

# Final 1998 Section 303(d) List - WRIA 17

<b>Water Name</b>	ADMIRALTY INLET (OUTER)		
<b>Parameter</b>	Dissolved Oxygen	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-PS-0130
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	17
<b>Township</b>		<b>Waterbody Grid #</b>	48122B8I4
<b>Range</b>		<b>Grid Latitude</b>	48.185
<b>Section</b>		<b>Grid Longitude</b>	122.845
<b>Basis for Consideration of Listing</b>	24 excursions beyond the criterion out of 49 samples (49%) at Ecology ambient monitoring station ADM002 between 9/91 and 9/96.;		
<b>Remarks</b>	These excursions beyond the criterion are a natural condition due to the influence of upwelled deep Pacific Ocean water based on the 6/97 judgement of Jan Newton (Dept. of Ecology)		

<b>Water Name</b>	BIG QUILCENE RIVER		
<b>Parameter</b>	Fecal Coliform	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	EL58TS	<b>Old Segment ID #</b>	WA-17-1010
<b>Stream Route #</b>	3.694	<b>Water Resource Inventory Area</b>	17
<b>Township</b>	27N	<b>Waterbody Grid #</b>	
<b>Range</b>	02W	<b>Grid Latitude</b>	
<b>Section</b>	22	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	1 excursion beyond the criterion out of 12 samples (8%) at Ecology ambient monitoring station 17A070 (RM 2.6) between 9/91 and 9/96.		
<b>Remarks</b>	A single excursion beyond criterion does not meet the Water Quality Program policy for listing.		

<b>Water Name</b>	BIG QUILCENE RIVER		
<b>Parameter</b>	Fish Habitat	<b>Mediu</b>	Habitat
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> Other Control
<b>New Segment ID #</b>	EL58TS	<b>Old Segment ID #</b>	WA-17-1010
<b>Stream Route #</b>	0.018	<b>Water Resource Inventory Area</b>	17
<b>Township</b>	27N	<b>Waterbody Grid #</b>	
<b>Range</b>	01W	<b>Grid Latitude</b>	
<b>Section</b>	19	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	<p>The following references document habitat alterations: Mayte et al. 1994 , several habitat quality scores of 'poor' and 'fair' according to the TFW watershed analysis manual threshold. The following references document impairment of characteristic uses: SASSI, 1993., Summer Chum stock are critical and Coho stock are depressed. The following references document human-caused contribution to the habitat alterations: Maybe et al. 1994, impacts to fish habitat from timber harvest, residential development, excessive roading, levee construction, and illegal dredging activities.</p>		
<b>Remarks</b>			

<b>Water Name</b>	BIG QUILCENE RIVER		
<b>Parameter</b>	Instream Flow	<b>Mediu</b>	Habitat
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> Other Control
<b>New Segment ID #</b>	EL58TS	<b>Old Segment ID #</b>	WA-17-1010
<b>Stream Route #</b>	3.694	<b>Water Resource Inventory Area</b>	17
<b>Township</b>	27N	<b>Waterbody Grid #</b>	
<b>Range</b>	02W	<b>Grid Latitude</b>	
<b>Section</b>	22	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	<p>Matye, et al. 1994. , documents flows collected at 5 USGS gauging stations near Big Quilcene RM 2.7, fish instream flow needs, and human-caused contributions. Hosey and Associates, 1985., documents fish instream flow needs. Morgan and Lutz, 1995., documents fish instream flow needs. SASSI, 1993., Summer Chum stock are critical and Coho stock are depressed. Cook-Tabor, 1994., documents human-caused contributions. Lichatowich, 1993. , documents human-caused contributions. Jamestown S'Klallam Tribe, 1994. , documents human-caused contributions.</p>		
<b>Remarks</b>			

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**Water Name**

**Parameter**  **Mediu**

**Place on 1998 List?**  **Listed in 1996**  **Action Needed**

**New Segment ID #**  **Old Segment ID #**

**Stream Route #**  **Water Resource Inventory Area**

**Township**  **Waterbody Grid #**

**Range**  **Grid Latitude**

**Section**  **Grid Longitude**

**Basis for Consideration of Listing**

**Remarks**

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**Water Name**

**Parameter**  **Mediu**

**Place on 1998 List?**  **Listed in 1996**  **Action Needed**

**New Segment ID #**  **Old Segment ID #**

**Stream Route #**  **Water Resource Inventory Area**

**Township**  **Waterbody Grid #**

**Range**  **Grid Latitude**

**Section**  **Grid Longitude**

**Basis for Consideration of Listing**

**Remarks**

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**Water Name** CHIMACUM CREEK

**Parameter** Temperature **Mediu** Water

**Place on 1998 List?**  Yes **Listed in 1996**  Yes **Action Needed** TMDL

**New Segment ID #** JD02NV **Old Segment ID #** WA-17-3010

**Stream Route #** 0.963 **Water Resource Inventory Area** 17

**Township** 29N **Waterbody Grid #**

**Range** 01W **Grid Latitude**

**Section** 14 **Grid Longitude**

**Basis for Consideration of Listing** Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 5 excursions beyond the criterion out of 23 samples (22%) at East Chimacum Creek RM 1.0 (WDF#17.0205) between 1992 and 1994.

**Remarks**

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**Water Name** CHIMACUM CREEK

**Parameter** Fecal Coliform **Mediu** Water

**Place on 1998 List?**  No **Listed in 1996**  Yes **Action Needed** None

**New Segment ID #** MB88JL **Old Segment ID #** WA-17-3010

**Stream Route #** 2.062 **Water Resource Inventory Area** 17

**Township** 29N **Waterbody Grid #**

**Range** 01W **Grid Latitude**

**Section** 03 **Grid Longitude**

**Basis for Consideration of Listing** Two excursions beyond the lower criterion (but not the upper criterion) at Ecology ambient monitoring station 17B070 on 10/25/93 and 11/21/93.

**Remarks** The data does not meet the Water Quality Program policy for listing. According to this policy, two samples cannot be used to compute a geometric mean, so they apply to the upper criterion. Both samples were below the upper criterion.

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**Water Name** CHIMACUM CREEK

**Parameter** Temperature **Mediu** Water

**Place on 1998 List?**  Yes **Listed in 1996**  Yes **Action Needed** TMDL

**New Segment ID #** MB88JL **Old Segment ID #** WA-17-3010

**Stream Route #** 5.735 **Water Resource Inventory Area** 17

**Township** 29N **Waterbody Grid #**

**Range** 01W **Grid Latitude**

**Section** 14 **Grid Longitude**

**Basis for Consideration of Listing** Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 15 excursions beyond the criterion out of 23 samples (65%) at Chimacum Creek RM 3.5 (WDF#17.0203) between 1992 and 1994.

**Remarks**

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**Water Name** CHIMACUM CREEK

**Parameter** Temperature **Mediu** Water

**Place on 1998 List?**  Yes **Listed in 1996**  Yes **Action Needed** TMDL

**New Segment ID #** MB88JL **Old Segment ID #** WA-17-3010

**Stream Route #** 14.975 **Water Resource Inventory Area** 17

**Township** 28N **Waterbody Grid #**

**Range** 01W **Grid Latitude**

**Section** 09 **Grid Longitude**

**Basis for Consideration of Listing** Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 15 excursions beyond the criterion out of 23 samples (65%) at Chimacum Creek RM 8.8 (WDF#17.0203) between 1992 and 1994.

**Remarks**

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<b>Water Name</b>	CHIMACUM CREEK		
<b>Parameter</b>	Fecal Coliform	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	MB88JL	<b>Old Segment ID #</b>	WA-17-3010
<b>Stream Route #</b>	5.735	<b>Water Resource Inventory Area</b>	17
<b>Township</b>	29N	<b>Waterbody Grid #</b>	
<b>Range</b>	01W	<b>Grid Latitude</b>	
<b>Section</b>	14	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Two excursions beyond the upper criterion at Ecology ambient monitoring station 17B100 on 10/25/93 and 11/21/93.		
<b>Remarks</b>			

<b>Water Name</b>	DABOB BAY AND QUILCENE BAY		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-17-0010
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	17
<b>Township</b>		<b>Waterbody Grid #</b>	47122H8E5
<b>Range</b>		<b>Grid Latitude</b>	47.745
<b>Section</b>		<b>Grid Longitude</b>	122.855
<b>Basis for Consideration of Listing</b>	Eleven excursions beyond the criterion at Ecology ambient monitoring station HCB002 between 1985 and 1987.		
<b>Remarks</b>	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 6/97 judgement of Jan Newton (Dept. of Ecology). Mistakenly included in the decision matrix old segment WA-17-0020 based on these data. The station HCB002 does not represent that water segment as it lies well within the old segment WA-17-0010.;		

<b>Water Name</b>	DABOB BAY AND QUILCENE BAY		
<b>Parameter</b>	Fecal Coliform	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-17-0010
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	17
<b>Township</b>		<b>Waterbody Grid #</b>	47122I8C5
<b>Range</b>		<b>Grid Latitude</b>	47.825
<b>Section</b>		<b>Grid Longitude</b>	122.855
<b>Basis for Consideration of Listing</b>	Department of Health Prohibited Commercial Shellfish Area in Quilcene Bay based partially on data from station 19 that exceed the criterion (from the Annual Growing Area Review ending December 1996).		
<b>Remarks</b>			

<b>Water Name</b>	DABOB BAY AND QUILCENE BAY		
<b>Parameter</b>	pH	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-17-0010
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	17
<b>Township</b>		<b>Waterbody Grid #</b>	47122H8E5
<b>Range</b>		<b>Grid Latitude</b>	47.745
<b>Section</b>		<b>Grid Longitude</b>	122.855
<b>Basis for Consideration of Listing</b>	One excursion beyond the criterion at Ecology ambient monitoring station HCB002 on 9/15/87.		
<b>Remarks</b>	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing. Also, this excursion beyond the criterion has not been repeated and there is no evidence that direct human caused influence is significant based on the 6/97 judgement of Jan Newton (Dept. of Ecology). Mistakenly included in the decision matrix old segment WA-17-0020 based on these data. The station HCB002 does not represent that water segment as it lies well within the old segment WA-17-0010.;		

<b>Water Name</b>	DISCOVERY BAY		
<b>Parameter</b>	pH	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-17-0040
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	17
<b>Township</b>		<b>Waterbody Grid #</b>	48122A8B4
<b>Range</b>		<b>Grid Latitude</b>	48.015
<b>Section</b>		<b>Grid Longitude</b>	122.845
<b>Basis for Consideration of Listing</b>	Three excursions beyond the criterion at Ecology ambient monitoring station DIS001 during 1991.		
<b>Remarks</b>	These excursions beyond the criterion have not been repeated and there is no evidence that direct human caused influence is significant based on the 6/97 judgement of Jan Newton (Dept. of Ecology).		

<b>Water Name</b>	DISCOVERY BAY		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-17-0040
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	17
<b>Township</b>		<b>Waterbody Grid #</b>	48122A8B4
<b>Range</b>		<b>Grid Latitude</b>	48.015
<b>Section</b>		<b>Grid Longitude</b>	122.845
<b>Basis for Consideration of Listing</b>	Four excursions beyond the criterion at Ecology ambient monitoring station DIS001 during 1991.		
<b>Remarks</b>	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 6/97 judgement of Jan Newton (Dept. of Ecology).		

<b>Water Name</b>	DONOVAN CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input checked="" type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	KU90XL	<b>Old Segment ID #</b>	None46
<b>Stream Route #</b>	0.002	<b>Water Resource Inventory Area</b>	17
<b>Township</b>	27N	<b>Waterbody Grid #</b>	
<b>Range</b>	01W	<b>Grid Latitude</b>	
<b>Section</b>	04	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 17 excursions beyond the criterion out of 23 samples (74%) at Donavon Creek RM 0.2 (WDF# 17.0115) between 1992 and 1994.		
<b>Remarks</b>			

<b>Water Name</b>	JACKSON CREEK		
<b>Parameter</b>	Fish Habitat	<b>Mediu</b>	Habitat
<b>Place on 1998 List?</b>	<input checked="" type="checkbox"/> Yes	<b>Listed in 1996</b>	<input checked="" type="checkbox"/> Yes <b>Action Needed</b> Other Control
<b>New Segment ID #</b>	EL02TD	<b>Old Segment ID #</b>	WA-17-1001
<b>Stream Route #</b>	0.075	<b>Water Resource Inventory Area</b>	17
<b>Township</b>	26N	<b>Waterbody Grid #</b>	
<b>Range</b>	02W	<b>Grid Latitude</b>	
<b>Section</b>	14	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	The following references document habitat alterations: Maybe et al. 1994 , several habitat quality scores of 'poor' and 'fair' according to the TFW watershed analysis manual threshold. The following references document impairment of characteristic uses: SASSI, 1993., Summer Chum stock are critical and Coho stock are depressed. The Point No Point Treaty Council submittal letter (dated 2/22/96) states that Coho and Summer Chum salmon stock use Jackson Creek for habitat. Although the documentation cited for showing impaired salmonid stocks (SASSI, 1993) does not specifically show Jackson Creek on the distribution maps, it is reasonable to assume these creeks are used by the stocks affected due to the close proximity to of the creek mouths to the Big Quilcene River. The following references document human-caused contribution to the habitat alterations: Maybe et al. 1994, impacts to fish habitat from timber harvest, residential development, excessive roading, levee construction, and illegal dredging activities.		
<b>Remarks</b>			

<b>Water Name</b>	JOHNSON CREEK		
<b>Parameter</b>	Fecal Coliform	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	BV22BE	<b>Old Segment ID #</b>	WA-17-4000
<b>Stream Route #</b>	0	<b>Water Resource Inventory Area</b>	17
<b>Township</b>	30N	<b>Waterbody Grid #</b>	
<b>Range</b>	03W	<b>Grid Latitude</b>	
<b>Section</b>	27	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Clallam County, 1991. Geo. mean of samples collected near the mouth in 1991 exceed the lower criterion.		
<b>Remarks</b>			

<b>Water Name</b>	LELAND CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	LN92UA	<b>Old Segment ID #</b>	None49
<b>Stream Route #</b>	1.797	<b>Water Resource Inventory Area</b>	17
<b>Township</b>	27N	<b>Waterbody Grid #</b>	
<b>Range</b>	02W	<b>Grid Latitude</b>	
<b>Section</b>	11	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 11 excursions beyond the criterion out of 21 samples (52%) at Leland Creek RM 0.2 (WDF# 17.0077) between 1992 and 1994.		
<b>Remarks</b>			

<b>Water Name</b>	LITTLE QUILCENE RIVER		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	XP04IN	<b>Old Segment ID #</b>	WA-17-2010
<b>Stream Route #</b>	2.988	<b>Water Resource Inventory Area</b>	17
<b>Township</b>	27N	<b>Waterbody Grid #</b>	
<b>Range</b>	02W	<b>Grid Latitude</b>	
<b>Section</b>	11	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 5 excursions beyond the criterion out of 21 samples (23%) at Little Quilcene RM 2.0 between 1992 and 1994.		
<b>Remarks</b>			

<b>Water Name</b>	MARPLE CREEK		
<b>Parameter</b>	Fish Habitat	<b>Mediu</b>	Habitat
<b>Place on 1998 List?</b>	<input checked="" type="checkbox"/> Yes	<b>Listed in 1996</b>	<input checked="" type="checkbox"/> Yes <b>Action Needed</b> Other Control
<b>New Segment ID #</b>	PL66WB	<b>Old Segment ID #</b>	WA-17-1000
<b>Stream Route #</b>	0	<b>Water Resource Inventory Area</b>	17
<b>Township</b>	26N	<b>Waterbody Grid #</b>	
<b>Range</b>	02W	<b>Grid Latitude</b>	
<b>Section</b>	13	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	The following references document habitat alterations: Maybe et al. 1994 , several habitat quality scores of 'poor' and 'fair' according to the TFW watershed analysis manual threshold. The following references document impairment of characteristic uses: SASSI, 1993., Summer Chum stock are critical and Coho stock are depressed. The Point No Point Treaty Council submittal letter (dated 2/22/96) states that Coho and Summer Chum salmon stock use Marple Creek for habitat. Although the documentation cited for showing impaired salmonid stocks (SASSI, 1993) does not specifically show Marple Creek on the distribution maps, it is reasonable to assume these creeks are used by the stocks affected due to the close proximity to of the creek mouths to the Big Quilcene River. The following references document human-caused contribution to the habitat alterations: Maybe et al. 1994, impacts to fish habitat from timber harvest, residential development, excessive roading, levee construction, and illegal dredging activities.		
<b>Remarks</b>			

<b>Water Name</b>	PORT TOWNSEND		
<b>Parameter</b>	Total PCBs	<b>Mediu</b>	Tissue
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-17-0030
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	17
<b>Township</b>		<b>Waterbody Grid #</b>	48122A7I6
<b>Range</b>		<b>Grid Latitude</b>	48.085
<b>Section</b>		<b>Grid Longitude</b>	122.765
<b>Basis for Consideration of Listing</b>	Crececius, et al. 1989. , excursions beyond the criterion in edible fish tissue samples.		
<b>Remarks</b>	<p>The National Toxic Rule criteria apply only to the specific isomers of PCBs. There is not a criterion for Total PCBs. It was an inappropriate application of the standards to apply a measurement containing all PCBs combined to a standard set for only a single component.</p> <p>Recent sampling conducted of the sediments around the Port Townsend Paper Corporation's paper mill outfall (submitted by Al Gould on 10/23/97) show that PCB levels are well below the Sediment Quality Standards criterion. The site also passed all biological confirmatory tests required by the standards.</p>		

<b>Water Name</b>	PORT TOWNSEND AND KILISUT HARBOR		
<b>Parameter</b>	Dissolved Oxygen	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-17-0020
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	17
<b>Township</b>		<b>Waterbody Grid #</b>	48122A7I6
<b>Range</b>		<b>Grid Latitude</b>	48.085
<b>Section</b>		<b>Grid Longitude</b>	122.765
<b>Basis for Consideration of Listing</b>	4 excursions beyond the criterion out of 51 samples (8%) at Ecology ambient monitoring station PTH005 between 9/91 and 9/96		
<b>Remarks</b>	<p>In the 1996 list decision matrix, Jan Newton (Dept. of Ecology) on 4/95 indicated that direct human caused sources are likely having an influence on the observed conditions. After further review of the data, Jan Newton (6/97 judgement) has determined that the excursions are a natural condition due to stratification.</p> <p>Also, the information does not meet the Water Quality Program policy for listing this segment for this parameter.</p>		

<b>Water Name</b>	RIPLEY CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	HK12KN	<b>Old Segment ID #</b>	None45
<b>Stream Route #</b>	0.122	<b>Water Resource Inventory Area</b>	17
<b>Township</b>	28N	<b>Waterbody Grid #</b>	
<b>Range</b>	02W	<b>Grid Latitude</b>	
<b>Section</b>	35	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 8 excursions beyond the criterion out of 21 samples (38%) at Ripley Creek RM 0.2 (WDF# 17.0089) between 1992 and 1994.		
<b>Remarks</b>			

<b>Water Name</b>	SEQUIM BAY		
<b>Parameter</b>	Ammonia-N	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-17-0050
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	17
<b>Township</b>		<b>Waterbody Grid #</b>	48123A0G3
<b>Range</b>		<b>Grid Latitude</b>	48.065
<b>Section</b>		<b>Grid Longitude</b>	123.035
<b>Basis for Consideration of Listing</b>	One excursion beyond the criterion (unionized form computed by STORET) at Ecology ambient monitoring station JDF005 on 4/26/82.		
<b>Remarks</b>	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

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**Water Name**

**Parameter**  **Mediu**

**Place on 1998 List?**  **Listed in 1996**  **Action Needed**

**New Segment ID #**  **Old Segment ID #**

**Stream Route #**  **Water Resource Inventory Area**

**Township**  **Waterbody Grid #**

**Range**  **Grid Latitude**

**Section**  **Grid Longitude**

**Basis for Consideration of Listing**

**Remarks**

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**Water Name**

**Parameter**  **Mediu**

**Place on 1998 List?**  **Listed in 1996**  **Action Needed**

**New Segment ID #**  **Old Segment ID #**

**Stream Route #**  **Water Resource Inventory Area**

**Township**  **Waterbody Grid #**

**Range**  **Grid Latitude**

**Section**  **Grid Longitude**

**Basis for Consideration of Listing**

**Remarks**

<b>Water Name</b>	SEQUIM BAY		
<b>Parameter</b>	Fecal Coliform	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-17-0050
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	17
<b>Township</b>		<b>Waterbody Grid #</b>	48123A0H3
<b>Range</b>		<b>Grid Latitude</b>	48.075
<b>Section</b>		<b>Grid Longitude</b>	123.035
<b>Basis for Consideration of Listing</b>	<p>Department of Health Conditionally Approved Commercial Shellfish Area covers most of the southern portion of this segment. The most recent data from the area shows that fecal coliform standards are being meet at all stations samples (from the Annual Growing Area Review ending December 1996). (Used station 26 to identify grid ID location)</p> <p>Washington Department of Health data (submitted by Eloise Kailin on 8/31/93) show several stations where excursions beyond the lower criterion were measured in 1991 and 1992.</p>		
<b>Remarks</b>	The segment now meets water quality standards.		

<b>Water Name</b>	SEQUIM BAY		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-17-0050
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	17
<b>Township</b>		<b>Waterbody Grid #</b>	48123A0G3
<b>Range</b>		<b>Grid Latitude</b>	48.065
<b>Section</b>		<b>Grid Longitude</b>	123.035
<b>Basis for Consideration of Listing</b>	4 excursions beyond the criterion out of 10 samples (40%) at Ecology ambient monitoring station JDF005 between 9/91 and 9/96.		
<b>Remarks</b>	These excursions are a natural condition with no direct human caused influence due to solar surface heating based on the 6/97 judgement of Jan Newton ( Dept. of Ecology).		

<b>Water Name</b>	SEQUIM BAY		
<b>Parameter</b>	pH	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-17-0050
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	17
<b>Township</b>		<b>Waterbody Grid #</b>	48123A0E0
<b>Range</b>		<b>Grid Latitude</b>	48.045
<b>Section</b>		<b>Grid Longitude</b>	123.005
<b>Basis for Consideration of Listing</b>	<p>0 excursions beyond the criterion out of 2 samples (0%) at Ecology ambient monitoring station JDF007 between 9/91 and 9/96.</p> <p>Listed in 1996 based on 2 excursions beyond the criterion at Ecology ambient monitoring station JDF007 on 3/18/91 and 9/16/91.</p>		
<b>Remarks</b>	The segment now meets water quality standards for pH.		

<b>Water Name</b>	SEQUIM BAY		
<b>Parameter</b>	Dissolved Oxygen	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-17-0050
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	17
<b>Township</b>		<b>Waterbody Grid #</b>	48123A0C0
<b>Range</b>		<b>Grid Latitude</b>	48.025
<b>Section</b>		<b>Grid Longitude</b>	123.005
<b>Basis for Consideration of Listing</b>	Norman Associates (1978) , 1 excursion beyond the criterion at station 018 on 5/18/87.		
<b>Remarks</b>	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

<b>Water Name</b>	SEQUIM BAY		
<b>Parameter</b>	Dissolved Oxygen	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-17-0050
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	17
<b>Township</b>		<b>Waterbody Grid #</b>	48123A0D0
<b>Range</b>		<b>Grid Latitude</b>	48.035
<b>Section</b>		<b>Grid Longitude</b>	123.005
<b>Basis for Consideration of Listing</b>	Norman Associates (1978) , 1 excursion beyond the criterion at station 019 on 5/18/87.		
<b>Remarks</b>	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

<b>Water Name</b>	SEQUIM BAY		
<b>Parameter</b>	Dissolved Oxygen	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-17-0050
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	17
<b>Township</b>		<b>Waterbody Grid #</b>	48123A0D1
<b>Range</b>		<b>Grid Latitude</b>	48.035
<b>Section</b>		<b>Grid Longitude</b>	123.015
<b>Basis for Consideration of Listing</b>	Norman Associates (1978) , 1 excursion beyond the criterion at station 017 on 5/18/87.		
<b>Remarks</b>	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

<b>Water Name</b>	SEQUIM BAY		
<b>Parameter</b>	Dissolved Oxygen	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-17-0050
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	17
<b>Township</b>		<b>Waterbody Grid #</b>	48123A0G2
<b>Range</b>		<b>Grid Latitude</b>	48.065
<b>Section</b>		<b>Grid Longitude</b>	123.025
<b>Basis for Consideration of Listing</b>	Norman Associates (1978) , 1 excursion beyond the criterion at station 028 on 5/18/87.		
<b>Remarks</b>	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

<b>Water Name</b>	SEQUIM BAY		
<b>Parameter</b>	Dissolved Oxygen	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-17-0050
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	17
<b>Township</b>		<b>Waterbody Grid #</b>	48123A0E0
<b>Range</b>		<b>Grid Latitude</b>	48.045
<b>Section</b>		<b>Grid Longitude</b>	123.005
<b>Basis for Consideration of Listing</b>	1 excursion beyond the criterion out of 2 samples (50%) at Ecology ambient monitoring station JDF007 between 9/91 and 9/96.		
<b>Remarks</b>	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

<b>Water Name</b>	SEQUIM BAY		
<b>Parameter</b>	PAHs	<b>Mediu</b>	Sediment
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-17-0050
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	17
<b>Township</b>		<b>Waterbody Grid #</b>	48123A0H4
<b>Range</b>		<b>Grid Latitude</b>	48.075
<b>Section</b>		<b>Grid Longitude</b>	123.045
<b>Basis for Consideration of Listing</b>	Apts and Crecelius, 1993 , sediment levels exceeding AETs.		
<b>Remarks</b>	The confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) have not been applied to the cited data. As such, these stations are not in violation of the standards until this confirmatory designation process for site identification has been completed. This information should not be used for listing the segment based solely on samples that exceed the chemical criteria until the confirmed as sites according to the standards.		

<b>Water Name</b>	SHINE CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	WN32JV	<b>Old Segment ID #</b>	None48
<b>Stream Route #</b>	0.067	<b>Water Resource Inventory Area</b>	17
<b>Township</b>	28N	<b>Waterbody Grid #</b>	
<b>Range</b>	01E	<b>Grid Latitude</b>	
<b>Section</b>	32	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 2 excursions beyond the criterion out of 23 samples (9%) at Shine Creek RM 0.2 (WDF# 17.0181) between 1992 and 1994.		
<b>Remarks</b>	The information does not meet the Water Quality Program policy for listing.		

<b>Water Name</b>	TARBOO CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	KU90XL	<b>Old Segment ID #</b>	WA-17-5000
<b>Stream Route #</b>	0.986	<b>Water Resource Inventory Area</b>	17
<b>Township</b>	28N	<b>Waterbody Grid #</b>	
<b>Range</b>	01W	<b>Grid Latitude</b>	
<b>Section</b>	33	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 3 excursions beyond the criterion out of 24 samples (13%) at East Fork Tarboo Creek RM 0.5 (WDF# 17.0130) between 1992 and 1994.		
<b>Remarks</b>			

<b>Water Name</b>	TARBOO CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	KU90XL	<b>Old Segment ID #</b>	WA-17-5000
<b>Stream Route #</b>	5.906	<b>Water Resource Inventory Area</b>	17
<b>Township</b>	28N	<b>Waterbody Grid #</b>	
<b>Range</b>	01W	<b>Grid Latitude</b>	
<b>Section</b>	20	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 15 excursions beyond the criterion out of 24 samples (63%) at Tarboo Creek RM 2.5 (WDF# 17.0129) between 1992 and 1994.		
<b>Remarks</b>			

<b>Water Name</b>	THORNDIKE CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	TC74NT	<b>Old Segment ID #</b>	None47
<b>Stream Route #</b>	0	<b>Water Resource Inventory Area</b>	17
<b>Township</b>	27N	<b>Waterbody Grid #</b>	
<b>Range</b>	01W	<b>Grid Latitude</b>	
<b>Section</b>	24	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Port Gamble S'Klallam Tribal data (submitted by Peter Bahls on 10/13/97) show 3 excursions beyond the criterion out of 22 samples (14%) at the mouth of the unnamed tributary at Thorndike Creek RM 1.1 (WDF# 17.0171) between 1992 and 1994.		
<b>Remarks</b>			