



**MINUTES OF ACTION BY BOARD OF DIRECTORS
OF
BIG DRY CREEK WATERSHED ASSOCIATION**

June 4, 2007

1. The Board of Directors (Board) of Big Dry Creek Watershed Association (BDCWA), a nonprofit corporation, hereby take, ratify and consent to the action taken by these minutes of action (pursuant to the provisions of the Colorado Revised Nonprofit Corporation Act). The Board received notice of the meeting on May 4, 2007 via e-mail. The meeting announcement was also posted to the public website (www.bigdrycreek.org). Shelley Stanley, Chairperson, called the meeting to order at 10:00 a.m., June 4, 2007.
2. The meeting attendance included Shelley Stanley, City of Northglenn; David Carter, Kelly Cline and Mary Fabisiak, City of Westminster; Lesa Julian and Laura Hubbard, City of Broomfield; Vic Lucero and Chris Crowley, City of Thornton; Tami Schneck, Aquatics Associates; and Jane Clary, Wright Water Engineers. Hallie Mahan, Bob Fiehweg and John Stover joined the meeting for a celebratory lunch, recognizing BDCWA's ten-year anniversary.
3. Tami Schneck, Aquatics Associates, provided a summary of the biological monitoring results for 2006, along with recommendations for future monitoring. Selected findings included:
 - Beaver dams affected sample location conditions in multiple locations. The dams were broken to enable sampling at several locations.
 - Extreme flow fluctuations were evident at bdc5.0, where the Yoxall Ditch diversion removed the majority of flows for the fall fish sampling event.
 - The 2006 fish sampling results were similar to 2004; however, there were some shifts in species composition. Improvements in the fish populations relative to the peak drought conditions in 2002 were evident.
 - No Johnny darters on common shiners (or other species driving state temperature standards) were collected from Big Dry Creek.

- Black spot disease was still present for the fish, particularly at the upstream sample locations.
 - Trends for benthic macroinvertebrates (“bugs”) were similar to previous years. Bug communities were healthier in the fall, consistent with previous findings. Fall conditions are considered to be a better indicator of the overall system.
 - Site 1.5c has the “tightest” or most constant health condition and is a good reference site.
 - For Big Dry Creek, the invertebrate community index (ICI) is believed to be a better measure of bug community health than the Rapid Bioassessment Protocol (RBP) scores.
 - Selenium fish tissue samples were two to three times higher than in 2005. Tami followed up with the laboratory to check for possible errors, but none were identified. The group discussed whether a split sample would be helpful in 2008, but it was unclear how beneficial this would be relative to the extra cost. Jane agreed to contact some other groups that may be collecting fish tissue samples at the same lab to see if they had experienced similar trends.
 - The beaver dams do not appear to have an effect on the bug communities.
 - Tami intends to finish the biological report in the next week or so, which should be referenced for more complete information and analysis of biological trends.
 - Tami provided a handout with recommendations for future monitoring. Regulatory drivers related to the biological sampling include the fact that the Colorado Water Quality Control Division (CWQCD) is completing work on “expected conditions” for benthic macroinvertebrates and fish. Fish are also a driver in temperature and ammonia standards, which factor into the CDPS wastewater discharge permit limits. Fish are also the driver for the selenium standards.
 - For 2008, Tami recommended that BDCWA drop the spring bug sampling. She indicated that sites bdc1.5 and 6.0 could be eliminated to reduce costs; however, Chris Crowley indicated that he would prefer not to drop bdc6.0 given development that is occurring in the lower watershed. Recommendations for 2010 were also provided.
4. The March 15, 2007 general membership meeting minutes were provided to the Board prior to the meeting via e-mail. Shelley Stanley motioned to accept the meeting minutes, David Carter seconded the motion, and the motion passed unanimously.
 5. At the January 2007 Board meeting, the Board determined that increased flexibility was needed in terms of numbers of Board and General Membership meeting, primarily due to budget constraints limiting the number of meetings. As a result, the Board unanimously

passed the following resolution to the Bylaws, which was motioned by Mary Fabisiak and seconded by Laura Hubbard:

RESOLVED that the Big Dry Creek Watershed Association, hereby modifies Article IV, Section 4.3 of its Bylaws to conduct public meetings at least biennially, rather than quarterly. The remainder of the Bylaws remain unchanged in their entirety.

6. David Carter provided the Treasurer's Report, including an account balance statement. The bank balance was \$68,316.68; all 2007 dues have been received. Approximately half of the biological monitoring work has been invoiced, along with roughly half of the watershed coordination services budget. Thus, the bank balance and work completed to date are on-track for 2007. Interest income is greater than anticipated. An accounting audit is planned for 2007. Vic Lucero motioned to accept the Treasurer's Report, Shelley Stanley seconded the motion, and the motion passed unanimously.
7. Jane Clary provided a handout summarizing the proposed 2008 budget for planning and discussion purposes. The proposed budget was \$50,500 including watershed coordination, biological monitoring in 2008, general operating costs, and partial support for the USGS gage behind Front Range Community College. Based on previous discussions with the City of Thornton, financial contribution from Thornton is not anticipated for 2008 although Chris Crowley indicated that he would continue to explore possible support under a CDPS stormwater permit nexus. All entities present at the meeting agreed that the budget and dues allocations seemed reasonable. (Follow-up email correspondence with Adams and Weld Counties confirmed reasonableness for these entities.) The dues/contribution requests were generally based on the dues allocation formula developed several years ago that factors in a base fee, land area contributing drainage to Big Dry Creek and wastewater discharge rate (if any).
8. Chris Crowley, Boy Scout Troop 98 Committee Chairman, provided information on two volunteer projects proposed by Boy Scout Troop 98 along Big Dry Creek during the summer of 2007. The first project will focus on a "Drains to Stream" public education program within the City of Thornton and the second project will focus on wildlife observation along the reach of stream between bdc1.0 and bdc3.0. The wildlife observation project will support BDCWA's ongoing efforts to identify potential sources of E. coli in the watershed. The projects will be conducted under supervision by parents/adults following Boy Scouts of America safety practices and policies. Chris requested a representative from BDCWA to interact with the Scouts, and Jane Clary agreed to do this.
9. Jane Clary provided a handout summarizing the interim E. coli dry weather sampling results on Big Dry Creek. The majority of the outfalls do not appear to be contributing to elevated E. coli in Big Dry Creek with the exception of one outfall just east of Front Range Community College. The City of Westminster is actively conducting additional supplemental investigations to explore potential sources of E. coli at this location. In the fall, two additional dry weather sample rounds will be conducted. Five beaver dam

locations were also sampled as part of source exploration on Big Dry Creek. Results from these locations were inconclusive with regard to effects on instream E. coli concentrations.

10. Jane Clary provided a copy of the grant application submitted to the Colorado Watershed Protection Fund for support of the E. coli Work Group. BDCWA provided a letter of support, along with multiple watershed organizations in Colorado. Originally, BDCWA had considered submitting its own application, but determined that the issue was best addressed at a statewide level. Jane Clary wrote the grant application with the support of the City of Northglenn.

11. The meeting adjourned at approximately 2:00 p.m., June 4, 2007.

These minutes of action constitute the record of the meeting of the Board of Directors of the Corporation and any officer of the Corporation is hereby authorized to certify any action taken by these minutes of action as having been duly taken or ratified by the Board of Directors of the Corporation on June 4, 2007, notwithstanding the date of actual signing. Meeting minutes were prepared for the Secretary by Watershed Coordinator, Jane Clary.

By: _____
BDCWA Secretary