

Site 41 (1)	Time	SC	DO	Temp	pH	Secchi m	T Depth m
1m	11:21	0.5641	11.44	2.88	7.96	3.67	7.5
2m		0.5277	11.34	2.93	7.81		
3m		0.6251	8.46	3.46	7.74		
4m		0.65	8.81	3.19	7.82		
5m		0.6729	6.84	3.99	7.69		
6m		0.6941	5.52	4.02	7.7		
7m		0.6993	3.26	4.55	7.71		
Site 42 (3)	Time	SC	DO	Temp	pH	Secchi m	T Depth m
1m	12:11	0.5065	11.36	2.9	7.79	3.25	5.3
2m		0.5813	10.77	3.41	7.79		
3m		0.6204	9.6	3.39	7.81		
4m		0.6562	8.52	3.34	7.73		
5m		0.6667	7.4	3.47	7.77		

Table 3 Coyote Gulch Field Data 1/25/10

	Time	SC	DO	Temp	pH	Flow
Upper Coyote	10:58	1.523	10.7	0	7.56	0.17 cfs
Lower Coyote	11:06	1.485	13.27	0	7.64	0.44 cfs

Table 4 Bear Creek Laboratory Monitoring Data

Site	Parameter (ug/l)	1/25/10
Bear Creek Inflow, Site 15a	Nitrate/Nitrite as N, dissolved	1,453
	Phosphorus, total	45
	Total Dissolved Phosphorus	41
	Residue, Non-Filterable (TSS)	5.2
Turkey Creek Inflow, Site 16a	Nitrate/Nitrite as N, dissolved	695
	Phosphorus, total	11
	Total Dissolved Phosphorus	5
	Residue, Non-Filterable (TSS)	5.6
Bear Creek Reservoir Top, Site 40a	Chlorophyll a	2.1
	Nitrate/Nitrite as N, dissolved	791
	Total Nitrogen	
	Phosphorus, total	15
	Total Dissolved Phosphorus	16
	Alkalinity as CaCO ₃	
	Hardness as CaCO ₃	
Bear Creek Reservoir Bottom, Site 40c	Nitrate/Nitrite as N, dissolved	393
	Total Nitrogen	
	Phosphorus, total	15
	Total Dissolved Phosphorus	8
	Residue, Non-Filterable (TSS)	13.3
Lower Bear Creek Outflow, Site 45	Nitrate/Nitrite as N, dissolved	693
	Phosphorus, total	17
	Total Dissolved Phosphorus	11
	Residue, Non-Filterable (TSS)	

Table 5 2010 Flows, cfs

SITE	25-Jan
Turkey Creek Inflow	3.2
Bear Creek Inflow	8.7
Lower Bear Creek	7.8