

PGO27 BCWA Watershed Plan Element Outline

Updated: June 13, 2016



Document Set 1. Watershed Characterization and Regulatory Framework

1.1 Electronic Watershed Plan Structure

PGO01 Master Document Index List – updated with current list of document sets
PG02 Program Document Categories – types and uses of watershed document sets
Policy 28 Watershed Plan
Policy Series **POLICY** (June 2016 – 35 Policies)
Report Series and Support Documents **RPT** (June 2016 – 82 Reports; documents as Informational without number designations - archived)
Annual Reports **AR** (As sent to WQCC and for BCWA use)
Data Reports **DR** (June 2016 – 12 DR)
Fact Sheet Series **FS** (June 2016 – 55 fact Sheets)
Informational Series **IFS** (June 2016 – 18 IFS)
Program Document Series **PGO** (June 2016 – 26 PGO)
Technical Memorandum **TM** (June 2016; 2010-2015 – 50 TM)
Map Series **MS** (June 2016 – 34 MS)
Standard Review Papers **SRP** (June 2016 – 15 SRP)
Rulemaking Hearing Statements **RMH** (June 2016 – 36 RMH)
Master Spreadsheets Data **MSD** (June 2016 – 35 MSD)
Water Quality Data Summary **WQD** (June 2016 – 5 WQD)
Education Series **ED** (June 2016 – 8 ED)
Bear Creek Control Regulation #74 **CR**
BCWA Web Site

1.2 Watershed Approach to Manage Water Resources **POLICY, FS, PGO, AR, DR** (Policy 28, FS01)

1.3 History and Background **RPT, FS, MS, IFS, AR, RMH**

Clean Lake Study
DRCOG Clean Water Plan
State Water Quality Management Plan (SWQMP April 11, 2014 and Web WQCC)
Management Agency (CR; FS01 and FS10)
Bear Creek Control Regulation (**CR**, FS10, Web WQCC)
Other Controlling Regulations – Reg. 38, 85 and Basic Standards (Web WQCC)
Monitoring Program and Historical Monitoring Plans (PGO, Monitoring Plans)
Annual Reporting (**AR**)
Historical Annual and Other Reports
Historical Data Reports

1.4 Bear Creek Watershed Features

Geographical Definition and Watershed Boundary (MS01 and BCWA Policy 13)
Major Physical Features (FS25 and Online Management Web site)
Stream Segments (FS27, FS28, FS29)
Dams and Reservoirs (FS05, FS08, FS40)
Plants and Animals (FS04, FS11, FS12, FS30, FS32, FS36, FS37, FS38, FS42, FS43, FS48, FS49, FS52)

Recreation Uses (FS35)
Wastewater Demographics (FS41)
Watershed Demographics (FS26)
Flood Impacts to Watershed ((FS14, FS16, FS17, FS18)
Instream Flow Rights ((FS20)
Map Series **MS**
Code files for Google Earth (sub-basins, monitoring site, key features)

1.5 Bear Creek Watershed Land Use and Demographics (Map-23 and Online Management; Link DRCOG and State, FS26, FS41, MS25, MS26, MS27. MS31)

1.6 Association Integration with Other Planning Efforts (Policy 21 and 29; FS1)

1.7 Impaired Waters and Protection of Potential Use Impaired Waters

Table of Segments in Watershed (FS27)
Adopted Standards, Classifications and Beneficial Uses (FS28, FS29, FS31, FS33, FS39)
303(D) Listing (Reference to Reg 93 and FS21, FS53, FS54)
Monitoring and Evaluation List (Reg 93 and FS21, FS54)
Pollutants of Concerns (FS22, FS53, FS50, FS51, FS54)
AR and **DR**

1.8 Threatened or Endangered Species (FS30)

1.9 Regulatory Framework, Issues and Processes

RMH, SRP, PGO, AR
Bear Creek Control Regulation Expectations (FS10)
Point Source Management Program (Policy 23, 24, 25)
SWQMP (Reference and link WQCC/ WQCD, Policy 28)
Nonpoint Source Management Program (Policy 15)
Regulated Stormwater Management (**AR**, Lakewood, Jefferson County and CCC)
BC Reservoir Operations (Policy 8 and 20, FS2, 3, 5, 6, 7)
EGL Operations (FS8 and Policy 20)
Total Maximum Annual Load Allocation Status (CR and FS30, FS31, FS53)
Trading Policy and Program (Trading Guidelines, State guidelines, Policy 1, 19, 24, 26, and FS24)

Document Set 2. Watershed Organization

2.1 BCWA Stakeholders and Organization (Policy 16; ROO)

Policies, PGO
BCWA Rules of Operation (ROO, Policy 30)
Watershed Partners (Policy 16, FS01)
Planning Agency - WQCD and WQCC (Policy 28)
List of BCWA Funding Partners (PDF, FS1)
Funding Mechanisms (ROO, Policy 30)
Membership and Organization Management (Policies 5, 6, 30, 33, 35)
Financial Plan (Policy 30 and 33)

2.2 Outreach Activities and Technical Assistance (**AR, DR**, FS19, FS9, Policy 15, 21, 27, 29)

Document Set 3. Scope of Bear Creek Watershed Efforts

3.1 Pollutants of Concerns

TM, WQD, AR, DR, MSD

Control Regulation (CR, Web WQCC)

Point Source, Nonpoint Source and Stormwater (FS11, FS21 FS22, FS33, FS39, FS50, FS51, FS53, FS54)

3.2 Indicators to Measure Success (FS13)

TM, WQD, AR, DR, MSD

Annual Report WQCC (**AR** and Web Bear Creek)

Annual Data Report (**DR** and Web Bear Creek)

Web Sites (Web Bear Creek and Online Management System)

3.3 Mission and Vision of Watershed Organization (Policy 12, 28, 30, 32, 33, 35, FS01, FS13, FS17, FS23, FS31, FS44, FS51)

3.4 Targets (Policy 12, 15, 18, 19, 20, 22, 25, 26, 32, 34)

Document Set 4. Watershed Information, Monitoring Plan And Data Inventories

4.1 Information Sources and References (RPT, DOC)

4.2 Monitoring Program

Monitoring Program (Monitoring Plan)

Data Management Program (**AR, DR**, Monitoring Plan)

CR Reporting Requirements (**AR, DR**, Monitoring Plan)

4.3 Existing data Inventory (TM, FS, MS, MSD, WQD, IFS, Web Site)

Document Set 5. Data Analyses and Characterizations

5.1 Data Sets and Data Management (AR, DR, WQD, BMP, MSD, MS, TM, Monitoring Plan)

5.2 Established Analysis Methodologies (Monitoring Plan)

5.3 Water Quality and Environmental Models and Modeling

5.4 Adopted Total Maximum Annual Load Strategy (AR, CR)

5.5 Quantify Pollutant Loads and Load Reductions (AR, CR, MS, MSD, DR, WQD, TM)

5.6 Other Environmental Data Analysis and Characterization (FS, MS, AR)

Document Set 6. Watershed Management Action Strategies and Programs

6.1 Existing Management Strategies/ Programs

AR, FS, PGO

Growth and Development (Policy 3)

Planning Review (Policy 2, 3)

Water Quality Monitoring Tiers (Policy 10)

Point Sources (Policy 23)

Aspen Park Special Management Region (Policy 9)
Nonpoint Sources (Policy 3)
BCW Manure Management (Policy 4)
Onsite Wastewater Systems (Policy 11, 11s)
BCR and EGL Strategies (Policy 20, Policy 7)
Sediment and Erosion Control (Online Management Web Site)
Water Resources Management (Policy 25, 27, 28, FS20, FS29)
Wildfire Hazard Assessment (Link and Reports)
Source Water Protection (Policy 27)
Education and Outreach (Annual report, FS19, FS14, FS23, FS9, FS4, Brochures, Maps)
Fishery (Master Spreadsheet, Link, FS12)
Macroinvertebrates (FS32 and MSS)
Zooplankton (FS42)
Wetlands (FS49, FS52)
Recycling Support (Policy 17)
Illegal Material Dumping as a Pollutant (Policy 18)
Water Reuse and Conservation (Policy 25)
Environment Disaster Management (FS14, FS16, FS17, FS18)

6.2 Lakewood BCR Aeration System and Operations (Policy 8, 20, FS6, FS47)

6.3 EGL Operations (Policy 7, Policy 20, **MS**, FS8)

6.4 Stormwater Management (Reference Lakewood, Jefferson County and CCC)

6.5 Invasive Species (FS30)

6.6 Adaptive Management Program (BCWA Policy 21 and Online system)

6.7 Watershed Approach (Policy 28)

6.8 Watershed Appropriate Best Management Practices (Policy 15)

Document Set 7. Association Implementation Programs

7.1 Monitoring Plan (annual Monitoring Plan)

7.2 TMDL Program (Control Regulation)

7.3 Technical Assistance (2013 Annual Report and Web Link Bear Creek)

7.4 Watershed Measures of Progress and Success

Interim Milestones and Checkpoints (AR and Web Bear Creek)

Long-term Focus (e.g. 20-year) (Policy 12)

7.5 Financial Plan (Policy 30)

Minimum Funding Requirement (Base Program) (Annual Budget)

Five-Year Funding Requirements with Activities (Policy 30)

Funding Sources (Policy 30, Annual Budget, Policy 16)

Project Evaluation Process (Policy 22)

Nonprofit Affiliate (FS)

7.6 Information and Education Plan

- 1.1 Education Program Documents and PowerPoints **ED**
- 1.2 Association Web Site (Web Link Bear Creek)
- 1.3 Community Outreach (Policy 21 and Online system, Geo-locate signs; all education material)
- 1.4 Newsletter
- 1.5 Special Events, festivals and classroom

7.7 Association Annual Reports and Documents

- Policies
- Annual Reports
- Data Reports
- Fact Sheets
- Map Series
- Information Series
- Brochures and Flyers
- Technical Memorandum
- Other Reports

Document Set 8. Association Adaptive Watershed Management Plan

- 8.1 Checklist of Basic Association Management Plan Elements (PDF of outline)
- 8.2 Adaptive Management Program (Policy 21 and Online system)
- 8.3 Reporting Processes (Control Regulation, Annual Reports)
- 8.4 Total Maximum Daily Load Implementation (FS31)
- 8.5 Concerns and Issues Raised by Membership and Outside Partners (Policy 21 and Online system)