

NEWPORT BAY WATERSHED - WATERSHED ACTION PLAN STRATEGY TABLE - GENERAL ACTIVITIES

ACTION	PROGRESS REPORT (2005-06)	ACTION PLAN SCHEDULE (2006-07)	TIMEFRAME	PARTNERS	
NB-1 Encourage participation in watershed meetings.					
NB-1a	Actively participate in Newport Bay Watershed Permittee meetings, including: 1) Newport Bay Watershed Management 2) Permittee specific meetings	The Newport Bay Watershed Permittee meetings met: 1) Newport Bay Watershed Management Committee: generally met the third Wednesday of every month. 2) Permittee specific meetings: Two meetings were held.	Attend meetings -ongoing.	Ongoing / long term.	Watershed Cities County of Orange OC Flood Control District The Irvine Company Irvine Ranch Water District (IRWD)
NB-2 Enhance the extent of public participation in watershed issues.					
NB-2a	Focus on providing opportunities for participation in watershed activities.	The following public participation events were posted on the www.ocwatersheds.com website: 1) Coastal & Inner Coastal Watershed Clean-up Day a) Upper Newport Bay at Peter & Mary Muth Interpretive Ctr b) Shellmaker Island c) Newport Beach d) Corona Del Mar State Beach e) Crystal Cove State Park 2) Snap Shot Day a) Upper Newport Bay at Peter & Mary Muth Interpretive Ctr 3) Earth Day a) Newport Bay Naturalists & Friends' Earth Day Celebration b) Earth Day at Upper Newport Bay 4) Children's Water Festival	Continue to host and/or participant in events which provide an appropriate venue to disseminate environmental education focused on constituents of concern.	Ongoing / long term.	Watershed Cities County of Orange OC Flood Control District
NB-3 Educate the public regarding priority water quality issues.					
NB-3a	Provide information to the public on the state of Water Quality conditions in the watershed.	1) The California Sustainable Wetland Information Manager (CalSWIM) website (http://www.calswim.org) that allows for forecasting and nowcasting of bacteria in the Newport Bay Watershed was developed and launched. 2) Development of assessment of "State of the Bay" reporting, to be more accessible to the public.	1) Modify CalSWIM website to allow for more frequent updates of data. 2) Post "State of the Bay" report on the www.ocwatersheds.com website.	Ongoing / long term.	Watershed Cities County of Orange OC Flood Control District UCI
NB-3b	Use Permittee's websites as an informational tool to educate the watershed's businesses and residents.	Convey constituent of concern-specific public education materials and information on Permittees websites. The following pollutant specific information has been provided electronically for posting on Permittee's websites: 1) <i>Help Prevent Ocean Pollution: Tips for Pet Care</i> 2) <i>Help Prevent Ocean Pollution: Tips for Horse Care</i> 3) <i>Help Prevent Ocean Pollution: Tips for Landscape & Gardening</i> 4) <i>Green Thumb Blue Ocean Newsletter</i> 5) <i>Keeping Your Car and the Environment Sparkling Clean Newsletter</i> 6) <i>Trash PSA</i> 7) <i>General Pollutant PSA</i>	Ongoing 1) Continue to make technical reports and findings accessible to the public. 2) Continue to provide information in formats compatible for website posting.	Ongoing / long term.	Watershed Cities County of Orange OC Flood Control District
NB-4 Update and report on plans and policies.					
NB-4a	Review Local Implementation Plan (DAMP/LIP), Watershed Action Plan (DAMP/WAP) and other applicable plans annually to update focus on constituents of concern.	1) Prepare DAMP/WAP. 2) Update DAMP/LIP.	1) Report on progress on DAMP/WAP and update as needed. 2) Report on DAMP/LIP Program as they relate to constituents of concern.	Annually / long term.	Watershed Cities County of Orange OC Flood Control District Other
NB-5 Evaluate water quality data to identify new constituents of concern.					

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NB-5a	Evaluate County water quality monitoring data and other data available to us (data from SCWRP, UCI, etc.).	Reviewed current water quality data as it pertains to identified constituents of concern.	Continue to review current water quality data on constituents of concern.	Ongoing / long term.	Watershed Cities County of Orange OC Flood Control District SCWRP UCI
NB-6	Identify opportunities to implement controls addressing the priority water quality issues of concern on a Watershed Cooperative basis				
NB-6a	Reduce urban runoff from over-irrigation. Landscape irrigation is a major contributor to dry weather flows, both as surface runoff and subsurface seepage that ultimately drains into the storm drain system.	Investigated reports of urban runoff, educated the public regarding the connection between urban runoff & ocean pollution, and provided notices of problems to parties found over-irrigating.	Continue to investigate, educate, and provide notices. Provide new technologies in conjunction with water agencies (such as SmarTimers) and look for opportunities to reduce runoff in public infrastructure.	Ongoing / long term.	Watershed Cities County of Orange OC Flood Control District Water Suppliers
NB-6b	Support actions to implement Natural Treatment System by IRWD.	Worked on agreements, permits, etc. with IRWD regarding their use of public infrastructure to implement the Natural Treatment System.	Continue to coordinate with IRWD regarding the development and implementation of a Natural Treatment System.	Ongoing / long term.	Watershed Cities County of Orange OC Flood Control District IRWD
NB-6c	Identify potential drainage system retrofit opportunities within the watershed.	Identified publically-owned lands and public projects where regional improvements could be implemented.	Continue to identify public lands and project projects where regional improvements could be implemented.	Ongoing / long term.	Watershed Cities County of Orange OC Flood Control District

NEWPORT BAY WATERSHED - WATERSHED ACTION PLAN STRATEGY TABLE - FECAL COLIFORM

ACTION		PROGRESS REPORT (2005-06)	ACTION PLAN SCHEDULE (2006-07)	TIMEFRAME	PARTNERS
NB-fc1 Identify approaches and opportunities for addressing fecal coliform.					
NB-fc1a	Implement Urban Source Characterization Study with UCI's Chemical Engineering and Materials Science Department (Study will also address natural sources).	Initiated Urban Source Characterization Study with UCI.	1) Complete study. 2) Begin development of Source Management Plan.	1) Complete study in Feb 2007. 2) Complete Source Management Plan in Feb 2008 (if the timeframe in the grant is approved).	County of Orange UCI State Board Regional Board TMDL Funding Partners
NB-fc1b	Implement Shellfish Harvesting Beneficial Use Assessment.	Coordinated with the Regional Board to refine direction of the program.	1) Complete confirmation beneficial use surveys. 2) Conduct environmental control modeling.	Complete assessment by June 2007	TMDL Funding Partners
NB-fc1c	Health Care Agency (HCA) Fecal Coliform TMDL monitoring (conducted on behalf of TMDL partners).	Coordinated with HCA for the collection of weekly samples at 34 locations throughout the Newport Bay.	Conduct in-depth statistical analysis of data collected.	Submit annual report in September. Monitoring ongoing.	Health Care Agency County of Orange TMDL Funding Partners
NB-fc1d	Provide information to the public on the state of Water Quality conditions in the watershed, specific to fecal coliform.	Coordinated with UCI in the development of the California Sustainable Wetland Information Manager (CalSWIM) database, which can forecast and nowcast fecal coliform into the Bay.	Continue to support the CalSWIM database.	Long term / ongoing.	Watershed Cities County of Orange OC Flood Control District UCI
NB-fc2 Implement controls/BMPs for addressing fecal coliform.					
NB-fc2a	Install, stock, or provide bag dispensers for collection and disposal of dog fecal waste parks in the Newport Bay watershed. Canine feces are a source of bacteria.	Permittees provided and stocked doggy bags dispensers at select parks (need determined by Permittee) in Newport Bay Watershed. Park signs explain the need for park users to pick up their pet waste.	Continue stocking dispensers and adding additional dispensers as need is identified.	Ongoing.	Watershed Cities County of Orange OC Flood Control District
NB-fc2b	Develop a program for affirmative response and containment for sanitary sewer overflows (SSOs) in collaboration with sanitation agencies.	1) Implemented a demonstraton program (Tustin Area Spill Containment [TASC]) that addressed pre-planning, management and coordination, development of implementation tool, determination of containment points and public education and outreach. 2) Finalized the MOU between the County and the Orange County Sanitation District. 3) Finalized contracts with contractors.	Continue to seek experience from real-life incident clean-ups and expand geographical area of the program.	Ongoing.	Watershed Cities County of Orange OC Flood Control District OC Sanitation District

NEWPORT BAY WATERSHED - WATERSHED ACTION PLAN STRATEGY TABLE - SEDIMENT

ACTION		PROGRESS REPORT (2005-06)	ACTION PLAN SCHEDULE (2006-07)	TIMEFRAME	PARTNERS
NB-s1 Identify approaches and opportunities for addressing sediment. [Note: Sediment studies conducted do not necessarily relate to urban activities.]					
NB-s1a	Coordination with federal and State agencies on the dredging of Newport Bay.	The Dredge and Disposal Plan for the Upper Newport Bay Ecosystem Restoration Project was approved as well as the schedule. The County of Orange will coordinate update meetings with the Corps, Coastal Conservancy, Fish and Game, NMFS, and Fish and Wildlife Service and the contractor.	County to continue to facilitate coordination meetings as needed.	Ongoing until completion of dredging project.	Watershed Cities County of Orange OC Flood Control District Army Corps of Engineers US Fish and Wildlife Coastal Conservancy CA Fish and Game NMFS
NB-s1b	Implement Regional Monitoring Program (99-74).	1) Annual monitoring at 8 stations in watershed. 2) Submitted annual report in Feb 2006. 3) Scour surveys in three in-channel basins.	1) Continue sediment deposition monitoring in the watershed. 2) Submit annual report in Feb 2007.	Ongoing.	Watershed Cities County of Orange OC Flood Control District The Irvine Company
NB-s1c	Identify and abate sediment source as part of implementation of the Serrano Creek Stabilization Project.	Developed a plan of action on how to do an interim stabilization plan.	Complete study of identification of sediment source.	Long term.	Watershed Cities County of Orange OC Flood Control District Irvine Ranch Water District
NB-s1d	Implement study on Historical Sediment Transport Rates.	Initiated study of historical sediment transport rates.	Report on progress of study.	Long term.	Watershed Cities County of Orange OC Flood Control District The Irvine Company
NB-s1e	Implement Borrego Fluvial Modeling Study.	Defined scope of study.	Work with the State on obtaining grant funding to conduct the study.	Ongoing/long term.	Watershed Cities County of Orange OC Flood Control District The Irvine Company
NB-s2 Implement controls/BMPs for addressing sediment.					
NB-s2a	Maintain detention basins to 50% capacity.	Conducted surveys of sediment deposition and updated channel erosion study map.	Conduct surveys and maintain basins as needed.	Ongoing/long term.	Watershed Cities County of Orange OC Flood Control District The Irvine Company

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ACTION		PROGRESS REPORT (2005-06)	ACTION PLAN SCHEDULE (2006-07)	TIMEFRAME	PARTNERS
NB-n1 Identify approaches and opportunities for addressing nutrients.					
NB-n1a	Implement Regional Monitoring Program.	1) Conducted annual monitoring at stations in the watershed. 2) Developed quarterly reporting template and submitted to the Regional Board for review.	1) Continue to conduct monitoring. 2) Finalize quarterly reporting template with Regional Board. 3) Submit quarterly reports.	Ongoing.	Watershed Cities County of Orange OC Flood Control District Regional Board
NB-n1b	Implement NSMP Program.	1) Developed conceptual model for nitrogen in the watershed. 2) Prepared draft "Report on Sources and Loads of Nitrogen in the Newport Bay Watershed." 3) Conducted assessment for BMPs survey. 4) Initiated a study of fresh water algal study. 5) Identification of data gaps. 6) Created a bibliography of existing studies.	Continue implementation of NSMP program.	Ongoing through 2009.	Watershed Cities County of Orange OC Flood Control District NSMP Working Group
NB-n1c	Implement Urban Nutrient Study (Prop 13 Grant-funded study).	Completed Urban Nutrient Study.	Review and assess results to identify how to move forward with recommendations.	Ongoing/no timeframe.	Watershed Cities County of Orange OC Flood Control District TMDL Partners
NB-n1d	UCCE Outreach	Coordinated with UCCE in assessment of data of nutrient usage within the watershed. Provided targeted guidance through UCCE's existing programs.	Continue coordination and outreach in collaboration with UCCE.	Ongoing.	Watershed Cities County of Orange OC Flood Control District UCCE
NB-n1e	Implement Prop 13 Dissolved Oxygen & Macro Algae Study.	Completed data collection and analysis.	Submit draft and final reports.	Draft report to be submitted on July 31, 2006; Final report to be submitted on October 31, 2006.	Watershed Cities County of Orange SCCWRP IRWD

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ACTION		PROGRESS REPORT (2005-06)	ACTION PLAN SCHEDULE (2006-07)	TIMEFRAME	PARTNERS
NB-t1 Identify approaches and opportunities for addressing toxics.					
NB-t1a	UCCE Outreach / Review OP pesticide use and seek alternatives.	Coordinated with UCCE to evaluate usage of OP pesticides in the Newport Bay Watershed.	Continue to coordinate with UCCE to evaluate specific use of OP pesticides in the watershed and look for opportunities and trends in substitute pest management/controls.	Ongoing.	Watershed Cities County of Orange OC Flood Control District UCCE
NB-t1b	Implement NSMP Program.	<ol style="list-style-type: none"> 1) Developed conceptual model for selenium in the watershed. 2) Prepared final "Report on Sources and Loads of Selenium in the Newport Bay Watershed." 3) Survey of BMPs and treatment technologies. 4) Initiated preliminary monitoring effort. 5) Identification of data gaps. 6) Created a bibliography of existing studies. 7) Implemented BMP quick start program. 8) Assessment of selenium speciation analytical methods. 	<ol style="list-style-type: none"> 1) Continue implementation of NSMP Program. 2) Decide on whether to initiate site-specific objective for selenium. 	Ongoing.	Watershed Cities County of Orange OC Flood Control District NSMP Working Group
NB-t1c	Conduct a study of organochlorine issues.	Select cities of the Newport Bay watershed funded and led a study of organochlorine issues in the watershed. The first phase involved a literature review.	Pending results of literature review and approval, determine next steps to develop a work plan to carry out an organochlorine study.	Ongoing.	City of Irvine City of Tustin Lennar Irvine Company Tustin Legacy Partners
NB-t1d	Initiate a study to identify presence of legacy pesticides in fluvial sediment (PRISM Grant).	Conducted stormwater and dry-season sampling of sediment to detect presence of legacy pesticides.	Report of sampling and study results.	Ongoing.	Watershed Cities County of Orange OC Flood Control District TMDL Partners State Board
NB-t1e	Collaboration with SWAMP Pyrethroid Study	Provided comments on Study work plan.	Potential collaboration with SWAMP to conduct the pyrethroid study.	One to two years.	Watershed Cities County of Orange OC Flood Control District

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