

Example Threat Reduction Objectives for Puget Sound  
for Leadership Council Discussion October 8, 2009

Draft Threat Reduction Objective	Draft Performance Measure	Draft Target	Existing measure/ standard in code or other?	Action Agenda Strategic Priority	Comments
<b>Growth and development</b>					
TBD about focusing growth in desired urban areas	TBD	TBD	No	A	
TBD about less development in ecologically vulnerable areas (no net loss)	TBD	TBD	No	A	
By 2012, no new essential public facilities and other public infrasture are sited with channel migration zones.	TBD	TBD	No	A	
By 2020, natural flood storage capacity in floodplains has increased to account for highly likely hydrologci regimes resulting from the effects of climate change.	TBD	TBD	No	A	
<b>Freshwater flow and water withdrawals</b>					
By 2020, per capita residential water use across the PS Basin declines to an average use of ___ gallons per day	Residential water use per capita	___ gallons per capita per day	No	A	must go with the one below
By 2020, water withdrawals and diversions from rivers, lakes and wetlands are reduced from the 200_ baseline such that the total number of uses and volume of water extracted do not contribute to impaired habitat quality.	Total volume of water diversted	TBD	No	A	Would be based on forthcoming PEP standards for impairment
<b>Restoration</b>					
By 2020, all mainstem dams have been structurally modified to provide appropriate fish passage.	# of dams removed or with appropriate fish passage	TBD	No	B	

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By 2020, at least X miles of shoreline in appropriate areas do not have barriers to nearshore processes (e.g., no shoreline armoring).	# miles of marine shoreline in appropriate areas without shoreline armoring	TBD	No	B	
By 2020, x acres of estuarine habitat is restored	X acres of estuarine habitat	TBD	Yes, EPA measure of 3500 acres restored btwn 2007 and 2012	B	Need to verify basis for EPA number
By 2020, x acres of floodplain habitat restored	x acres of floodplain habitat	TBD	No	B	
<b>Invasive species</b>					
By 2016, all ballast water is treated and all treated ballast water is free of invasive species	% of ballast water treated % of ballast water free of invasives	100% of ballast water	No	A	
<b>Wastewater and onsite sewage</b>					
By 2010, total acreage of shellfish beds open to commercial or recreation harvest increased by at least 10,000 acres as compared to 2007 levels	# of acres of shellfish beds that have been upgraded for commercial or recreational harvest	10,000 acres net increase	Yes. Linked to an existing EPA goal for 1,000 acres by 2012	C	Need to verify basis for EPA number

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By 2020 ___ WWTPs have X% reduction in nutrient loading.	# of WWTPs with X% reduction in nutrient loading	X% reduction		C	Needs to be written to address volume, concentration and vulnerability of receiving waters
<b>Stormwater runoff from the built environment</b>					
By 2020, runoff from 100% of new development projects will mimic the natural forested hydrologic conditions of the site before development occurred.	% of new development projects where runoff mimics the natural forested hydrologic conditions of the site before development occurred	100% of new development projects	No	C	
By 2020, runoff volume from retrofitted existing development will be reduced by at least X%.	% reduction in runoff volume from existing developed sites	TBD	No	C	
By 2020, 100% of industrial permittees comply with permit requirements that meet or exceed water quality standards established under the Clean Water Act.	% of industrial permittees that comply with their permit requirements	100% of industrial permittees	No	C	

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By 2020, 100% of construction permittees comply with permit requirements that meet water quality standards established under the Clean Water Act.	% of construction permittees that comply with their permit requirements	100% of construction permittees	No	C	
By 2020, 100% of municipal permittees comply with permit requirements that meet water quality standards established under the Clean Water Act.	% of municipal permittees that comply with their permit requirements	100% of municipal permittees	No	C	
Adoption rates of LID requirements % of LID in new development permits					