

# MEMORANDUM BCWA

**Date:** September 9, 2015  
**To:** BCWA  
**From:** Russell N. Clayshulte, Manager

**Re:** BCWA PGO21 - Water Quality Best Management Practices  
in Use by Membership



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A number of BCWA member organizations are applying best management practices that are adapted to the watershed. The BCWA may document adaptable and water quality beneficial BMPs in a series of one or two-page summaries. These practices may be recognized by BCWA after demonstration/pilot programs. They are not typically included in the Urban Drainage and Flood Control District Criteria Manual. These BMP summaries include description, highlights and agencies using the practice, water quality concerns, benefits from applying practice, examples of BMPs in use, and any complimentary BCWA policies, if appropriate. Potential BMPs for possible consideration by the BCWA are as follows.

1. Recreational Use Management
  - a. Stream Corridor Recreational Use Access Management (These practices being done by Denver Parks, Jefferson County Open Space & Clear Creek County)
  - b. Park and Open Space Recreational Use Access Management (Denver Parks and Jeffco Open Space, BCLP, EPRD)
  - c. Recreational Use Assess management social trail restrictions, trail routing (Denver Parks and Recreation, Counties, Open Space, Evergreen Park Recreation District, and BCLP)
2. Large Animal Management
  - a. Horse Crossing limitations (City of Lakewood and BCLP)
  - b. Manure collection and composting (City of Lakewood and BCLP)
  - c. Stream Access limitations for cattle and horses (Jefferson County)
3. Illicit Discharges to Streams
  - a. Gray-water discharges into waterways (e.g., discharges from sump pumps or laundry utilities including car washes) (Jefferson County Health Department and utilities)
  - b. Illegal dumping of organic material in streams – compost material instead (Jefferson County and City of Lakewood stormwater programs)
  - c. Nutrient load tracking on tributaries to locate elevated NPS of nutrients (Various Members)
4. Special Stream Control and Management Structures
  - a. In-stream structures (e.g., rock dams) (Denver Parks, Jefferson County Open Space, Clear creek County)
  - b. Reducing snow deposition into streams (Evergreen)
  - c. Parking Lot runoff controls and buffers (Possible green infrastructure designs) (Various members)
  - d. Emergency flood control structures and practices for source water protection (Jefferson County and Clear Creek County)
  - e. Restricted use of coal-tar to seal parking lots/ asphalt roads (Alternatives to reduce impact) (?)
5. Aquatic Pest Management
  - a. Harvesting and composting of aquatic weed material (BCLP, EMD, EPRD)
  - b. Introduced aquatic species mapping and identification (Clear Creek and Jefferson Counties, Various members)
  - c. Boat Inspections (BCLP, EPRD)
6. Reservoir Aeration Systems
  - a. Manage water quality, fishery, direct use water supply, recreation uses (EMD, EPRD, BCLP)