

Jefferson County Public Health – Planned Performance Measures 2013

WATER QUALITY DEPARTMENT

MISSION: The mission of the Water Quality Department is to protect public health by monitoring and responding to threats to water quality for protection of human health and wildlife habitat by using available local, state, and federal funding effectively and efficiently.

This department implements the following strategic objectives for the 2013 Budget:

- Addressing locally identified public environmental health issues.
- Protecting and ensuring adequate clean water supplies for citizens, the shellfish industry and wildlife.
- Protecting and enhancing natural resources.
- Operating within a business plan based on sustainable resources, measured performance, and outstanding customer service.

Goal	Objective	Task	Performance Measure	2010 Actual	2011 Actual	2012 Actual	2012 Projected	2013 Projected
Goal 1: Recreationalists at popular lakes such as Anderson Lake, Gibbs Lake and Lake Leland will be increasingly aware of toxic algae threats to human and animal health.	Monitor all lakes with public access weekly from April through September for toxins.	Sample public access lakes for presence/absence of algae blooms and biotoxins.	# of lakes monitored for cyanobacteria	3	6	6	6	6
	Maintain and improve JCPH water quality webpage and other outreach activities.	Update website with pertinent information when found.						
Goal 2: Better understand water quality trends for parameters such as fecal coliform, dissolved oxygen and temperature.	Use funds awarded by the state Centennial Clean Water Fund to carry out Clean Water projects.	Sample existing water quality stations for fecal coliform, dissolved oxygen and temperature and conduct trend analysis.	# of marine water quality stations monitored	17	17	9	0	0
	Monitor stream flow data from high priority streams.		# of water quality stations monitored: Chimacum Creek	28	0	28	28	0
			# of water quality stations monitored: Salmon & Snow Creeks	19	19	0	0	19
			# of water quality stations monitored: Hood Canal watershed	0	0	18	18	17
			Miles of shoreline surveyed for pollution	77	89	45	45	40
			# of stream gauges maintained	8	7	0	0	0

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Goal 3: High priority sites for pollution identification and correction will be identified and corrected.	Condition, status and use of approximately 300 more septic systems will have been surveyed in project areas.	Conduct educational outreach to septic system owners in the form of sanitary surveys of septic systems.	# of sanitary surveys completed	241	418	--	300	300
	Goal 3.5: Land use and its effects on water quality in project areas will be better understood.	Investigate public complaints about water quality or septic systems within 72 hours. Incorporate agricultural survey data from JCCD into sanitary survey process.	Update PIC protocol and sanitary survey form.	Pass/Fail	--	--	--	Pass
Goal 4: Improve Leland Creek habitat and water quality.	Initiate Leland Creek restoration actions.	Choose a site on Leland Creek to conduct restoration activities.	Pass / Fail	--	--	--	--	Pass
Goal 5: Residents in eastern Jefferson County will be more aware of project activities and actions they can take to protect water quality in their neighborhood.	Prepare reports on the status and trends of water quality in Jefferson County.	Send newsletters to project area residents.	# of newsletters mailed	1,450	6,000	12,000	12,250	1,000
	Maintain and improve JCPH water quality webpage and other outreach activities.	Distribute literature in person during fieldwork. Post informational materials, water quality results and reports on website.	# of water quality reports posted on JCPH webpage	0	1	5	6	1
Goal 6: Recreationalists at Jefferson County marine beaches will be notified of the status of water quality in a timely and efficient manner.	Monitor water quality at public swimming beaches on a weekly basis during the swimming season to protect public health. Continue public education on the importance of clean water in Jefferson County	Take water samples of marine beaches and test for water quality Interact with the public and partners in order to efficiently deliver information Issue press releases when	# of swimming beaches monitored	3	6	3	3	3

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	focusing on actions citizens can take to keep our water clean and productive.	relevant information needs to quickly disseminated.						
Goal 7: The public will stay informed about the safety of recreational shellfish beaches relative to biotoxin threats and will be educated on emerging threats such as Diarrhetic Shellfish Poisoning.	Organize a volunteer network of shellfish samplers to monitor for shellfish biotoxins in a timely and cost effective manner. Coordinate with Washington Department of Health to communicate risks from the recreational harvest of shellfish to the public. Maintain and improve JCPH water quality webpage and other outreach activities.	Take shellfish samples from marine beaches and test for biotoxins. Interact with the public and partners in order to efficiently deliver information. Issue press releases and post signs when relevant information needs to quickly disseminated. Update website with pertinent information when found.	# of beaches monitored for shellfish safety	7	7	7	7	7
Goal 8: Stormwater inputs into Port Townsend Bay will be better known.	Monitor stormwater discharges to Port Townsend Bay for pathogens.	Conduct Pollution Identification and Control activities in program areas.	# of shoreline stormwater outfalls screened for pollution	0	0	0	0	6
Goal 9: Clean Water District activities will be evaluated for effectiveness and recommendations for future work will be made.	Clean Water District Advisory Council meetings will be held and evaluation and recommendations submitted to the Board of County Commissioners. Use funds awarded by the state Centennial Clean Water Fund to carry out Clean Water projects.	Facilitate Clean Water District Advisory Council Meetings.	# of Clean Water District Advisory Council meetings held	0	0	2	4	2

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PERFORMANCE INDICATORS:

2006	2007	2008	2009	2010	2011	2012	2013
Actual	Actual	Actual	Actual	Actual	Actual	Projected	Planned

Lakes monitored for cyanobacteria	9	9	9	4	3	6	6	6
Water quality stations monitored: Chimacum Creek	0	40	40	28	28	0	28	0
Water quality stations monitored: Salmon & Snow Creeks	0	17	0	19	19	19	0	19
Water quality stations monitored: Hood Canal watershed	0	0	0	0	0	0	18	17
Miles of shoreline surveyed for pollution	N/A	5	49	76	77	89	45	40
Marine water quality stations monitored	N/A	7	7	7	17	17	9	0
Sanitary surveys completed	N/A	N/A	N/A	259	241	418	300	300
Beaches monitored for shellfish safety	7	7	7	7	7	7	7	7
Swimming beaches monitored	0	2	3	4	3	6	3	3
Stream gauges maintained	8	8	9	8	8	7	0	0
Clean Water District Advisory Council meetings held	0	0	0	0	0	0	4	2