

Summary of Online Stormwater Resources:

A summary of available online stormwater resources which may be of interest to Citizen Monitors and Watershed Stewards.

Agency Programs...BMP's...Monitoring...Videos...Other...

Agency Programs:

EPA Stormwater Program

Stormwater runoff is generated when precipitation from rain and snowmelt events flows over land or impervious surfaces and does not percolate into the ground. As the runoff flows over the land or impervious surfaces (paved streets, parking lots, and building rooftops), it accumulates debris, chemicals, sediment or other pollutants that could adversely affect water quality if the runoff is discharged untreated. The primary method to control stormwater discharges is the use of best management practices (BMPs). In addition, most stormwater discharges are considered point sources and require coverage under an NPDES permit.

http://cfpub.epa.gov/npdes/home.cfm?program_id=6

Stormwater Basic Information

<http://cfpub.epa.gov/npdes/stormwater/swbasicinfo.cfm>

SWRCB Storm Water Program

www.waterboards.ca.gov/water_issues/programs/stormwater/

SWRCB Nonpoint Source Program

www.waterboards.ca.gov/water_issues/programs/nps/

Coastal Commission Water Quality Program Statewide Nonpoint Source (NPS)

www.coastal.ca.gov/nps/npsndx.html

Caltrans Statewide Stormwater Program

www.dot.ca.gov/hq/env/stormwater/

www.dot.ca.gov/hq/construc/stormwater/stormwater1.htm

Southern California Stormwater Monitoring Coalition

Stormwater runoff in southern California has become one of the largest environmental management issues in the region. The goal of the SMC is to develop the technical information necessary to better understand stormwater mechanisms and impacts, and then develop the tools that will effectively and efficiently improve stormwater decision-making. The SMC develops and funds cooperative projects to improve our knowledge of stormwater quality management. SMC projects are described on these web pages.

www.socal-smc.org/

Bay Area Stormwater Management Agencies

BASMAA was started in response to the National Pollutant Discharge Elimination System (NPDES) permitting program for storm water in an effort to promote regional consistency and to facilitate efficient use of public resources.

www.basmaa.org/

BMP's:

NEMO National Network

The Network was originally envisioned as a cooperative of educational programs that would assist each other in fulfilling their mission of educating local decision makers. But as the Network has grown, it has begun to demonstrate that it can be far more than the sum of its parts, helping to leverage federal and state information, programs and dollars in a unique and effective way.

<http://nemonet.uconn.edu/hub/initiatives.htm>

LID Atlas

<http://clear.uconn.edu/tools/lidmap/>

The International Stormwater Best Management Practices (BMP) Database

The International Stormwater Best Management Practices (BMP) Database project website, which features a database of over 400 BMP studies, performance analysis results, tools for use in BMP performance studies, monitoring guidance and other study-related publications. The overall purpose of the project is to provide scientifically sound information to improve the design, selection and performance of BMPs.

www.bmpdatabase.org/

Monitoring:

Industrial Stormwater Monitoring and Sampling Guide (EPA 832-B-09-003)

The Industrial Stormwater Monitoring and Sampling Guide (“guide”) is a how-to primer for industrial facility operators on how to conduct visual and analytical monitoring of stormwater discharges. The target audience is operators of facilities subject to the U.S. Environmental Protection Agency’s (EPA) 2008 Multi-Sector General Permit (2008 MSGP) or a similar State-issued industrial stormwater permit. The information presented will also be useful to anyone interested in industrial stormwater monitoring. The procedures presented in this guide, specifically related to monitoring methodology and quality assurance, will help ensure that stormwater samples yield usable information.

<http://itd.idaho.gov/enviro/storm%20water/MSGP/Monitoring%20and%20Sampling%20Guide.pdf>

Urban Stormwater BMP Performance Monitoring

This manual provides targeted practical assistance in conducting water quality monitoring and reporting data that are useful for assessing effectiveness of stormwater best management practices (BMPs).

<http://water.epa.gov/scitech/wastetech/guide/stormwater/monitor.cfm>

Developing a Project Assessment and Evaluation Plan

www.swrcb.ca.gov/water_issues/programs/grants_loans/paep/

How to do Stormwater Monitoring: A guide for construction sites (State of Washington)

www.ecy.wa.gov/biblio/0610020.html

The Stormwater Manager's Resource Center

The Stormwater Manager's Resource Center is designed specifically for stormwater practitioners, local government officials and others that need technical assistance on stormwater management issues. Created and maintained by the Center for Watershed Protection.

www.stormwatercenter.net/

Video:

After the Storm

The show highlights three case studies—Santa Monica Bay, the Mississippi River Basin/Gulf of Mexico, and New York City— where polluted runoff threatens watersheds highly valued for recreation, commercial fisheries and navigation, and drinking water. Key scientists and water quality experts, and citizens involved in local and national watershed protection efforts provide insight into the problems as well as solutions to today's water quality challenges.

www.clu-in.org/search/t.focus/id/602/

<http://water.epa.gov/action/weatherchannel/>

Slow the Flow

Make Your Landscape Act Like a Sponge - A joint production of the Water Board Training Academy, Storm Water Program, brings to life practices and projects that individuals and communities have created to steward our watersheds and slow down the flow of storm water, one of the largest contributors of pollution into our waterways.

www.waterboards.ca.gov/stormfilm/

Video Highlights of a Unique Effort to Eliminate Plastic Debris

"Nurdles may sound harmless, but these small plastic pellets can do great damage to waterbodies like San Francisco Bay," said Jared Blumenfeld, EPA's Regional Administrator for the Pacific Southwest. "To protect our water resources, EPA is partnering with the State to require manufacturers to take steps to prevent pellet spills."

www.waterboards.ca.gov/videos/video_pages/nurdles.shtml

Other:

California Stormwater Quality Association

Formed in 1989 as the California Stormwater Quality Task Force, the SWQTF was a quasi-governmental organization, which advised the State Water Resources Control

Board on matters related to developing stormwater regulations - more specifically, it was intended to help California comply with the municipal and industrial National Pollutant Discharge Elimination System (NPDES) stormwater mandates of the federal Clean Water Act. The Task Force officially became CASQA in September 2002, when its formal 501 (c)(3) non-profit organization status was approved. Today... CASQA holds bi-monthly meetings which are open to the public. Anyone can participate in committees and work groups.

www.casqa.org/

Stormwater USA

Online stormwater training & certification

www.stormwaterusa.com/

National Association of Flood & Stormwater Management Agencies

www.nafsma.org/

Southeast Stormwater Association

SESWA is the source for up-to-date information on stormwater management for professionals in city and county governments and the consulting community throughout the southeast.

www.seswa.org/

This summary was prepared by the SWRCB's Clean Water Team. November 4, 2011



http://www.waterboards.ca.gov/water_issues/programs/swamp/cwt_volunteer.shtml