

CHERRY CREEK BASIN WATER QUALITY AUTHORITY
TABLE 2 - SUMMARY OF RECOMMENDED POLLUTANT REDUCTION FACILITIES
2007 BUDGET SUMMARY (1000\$)

September 8, 2006

Project No.	Project Title	Project Budget						Previous Expend. Note 11	Residual PRF Costs	Proposed 2007 Budget					Residual PRF Costs	Proposed 2008 Budget Total	Residual PRF Costs	Proposed 2009 Budget Total	Residual PRF Costs	Proposed 2010 Budget Total	Residual PRF Costs	Proposed 2011 Budget Total	Residual PRF Costs	
		Capital ¹	Land	Water	Total	O&M	Authority Portion			Design ⁶	Capital	Land	Water	Total										
CCR-1	Reservoir De-stratification (mixing) ¹⁰	\$ 862	\$ -	\$ -	\$ 862	\$ 50	100%	\$ 372	\$ 490	\$ 45	\$ 445	\$ -	\$ -	\$ 490	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCB-1	CCSP Wetlands ^{5,7}	\$ 1,928	\$ -	\$ -	\$ 1,928	\$ 19	100%	\$ 6	\$ 1,922	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,928	\$ 63	\$ 1,865	\$ 63	\$ 1,802	\$ 63	\$ 1,739	\$ 63	\$ 1,676	
CCB-5.1	Cherry Creek Sediment Pond at Arapahoe Road ⁴	\$ 4,278	\$ 50	\$ -	\$ 4,328	\$ 90	12%	\$ 70	\$ 511	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 511	\$ 175	\$ 336	\$ 336	\$ (0)	\$ -	\$ (0)	\$ -	\$ (0)	
CCB-5.2	Arapahoe/Douglas County Line Stream Stabilization (Parker) ¹⁷	\$ 700	\$ -	\$ -	\$ 700	\$ 1	25%	\$ -	\$ 175	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175	\$ -	\$ 175	\$ 175	\$ -	\$ -	\$ -	\$ -	\$ -	
CCB-5.4	Cherry Creek Stream Stabilization at Mainstreet (Parker) ¹⁷	\$ 1,300	\$ -	\$ -	\$ 1,300	\$ 1	25%	\$ -	\$ 325	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 325	\$ 325	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CCB-5.6	Cherry Creek Stream Stabilization at Lincoln Avenue (Parker) ¹⁷	\$ 1,315	\$ -	\$ -	\$ 1,315	\$ 1	20%	\$ -	\$ 263	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 263	\$ -	\$ 263	\$ -	\$ 263	\$ 30	\$ 233	\$ 233	\$ -	
CCB-5.7	Cherry Creek Stream Stabilization at Eco-Park (Arap County) ¹⁷	\$ 294	\$ -	\$ -	\$ 294	\$ 1	20%	\$ -	\$ 59	\$ -	\$ 59	\$ -	\$ -	\$ 59	\$ (0)	\$ -	\$ (0)	\$ -	\$ (0)	\$ -	\$ (0)	\$ -	\$ (0)	
CCB-5.8	Cherry Creek Stream Stabilization U/S Arapahoe Rd (Centennial)	\$ 518	\$ -	\$ -	\$ 518	\$ 1	25%	\$ -	\$ 130	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 130	\$ -	\$ 130	\$ 130	\$ (1)	\$ -	\$ (1)	\$ -	\$ (1)	
CCB-11	Advanced Water Treatment Plant ¹⁶	\$ 4,593	\$ 100	\$ 100	\$ 4,793	\$ 69	100%	\$ -	\$ 4,793	\$ 100	\$ -	\$ -	\$ -	\$ 100	\$ 4,693	\$ 125	\$ 4,568	\$ 350	\$ 4,218	\$ 2,000	\$ 2,218	\$ 2,218	\$ -	
CCB-12.1	Bowtie Phase I ⁹	\$ 616	\$ 450	\$ -	\$ 1,066	\$ 6	100%	\$ -	\$ 1,066	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,066	\$ -	\$ 1,066	\$ 50	\$ 1,016	\$ -	\$ 1,016	\$ 50	\$ 966	
CCB-13.2	Cottonwood Creek Reclamation ³	\$ 2,041	\$ -	\$ -	\$ 2,041	\$ 12	96%	\$ 783	\$ 1,211	\$ 135	\$ 1,076	\$ -	\$ -	\$ 1,211	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CCB-16	Stream Corridor Preservation ²	\$ -	\$ 500	\$ -	\$ 500	\$ -	100%	\$ -	\$ 500	\$ -	\$ -	\$ 100	\$ -	\$ 100	\$ 400	\$ 100	\$ 300	\$ 100	\$ 200	\$ 100	\$ 100	\$ 100	\$ -	
CCB-17	Reservoir Shoreline Stabilization ¹³	\$ 550	\$ -	\$ -	\$ 550	\$ 5	69%	\$ -	\$ 380	\$ 60	\$ -	\$ -	\$ -	\$ 60	\$ 320	\$ 75	\$ 245	\$ 305	\$ (60)	\$ -	\$ (60)	\$ 500	\$ (560)	
SUB-TOTALS		\$ 18,995	\$ 1,100	\$ 100	\$ 20,195	\$ 257		\$ 1,231	\$ 11,824	\$ 340	\$ 1,580	\$ 100	\$ -	\$ 2,020	\$ 9,810	\$ 863	\$ 8,947	\$ 1,509	\$ 7,438	\$ 2,193	\$ 5,245	\$ 3,164	\$ 2,081	

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September 8, 2006

Project No.	Project Title	Project Budget						Previous Expend.	Residual PRF Costs	Proposed 2007 Budget					Residual PRF Costs	Proposed 2008 Budget	Residual PRF Costs	Proposed 2009 Budget	Residual PRF Costs	Proposed 2010 Budget	Residual PRF Costs	Proposed 2011 Budget	Residual PRF Costs	
		Capital ¹	Land	Water	Total	O&M	Authority Portion			Note 11	Design ⁶	Capital	Land	Water										Total
OPERATIONS AND MAINTENANCE																								
<i>Rehabilitation Categories</i>																								
OM-1	Restore Cottonwood Perimeter Road	\$ 113	\$ -	\$ -	\$ -	\$ 113	100%	\$ -	\$ 113	\$ 8	\$ -	\$ -	\$ -	\$ 8	\$ 105	\$ 105	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OM-2	Shop Creek Wetlands Restoration ¹²	\$ 200	\$ -	\$ -	\$ -	\$ 200	100%	\$ -	\$ 200	\$ 16	\$ -	\$ -	\$ -	\$ 16	\$ 184	\$ 184	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OM-8	Cottonwood/Peoria sediment removal ¹⁴	\$ 24	\$ -	\$ -	\$ -	\$ 24	25%	\$ -	\$ 6	\$ -	\$ 6	\$ -	\$ -	\$ 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUB-TOTALS		\$ 337				\$ 337		\$ -	\$ 319	\$ 24	\$ 6	\$ -	\$ -	\$ 30	\$ 289	\$ 289	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<i>Restorative Categories</i>																								
OM-3	Quincy Drain embankment	\$ 2	\$ -	\$ -	\$ -	\$ 2	100%	\$ -	\$ 2	\$ -	\$ 2	\$ -	\$ -	\$ 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OM-4	East Boat Ramp riprap	\$ 1	\$ -	\$ -	\$ -	\$ 1	100%	\$ -	\$ 1	\$ -	\$ 1	\$ -	\$ -	\$ 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OM-10	East Shade Shelter	\$ 5	\$ -	\$ -	\$ -	\$ 5	100%	\$ -	\$ 5	\$ -	\$ 5	\$ -	\$ -	\$ 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OM-11	Dixon Grove	\$ 8	\$ -	\$ -	\$ -	\$ 8	100%	\$ -	\$ 8	\$ -	\$ 8	\$ -	\$ -	\$ 8	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OM-5	Tower Loop	\$ 13	\$ -	\$ -	\$ -	\$ 13	100%	\$ -	\$ 13	\$ -	\$ 13	\$ -	\$ -	\$ 13	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OM-12	Cottonwood Perimeter Road Outlet works	\$ 8	\$ -	\$ -	\$ -	\$ 8	100%	\$ -	\$ 8	\$ -	\$ 8	\$ -	\$ -	\$ 8	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OM-13	Shop Creek Sediment Removal	\$ 25	\$ -	\$ -	\$ -	\$ 25	25%	\$ -	\$ 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6	\$ 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OM-6	Interpretive Signage restore	\$ -	\$ -	\$ -	\$ -	\$ -	50%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUB-TOTALS		\$ 62				\$ 62		\$ -	\$ 43	\$ -	\$ 37	\$ -	\$ -	\$ 37	\$ 6	\$ 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<i>Routine Categories</i>																								
OM-9	Sinking Fund Contribution ⁸	\$ 125	\$ -	\$ -	\$ -	\$ 125	100%	\$ -	\$ 125	\$ -	\$ -	\$ -	\$ -	\$ 25	\$ 100	\$ 25	\$ 75	\$ 25	\$ 50	\$ 25	\$ 25	\$ 25	\$ 25	\$ -
OM-7	Reservoir Destratification ⁹	\$ 212	\$ -	\$ -	\$ -	\$ 212	100%	\$ -	\$ 212	\$ -	\$ -	\$ 11	\$ 1	\$ 12	\$ 200	\$ 50	\$ 150	\$ 50	\$ 100	\$ 50	\$ 50	\$ 50	\$ 50	\$ -
SUB-TOTALS		\$ 337	\$ -	\$ -	\$ -	\$ 337		\$ -	\$ 337	\$ -	\$ -	\$ 11	\$ 1	\$ 37	\$ 300	\$ 75	\$ 225	\$ 75	\$ 150	\$ 75	\$ 75	\$ 75	\$ 75	\$ -
SUB-TOTAL O&M		\$ 736	\$ -	\$ -	\$ -	\$ 736		\$ -	\$ 699	\$ 24	\$ 43	\$ 11	\$ 1	\$ 104	\$ 595	\$ 370	\$ 225	\$ 75	\$ 150	\$ 75	\$ 75	\$ 75	\$ -	
GRAND TOTAL		\$ 19,731	\$ 1,100	\$ 100	\$ 20,195	\$ 993		\$ 1,231	\$ 12,523	\$ 364	\$ 1,623	\$ 111	\$ 1	\$ 2,124	\$ 10,405	\$ 1,233	\$ 9,172	\$ 1,584	\$ 7,588	\$ 2,268	\$ 5,320	\$ 3,239	\$ 2,081	

NOTES:

- 1 Includes engineering, administration, and contingency
- 2 Specific project not identified. Budget based on available funds.
- 3 WQCD 319 Grant provides \$76,467. Phase I completed in 2004 at a const cost of \$475,000. Portion of Ph II design completed in 2004. Ph II delayed until Peoria St. relocated. Finish design in 2006
- 4 TetraTech Contract = \$70k + 2k. Total CIP = \$4,278M (TetraTech 2006). Project budget is for CCBWQA stream stabilization portion of project as partnering with Arapahoe County and UDFCD is anticipated
- 5 Multi-phase project to restore and enhance wetlands along Cherry Creek. WQCD 319 Grant provides \$63,800 toward total project of \$159,500.
- 6 Includes technical feasibility, design, construction observation and administrative costs
- 7 Due to lowering of the operating water level in the Reservoir, project may be infeasible. Evaluate water level changes on project for future budget considerations.
- 8 Based on a fixed amount for each year for the period of the projection.
- 9 Construction of project delayed until Piney Creek stabilization is further along and until Arapahoe Road sediment pond completed.
- 10 Equipment bid = \$301,566, installation = \$455,823, total const. = \$757,389 (AMEC memo 8/14/2006). AMEC services = \$93,000, BC services = \$11,300, Total projection = \$861,689
- 11 Accumulative expenditures for the project, based on previous years accounting and estimate of current year expenses
- 12 Create greater open water to wetlands ratio for performance. First phase is to determine feasibility of effort.
- 13 Cost based on similar projects for east side of Reservoir, from Tower Loop to the East Boat Ramp.
- 14 Assume Authority provides 25% of funds, with remaining under UDFCD cost sharing with Arapahoe County for O&M
- 15 O&M for CCSP projects based on 2006 Annual O&M Inspection Report
- 16 Cost of land and water acquisition unknown. \$100k used as "place holder". 2007 Budget for technical feasibility
- 17 Time line based on local entity CIP projections