

# Final 1998 Section 303(d) List -WRIA 14

<b>Water Name</b>	BURNS 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"/> No <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	NO-ID	<b>Old Segment ID #</b>	WA-14-1195
<b>Stream Route #</b>	0	<b>Water Resource Inventory Area</b>	14
<b>Township</b>	19N	<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>	Seiders and Cusimano, 1996. , excursions beyond both criteria from 1992 to 1996 near the mouth of Burns Creek.		
<b>Remarks</b>	There is no WASWIS ID for this segment. The stream drains to Totten Inlet.		

<b>Water Name</b>	BURNS CREEK		
<b>Parameter</b>	pH	<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>	NO-ID	<b>Old Segment ID #</b>	WA-14-1195
<b>Stream Route #</b>	0	<b>Water Resource Inventory Area</b>	14
<b>Township</b>	19N	<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>	Seiders and Cusimano, 1996. , 4 excursions beyond the criteria out of 18 samples (22%) from 1992 to 1996 near the mouth of Burns Creek.		
<b>Remarks</b>	There is no WASWIS ID for this segment. The stream drains to Totten Inlet.		

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<b>Water Name</b>	BURNS 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>	NO-ID	<b>Old Segment ID #</b>	WA-14-1195
<b>Stream Route #</b>	0	<b>Water Resource Inventory Area</b>	14
<b>Township</b>	19N	<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>	Seiders, 1995. , excursions beyond the criterion during 1992 to 1994 near the mouth of Burns Creek.;		
<b>Remarks</b>	There is no WASWIS ID for this segment. The stream drains to Totten Inlet.		

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<b>Water Name</b>	CAMPBELL 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>	BH46CN	<b>Old Segment ID #</b>	WA-14-1850
<b>Stream Route #</b>	1.309	<b>Water Resource Inventory Area</b>	14
<b>Township</b>	20N	<b>Waterbody Grid #</b>	
<b>Range</b>	03W	<b>Grid Latitude</b>	
<b>Section</b>	13	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Brown and Caldwell Consultants, 1990. , multiple excursions beyond the criterion at station 73 (0.5) during 1988.		
<b>Remarks</b>			

<b>Water Name</b>	CAMPBELL 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>	BH46CN	<b>Old Segment ID #</b>	WA-14-1850
<b>Stream Route #</b>	0	<b>Water Resource Inventory Area</b>	14
<b>Township</b>	20N	<b>Waterbody Grid #</b>	
<b>Range</b>	03W	<b>Grid Latitude</b>	
<b>Section</b>	14	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Brown and Caldwell Consultants, 1990. , multiple excursions beyond the criterion at station 70 (RM 0) during 1988.;		
<b>Remarks</b>			

<b>Water Name</b>	CASE INLET AND DANA PASSAGE		
<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-PS-0090
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47122D8F1
<b>Range</b>		<b>Grid Latitude</b>	47.355
<b>Section</b>		<b>Grid Longitude</b>	122.815
<b>Basis for Consideration of Listing</b>	4 excursions beyond the criterion at Ecology ambient monitoring station CSE002 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>	CASE INLET AND DANA PASSAGE		
<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-PS-0090
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47122C8G4
<b>Range</b>		<b>Grid Latitude</b>	47.265
<b>Section</b>		<b>Grid Longitude</b>	122.845
<b>Basis for Consideration of Listing</b>	11 excursions beyond the criterion out of 23 samples (48%) at Ecology ambient monitoring station CSE001 between 9/91 and 9/96.;		
<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>	CASE INLET AND DANA PASSAGE		
<b>Parameter</b>	Fecal Coliform	<b>Mediu</b>	Water
<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> <input type="checkbox"/> TMDL
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-PS-0090
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47122D8G1
<b>Range</b>		<b>Grid Latitude</b>	47.365
<b>Section</b>		<b>Grid Longitude</b>	122.815
<b>Basis for Consideration of Listing</b>	Mason County data (submitted by Wayne Clifford on 8/91) show multiple excursions beyond the criterion at station M12 between 8/1/90 and 8/1/91.;		
<b>Remarks</b>			

<b>Water Name</b>	CASE INLET AND DANA PASSAGE		
<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-PS-0090
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47122D8F1
<b>Range</b>		<b>Grid Latitude</b>	47.355
<b>Section</b>		<b>Grid Longitude</b>	122.815
<b>Basis for Consideration of Listing</b>	1 excursion beyond the criterion at Ecology ambient monitoring station CSE002 on 5/6/91.;		
<b>Remarks</b>	<p>A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.</p> <p>The excursions beyond the criterion at station CSE002 have a sporadic occurrence. There is no evidence that a direct human caused influence is significant based on the 6/97 judgement of Jan Newton (Dept. of Ecology).</p>		

<b>Water Name</b>	CASE INLET AND DANA PASSAGE		
<b>Parameter</b>	Dissolved Oxygen	<b>Mediu</b>	Water
<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> <input type="checkbox"/> TMDL
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-PS-0090
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47122C8G4
<b>Range</b>		<b>Grid Latitude</b>	47.265
<b>Section</b>		<b>Grid Longitude</b>	122.845
<b>Basis for Consideration of Listing</b>	6 excursions beyond the criterion out of 23 samples (26%) at Ecology ambient monitoring station CSE001 between 9/91 and 9/96.;		
<b>Remarks</b>	<p>In the 1994 list decision matrix, the excursions beyond the criterion at station CSE001 were considered a natural condition with no direct human caused influence based on the 1/94 judgement of Dianne Harvestor (Dept. of Ecology). Further review of these data by Jan Newton (Dept. of Ecology) on 6/97 indicates that direct human caused sources are likely having an influence on the observed conditions. Similar Conditions were noted historically (Collias et al, 1975), however values were not quite as low.</p>		

<b>Water Name</b>	CASE INLET AND DANA PASSAGE		
<b>Parameter</b>	Fecal Coliform	<b>Medium</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-PS-0090
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47122D8J2
<b>Range</b>		<b>Grid Latitude</b>	47.395
<b>Section</b>		<b>Grid Longitude</b>	122.825
<b>Basis for Consideration of Listing</b>	<p>Department of Health Approved Commercial Shellfish Area in North Bay based partially on data at station 24 that exceed the criterion (from the Annual Growing Area Review ending December 1996). All other stations tested now meet standards for fecal coliform due to restoration activities.</p> <p>Melvin, 1991, standards are exceeded at all 12 stations tested in North Bay between 1988 and 1990.</p>		
<b>Remarks</b>			

<b>Water Name</b>	ELD INLET		
<b>Parameter</b>	pH	<b>Medium</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-14-0020
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47122A9J7
<b>Range</b>		<b>Grid Latitude</b>	47.095
<b>Section</b>		<b>Grid Longitude</b>	122.975
<b>Basis for Consideration of Listing</b>	<p>Two excursions beyond the criterion at Ecology ambient monitoring station ELD002 on 1/17/89 and 9/25/89.</p>		
<b>Remarks</b>	<p>These excursions beyond the criterion have not been repeated and there is no evidence that a direct human caused influence is significant based on the 6/97 judgement of Jan Newton (Dept. of Ecology).</p>		

<b>Water Name</b>	ELD INLET		
<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-14-0020
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47122B9A4
<b>Range</b>		<b>Grid Latitude</b>	47.105
<b>Section</b>		<b>Grid Longitude</b>	122.945
<b>Basis for Consideration of Listing</b>	5 excursions beyond the criterion out of 22 samples (23%) at Ecology ambient monitoring station ELD001 between 9/91 and 9/96 ;		
<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>	ELD INLET		
<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 checked="" type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-14-0020
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47123A0F0
<b>Range</b>		<b>Grid Latitude</b>	47.055
<b>Section</b>		<b>Grid Longitude</b>	123.005
<b>Basis for Consideration of Listing</b>	Department of Health Conditionally Approved Commercial Shellfish Area covers part of the southern portion of this bay. (Used station 7 to identify grid ID location)		
<b>Remarks</b>	The latest Assessment by Department of Health (shows that standards are now being met at all stations and an upgrade in classification is being considered.		

<b>Water Name</b>	ELD INLET		
<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-14-0020
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47122A9J7
<b>Range</b>		<b>Grid Latitude</b>	47.095
<b>Section</b>		<b>Grid Longitude</b>	122.975
<b>Basis for Consideration of Listing</b>	Four excursions beyond the criterion at Ecology ambient monitoring station ELD002 between 1989 and 1990.		
<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>	GOLDSBOROUGH CREEK		
<b>Parameter</b>	Fecal Coliform	<b>Mediu</b>	Water
<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> <input type="checkbox"/> TMDL
<b>New Segment ID #</b>	MI94TV	<b>Old Segment ID #</b>	WA-14-1600
<b>Stream Route #</b>	0	<b>Water Resource Inventory Area</b>	14
<b>Township</b>	20N	<b>Waterbody Grid #</b>	
<b>Range</b>	03W	<b>Grid Latitude</b>	
<b>Section</b>	20	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Michaud, 1988.		
<b>Remarks</b>			

<b>Water Name</b>	GREAT BEND/LYNCH COVE		
<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-PS-0260
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47123D0F2
<b>Range</b>		<b>Grid Latitude</b>	47.355
<b>Section</b>		<b>Grid Longitude</b>	123.025
<b>Basis for Consideration of Listing</b>	28 excursions beyond the criterion out of 54 samples (52%) at Ecology ambient monitoring station HCB004 between 9/91 and 9/96.		
<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>	GREAT BEND/LYNCH COVE		
<b>Parameter</b>	pH	<b>Mediu</b>	Water
<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> <input type="checkbox"/> TMDL
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-PS-0260
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47123D0F2
<b>Range</b>		<b>Grid Latitude</b>	47.355
<b>Section</b>		<b>Grid Longitude</b>	123.025
<b>Basis for Consideration of Listing</b>	3 excursions beyond the criterion out of 54 samples (6%) at Ecology ambient monitoring station HCB004 between 9/91 and 9/96.		
<b>Remarks</b>			

<b>Water Name</b>	GREAT BEND/LYNCH COVE		
<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-PS-0260
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47122E8C5
<b>Range</b>		<b>Grid Latitude</b>	47.425
<b>Section</b>		<b>Grid Longitude</b>	122.855
<b>Basis for Consideration of Listing</b>	Mason County data (submitted by Wayne Clifford on 8/91) show multiple excursions at stations M4 between 8/1/90 and 8/1/91.		
<b>Remarks</b>			

<b>Water Name</b>	GREAT BEND/LYNCH COVE		
<b>Parameter</b>	Dissolved Oxygen	<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-PS-0260
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47123D0F2
<b>Range</b>		<b>Grid Latitude</b>	47.355
<b>Section</b>		<b>Grid Longitude</b>	123.025
<b>Basis for Consideration of Listing</b>	54 excursions beyond the criterion out of 54 samples (100%) at Ecology ambient monitoring station HCB004 between 9/91 and 9/96.		
<b>Remarks</b>			

<b>Water Name</b>	HAMMERSLEY INLET		
<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-14-0100
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47122B9J9
<b>Range</b>		<b>Grid Latitude</b>	47.195
<b>Section</b>		<b>Grid Longitude</b>	122.995
<b>Basis for Consideration of Listing</b>	Department of Health Approved Commercial Shellfish Area in Hammersley Inlet. Data sampled from near the mouth of Gosnell Creek at station 5 that exceed the criterion (from the Annual Growing Area Review ending December 1996).		
<b>Remarks</b>			

<b>Water Name</b>	HAPPY HALLOW 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>	NO-ID	<b>Old Segment ID #</b>	WA-14-2030
<b>Stream Route #</b>	0	<b>Water Resource Inventory Area</b>	14
<b>Township</b>	22N	<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>	Mason County Shellfish Protection Project , 5 excursions beyond the criterion at station S4 (at Happy Hollow Store) between 8/1/90 and 8/1/91.		
<b>Remarks</b>	The stream has no WASWIS ID number. It drains to the Lower Hood Canal.		

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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>	OAKLAND 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-14-0110
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47123C0C6
<b>Range</b>		<b>Grid Latitude</b>	47.225
<b>Section</b>		<b>Grid Longitude</b>	123.065
<b>Basis for Consideration of Listing</b>	Department of Health Conditionally Approved Commercial Shellfish Area in Oakland Bay based partially on data sampled station 9 that exceed the criterion (from the Annual Growing Area Review ending December 1996).		
<b>Remarks</b>			

<b>Water Name</b>	OAKLAND 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-14-0110
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	547123C0B6
<b>Range</b>		<b>Grid Latitude</b>	47.215
<b>Section</b>		<b>Grid Longitude</b>	123.065
<b>Basis for Consideration of Listing</b>	Department of Health Prohibited Commercial Shellfish Area in Oakland Bay based partially on data sampled station 4 that exceed the criterion (from the Annual Growing Area Review ending December 1996).		
<b>Remarks</b>			

<b>Water Name</b>	OAKLAND 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-14-0110
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47123C0B7
<b>Range</b>		<b>Grid Latitude</b>	47.215
<b>Section</b>		<b>Grid Longitude</b>	123.075
<b>Basis for Consideration of Listing</b>	21 excursions beyond the criterion out of 56 samples (38%) at Ecology ambient monitoring station OAK004 between 9/91 and 9/96		
<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>	OAKLAND BAY		
<b>Parameter</b>	Fecal Coliform	<b>Mediu</b>	Water
<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> <input type="checkbox"/> TMDL
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-14-0110
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47123C0C4
<b>Range</b>		<b>Grid Latitude</b>	47.225
<b>Section</b>		<b>Grid Longitude</b>	123.045
<b>Basis for Consideration of Listing</b>	Department of Health Conditionally Approved Commercial Shellfish Area in Oakland Bay based partially on data sampled station 19 that exceed the criterion (from the Annual Growing Area Review ending December 1996).		
<b>Remarks</b>			

<b>Water Name</b>	OAKLAND 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-14-0110
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47123C0A7
<b>Range</b>		<b>Grid Latitude</b>	47.205
<b>Section</b>		<b>Grid Longitude</b>	123.075
<b>Basis for Consideration of Listing</b>	Department of Health Prohibited Commercial Shellfish Area in Oakland Bay based partially on data sampled station 3 that exceed the criterion (from the Annual Growing Area Review ending December 1996).		
<b>Remarks</b>			

<b>Water Name</b>	OAKLAND 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-14-0110
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47123C0A5
<b>Range</b>		<b>Grid Latitude</b>	47.205
<b>Section</b>		<b>Grid Longitude</b>	123.055
<b>Basis for Consideration of Listing</b>	Department of Health Prohibited Commercial Shellfish Area in Oakland Bay based partially on data sampled station 15 that exceed the criterion (from the Annual Growing Area Review ending December 1996).		
<b>Remarks</b>			

<b>Water Name</b>	OAKLAND 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-14-0110
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47123C0B7
<b>Range</b>		<b>Grid Latitude</b>	47.215
<b>Section</b>		<b>Grid Longitude</b>	123.075
<b>Basis for Consideration of Listing</b>	<p>0 excursions beyond the criterion out of 56 samples (0%) at Ecology ambient monitoring station OAK004 between 9/91 and 9/96.</p> <p>Listed in 1996 based on 3 excursions beyond the criterion at Ecology ambient monitoring station OAK004 on 5/26/87, 10/26/87, and 9/5/90.</p>		
<b>Remarks</b>	The segment now meets water quality standards for dissolved oxygen.		

<b>Water Name</b>	PERRY CREEK		
<b>Parameter</b>	pH	<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> <input type="checkbox"/> TMDL
<b>New Segment ID #</b>	FE29VY	<b>Old Segment ID #</b>	WA-14-1100
<b>Stream Route #</b>	0.21	<b>Water Resource Inventory Area</b>	14
<b>Township</b>	18N	<b>Waterbody Grid #</b>	
<b>Range</b>	03W	<b>Grid Latitude</b>	
<b>Section</b>	13	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Seiders and Cusimano, 1996. , 6 excursions beyond the criteria out of 19 samples (32%) from 1992 to 1996.		
<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**

**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>	SCHNEIDER CREEK		
<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>	ER21HD	<b>Old Segment ID #</b>	WA-14-1200
<b>Stream Route #</b>	0.339	<b>Water Resource Inventory Area</b>	14
<b>Township</b>	19N	<b>Waterbody Grid #</b>	
<b>Range</b>	03W	<b>Grid Latitude</b>	
<b>Section</b>	33	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Listed in 1996 based on Seiders, 1995. , excursions beyond the criterion during 1992 to 1994. The newer data from Seiders and Cusimano (1996) show that fecal coliform standards were met in 1995 and 1996.		
<b>Remarks</b>	Most recently collected data show that water quality standards for fecal coliform are now being met.		

<b>Water Name</b>	SHELTON CREEK		
<b>Parameter</b>	Fecal Coliform	<b>Mediu</b>	Water
<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> TMDL
<b>New Segment ID #</b>	JZ99VQ	<b>Old Segment ID #</b>	WA-14-1650
<b>Stream Route #</b>	0.032	<b>Water Resource Inventory Area</b>	14
<b>Township</b>	20N	<b>Waterbody Grid #</b>	
<b>Range</b>	03W	<b>Grid Latitude</b>	
<b>Section</b>	20	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Michaud, 1988.		
<b>Remarks</b>			

<b>Water Name</b>	SHELTON HARBOR (INNER)		
<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-14-0050
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47123C0A9
<b>Range</b>		<b>Grid Latitude</b>	47.205
<b>Section</b>		<b>Grid Longitude</b>	123.095
<b>Basis for Consideration of Listing</b>	Michaud, 1987.		
<b>Remarks</b>			

<b>Water Name</b>	SKOOKUM CREEK		
<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> None
<b>New Segment ID #</b>	BI64LF	<b>Old Segment ID #</b>	WA-14-1400
<b>Stream Route #</b>	0.901	<b>Water Resource Inventory Area</b>	14
<b>Township</b>	19N	<b>Waterbody Grid #</b>	
<b>Range</b>	03W	<b>Grid Latitude</b>	
<b>Section</b>	20	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Seiders and Cusimano, 1996. , 1 excursion beyond the criterion on 2/2/93.		
<b>Remarks</b>	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

<b>Water Name</b>	SKOOKUM 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"/> No <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	BI64LF	<b>Old Segment ID #</b>	WA-14-1400
<b>Stream Route #</b>	1.706	<b>Water Resource Inventory Area</b>	14
<b>Township</b>	19N	<b>Waterbody Grid #</b>	
<b>Range</b>	03W	<b>Grid Latitude</b>	
<b>Section</b>	19	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Data collected by the Squaxin Island Tribe (submitted by Jim Albrecht on 10/31/97) show 2 excursions beyond the upper criterion at a station just west of Hwy 101 on 9/15/95 and 4/24/96.		
<b>Remarks</b>			

<b>Water Name</b>	SQUAXIN, PEALE, AND PICKERING PASSAGES		
<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-14-0010
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47122C9F2
<b>Range</b>		<b>Grid Latitude</b>	47.255
<b>Section</b>		<b>Grid Longitude</b>	122.925
<b>Basis for Consideration of Listing</b>	6 excursions beyond the criterion out of 12 samples (50%) at Ecology ambient monitoring station PCK001 between 9/91 and 9/96.;		
<b>Remarks</b>	These excursions beyond the criterion at station PCK001 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 listed entered into 1996 list decision matrix based on station DNA001. This station is on the segment WA-PS-0090 and does not represent conditions on segment WA-14-0010.		

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<b>Water Name</b>	TOTTEN INLET		
<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-14-0130
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47123C0A8
<b>Range</b>		<b>Grid Latitude</b>	47.205
<b>Section</b>		<b>Grid Longitude</b>	123.085
<b>Basis for Consideration of Listing</b>	1 excursion beyond the criterion out of 21 samples (5%) at Ecology ambient monitoring station TOT001 between 9/91 and 9/96		
<b>Remarks</b>	A single excursion does not meet the Water Quality Program policy for listing.		

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<b>Water Name</b>	TOTTEN INLET		
<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-14-0130
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	14
<b>Township</b>		<b>Waterbody Grid #</b>	47123C0A8
<b>Range</b>		<b>Grid Latitude</b>	47.205
<b>Section</b>		<b>Grid Longitude</b>	123.085
<b>Basis for Consideration of Listing</b>	10 excursions beyond the criterion out of 21 samples (48%) at Ecology ambient monitoring station TOT001 between 9/91 and 9/96		
<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>	TWANOH FALLS CREEK		
<b>Parameter</b>	pH	<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>	HL04LK	<b>Old Segment ID #</b>	WA-14-2010
<b>Stream Route #</b>	0	<b>Water Resource Inventory Area</b>	14
<b>Township</b>	22N	<b>Waterbody Grid #</b>	
<b>Range</b>	02W	<b>Grid Latitude</b>	
<b>Section</b>	21	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Mason County Shellfish Protection Project , 5 excursions beyond the criterion at station S2 ( at Twanoh Falls Beach Club) between 8/1/90 and 8/1/91.		
<b>Remarks</b>			

<b>Water Name</b>	UNCLE JOHN 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>	NO-ID	<b>Old Segment ID #</b>	WA-14-1800
<b>Stream Route #</b>	0	<b>Water Resource Inventory Area</b>	14
<b>Township</b>	20N	<b>Waterbody Grid #</b>	
<b>Range</b>	03W	<b>Grid Latitude</b>	
<b>Section</b>	14	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Brown and Caldwell Consultants, 1990. , multiple excursions beyond the criterion at Station 78 (RM 0.1) during 1988.; Brown and Caldwell Consultants, 1990. , multiple excursions beyond the criterion at station 79 (RM 0.3) during 1988.; Brown and Caldwell Consultants, 1990. , multiple excursions beyond the criterion at station 80 (RM 2.2) during 1988.		
<b>Remarks</b>	There is no WASWIS ID for this stream. It drains to Chapman Cove.		

<b>Water Name</b>	UNNAMED CREEK		
<b>Parameter</b>	pH	<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>	NO-ID	<b>Old Segment ID #</b>	WA-14-2020
<b>Stream Route #</b>	0	<b>Water Resource Inventory Area</b>	14
<b>Township</b>	22N	<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>	Mason County Shellfish Protection Project , 7 excursions beyond the criterion at station S3 (near Hwy 106) between 8/1/90 and 8/1/91.		
<b>Remarks</b>	The stream has no WASWIS ID number. It drains to the Lower Hood Canal.		