

Thurston County Projects and Programs in the Budd/Deschutes Watershed  
November 2011

<b>Project Title</b>	<b>Brief Description</b>	<b>Update</b>
Shoreline Master Program Update	State-mandated update of Shoreline Plan for areas surrounding major water bodies; including environmental assessment and update of regulations. Comprehensive update of Thurston County Shoreline Master Program for compliance with the 2003 updated SMP guidelines. Due in 2011, but targeted for 2010.	Thurston County's Shoreline Master Program update is in progress. A draft Shoreline Inventory, Analysis and Characterization report has been completed and is posted on the Thurston County SMP web page at: <a href="http://www.co.thurston.wa.us/PLANNING/shoreline/shoreline_home.htm">http://www.co.thurston.wa.us/PLANNING/shoreline/shoreline_home.htm</a>  Preliminary identification and mapping of Shoreline Environmental Designations are also posted with the DRAFT Shoreline Environmental Designation Report. Over the next year, draft policies and regulations will be developed along with the Cumulative Impacts report and Restoration Plan. Public involvement will be encouraged and facilitated through additional outreach and meetings.
Drainage Design and Erosion Control Manual 2009 update	Project will update the County's drainage manual to meet the equivalency requirements of the 2005 DOE Manual as mandated in the NPDES Phase II permit. The draft manual is scheduled to have final draft completed in October 2008, with final adoption in the spring of 2009.	The County updated the drainage manual in accordance with the Phase II NPDES permit in 2009. The 2009 DDECM was adopted by the BOCC on August 17, 2009 with an effective date of November 16, 2009. As required in the new NPDES Phase II Stormwater permit, TC anticipate adopting an updated drainage manual
Drainage infrastructure data collection project	Collect field data to adequately identify the characteristics of the County's stormwater drainage systems. The data collected will represent all attributes of the facilities, conveyances and contributing areas. Project began April 2008. The County's NPDES regulated area is anticipated to be completed by December 2011, with full project completion due over the next several years.	The county has completed the infrastructure data collection on the west side of Budd Inlet and should have the infrastructure on the east side within the NPDES regulated area by November 2011. Stormwater infrastructure mapping will be completed for all of the NPDES regulated area by the end of 2011. In 2012, TC Stormwater will develop a strategy and begin collecting data for the rural stormwater facilities.
Ambient Monitoring	On-going monthly stream monitoring for water quality at 3 sites on the Deschutes River and 11 tributaries.	Ambient water quality monitoring is ongoing, on a monthly basis, at the 3 Deschutes sites, 5 tributaries to Budd Inlet and 5 tributaries to the river.
Critical Areas Ordinance update	This CAO update was part of the 2004 comprehensive plan update. It has been delayed as County staff has been directing their efforts towards addressing GMA compliance appeals and Growth Mgt. Hearing Boards decisions. A draft went out for public review in the fall of 2004. The Thurston County Planning Commission is reviewing the document in response to large public comment and anticipates that the second review draft will be available for presentation to the Thurston County Board of	The process for updating the 1994 version of the county's Critical Areas Ordinance is well underway. In October 2010, the Thurston County Planning Department held a series of community open houses to discuss updates to the Ordinance and prairie habitat protections. Since that time, the Department has been working on a draft ordinance that takes into consideration the concerns and ideas presented by residents. The following web page features the chapters that have been drafted thus far:

	Commissioners by the end of 2008.	<a href="http://www.co.thurston.wa.us/PLANNING/critical_areas/criticalareas-chapters.html">http://www.co.thurston.wa.us/PLANNING/critical_areas/criticalareas-chapters.html</a>  These draft chapters have been, or will be, presented to the Planning Commission for review and work sessions over the next several months. When the draft chapters are completed, the Planning Commission and the Board of County Commissioners will each hold public hearings on the potential amendments to the Critical Areas Ordinance. The public will be notified when the complete draft CAO is available and of any hearings once they are scheduled. It is anticipated this will be sometime in the second half of 2011. Interested individuals are welcome to sign up for the Department's web mail service to receive updates by e-mail. Sign up is located at: <a href="http://www.co.thurston.wa.us/PLANNING/contact/constant_contact.html">http://www.co.thurston.wa.us/PLANNING/contact/constant_contact.html</a>
Cooper Point Park	Development of a 32-acre park site on the Cooper Point peninsula. Provides upland passive recreational opportunities and controlled access to Budd Inlet. Date of completion anticipated for 2014, depending on funding.	The 32 acre Cooper Point Park project is currently listed in the CFP for 2016 development. The property has not had any improvements/Master Planning completed to-date. The project will remain in the next version of the CFP for 2016.
Tamoshan Beach Front Sewer Collection System Improvement	Eliminate and relocate gravity sewer main and lift station from beach. Complete engineering drawings by 2009, seek funding by 2010, construct project by 2014.	The engineering drawings are complete and funding has been identified. Right-of-entry agreements from the effected property owners are pending. Once those are completed, the county will go out for bid. It is expected that construction will be completed in 2011.
Rich Road Roadway Improvements	Re-align roadway to meet current design standards. Project timeline 2009-2010	Phase I (Deschutes River Bridge to 87 <sup>th</sup> Ave) to be constructed summer of 2012 and Phase II (87 <sup>th</sup> Ave to Normandy Dr) tentatively to be constructed summer of 2014.
Budd Inlet Sediment Investigations (2007 & 2008) – participation by TC Public Health and Social Services	The Department of Ecology is investigating sediments in lower Budd Inlet to find out the extent of contamination with dioxins/furans and other toxics of environmental and public health significance. Thurston County Public Health and Social Services (TCPHSS) is involved along with the Department of Health's Environmental Health Assessment program to evaluate the sampling results, make recommendations to Ecology, and provide public health information to the public. Phase 2 was completed in March 2008 (comments on study allowed through June 17, 2008). Additional investigations and sampling are proposed.	<p>In October 2010, Thurston County Public Health and Social Services (County Health) sampled in Budd Inlet. The goal of this study is to determine if dioxins in sediments at Priest Point Park public access areas are a risk to human health.</p> <p>In 2007 Ecology did a sediment study in Budd Inlet. DOH evaluated the results of that study and concluded that there was no apparent health hazard for people exposed to Budd Inlet sediments. DOH did recommend collecting more samples in public access areas, specifically Priest Point Park beaches.</p> <p>County Health collected 30 samples from surface sediments (top 10 centimeters) at 15 locations along Priest Point Park beaches. Dioxin levels ranged from <b>0.091 to 4.8 parts per trillion (ppt)</b>.</p>

		These levels are lower than the average level of dioxin Ecology found during the 2008 Sediment Investigation. The average dioxin level in Budd Inlet surface sediments was 19.1 ppt.
BEACH program	The marine water at Priest Point Park, Burfoot County Park, Seashore Villa Community Beach and Fiddelhead and Swantown Marinas, and West Bay Park were sampled during the summer as part of the BEACH program to assess conditions for water contact recreation. Priest Point and the marinas were sampled in 2004. Seashore Villa was sample in 2005. Burfoot Park was sampled in 2004, 2006, 2008, 2009, 2010, and 2011. The new West Bay Park was sampled in 2011.	Priest Point Park shoreline has a permanent water recreation advisory.
Deschutes Watershed Toxics Education	<p>ongoing toxics reduction activities include:</p> <p>Point-of-purchase program which distributes approximately 20,000 Common Sense Gardening guides, oil, paint, green cleaning, Protect Kids from Toxins, IPM prescriptions and other publications each year at 50 retail and community sites.</p> <p>Direct contact to approximately 4,500 people each year through workshops, presentations, school programs, participation in community fairs and events, and training to retail garden center staff, Master Gardeners, Master Recyclers, and other volunteer groups.</p> <p>Tens to hundreds of thousands of indirect contacts through newspaper and newsletter articles, website, displays, and media campaigns as budget &amp; priorities allow.</p> <p>Thurston County participates in regional education and awareness programs such as Project GREEN which focuses on school-age children and StreamTeam which focuses on community members (mostly adult). Activities include volunteer water quality monitoring, annual GREEN Student Congress, teacher workshops, community workshops, special events, and revegetation projects.</p>	Clear Choices for Clean Water provides incentives for residents who take actions to improve water quality. Currently there is only funding to implement the program in the Henderson and Nisqually Shellfish Protection Districts, though we have county-wide materials prepared.
On-site Sewage System Management Plan	New plan adopted by the Thurston County Board of Health in January 7, 2008. Includes a strategy for identifying areas where OSS pose a significant public health risk and for establishing operation, maintenance and permitting standards for OSS within those areas Budd Inlet is identified in the management plan as an area that should be evaluated to determine if it should be	The identification of sensitive areas as described in Thurston County's On-Site Management Plan has not been implemented due to limited funding and staffing levels.

	classified as a sensitive area.	
On-site Sewage System Operation and Maintenance Program	The on-site sewage system operation and maintenance program requires routine inspection of alternative-type systems and reporting to the county health department.	
On-site sewage system financial assistance program	The county health department administers a homeowner financial assistance program offering low interest loans and grants to repair failing on-site sewage systems or abandon the system and connect to sewer where possible.	
On-site Education and Outreach program		Educational workshops about septic system maintenance are on-hold pending funding. A septic display including take-home brochures gets set-up through-out the county at special events and at host sites.
Watershed Characterization Grant	Thurston County Water Resources Program and GeoData staff completed the Deschutes Watershed Characterization report in early 2011. It provides options and recommendations for preservation and restoration of natural resource sites within the context of the landscape, as well as, local priorities. The report can be found at <a href="http://www.co.thurston.wa.us/stormwater/chara/chara-deschutes.html">http://www.co.thurston.wa.us/stormwater/chara/chara-deschutes.html</a>	
In lieu Fee	This grant-funded project will identify and acquire a parcel appropriate for implementing an In-Lieu-Fee program. The property acquisition is a joint effort with the Capitol Land Trust and Thurston County.	The property owner has withdrawn the initial parcel from consideration. Project staff are evaluating other sites for suitability.
Stream Discharge & Precipitation Monitoring	TC Water Resources monitoring program maintains a number of gaging and precipitation stations throughout the County. Several of these stations are in partnerships with the Cities of Olympia, Lacey and USGS. Please see the website for site specific information.	<a href="http://www.co.thurston.wa.us/monitoring/">http://www.co.thurston.wa.us/monitoring/</a>
Silver Springs Organics Composting Facility Upgrade	County Health is working with Ecology, and Olympic Region Clean Air Agency to require facility upgrades to address a variety of issues including odor and the management of leachate. The facility generated more leachate than the storage pond could handle so that the operator would periodically use leachate to irrigate nearby fields during wet season. Ecology ordered this practice to stop effective 10/31/11.	Operations have been scaled back greatly while Silver Springs goes through permitting process to upgrade facilities. New facility will have roofed composting areas and will separate leachate and stormwater management systems. A closed loop system will be built that should eliminate the need to discharge or irrigate with leachate.
Thurston Regional Planning Council – Sustainable Development Project	In October 2010, U.S. Department of Housing and Urban Development awarded a \$1.5 Million grant award to the Thurston Regional Planning Council to create a Regional Plan for Sustainable Development. This program is part of a new HUD initiative to create stronger, more sustainable communities by connecting housing to jobs, fostering local innovation and	

	building a clean energy community. The plan will include sustainable actions for drinking water, waste water, and stormwater. Thurston County representatives are participating in this project.	
Marina Waste	Ongoing collection and monitoring of homeowners marina hazardous waste (live a boards and marina garages)	The county has hazardous waste drop boxes at the three largest marinas and continuously monitors and removes boat related hazardous waste from live a boards and boat owners with shelters at the marinas.
Pharmaceuticals	Ongoing collection and monitoring of pharmaceuticals from individuals thru the placement of prescription box boxes.	The county monitors 7 prescription drop boxes that are serviced by the local police and sheriff's departments. For the year 2010 the boxes collected over 2000 lbs. From January thru July 2011, the boxes have collected over 2000 lbs.
Medical Offices Technical Assistance	Conducted technical assistance to Medical facilities that use x ray machines.	An ongoing process of accepting silver fixer from the facilities and refining it to pay for the operation of the silver recovery units. There has been documented decrease in the mercury and silver of LOTT's influent, effluent and biosolids.
Technical Assistance Campaigns	Conducted technical assistance (TA) campaigns to document on businesses located within ¼ mile of the shoreline.	Document inspections on how a business is handling and disposing of hazardous waste. Conduct a separate TA on marina's to document how the tenants are handling and disposing of hazardous waste.