MODEL URBAN RUNOFF PROGRAM
INTERNET RESOURCES LIST

*Available online at http://www.coastal.ca.gov/la/water_quality.html
Please check this website periodically for list updates.

Vanessa Metz, California Coastal Commission
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The following list contains links to websites that may be useful to communities developing urban runoff programs. Because most of these websites fall under multiple categories, check through the whole list to find relevant stormwater management resources.

General Nonpoint Source/Urban Runoff Information

Title / Source	Description	Web Link
Nonpoint Education for Municipal Officials (NEMO), by Univ. of Connecticut Cooperative Extension System	Innovative techniques to teach local officials about sources and impacts of NPS pollution. Great downloadable technical papers, fact sheets, and slide show.	http://nemo.uconn.edu/
Nonpoint Source Pollution Control Program, by Calif. State Water Resources Control Board	Links to NPS guidance, citizen monitoring, environmental education, grants and loans.	http://www.swrcb.ca.gov/nps/index.html
Storm Water Program, by Calif. State Water Resources Control Board	Introduction to Caltrans, Construction, and Industrial storm water programs.	http://www.swrcb.ca.gov/stormwtr/
Water Quality Resources for Local Governments, California Coastal Commission	CA management measures for improving water quality, and links to water quality sites.	http://www.coastal.ca.gov/la/water_quality.html
Nonpoint Source Pollution, by U.S. EPA	Information on education and outreach, funding, publications.	http://www.epa.gov/owow/nps/

Urban Runoff Program Development

Title / Source	Description	Web Link
Model Urban Runoff Program, on California Coastal Commission's website	A guide for small municipalities on how to develop urban runoff programs (URPs).	http://www.coastal.ca.gov/la/murp.html
The Stormwater Manager's Resource Center, by the Center for Watershed Protection	Technical assistance including BMP design, model ordinances, reference library, and slideshows. A comprehensive and informative resource.	http://www.stormwatercenter.net/
Texas Nonpoint Source Book, by Texas Natural Resource Conservation Commission	Extensive, well-organized information for public works professionals on starting an URP, and selecting BMPs.	http://www.txnpsbook.org/
Process for Developing a Storm Water Management Program, by U.S. EPA	A brief overview of program components, planning, and implementation.	http://www.epa.gov/npdes/stormwater/measurablegoals/part4.htm

Urban Runoff Program Development, continued

Developing Successful Runoff Control Programs For Urbanized Areas, by Northern Virginia Soil and Water Conservation District	This manual describes strategies for developing the institutional framework for urban runoff programs. Includes case studies.	http://ntl.bts.gov/DOCS/RUNOFF.html
Techniques for Tracking, Evaluating, and Reporting the Implementation of Nonpoint Source Control Measures: Urban, by U.S. EPA	Helps local officials establish statistical sampling to assess, inspect, or evaluate BMPs, erosion and sediment controls, and onsite wastewater treatment systems.	http://www.epa.gov/owow/nps/urban2.html

Storm Water Phase II Regulations

Title / Source	Description	Web Link
Storm Water Phase II Fact Sheet Series, by U.S. EPA	Fact sheets for small MS4s, on program overview, minimum control measures, and permitting.	http://cfpub.epa.gov/npdes/stormwater/swfinal.cfm?program_id=6
Measurable Goals Guidance for Phase II Small MS4s, by U.S. EPA	Guidance for MS4 operators on how to develop a storm water management plan with BMPs and measurable goals.	http://www.epa.gov/npdes/stormwater/measurablegoals/index.htm
Storm Water Phase II Compliance Assistance Guide, by U.S. EPA	Details of Phase II Rule, for MS4, construction, and industrial permits.	http://www.epa.gov/npdes/pubs/comguide.pdf
Local Government Environmental Assistance Network (LGEAN)	Environmental management, planning, funding, and regulatory information for local governments.	http://www.lgean.org
California Storm Water Quality Task Force	Assists the SWRCB in implementing NPDES municipal Storm Water Program in Calif.	http://www.stormwatertaskforce.org/
Phase II Final Rule in Federal Register, on U.S. EPA website.	Phase II Final Rule as listed in the Federal Register on Dec. 8, 1999.	http://www.epa.gov/npdes/regulations/phase2.pdf

Model Water Quality Ordinances

Title / Source	Description	Web Link
Model Ordinances on the Web, by the Center for Watershed Protection	Sample ordinances from around the country provide language and ideas for effective ordinances.	http://www.cwp.org/
Model Ordinances to Protect Local Resources, by U.S. EPA	Model ordinances for illicit discharges, post-construction controls, aquatic buffers, erosion and sediment control, stormwater control operation, and more.	http://www.epa.gov/owow/nps/ordinance/
Water Quality Model Code and Guide Book, by Oregon Dept. of Environmental Quality	Model ordinances and comprehensive plan policies for small communities.	http://www.lcd.state.or.us/coast/waterguidebook/watergb.html
Stormwater Management Plan to Accompany Grading Permit Applications, by San Diego County Project Clean Water (CA)	Permit application for property owners, documenting stormwater BMPs. Click on Ordinances, then Attachments to view.	http://www.projectcleanwater.org/

Model Water Quality Ordinances, continued

Excerpts from the Periodic Review of San Luis Obispo County's Local Coastal Program (LCP), by California Coastal Commission	Suggestions for improving the water quality component of the LCP. May provide guidance for other jurisdictions updating LCPs.	http://www.coastal.ca.gov/la/water_quality.html
Green Buildings Design & Construction Guidelines, by City of Santa Monica (CA)	Building performance ordinances focusing on reducing energy consumption and runoff, and improving runoff quality.	http://greenbuildings.santa-monica.org/

Urban Runoff Program Funding

Title / Source	Description	Web Link
Internet Guide to Financing Stormwater Management, by the Center for Urban Policy and the Environment	Comprehensive website to help communities find ways to finance stormwater management projects. Includes manual, bibliography, case studies, and links.	http://stormwaterfinance.urbancenter.iupui.edu/
California Watershed Foundation Database, by Calif. Resources Agency, Calif. State Univ. Chico, and InfoEd Int'l	Searchable database of statewide watershed funding opportunities.	http://watershed.ecst.csuchico.edu/new_spin/spinmain.asp
Economic Benefits of Runoff Controls, by U.S. EPA	Studies documenting increases in property values when properly designed runoff control facilities are used as visual amenities.	http://www/epa.gov/owow/nps/runoff.html#4
A State and Local Government Guide to Environmental Program Funding Alternatives, by U.S. EPA	An overview of traditional (nongovernmental) funding mechanisms and innovative approaches for funding environmental programs.	http://www.epa.gov/owow/nps/MMGI/funding.html
NPS Pollution Control Grants and Loans, by Calif. State Water Resources Control Board	Lists funding sources for projects reducing polluted runoff in California.	http://www.swrcb.ca.gov/nps/grants.html
An Annotated Bibliography of Stormwater Finance Resources, by Center for Urban Policy and Environment, Indiana Univ.	Collection of literature (manuals, articles, surveys, case studies) on stormwater utilities and other potential funding sources.	http://stormwaterfinance.urbancenter.iupui.edu/PDFs/Entirebib.pdf

Municipal Urban Runoff Program Examples

Title / Source	Description	Web Link
Stormwater Strategies: Community Responses to Runoff Pollution, by the Natural Resources Defense Council	100 case studies of effective strategies implemented by communities to control urban runoff pollution.	http://www.nrdc.org/water/pollution/storm/stoinx.asp
Links to National Stormwater Programs, by North Carolina Division of Water Quality	Links to municipal stormwater programs throughout the U.S., organized by state.	http://h20.enr.state.nc.us/nps/LINKS.htm

Municipal Urban Runoff Program Examples, continued

Storm Water Programs of Other Local Governments, by the City of Fort Worth, TX	Alphabetical listing of web-sites of municipal storm water /NPS pollution programs in the U.S.	http://ci.fort-worth.tx.us/dem/stormcontacts.htm
County of San Diego, CA: *Project Clean Water Urban Runoff Management Program*	Program guidance documents on each URP element; click on "Model Programs" to view. Also offers model ordinances.	http://www.projectcleanwater.org
San Francisco Bay Area, CA: *BASMAA (Bay Area Storm Water Management Agencies Association)*	A model regional collaboration. Website describes commercial /industrial, construction, monitoring, new development, and public information programs.	http://www.basmaa.org/
Alameda County, CA: *Alameda Countywide Clean Water Program*	Regional collaboration on urban runoff pollution prevention. Web-site offers many free brochures.	http://www.co.alameda.ca.us/pwa/water.shtml
City of Santa Monica, CA: *Stormwater and Wastewater Program*	Includes ordinances, funding structure, and industrial pretreatment program (for restaurants, auto repair shops, etc.).	http://www.ci.santa-monica.ca.us/environment/policy/bay/policies.htm#Urban%20Runoff%20Pollution%20Control%20Ordinance
City of Sacramento, CA: *Stormwater Program*	Good outreach website geared towards the general public.	http://www.sacstormwater.org/
City of Sunnyvale, CA: *Urban Runoff NPS Pollution Control Program*	Public education and outreach, including BMPs and online permitting.	http://www.ci.sunnyvale.ca.us/community-dev/building/pollution-control.htm
Monterey Bay National Marine Sanctuary: *Water Quality Protection Program*	Presents water quality issues in the MBNMS, with information on agricultural NPS BMPs.	http://www.mbnms.nos.noaa.gov/Resourcepro/reports/AgactionIV_99/ag99_management.html
City of Monterey, CA: *Storm Drain Pollution Prevention*	Public education on household pollution prevention. Also gas station, restaurant, and urban runoff posters.	http://www.monterey.org/publicworks/stormeduc.html
City of Los Angeles, CA: *Watershed Protection Program*	Includes public outreach, good housekeeping measures, handbooks for construction and design BMPs, newsletters, and model ordinances.	http://www.lastormwater.org/

Best Management Practices Databases

Title / Source	Description	Web Link
National Menu of Best Management Practices for Storm Water Phase II, by U.S. EPA	Well-organized menu of BMPs, plus measurable goals guidance, for communities developing storm water programs.	http://www.epa.gov/npdes/menuofbmps/menu.htm
National Stormwater Best Management Practices (BMP) Database, by American Society of Civil Engineers and U.S. EPA	Data on effectiveness of urban stormwater BMPs, from over 100 studies.	http://www.bmpdatabase.org/

Best Management Practices Databases, continued

Urban Small Sites Best Management Practices Manual, by Metropolitan Council (MN)	Well-organized, easy to use. One of the best resources available for information on source control and structural treatment BMPs.	http://www.metrocouncil.org/environment/watershed/bmp/manual.htm
Best Management Practices to Protect Water Quality from Nonpoint Source Pollution, by North American Lake Management Society (Canada)	A user-friendly compilation of BMPs for numerous types of land uses, including automotive and industrial facilities. This is one of the best lists of BMPs available.	http://www.nalms.org/bclss/bmphome.html#introduction
Urban Stormwater Best Management Practices, by North Carolina State University WATERSHEDSS group	Comprehensive list of urban stormwater BMPs, by numerous land use categories, including industrial	http://h2osparc.wq.ncsu.edu/wetland/aqlife/urbstorm.html also: http://h2osparc.wq.ncsu.edu/info/bmps.html
Guidance Specifying Management Measures for Sources of Nonpoint Pollution in Coastal Areas, by U.S. EPA	Management measures for sources of coastal NPS pollution (agricultural, forestry, urban, marinas and boating, hydro-modification, and wetlands).	http://www.epa.gov/owow/nps/MMGI/

Public Education/ Outreach Resources

Title / Source	Description	Web Link
Storm Water Resources, by American Oceans Campaign	Extensive collection of storm water educational resources for California, by type of material, audience, and participants.	http://www.americanoceans.org/runoff/epa.htm
Showcase of Exceptional Educational Products, by Washington State Dept. of Ecology	Compilation of outstanding educational materials on nonpoint source pollution, from many sources, searchable by format.	http://www.ecy.wa.gov/forms/showcase/
Getting in Step: A Guide to Effective Outreach in Your Watershed, by The Council of State Governments	Tools for watershed groups and public agencies to develop and implement an effective outreach program.	http://www.epa.gov/owow/watershed/outreach/documents/
Model Urban Runoff Program Public Education Tool Box, by City of Watsonville (CA)	Radio advertisements, brochures, and posters from Watsonville's implementation of MURP.	http://www.ci.watsonville.ca.us/murp/toolbox.html
The Septic Education Kit, by Padilla Bay National Estuarine Research Reserve	Everything you need to set up an education program on the care and maintenance of septic systems.	http://www.ocrm.nos.noaa.gov/nerr/septickit/welcome.html
Watershed Pledge Program, by Whatcom County, WA	Voluntary pledge program helps residents, businesses, and institutions change their behaviors to prevent water pollution.	http://www.watershedpledge.org/pledges
WaterWise Pest Control, by the City of Sacramento and Univ. of Calif. Master Gardener Program	Provides information on safe and effective alternatives for pest control, including integrated pest management strategies.	http://www.sacstormwater.org/wise/index.html

Public Education/ Outreach Resources, continued

Surface Water Pollution Prevention: Best Management Practices, by Seattle Public Utilities (WA)	Information on urban BMPs with emphasis on nonstructural household BMPs.	http://www.ci.seattle.wa.us/util/surfacewater/bmp/default.htm
H20 Home to Ocean, by California EPA's Dept. of Pesticide Regulation	Promotes safe use and disposal of pesticides in homes and gardens to protect water quality.	http://www.home2ocean.org/index.html

Public Involvement/Participation Resources

Title / Source	Description	Web Link
Snapshot Day, by The Monterey Bay National Marine Sanctuary	A 1-day sanctuary-wide volunteer water quality monitoring event. Increases public awareness of water quality issues.	http://bonita.mbnms.nos.noaa.gov/Resourcepro/reports/snapshot2000/
Urban Watch Monitoring Program, City of Monterey, CA	Trained volunteers monitor urban storm drains, and identify common pollutants.	http://www.coastal-watershed.org/uwm2000.htm
Adopt Your Watershed, by U.S. EPA	Campaign to encourage stewardship of the nation's water resources. List of over 3,000 watershed groups.	http://www.epa.gov/adopt/
Grate Mate Program, by Planet CPR	The program consists of volunteers installing Grate Mates (fabric filters) in storm drains of community parking lots.	http://www.planetcpr.org/aboutgratemates.html

Municipal Operations Pollution Prevention

Title / Source	Description	Web Link
Municipal Stormwater Toolbox for Maintenance Practices, by the Oregon Assoc. of Clean Water Agencies	Guidance for maintenance staff to incorporate water quality principles into maintenance activities.	http://www.oracwa.org/Pages/toolbox.htm
Maintenance Storm Water Pollution Prevention Bulletin, by the California Department of Transportation (Caltrans)	A monthly bulletin with technical information on management practices and solutions designed for Caltrans' maintenance staff.	http://svhqsgi4.dot.ca.gov/hq/env/stormwater/publicat/maintain/acrobat.htm

Model Urban Runoff Program Workshop

Construction Pollution Prevention

Title / Source	Description	Web Link
Caltrans Stormwater Quality Handbooks, by California Department of Transportation	Two handbooks, on selection and implementation of construction site BMPs, and preparing a Storm Water Pollution Prevention Plan.	http://www.dot.ca.gov/hq/construc/stormwater.html
Stormwater Management Program, by the California Department of Transportation	Stormwater research and monitoring studies, BMP evaluations, and more	http://www.dot.ca.gov/hq/env/stormwater/index.htm
Construction Storm Water Sampling and Analysis Guidance Document, by the California Stormwater Quality Taskforce	Guidance for operators of construction sites who are permittees under NPDES Storm Water construction permits.	http://www.stormwatertaskforce.org/swqtf/CSWSAGD.pdf

Post-Construction Pollution Prevention

Title / Source	Description	Web Link
Los Angeles County, CA *Stormwater Quality*	Standard Urban Storm Water Mitigation Plan (SUSMP) is a model guidance document for selecting post-construction BMPs. Also features model stormwater management programs.	http://ladpw.org/wmd/NPDES/
Low Impact Development (in "Stormwater Strategies"), *by the Natural Resources Defense Council*	LID principles, programmatic considerations, design strategies, and an example of an analytic procedure for designing runoff treatment systems.	http://www.nrdc.org/water/pollution/storm/chap12.asp
The Low Impact Development Center, Inc.	Information on LID BMPs and case studies; links to related organizations.	http://www.lowimpactdevelopment.org
Low Impact Development Literature Review and Fact Sheets, by U.S. EPA and LID Center	Overview of LID principles and issues such as use, ownership, and cost. Summarizes information on pollutant removal effectiveness of LID practices.	http://www.epa.gov/owow/nps/lidlit.html
Low Impact Development Design Strategies, by Prince Georges County, MD	Comprehensive manual describes how LID can achieve stormwater control and preserve natural hydrology.	http://www.epa.gov/owow/nps/lidnatl.pdf
Growing Greener in Your Rappahannock River Watershed by Friends of Rappahannock (Chesapeake Bay)	Watershed planning with "green development" practices boasting economic and environmental benefits. Contains BMP cost information and case studies.	http://for.communitypoint.org/pages/grogreen.html
Maintaining Urban Stormwater Facilities: A Guidebook for Common Ownership Communities, by Montgomery County (MD)	Maintenance information for ponds, infiltration trenches, underground storage structures, and oil/grit separators.	http://www.co.mo.md.us/services/dep/Stormwater/maintain.htm

Post-Construction Pollution Prevention, continued

Sustainability and Green Buildings, by Pacific Northwest Pollution Prevention Resource Center	Newsletter provides information on green/sustainable buildings, plus green building resources list.	http://www.pprc.org/pprc/pubs/newslets/news0799.html
Sustainable Building Sourcebook, by the Green Building Program of the City of Austin	Sustainable building practices including pervious materials, and using rainwater for irrigation.	http://www.greenbuilder.com/sourcebook/contents.html
T.R.E.E.S. Project, by Trans-Agency Resources for Environmental and Ecological Sustainability	Design for retrofit of LA as a living watershed. BMPs for industrial sites, commercial buildings, schools, apartments and single-family homes.	http://www.treepeople.org/trees/
Countywide Drainage Area Management Plan, by the Orange County Stormwater Program (CA)	Small-scale development source pollutant prevention and treatment measures, for new development or redevelopment.	http://www.oc.ca.gov/pfrd/envres/stormwater/damp/index.htm
The Environmental Principles for Golf Courses in the Untied States, by Golf Course Superintendents Association of America	Planning and siting, design, construction, maintenance, and facility operations BMPs. Developed by multiple agencies.	http://www.gcsaa.org/resource/environ/envirprin.html

Bibliographies

Title / Source	Description	Web Link
Best Nonpoint Source Documents, by the U.S. EPA	Bibliography of NPS documents for agriculture, forestry, marina, urban, stream restoration, monitoring, and funding.	http://www.epa.gov/owow/nps/bestnpsdocs.html
The Practice of Watershed Protection, by the Center for Watershed Protection	Comprehensive compilation of 150 articles from all past issues of the Center's journal, Watershed Protection Techniques.	http://www.stormwatercenter.net/Library/Practice_Articles.htm
Annotated Bibliography of Nonpoint Source Literature, by WATERSHEDDS, the North Carolina State Univ. Water Quality Group	Searchable bibliography of NPS articles.	http://h2osparc.wq.ncsu.edu/biblio/
Nonpoint Source NEWS-NOTES, by Terrene Institute in cooperation with EPA.	Bimonthly bulletin covers developments in the assessment and management NPS pollution.	http://www.terrene.org/

Selected Stormwater Journal Articles

Title / Source	Description	Web Link
Stormwater.Journal	"The Journal for Surface Water Quality Professionals"	http://www.forester.net/sw.html
Planning is Key to MS4 Success as Deadline Nears	"Understanding your community's water-quality issues is the first step to meeting EPA's maximum-extent-practicable standard."	http://www.forester.net/sw_0109_planning.html
Best Management Practices: Preparing for the Next Decade	"As communities add thousands of new BMPs, they need to keep objectives and secondary effects in sight."	http://www.forester.net/sw_0111_best.html
The Right BMPs? Another Look at Water Quality	An evaluation of common urban stormwater BMPs.	http://www.forester.net/sw_0011_right.html
Stormwater Control Using a Watershed Management Plan	"Integrated efforts to address physical, chemical, and biological watershed components are leading to improved water quality in Michigan's Rouge River."	http://www.forester.net/sw_0111_stormwater.html
Designing Stormwater User-Fees: Issues and Options	"Calculating stormwater utility rates and getting the public to accept them can be challenging. Here's how seven communities have handled it."	http://www.forester.net/sw_0111_designing.html
A Clean Sweep to Swipe Pollutants	"Street sweeping captures nonpoint source pollutants–but when, where, and how often to do it?"	http://www.forester.net/sw_0106_clean.html

Watershed Groups and Information

Title / Source	Description	Web Link
North Coast Watershed Assessment Program, by Calif. Resources Agency and partners	Interagency watershed assessment program for California's north coast, to support watershed protection and planning at the project level.	http://www.ncwatershed.ca.gov/
River Network	Information and services for grassroots river and watershed conservation groups.	http://www.rivernetwork.org/
Watershed Support Program, by For the Sake of the Salmon	Information for watershed groups; includes list of watershed groups in CA, OR and WA.	http://www.4sos.org
Information Center for the Environment (ICE), by Univ. of Calif. Davis	Database of CA watershed groups, searchable by county, or by alphabetical listings.	http://endeavor.des.ucdavis.edu/groups
Watershed Academy Web, by U.S. EPA	Online watershed management training and certificate program, with distance learning modules.	http://www.epa.gov/watertrain/

Watershed Groups and Information, continued

River Links, by International Rivers Network	List of U.S. river and watershed organizations by state, sorted by zip code.	http://66.70.142.135/index.asp?id=links/main.html
*Surf Your Wa*tershed, by U.S. EPA	Click on CA map to find information about specific watersheds, including TMDLs.	http://www.epa.gov/surf/
Water Quality Planning Tool, by Calif. State Univ. Sacramento	Map of California watersheds showing hydrological subareas, impaired waterbodies, runoff estimates, and more.	http://www.stormwater.water-programs.com/indexfinal.htm
Total Maximum Daily Load Program, by the U.S. EPA	Map showing impaired water bodies in California.	http://www.epa.gov/owow/tmdl/atlas/statepdfs/ca.pdf