

Annas Bay Shellfish Closure Response Strategy - Matrix (1-17-07)

Objectives and Tasks	Lead Agency/Partners	Timeline	Fund Source	Product/Outcome	Status
Planning, Coordination and Reporting					
Adopt ordinance creating the Annas Bay Shellfish Protection District	MCPH	Completed	General revenues, Skokomish Annas Bay Restoration Study Grant	Annas Bay Shellfish Protection District	Completed 2/14/06
Develop shellfish closure response strategy	MCPH, participating agencies	Initial 1/06, Final by 01/07	General revenues	Final closure response strategy, updated as needed	Draft produced by MCPH 1/06 for SFPD briefing; work continuing to develop a more complete strategy.
Regular meetings of coordinating group.	MCPH, participating agencies	On-going	Skokomish Annas Bay Restoration Study Grant	Coordination of Closure response strategy, updates on action items	Last meeting on 11/16/06 next meeting on 1/23/07
Reporting intervals and formats (maybe different for different interests)	MCPH	Quarterly report to Ecology	Skokomish Annas Bay Restoration Study Grant	updates on action items	First quarterly report on 9/30/06 next report due on 12/31/06
Coordination with Skokomish River cleanup plan	MCD, MCPH, Ecology	On-going	TMDL grant, Skokomish Annas Bay Restoration Study Grant	Coordination of action items, Comprehensive watershed implementation	First joint TMDL/Annas Bay Shellfish Closure Response Committee meeting on 1/23/06
Education and Outreach					
Hood Canal Watershed Education Network	WSU Extension	On-going	General revenues	Educational program coordination, targeted outreach efforts	Last Meeting on 11/9/06 next meeting on 1/11/07
Shore Stewards Education	WSU Extension, MCPH	On-going	General revenues, Skokomish Annas Bay Restoration Study Grant	Coordinate information dispersal on Shore Stewards and Hood Canal Watershed Pledge	On-going
Pet Waste Education	MCD, MCPH, SKOK, UW Sea Grant	On-going	General revenues	Dog waste bag stations, Homeowner education on proper pet waste disposal	On-going
Pamphlet for WDFW fishing regulations	UW Sea Grant		General revenues	Prepare pamphlet on use of proper sanitary facilities	
Signage at popular fishing sites	MCD	On-going	General revenues	Talk w/ local property owners about displaying signs about proper human waste disposal	On-going
Septic Socials	UW Sea Grant, MCPH	On-going	General revenues, Skokomish Annas Bay Restoration Study Grant	Gather area residents for septic tank on-site informational meeting	
K-12 Water Quality education	MCD, MCPH, North Mason and Hood Canal Schools	On-going	Skokomish Annas Bay Restoration Study Grant	Water Quality Educational programs for Hood Canal area schools	On-going

Monitoring and Special Studies					
Water Quality Monitoring	MCPH, SKOK, DOH	On-going	General revenues, Skokomish Annas Bay Restoration Study Grant	Pollution Identification and monitoring of fecal coliform	MCPH Monitoring Annas Bay shoreline since 10/05/05
Water Quality Monitoring	MCD	completed	General revenues	Sample for TMDL compliance	Completed 10/22/06
Water Quality Monitoring coordination	MCPH, SKOK, MCD, DOH	On-going	General revenues, Skokomish Annas Bay Restoration Study Grant	Coordinate sampling to reduce duplication of efforts and increase comparable data	On-going DOH sample Annas Bay 1/29/07 MCPH sample shoreline 1/29/07
Annas Bay Circulation Study	DOH	Completed	General revenues	Circulation Study of Annas Bay Report and map	Completed 5/22/06
Seasonality fecal coliform trends	DOH	Completed	General revenues	Research seasonality of fecal coliform levels in DOH marine samples	Completed 12/14/05
Temperature and Dissolved Oxygen Survey of Skokomish Delta	SKOK	Completed	General revenues	Map of outer Skokomish delta W/ Temperature and DO results	Completed 10/25/05
Webb Hill loading potential report	EPA	Completed	General revenues	Report on the Potential loading of nitrates and other contaminants to Hood Canal	Completed 6/20/06
Projects					
Hoodsport-Skokomish Sewage treatment	SKOK, PUD, MCCD, WA Parks	On-going	Hood Canal Coordinating Council grant	Discussions on Sewage treatment options in Hoodsport-Skokomish corridor	Next Public Meeting on 1/31/07
Skokomish Anaerobic Digester	MCD	Completed by end of summer 2007	\$500,000 appropriation from Gov. Gregoire	Development of Anaerobic digester for livestock waste treatment	Design 30% complete
Skokomish Fish Compost	SKOK	On-going	Ecology Grant?	Management of Compost facility for salmon carcass treatment	On-going
Webb Hill Monitoring Well construction and Hydrogeologic Characteristics report	WRIA 16, EPA, USGS, DOE, MCPH, MCCD, SKOK, Biorecycling Corp.	Completed by June 30, 2007	Ecology operating budget – watershed planning money	Hydrogeologic investigation of Biosolids application site on Webb Hill. Monitoring wells will be constructed	Must be completed by June 30, 2007 due to State biannual budget cutoff
Onsite Sewage Systems					
Sanitary Surveys of Annas Bay shoreline residences	MCPH	On-going	Skokomish Annas Bay Restoration Study Grant	Sanitary Surveys of Annas Bay shoreline residences	12 owners contacted 2 septic systems dye tested 2 refused dye test 1 confirmed failure
Sanitary Surveys of Skokomish Reservation Residences	SKOK	On-going	EPA grant	Sanitary Surveys of Skokomish Reservation Residences	On-going

Parcel Research	MCPH	On-going	Skokomish Annas Bay Restoration Study Grant	Utilize Mason County databases to investigate OSS along shorelines	On-going
Field Parcel Research	MCPH, UW SeaGrant	On-going	Skokomish Annas Bay Restoration Study Grant	Determine full/part time residency along Shoreline of Annas Bay	On-going
Septic pumper survey	MCPH	On-going	Skokomish Annas Bay Restoration Study Grant	Contact area septic tank pumpers on work in area	On-going
Agriculture					
Best Management Practices (BMP) for farmers	MCD	On-going	General revenues	Help prepare farm plans for BMP utilization	On-going
Information Gaps					
Septic Loans	Shore Bank/ HCCC??			Low interest loans for repair/replacement of OSS	
Stormwater Runoff	MCCD			County-Wide Stormwater management plan	
Microbial Source Tracking	SKOK ??			Possible E-coli microbial source tracking project with student interns from The Evergreen State College	

SKOK = The Skokomish Tribe
 MCPH = Mason County Public Health
 MCCD = Mason County Community Development
 MCD = Mason Conservation District
 PUD = Mason County Public Utility District #1
 HCCC = Hood Canal Coordinating Council
 DOH = Washington Department of Health
 DOE = Washington Department of Ecology
 WA Parks = Washington State Parks
 WRIA 16 = Water Resource Inventory Area 16 (Skokomish-Dosewallips)
 EPA = U.S. Environmental Protection Agency
 USGS = U.S. Geologic Survey