

COMPLETED MATRIX 3-4-09

Note: This document tracks which action steps have been completed, the task that an action step is part of may or may not be completed, read both matrixes to determine if a task is complete . Lead Agencies underlined

10-08-09 Oakland Bay Action Plan Strategy Completed Tasks

Objectives and Tasks	Action Steps	Lead Agency/Partners	Performance Measures	Timeline	Product/Outcome	Fund Source & amount (include intra-agency funding)
Objective 1: Identify Responsible Lead Agencies, Action Steps and Performance Measures						
Develop closure response plan	Write draft plan Distribute updated drafts final draft	<u>MCPH</u> , other agency partners & landowners		Met 2007	Compliance with amended RCW 90.72.045	EH Program budgeted staff work load redirected to Oakland Bay
Designation of Oakland Bay as "area of special concern" or "marine protected area"	1st draft of On-Site Plan	<u>BOCC</u> , MCPH		Met 2007	Designation included in On-Site Plan as required by WAC 246-272A	DOH, Puget Sound Counties initiative
	Draft to DOH & public for comments			Met 2008		
	On-Site Plan adopted			Met 2008		

Objective 2: Identify District Boundaries, Oversight and Finance

Adopt ordinance creating the District	CRP committee provide recommendations to BOCC Adopt district boundaries	<u>BOCC</u> , MCPH		Met 2007		EH 2007 budget for EH staff time
Develop & adopt a system of oversight	Agree on principals of oversight Form Oakland Bay Board Establishment of advisory committee Committee establishes by-laws	<u>BOCC</u> through organizational principals agreed to by group		Met 2008	Oakland Bay Closure Response Committee provides inter-jurisdictional oversight of district	BOCC and MCPH
Investigate septic or sewer options in Oakland Bay area	Consultant assessing feasibility of septic or sewer district	<u>MCUWM</u>	Report provided to MCUWM	Met 2008	Infrastructure planing	

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Objective 3: Develop and implement Public/Private partnerships, public education and involvement and evaluation plans for Closure Response Plan Development

Develop new educational materials and a public involvement plan regarding water quality in Oakland Bay	Hire consultant	MCD, <u>WSU</u> , Sea Grant, MCPH, other educational working group members & members & MCUWM		Met 2008	Educate public about water quality & the CRP process outcome: community support, public comment & education	MCPH contributed funding to hire a part time professional through WSU
	Develop notices, fliers, postcards, a letter & a notice for the MC website			Met 2008		
	Closure response public outreach meeting			Met 10/8/2008		
	Develop public information & education piece of Western Estuaries Initiative Grant; identified tasks within this to execute, including workshops, conservation planning & technical assistance, BMP implementation, & Low Impact Development technical assistance			Met 2008		
	Final Oakland Bay Social Marketing Plan-ask Emily first			Oct-09		

Objective 4: Monitor Water Quality, Conduct Shoreline and Upland Surveys, and Conduct Research

Additional North Oakland Bay circulation study	Design study # 1	DOH, <u>SIT</u>		Met 2008	Understand the circulation patterns under flood tide & windy conditions	
Research need for other special studies	Research	<u>SIT</u> , DOH		Met 2008		
	form subcommittee on ad-hoc basis for recommendations			Met 2008		
	Implement studies			Met 2008		
Freshwater sampling	MCD, BMP sampling started Dec. 2006	<u>SIT</u> , MCPH & MCD		Met 4/08	Pollution identification	EH 2007 budget, EY grant EPA/DOH grants
MST data	Sampling completed 11/2006	EPA, <u>SIT</u> , DOH, EY	Design a 2008 follow up to the 2006 MST study to assess changes in FC sources	Met 2008	Report on sources of human/ruminant sources of bacteria at sample stations	EPA

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Final sampling report-report provided, goes in completed matrix						
Marine sampling	Determine if non-point identification & remediation have improved marine water quality in Oakland Bay enough to re-open/ keep open portions of Oakland Bay for shellfish harvesting	<u>DOH</u> , MCPH. Taylor	Increase from 12 to 30-35 samples a year 2008 changed to 12 sample runs a year DOH will sample small tribs at North monthly	Met 2007 Met 2008 Met 2008	Systematic random sampling of stations: additional studies	DOH, MCPH
Sediment study & aquaculture BMP sampling	Design study	<u>SIT</u> , Shellfish industry	Results given to CRC	Met 2008	Investigate role of sediment as a bacteria incubator or amplifier	SIT. EPA
	Establish a weather station at Bayshore- Pioneer school- move to completed matrix					

Objective 5: Identify and Remediate Agricultural Sources

Identify all sites with livestock & poultry	Update existing inventory to identify number of parcels with livestock or poultry	<u>MCD</u>	updates w/inventory & GIS map revision as needed: 2/08, 9/08	Met 2008	GIS map of inventory	
Contact all livestock & poultry operations	Targeted mailing Public meeting	<u>MCD</u>	Direct mailing twice yearly 9 workshops in 2008	Met 2008		Centennial Grant. Cost share & technical assistance available
Require any application for a new agriculture building permit to either: (1) request a permit fee exemption by developing a farm plan with MCD or (2) to submit a standard fee & application for a MC Environmental Permit as part of the permit process.	Develop regulation Adopt regulation	DCD, <u>MCD</u>	MCD will assist DCD Track & report to DCD	Not Met	Permit application & fee waiver request submitted w/MCD letter or MEP submitted Waiver concept failed. No regulation was developed.	
Develop conservation plan for farmers	Design BMP's Implement BMP's	<u>MCD</u>	Conservation plans	Met 2008 Met 2008	BMP's that protect water quality	Centennial Grant. Cost share &
Anaerobic Digester construction	Find funding	<u>MCD</u>	Collect & process organic wastes from	Met 2008	Make the Anaerobic Digester available as a waste reduction tool in the watershed	2.5 million in loans

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Objective 6: Identify and Remediate OSS Sources

Parcel Research	Merge parcel data into O & M database Create list of all named stream parcels, all marine shoreline parcels & other parcels to import to O & M database GPS all large storm water culverts that input to the bay Create a GIS layer	<u>MCPH</u>	Inventory of all closure area parcels in O & M database, searchable by stream, shoreline or upland designation	Met 2007 Met 2007 Met 2007	O & N database can be used to determine complaint with O & M and target areas for investigative work education or other outreach	EH 2007 budget
Oss Sanitary Surveys- Marine shoreline, stream & upland	Use DOH shoreline SS as base Review records	<u>MCPH</u>		Met 2007 & 2008	Outcome-to eliminate potential source of OSS FC pollution	EH 2007 Budget
Dye tracing as required by sanitary survey results, complaint investigation results or unsatisfactory maintenance reports	Dye traces will be prioritized according to department policy for sanitary surveys & complaints. # depends on number of sites identified	<u>MCPH</u>	100% follow up with sampling & referral to enforcement as needed	Met 2007 & 2008	OSS will be confirmed or eliminated as failing dye test.	EH budget
Regular O & M notification, monitoring, recording & follow-up for all OSS	Notify all septic system users of septic system maintenance schedule according to system type Record responses in O&M database	<u>MCPH</u>	100% of residents notified of O & M requirements Record monthly as received	Met 2008 Met 2008	Contact shellfish protection District residents about new O & M requirements & provide routine program activities in the area. Septic users notified of O & M requirements. Maintenance activities are recorded, monitored & follow-up is provided	OSS program
Enforcement of OSS code	Update of enforcement policies	<u>MCPH</u>	Enforcement of new state code begun	Met	Improved enforcement	OSS program

Upgrade o components of existing OSS	Develop proposal for O&M improvement project (risers, alarms & effluent filters, etc.)	Sea Grant, <u>MCPH</u>	Proposal to pilot O&M improvements	Met 2008	OSS function better due to system improvements & ease of doing O&M.	WEI Grant
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	Find funding for O&M improvements project.		Apply for Centennial/other grants	Met 2008	No funding 2007	
Regular O & M notification, monitoring, recording & follow-up for all OSS	Contact all Clean Water District residents about O&M requirements	MCPH		Met 2009		OSS program funding
	Rewrite of regulations. Mandatory O & M requirements for homesales			2/24/2009		

Objective 7: Identify and Remediate other sources

Shelton WWTP source reduction is additional treatment	Upgrade treatment plant	<u>COS</u>	Design consultant hired	Met 2008		
			Fund treatment plant upgrade	Met 2008		
Pet waste control	Research pet waste station needs	<u>Sea Grant</u> , COS, MCPH		Met 2008	observations and ideas of locations given verbally to group	COS, MC

Objective 8: Identify Land Use Policies and other Statutory Interventions that will Protect, Restore and Preserve

Property acquisition into conservancy	Evaluate feasibility & approaches	<u>DCD</u> , Capitol Land Trust, PSP		Met 2008	Two properties acquired in 2008	TBD, potential grant sources
Develop incentives for: (1) natural shoreline protection including reduction of existing hard armoring (2) shoreline reparation & other buffer enhancement with native plantings	Explore different approaches for providing homeowner incentives for natural shoreline, reparation & other buffer protection & enhancement, such as property tax incentives, Research & identify potential funding sources & approaches	<u>DCD</u> , MCD	MCD held 1 native plant workshop in 2008	Not met	Not funded & not feasible Requires action by legislature before property tax incentives could be considered	To be identified, potentially through the legislature
			MCD prepared & distributed a brochure/mailer for shoreline/stream side landowners in 2008	Met 2008		
			MCD prepared 9 conservation plans focused on restoration in 2008	Met 2008		
Small Parcel Storm Water Site Plan requirements	MCPW has developed them, DCD intake staff to be trained in reviewing applications	<u>DCD</u>	Implemented fall 2008	Met 2008	The Storm Water Site Plan is a condition of the permit Onsite inspection is variable	DCD, permit center (no funds available to evaluate due to budget cuts)
	MCD can provide BMP technical assistance	MCD	MCD will provide technical assistance to landowners requesting assistance with BMP implementation	Met 2008	Small Parcel Stormwater BMP implementation	
County wide stormwater ordinance	Developed by consultant (OTAK)	<u>MCUWM</u>	TBD MCPW	Met 2008	Adopted stormwater plan for Allyn & Belfair	MCPW

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Adopt MC Stormwater Management Ordinance	Adopted by BOCC			Met 6/17/2008	Adoption of ordinance #81-08 forming a stormwater & surface water utility	
City develop revised stormwater plan	The city will be finished by the end of the year	<u>COS</u>	TBD city	Met Jan 2008	Revised stormwater plan adopted	COS
Enhanced stormwater code enforcement	DCD & MCPW to clearly identify internally which dept. is responsible for enforcing stormwater regulations & provide stricter enforcement	<u>MCUWM</u>		2007-2008	Improved stormwater practices on parcels where stormwater violations exist	COS
Small Parcel Storm Water Site Plan requirements	MCPW has developed them, DCD intake staff to be trained in reviewing applications	<u>DCD</u> , MCD		Met 2009		Squaxin WEI grant through 9/2012; MC Stormwater Implementation Grant through 4/2011

Objective 9: Key Enforcement Elements (Note: Enforcement tasks may be found in other parts of this table. These tasks have been given a separate objective because they are considered critical to the success of the Closure Response Plan.)

Nonpoint ordinance & stormwater enforcement	Project research & scoping; EH, DCD,PW, MCUWM, discuss how inclusive of nonpoint sources ordinance should be & if ordinance is to be developed as part of the comp plan,	<u>MCPH</u> , DCD, MCPW, <u>MCUWM</u> , BOCC	Research local nonpoint ordinances	Met 2008	Agency budget
	Write, review, & revise			Met 6/1/2008	
	Draft review			Met 7/15/2008	
	Adopt			Met 9/1/2008	

LIST OF ACRONYMS

APS= Oakland Bay Action Plan Strategy
 BMP= Best Management Practices
 BOCC = Mason County Board of County Commissioners
 COS= City of Shelton
 CRP= Closure Response Plan
 DCD = Mason County Department of Community Development
 DOH = Washington Department of Health

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ECY = Washington Department of Ecology

EH= Mason County Public Health Environmental Health Program

EPA = United States Environmental Protection Agency

GIS= Geographic Information System

MCD = Mason Conservation District

MCPH = Mason County Public Health

MCPW = Mason County Public Works

MCUWM= Mason County Utilities and Wastewater Management

NP= Non-point

O & M = Operation and Maintenance

OSS= On- site sewage system

PSP= Puget Sound Partnership

Sea Grant= Washington State Sea Grant, University of Washington

SIT = Squaxin Island Tribe

TMDL= Total Maximum Daily Load

WSDA = Washington State Department of Agriculture

WSU = Washington State University Mason County Extension

WQ= Water Quality

Note:

In the event any portion of this plan is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such portions shall be deemed a separate provision of this plan and such designation shall not affect the validity of