

Final 1998 Section 303(d) List - WRIA 1

Water Name	ANDERSON CREEK		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	MU69PG	Old Segment ID #	WA-01-1120
Stream Route #	7.277	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	06	Grid Longitude	
Basis for Consideration of Listing	Data collected by the Lummi Nation Natural Resources Department (submitted by Leroy Deardorf on 10/29/97) show that 18% of the measurements exceeded the criterion in 7/96.		
Remarks			

Water Name	ANDERSON CREEK		
Parameter	Fine Sediment	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	MU69PG	Old Segment ID #	WA-01-1120
Stream Route #	1.252	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	19	Grid Longitude	
Basis for Consideration of Listing	<p>The following reference documents habitat alterations: Schuett-Hames, 1984a. , 29.1% in 1983. Schuett-Hames, 1988b. 20.4% mean value between 1983-1985. The following references document impairment of characteristic uses: Doughty, 1987. , documented decline in Chinook stock. The following references document human-caused contribution of sediment. Benda, 1993.Gowen, 1989.PEAK NW, 1986a.PEAK NW, 1986b.</p>		
Remarks			

Water Name	ANDERSON DITCH		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	WO95OB	Old Segment ID #	WA-01-1104
Stream Route #	7.267	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	35	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993), 34 excursions beyond the criterion out of 55 samples (62%) between 7/91 and 5/93 at Site 7 (RM 0.5).		
Remarks			

Water Name	ANDERSON DITCH		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	WO95OB	Old Segment ID #	WA-01-1104
Stream Route #	7.267	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	35	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993), 10 excursions beyond the upper criterion between 7/91 and 5/93 at Site 7 (RM 0.5).		
Remarks			

Water Name	ANDERSON DITCH		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	WO95OB	Old Segment ID #	WA-01-1104
Stream Route #	9.709	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	36	Grid Longitude	
Basis for Consideration of Listing	Silver Creek Watershed Management Committee, 1989. , 5 excursions beyond the criterion at Site 12 (RM 2.0) on 6/15/88, 9/6/88 and 11/10/88.; Western Washington University (1993), 5 excursions beyond the upper criterion between 7/91 and 5/93 at Site 12 (RM 22.0).		
Remarks			

Water Name	ANDERSON DITCH		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	WO95OB	Old Segment ID #	WA-01-1104
Stream Route #	9.709	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	36	Grid Longitude	
Basis for Consideration of Listing	Silver Creek Watershed Management Committee, 1989. , 5 excursions beyond the criterion at Site 12 (RM 2.0) in 1988.; Western Washington University (1993), 9 excursions beyond the criterion out of 55 samples (16 %) between 7/91 and 5/93 at Site 12 (RM 2.0).		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Arsenic	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5C1
Range		Grid Latitude	48.725
Section		Grid Longitude	122.515
Basis for Consideration of Listing	Harris Avenue Shipyard site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Zinc	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Pyrene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Dibenz(a,h)anthracene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Mercury	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5C1
Range		Grid Latitude	48.725
Section		Grid Longitude	122.515
Basis for Consideration of Listing	Harris Avenue Shipyard site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Pentachlorophenol	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Mercury	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Indeno(1,2,3-cd)pyrene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Fluorene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Phenanthrene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Benzo(a)pyrene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Lead	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5C1
Range		Grid Latitude	48.725
Section		Grid Longitude	122.515
Basis for Consideration of Listing	Harris Avenue Shipyard site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	2,4-Dimethylphenol	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	2-Methylnaphthalene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Acenaphthene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Anthracene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Fluoranthene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Benz(a)anthracene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Dibenzofuran	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Benzo(b,k)fluoranthenes	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Benzo(ghi)perylene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Bis(2-ethylhexyl) phthalate	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Chrysene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Copper	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Zinc	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5C1
Range		Grid Latitude	48.725
Section		Grid Longitude	122.515
Basis for Consideration of Listing	Harris Avenue Shipyard site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Arsenic	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E9
Range		Grid Latitude	48.745
Section		Grid Longitude	122.495
Basis for Consideration of Listing	Whatcom and I&J waterways site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Copper	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5C1
Range		Grid Latitude	48.725
Section		Grid Longitude	122.515
Basis for Consideration of Listing	Station Cluster (MCI) exceeds sediment quality standards in 9/14/95 assessment.;		
Remarks	The station cluster was not identified as a site when the confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) were applied. As such, these stations are not in violation of the standards and should not be listed.		

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5D0
Range		Grid Latitude	48.735
Section		Grid Longitude	122.505
Basis for Consideration of Listing	4 excursions beyond the criterion at Ecology ambient monitoring station BLL006: 2 in 1986 and 2 in 1987.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Phenol	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5C1
Range		Grid Latitude	48.725
Section		Grid Longitude	122.515
Basis for Consideration of Listing	Station Cluster (MCI) exceeds sediment quality standards in 9/14/95 assessment.		
Remarks	The station cluster was not identified as a site when the confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) were applied. As such, these stations are not in violation of the standards and should not be listed.		

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Total PCBs	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5C1
Range		Grid Latitude	48.725
Section		Grid Longitude	122.515
Basis for Consideration of Listing	Station Cluster (MCI) exceeds sediment quality standards in 9/14/95 assessment.		
Remarks	The station cluster was not identified as a site when the confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) were applied. As such, these stations are not in violation of the standards and should not be listed.		

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Lead	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5C1
Range		Grid Latitude	48.725
Section		Grid Longitude	122.515
Basis for Consideration of Listing	Station Cluster (MCI) exceeds sediment quality standards in 9/14/95 assessment.		
Remarks	The station cluster was not identified as a site when the confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) were applied. As such, these stations are not in violation of the standards and should not be listed.		

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Sediment Bioassay	Mediu	Sediment
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E8
Range		Grid Latitude	48.745
Section		Grid Longitude	122.485
Basis for Consideration of Listing	PTI Environmental Services, 1988. , sediment bioassay with amphipod.		
Remarks	The confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) for marine waters 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 in marine waters has been completed. This information should not be used for listing the segment until the confirmed as sites according to the standards for marine waters.		

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Mercury	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5E0
Range		Grid Latitude	48.745
Section		Grid Longitude	122.505
Basis for Consideration of Listing	Cubbage, 1993. , exceeds sediment standards at 2 stations in the southeast corner of the bay.		
Remarks	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.		

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Sediment Bioassay	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H4E8
Range		Grid Latitude	48.745
Section		Grid Longitude	122.485
Basis for Consideration of Listing	Evans-Hamilton, et al. 1987. , sediment bioassay with amphipod.		
Remarks	The confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) for marine waters 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 in marine waters has been completed. This information should not be used for listing the segment until the confirmed as sites according to the standards for marine waters.		

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Zinc	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5C1
Range		Grid Latitude	48.725
Section		Grid Longitude	122.515
Basis for Consideration of Listing	Station Cluster (MCI) exceeds sediment quality standards in 9/14/95 assessment.		
Remarks	The station cluster was not identified as a site when the confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) were applied. As such, these stations are not in violation of the standards and should not be listed.		

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed <input type="checkbox"/> TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5D0
Range		Grid Latitude	48.735
Section		Grid Longitude	122.505
Basis for Consideration of Listing	2 excursions beyond the criterion at ecology ambient monitoring station BLL006 on 11/6/85 and 5/4/87.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Arsenic	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5C1
Range		Grid Latitude	48.725
Section		Grid Longitude	122.515
Basis for Consideration of Listing	Station Cluster (MCI) exceeds sediment quality standards in 9/14/95 assessment.;		
Remarks	The station cluster was not identified as a site when the confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) were applied. As such, these stations are not in violation of the standards and should not be listed.		

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Mercury	Mediu	Sediment
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed <input type="checkbox"/> TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5D0
Range		Grid Latitude	48.735
Section		Grid Longitude	122.505
Basis for Consideration of Listing	Georgia-Pacific Outfall site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Total PCBs	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5C1
Range		Grid Latitude	48.725
Section		Grid Longitude	122.515
Basis for Consideration of Listing	Harris Avenue Shipyard site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Phenol	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5C1
Range		Grid Latitude	48.725
Section		Grid Longitude	122.515
Basis for Consideration of Listing	Harris Avenue Shipyard site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Copper	Mediu	Sediment
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5C1
Range		Grid Latitude	48.725
Section		Grid Longitude	122.515
Basis for Consideration of Listing	Harris Avenue Shipyard site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY		
Parameter	Mercury	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0050
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5C1
Range		Grid Latitude	48.725
Section		Grid Longitude	122.515
Basis for Consideration of Listing	Station Cluster (MCI) exceeds sediment quality standards in 9/14/95 assessment.		
Remarks	The station cluster was not identified as a site when the confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) were applied. As such, these stations are not in violation of the standards and should not be listed.		

Water Name	BELLINGHAM BAY (OUTER)		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0080
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H6C4
Range		Grid Latitude	48.725
Section		Grid Longitude	122.645
Basis for Consideration of Listing	Department of Health Approved Commercial Shellfish Area of Portage Island. Data collected from station 11 that exceed the criterion (from the Annual Growing Area Review ending December 1996)..		
Remarks	This waterbody is entirely on the Lummi Indian Reservation and does not fall under the jurisdiction of the state.		

Water Name	BELLINGHAM BAY (OUTER)		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0080
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H6D3
Range		Grid Latitude	48.735
Section		Grid Longitude	122.635
Basis for Consideration of Listing	Department of Health Approved Commercial Shellfish Area of Portage Island. Data collected from station 12 that exceed the criterion (from the Annual Growing Area Review ending December 1996)..		
Remarks	This waterbody is entirely on the Lummi Indian Reservation and does not fall under the jurisdiction of the state.		

Water Name	BELLINGHAM BAY (OUTER)		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0080
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H6A1
Range		Grid Latitude	48.705
Section		Grid Longitude	122.615
Basis for Consideration of Listing	Cleland, 1985. Excursions beyond the upper criterion at station 15.		
Remarks	This waterbody is entirely on the Lummi Indian Reservation and does not fall under the jurisdiction of the state.		

Water Name	BELLINGHAM BAY (OUTER)		
Parameter	Ammonia-N	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0080
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5B3
Range		Grid Latitude	48.715
Section		Grid Longitude	122.535
Basis for Consideration of Listing	1 excursion beyond the criterion (unionized form computed by STORET) at Ecology ambient monitoring station BLL008 on 10/28/81.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing. Station BLL008 was last sampled by Ecology in 1988.		

Water Name	BELLINGHAM BAY (OUTER)		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0080
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122G6I0
Range		Grid Latitude	48.685
Section		Grid Longitude	122.605
Basis for Consideration of Listing	2 excursions beyond the criterion out of 44 samples (5%) at Ecology ambient monitoring station BLL009 between 9/91 and 9/96.		
Remarks			

Water Name	BELLINGHAM BAY (OUTER)		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0080
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122G6I0
Range		Grid Latitude	48.685
Section		Grid Longitude	122.605
Basis for Consideration of Listing	1 excursion beyond the criterion out of 47 samples (2%) at Ecology ambient monitoring station BLL009 between 9/91 and 9/96.		
Remarks	A single excursion does not meet the Water Quality Program policy for listing.		

Water Name	BELLINGHAM BAY (OUTER)		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0080
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122G6I0
Range		Grid Latitude	48.685
Section		Grid Longitude	122.605
Basis for Consideration of Listing	<p>0 excursions beyond the criterion out of 47 samples (0%) at Ecology ambient monitoring station BLL009 between 9/91 and 9/96.</p> <p>Listed in 1996 for 5 excursions beyond the criterion at Ecology ambient monitoring station BLL009 between 1985 and 1990: 1 in 1985, 1 in 1986, 1 in 1987, 1 in 1990, 1 in 1991.</p>		
Remarks	The segment now meets water quality standards for pH		

Water Name	BELLINGHAM BAY (OUTER)		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0080
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H5B3
Range		Grid Latitude	48.715
Section		Grid Longitude	122.535
Basis for Consideration of Listing	4 excursions beyond the criterion at Ecology ambient monitoring station BLL008 between 1985 and 1987: 1 in 1985, 1 in 1986, and 2 in 1987.;		
Remarks	Station BLL008 was last sampled by Ecology in 1988.		

Water Name	BELLINGHAM BAY (OUTER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0080
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122G6I0
Range		Grid Latitude	48.685
Section		Grid Longitude	122.605
Basis for Consideration of Listing	7 excursions beyond the criterion out of 47 samples (15%) at Ecology ambient monitoring station BLL009 between 9/91 and 9/96.		
Remarks	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).		

Water Name	BENDER ROAD DITCH		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed <input type="checkbox"/> TMDL
New Segment ID #	UI16IQ	Old Segment ID #	WA-01-1119
Stream Route #	0	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	09	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , 3 excursions beyond the upper criterion at station F8 during 2/92 and 3/92.		
Remarks			

Water Name	BENDER ROAD DITCH		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	UI16IQ	Old Segment ID #	WA-01-1119
Stream Route #	2.603	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	04	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , 2 excursions beyond the criterion at Panghorn Road and Bender Road on 2/5/92 and 3/4/92.		
Remarks			

Water Name	BENDER ROAD DITCH		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	UI16IQ	Old Segment ID #	WA-01-1119
Stream Route #	0.961	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	09	Grid Longitude	
Basis for Consideration of Listing	Erickson, 1995, the geometric mean exceeds the criterion at station BD2 in 1993 and 1994.,		
Remarks			

Water Name	BENDER ROAD DITCH		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	UI16IQ	Old Segment ID #	WA-01-1119
Stream Route #	0	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	16	Grid Longitude	
Basis for Consideration of Listing	Erickson, 1995, the geometric mean exceeds the criterion at station BD1 in 1993 and 1994.,		
Remarks			

Water Name	BENDER ROAD DITCH		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	UI16IQ	Old Segment ID #	WA-01-1119
Stream Route #	0	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	16	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , 4 excursions beyond the upper criterion at station F16 during 2/92 and 3/92.		
Remarks			

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

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

Water Name	BERTRAND CREEK		
Parameter	Instream Flow	Mediu	Habitat
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed Other Control
New Segment ID #	VL90RG	Old Segment ID #	WA-01-1110
Stream Route #	1.178	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	26	Grid Longitude	
Basis for Consideration of Listing	<p>WAC control station is at RM 1.0.; USGS, 1989 , measured flows at RM 0.75 between 1973 and 1981 showed WAC flows were not met 50% of the time. Flows collected by Washington Dept. of Ecology in 1987 and 1989 showed that WAC flows were not met 83% of the time. Washington Dept. of Ecology, 1985., instream flow recommendations for spawning and requiring using the toe-width method. Of all the flow measurements compiled; 91% did not meet these recommended flows. A large number of water rights and claims have been catalogued. Nehlsen, et al. 1992. , Coho Salmon may have become extinct. Washington Dept. of Ecology, 1995. , Stocks of Spring-Summer Chinook, Spring-Summer Coho, Winter Steelhead, Summer Steelhead and Sea-run Cutthroat are considered to be at risk for extinction. The stream meets all the Water Quality Program criteria for inadequate instream flow and has been added to the list. The information compiled shows that the WAC instream flows have not been met most of the time. The Creek has runs of Coho, Chinook, chum, steelhead, and cutthroat that have been greatly reduced by diversions (1995 TMDL Study) and all except chum are considered toe at risk of extinction (1995 State of the Nooksack River Watershed).</p>		
Remarks			

Water Name	BERTRAND CREEK		
Parameter	Ammonia-N	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	MI36KN	Old Segment ID #	WA-01-1110
Stream Route #	7.851	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	07	Grid Longitude	
Basis for Consideration of Listing	<p>Dickes, 1992 , 2 excursions beyond the criterion at station B8E on 3/10/92 and 3/17/92.</p>		
Remarks			

Water Name	BERTRAND CREEK		
Parameter	Ammonia-N	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	KG72JQ	Old Segment ID #	WA-01-1110
Stream Route #	0.367	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	12	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , single excursion beyond the criterion at station B9W on 3/3/92.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

Water Name	BERTRAND CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed <input type="checkbox"/> TMDL
New Segment ID #	MI36KN	Old Segment ID #	WA-01-1110
Stream Route #	4.303	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	24	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992. = 4 excursion beyond the upper criterion at station B15 (Lynden Road and Flynn Road)		
Remarks			

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

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

Water Name	CALIFORNIA CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	TW03VG	Old Segment ID #	WA-01-1450
Stream Route #	0	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	01E	Grid Latitude	
Section	18	Grid Longitude	
Basis for Consideration of Listing	Cook, 1987.		
Remarks	The cited reference cannot be located in the administrative record. As such, there is no evidence to support listing this stream for dissolved oxygen.		

Water Name	CANYON (LAKE) CREEK		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed <input type="checkbox"/> TMDL
New Segment ID #	ND81CH	Old Segment ID #	WA-01-1310
Stream Route #	0.264	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	05E	Grid Latitude	
Section	27	Grid Longitude	
Basis for Consideration of Listing	Data collected by the Lummi Tribe (submitted by Dan Neff on 5/10/93) show 31 excursions beyond the criterion between 7/27/92 and 9/4/92.		
Remarks			

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

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

Water Name	CLEARBROOK CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	CT99ZQ	Old Segment ID #	None2
Stream Route #	0.126	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	08	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992. 4 excursions beyond the criterion out of 4 samples (100%) collected at a station on Clearbrook Ditch, West of Nooksack Road in 1992.		
Remarks			

Water Name	CLEARBROOK CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	CT99ZQ	Old Segment ID #	None2
Stream Route #	0	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	05	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 6 excursions beyond the upper criterion at station CB (at Clearbrook Ditch RM 0.2) in 1988 and 1989.		
Remarks			

Water Name CLEARBROOK CREEK

Parameter Fecal Coliform **Mediu** Water

Place on 1998 List? Yes **Listed in 1996** No **Action Needed** TMDL

New Segment ID # CT99ZQ **Old Segment ID #** None2

Stream Route # 0.126 **Water Resource Inventory Area** 1

Township 40N **Waterbody Grid #**

Range 04E **Grid Latitude**

Section 08 **Grid Longitude**

Basis for Consideration of Listing Dickes, 1992. 4 excursions beyond the criterion collected at a station on Clearbrook Ditch, West of Nooksack Road in 1992.

Remarks

Water Name CORNELL CREEK

Parameter Temperature **Mediu** Water

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

New Segment ID # RQ36PH **Old Segment ID #** WA-01-1170

Stream Route # 0 **Water Resource Inventory Area** 1

Township 39N **Waterbody Grid #**

Range 06E **Grid Latitude**

Section 01 **Grid Longitude**

Basis for Consideration of Listing Data collected by the Lummi Tribe (submitted by Dan Neff on 5/10/93) show 32 excursions beyond the criterion between 7/30/92 and 8/30/92.

Remarks

Water Name	DAKOTA (REBEL) CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	UY09SW	Old Segment ID #	WA-01-1002
Stream Route #	0.29	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	01E	Grid Latitude	
Section	24	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992. 3 excursions beyond the upper criterion at station D11 in 1992		
Remarks			

Water Name	DAKOTA (REBEL) CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	WY09SW	Old Segment ID #	WA-01-1002
Stream Route #	1.92	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	19	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992. 3 excursions beyond the upper criterion at station D9 in 1992		
Remarks			

Water Name	DAKOTA (REBEL) CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	NW63LN	Old Segment ID #	WA-01-1002
Stream Route #	0.88	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	17	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992. 2 excursions beyond the criterion out of 4 samples (50%) at station D4 in 1992.		
Remarks			

Water Name	DAKOTA (REBEL) CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	WY09SW	Old Segment ID #	WA-01-1002
Stream Route #	1.92	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	19	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992. 4 excursions beyond the criterion out of 4 samples (100%) at station D9 in 1992.		
Remarks			

Water Name DAKOTA (REBEL) CREEK

Parameter Dissolved Oxygen **Mediu** Water

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

New Segment ID # UY09SW **Old Segment ID #** WA-01-1002

Stream Route # 3.437 **Water Resource Inventory Area** 1

Township 40N **Waterbody Grid #**

Range 02E **Grid Latitude**

Section 20 **Grid Longitude**

Basis for Consideration of Listing Dickes, 1992. 4 excursions beyond the criterion out of 4 samples (100%) at station D5 in 1992.

Remarks

Water Name DEER CREEK

Parameter Ammonia-N **Mediu** Water

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

New Segment ID # DR81WH **Old Segment ID #** WA-01-1014

Stream Route # 2.682 **Water Resource Inventory Area** 1

Township 39N **Waterbody Grid #**

Range 02E **Grid Latitude**

Section 26 **Grid Longitude**

Basis for Consideration of Listing Tetra Tech, 1989. , 2 excursions beyond the criterion on 10/20/88 and 11/30/88 at station 8 on Aldrich Road.

Remarks

Water Name	DEER CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	DR81WH	Old Segment ID #	WA-01-1014
Stream Route #	2.682	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	26	Grid Longitude	
Basis for Consideration of Listing	Tetra Tech, 1989. , 3 excursions beyond the criterion out of 10 samples (30%) on 6/20/89, 7/19/89, and 8/16/89 at station 8 on Aldrich Road.		
Remarks			

Water Name	DEER CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	DR81WH	Old Segment ID #	WA-01-1014
Stream Route #	0.926	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	27	Grid Longitude	
Basis for Consideration of Listing	Tetra Tech, 1989. , 5 excursions beyond the upper criterion in 1989 at station 9 on Wisner Lake Road..		
Remarks			

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

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

Water Name	DEER CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	DR81WH	Old Segment ID #	WA-01-1014
Stream Route #	2.682	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	26	Grid Longitude	
Basis for Consideration of Listing	Tetra Tech, 1989. , 4 excursions beyond the upper criterion in 1989 at station 8 on Aldrich Road..		
Remarks			

Water Name	DEPOT ROAD DITCH		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	NK26OD	Old Segment ID #	WA-01-1118
Stream Route #	4.913	Water Resource Inventory Area	1
Township	41N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	32	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , 2 excursions beyond the criterion at Vissner Road and Depot Road on 3/4/92 and 3/11/92.		
Remarks			

Water Name	DEPOT ROAD DITCH		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	NK26OD	Old Segment ID #	WA-01-1118
Stream Route #	4.913	Water Resource Inventory Area	1
Township	41N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	32	Grid Longitude	
Basis for Consideration of Listing	Erickson, 1995, the geometric mean exceeds the criterion at station DP2 in 1993 and 1994.,		
Remarks			

Water Name	DEPOT ROAD DITCH		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	NK26OD	Old Segment ID #	WA-01-1118
Stream Route #	0.028	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	17	Grid Longitude	
Basis for Consideration of Listing	Erickson, 1995, the geometric mean exceeds the criterion at station DP1 in 1993 and 1994.,		
Remarks			

Water Name	DEPOT ROAD DITCH		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	NK26OD	Old Segment ID #	WA-01-1118
Stream Route #	4.913	Water Resource Inventory Area	1
Township	41N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	32	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , excursions beyond the criterion at Vissner Road and Depot Road during 2/92 and 3/92.		
Remarks			

Water Name	DEPOT ROAD DITCH		
Parameter	Ammonia-N	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	NK26OD	Old Segment ID #	WA-01-1118
Stream Route #	4.913	Water Resource Inventory Area	1
Township	41N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	32	Grid Longitude	
Basis for Consideration of Listing	Erickson, 1995, one excursion beyond the chronic criterion on 12/14/93 at station DP2.		
Remarks	A single excursion beyond the criterion does not violate the water quality standards.		

Water Name	DOUBLE DITCH DRAIN		
Parameter	Ammonia-N	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	LN43IE	Old Segment ID #	WA-01-1116
Stream Route #	7.498	Water Resource Inventory Area	1
Township	41N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	31	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , single excursion beyond the criterion at station F14E on 3/4/92.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

Water Name	DOUBLE DITCH DRAIN		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed <input type="checkbox"/> TMDL
New Segment ID #	MI36KN	Old Segment ID #	WA-01-1116
Stream Route #	6.241	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	18	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , 4 excursions beyond the upper criterion at station F3W (West Double Ditch) during 2/92 and 3/92.		
Remarks			

Water Name	DOUBLE DITCH DRAIN		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	LN43IE	Old Segment ID #	WA-01-1116
Stream Route #	10.159	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	07	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , 2 excursions beyond the upper criterion at station F9 (East Double Ditch) during 2/92 and 3/92.		
Remarks			

Water Name	DOUBLE DITCH DRAIN		
Parameter	Ammonia-N	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	RC87WC	Old Segment ID #	WA-01-1116
Stream Route #	0	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	19	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , single excursion beyond the criterion at station F3W on 3/4/92.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

Water Name	DOUBLE DITCH DRAIN		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	RC87WC	Old Segment ID #	WA-01-1116
Stream Route #	3.644	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	06	Grid Longitude	
Basis for Consideration of Listing	Erickson, 1995, the geometric mean exceeds the criterion at station DDW2 in 1993 and 1994.,		
Remarks			

Water Name	DOUBLE DITCH DRAIN		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	LN43IE	Old Segment ID #	WA-01-1116
Stream Route #	13.355	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	19	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , 2 excursions beyond the upper criterion at station F2E (East Double Ditch) during 2/92 and 3/92.		
Remarks			

Water Name	DOUBLE DITCH DRAIN		
Parameter	Ammonia-N	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	LN43IE	Old Segment ID #	WA-01-1116
Stream Route #	8.583	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	06	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , single excursion beyond the criterion at station F9 on 3/4/92.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

Water Name	DOUBLE DITCH DRAIN		
Parameter	Ammonia-N	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	NK26OD	Old Segment ID #	WA-01-1116
Stream Route #	4.913	Water Resource Inventory Area	1
Township	41N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	32	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , single excursion beyond the criterion at station F13 on 3/4/92.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

Water Name	DOUBLE DITCH DRAIN		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	LN43IE	Old Segment ID #	WA-01-1116
Stream Route #	10.159	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	07	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , 2 excursions beyond the upper criterion at station F10 (West Double Ditch) during 2/92 and 3/92.		
Remarks			

Water Name	DOUBLE DITCH DRAIN		
Parameter	Ammonia-N	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	LN43IE	Old Segment ID #	WA-01-1116
Stream Route #	7.498	Water Resource Inventory Area	1
Township	41N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	31	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , single excursion beyond the criterion at station F14W on 3/4/92.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

Water Name	DOUBLE DITCH DRAIN		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	LN43IE	Old Segment ID #	WA-01-1116
Stream Route #	7.498	Water Resource Inventory Area	1
Township	41N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	31	Grid Longitude	
Basis for Consideration of Listing	Erickson, 1995, the geometric mean exceeds the criterion at station DDE3 in 1993 and 1994.,		
Remarks			

Water Name	DOUBLE DITCH DRAIN		
Parameter	Ammonia-N	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	LN43IE	Old Segment ID #	WA-01-1116
Stream Route #	13.355	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	19	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , single excursion beyond the criterion at station F2E on 3/4/92.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

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

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

Water Name

Parameter **Mediu**

Place on 1998 List? Yes **Listed in 1996** No **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

Water Name

Parameter **Mediu**

Place on 1998 List? Yes **Listed in 1996** No **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

Water Name	DOUBLE DITCH DRAIN		
Parameter	Ammonia-N	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	RC87WC	Old Segment ID #	WA-01-1116
Stream Route #	3.644	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	06	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , single excursion beyond the criterion at station F10 on 3/4/92.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

Water Name	DRAYTON HARBOR		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed <input type="checkbox"/> TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0020
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122J7I6
Range		Grid Latitude	48.985
Section		Grid Longitude	122.765
Basis for Consideration of Listing	Department of Health Prohibited Commercial Shellfish Area of Drayton Harbor based partially on data from station 4 that exceed the criterion (from the Annual Growing Area Review ending December 1996)..		
Remarks			

Water Name	DRAYTON HARBOR		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0020
Stream Route #		Water Resource Inventory Area	<input type="checkbox"/> 1
Township		Waterbody Grid #	48122J7G6
Range		Grid Latitude	48.965
Section		Grid Longitude	122.765
Basis for Consideration of Listing	2 excursions beyond the criterion at Ecology ambient monitoring station DRA001 on 5/12/86 and 6/9/86.		
Remarks	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).		

Water Name	DRAYTON HARBOR		
Parameter	Ammonia-N	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0020
Stream Route #		Water Resource Inventory Area	<input type="checkbox"/> 1
Township		Waterbody Grid #	48122J7G6
Range		Grid Latitude	48.965
Section		Grid Longitude	122.765
Basis for Consideration of Listing	1 excursion beyond the criterion (unionized form computed by STORET) at Ecology ambient monitoring station DRA001 on 8/11/82.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

Water Name	DRAYTON HARBOR		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0020
Stream Route #		Water Resource Inventory Area	<input type="checkbox"/> 1
Township		Waterbody Grid #	48122J7G6
Range		Grid Latitude	48.965
Section		Grid Longitude	122.765
Basis for Consideration of Listing	3 excursions beyond the criterion at Ecology ambient monitoring station DRA001 on 11/5/86, 6/1/87, and 11/3/87.		
Remarks	These excursions beyond the criterion are a natural condition no human caused influence due to stratification based on the 6/97 judgement of Jan Newton (Dept. of Ecology).		

Water Name	DRAYTON HARBOR		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0020
Stream Route #		Water Resource Inventory Area	<input type="checkbox"/> 1
Township		Waterbody Grid #	48122J7G6
Range		Grid Latitude	48.965
Section		Grid Longitude	122.765
Basis for Consideration of Listing	3 excursions beyond the criterion at Ecology ambient monitoring station DRA001 on 8/4/86, 9/2/86, and 8/3/87.		
Remarks	These excursions beyond the criterion are a natural condition with no human caused influence due to solar heating of the surface water based on the 6/97 judgement of Jan Newton (Dept. of Ecology)		

Water Name	DRAYTON HARBOR		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0020
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122J7G6
Range		Grid Latitude	48.965
Section		Grid Longitude	122.765
Basis for Consideration of Listing	5 excursions beyond the upper criterion at Ecology ambient monitoring station DRA001 on between 10/82 and 10/87. This station has not been monitored since 1987.		
Remarks			

Water Name	DRAYTON HARBOR		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0020
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122J7I6
Range		Grid Latitude	48.985
Section		Grid Longitude	122.765
Basis for Consideration of Listing	Department of Health Prohibited Commercial Shellfish Area of Drayton Harbor based partially on data from station 4 that exceed the criterion (from the Annual Growing Area Review ending December 1996)..		
Remarks			

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

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

Water Name	DUFFNER DITCH		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	KG72JQ	Old Segment ID #	WA-01-1111
Stream Route #	0	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	13	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , 0 excursions beyond the criterion were measured at station B8E (Guide Meridian and Badger Road east)		
Remarks	The segment was proposed in error based on the cited reference. The report by Dickes (1992) did not measure any excursions beyond the temperature criterion on this stream segment.		

Water Name	FISHTRAP CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed <input type="checkbox"/> TMDL
New Segment ID #	RN53NC	Old Segment ID #	WA-01-1115
Stream Route #	1.836	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	25	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , 2 excursions beyond the upper criterion at station F1 during 2/92 and 3/92.		
Remarks			

Water Name	FISHTRAP CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	NK26OD	Old Segment ID #	WA-01-1115
Stream Route #	4.913	Water Resource Inventory Area	1
Township	41N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	32	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , 2 excursions beyond the upper criterion at station F13 during 2/92 and 3/92.		
Remarks			

Water Name	FISHTRAP CREEK		
Parameter	Instream Flow	Mediu	Habitat
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed Other Control
New Segment ID #	RN53NC	Old Segment ID #	WA-01-1115
Stream Route #	8.584	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	16	Grid Longitude	
Basis for Consideration of Listing	<p>USGS, 1989 , measured flows at RM 6.9 between 1973 and 1981 showed WAC flows were not met 50% of the time, and at the mouth between 1979 and 1981 showed WAC flows set upstream at RM 6.9 were not met 38% of the time. WAC control station is at RM 6.9.</p> <p>Washington Dept. of Ecology, 1985., instream flow recommendations for spawning and rearing using the toe-width method. Of all the flow measurements compiled, 58% did not meet these recommended flows. A large number of water rights and claims have been catalogued. Nehlsen, et al. 1992. , Coho Salmon may have become extinct. Washington Dept. of Ecology, 1995. , Stocks of Spring-Summer Chinook, Spring-Summer Coho, Winter Steelhead, Summer Steelhead and Sea-run Cutthroat are considered to be at risk for extinction. The stream meets all the Water Quality Program criteria for inadequate instream flow and has been added to the list. The information compiled shows that the WAC instream flows from June through October have not been met over 50% of the time (1995 TMDL Study). The Creek has runs of Coho, Chinook, chum, steelhead, and cutthroat that have been greatly reduced by diversions (1995TMDL Study) and all except chum are considered to be at risk of extinction (1995 State of the Nooksack River Watershed).</p>		
Remarks			

Water Name	FISHTRAP CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	RN53NC	Old Segment ID #	WA-01-1115
Stream Route #	1.836	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	25	Grid Longitude	
Basis for Consideration of Listing	Erickson, 1995, the geometric mean exceeds the criterion at station FC1 in 1993 and 1994.,		
Remarks			

Water Name	FISHTRAP CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	RC87WC	Old Segment ID #	WA-01-1115
Stream Route #	3.644	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	06	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , 3 excursions beyond the upper criterion at station F10 during 2/92 and 3/92.		
Remarks			

Water Name FISHTRAP CREEK

Parameter Fecal Coliform **Mediu** Water

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

New Segment ID # LN43IE **Old Segment ID #** WA-01-1115

Stream Route # 8.583 **Water Resource Inventory Area** 1

Township 40N **Waterbody Grid #**

Range 03E **Grid Latitude**

Section 06 **Grid Longitude**

Basis for Consideration of Listing
Dickes, 1992 , 2 excursions beyond the upper criterion at station F9 during 2/92 and 3/92.

Remarks

Water Name FISHTRAP CREEK

Parameter Fecal Coliform **Mediu** Water

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

New Segment ID # RN53NC **Old Segment ID #** WA-01-1115

Stream Route # 10.08 **Water Resource Inventory Area** 1

Township 40N **Waterbody Grid #**

Range 03E **Grid Latitude**

Section 09 **Grid Longitude**

Basis for Consideration of Listing
Dickes, 1992 , 2 excursions beyond the upper criterion at station F6 during 2/92 and 3/92.

Remarks

Water Name	FISHTRAP CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	LN43IE	Old Segment ID #	WA-01-1115
Stream Route #	13.355	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	19	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , 4 excursions beyond the upper criterion at station F3W during 2/92 and 3/92.		
Remarks			

Water Name	FISHTRAP CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	LN43IE	Old Segment ID #	WA-01-1115
Stream Route #	13.355	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	19	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , 2 excursions beyond the upper criterion at station F2E during 2/92 and 3/92.		
Remarks			

Water Name	FISHTRAP CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	RN53NC	Old Segment ID #	WA-01-1115
Stream Route #	8.584	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	16	Grid Longitude	
Basis for Consideration of Listing	Erickson, 1995, the geometric mean exceeds the criterion at station FC2 in 1993 and 1994.,		
Remarks			

Water Name	FISHTRAP CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	UI16IQ	Old Segment ID #	WA-01-1115
Stream Route #	0	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	16	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992 , 2 excursions beyond the upper criterion at station F16 during 2/92 and 3/92.		
Remarks			

Water Name FISHTRAP CREEK

Parameter Fecal Coliform **Mediu** Water

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

New Segment ID # UI16IQ **Old Segment ID #** WA-01-1115

Stream Route # 2.603 **Water Resource Inventory Area** 1

Township 40N **Waterbody Grid #**

Range 03E **Grid Latitude**

Section 04 **Grid Longitude**

Basis for Consideration of Listing Dickes, 1992 , 3 excursions beyond the upper criterion at station F8 during 2/92 and 3/92.

Remarks

Water Name GALLOP CREEK

Parameter Temperature **Mediu** Water

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

New Segment ID # EO08VO **Old Segment ID #** WA-01-1175

Stream Route # 0 **Water Resource Inventory Area** 1

Township 39N **Waterbody Grid #**

Range 07E **Grid Latitude**

Section 06 **Grid Longitude**

Basis for Consideration of Listing Data collected by the Lummi Tribe (submitted by Dan Neff on 5/10/93) show 26 excursions beyond the criterion between 7/30/92 and 8/30/92.

Remarks

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

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

Water Name	HOWARD CREEK		
Parameter	Fine Sediment	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	AN73PN	Old Segment ID #	WA-01-1290
Stream Route #	0	Water Resource Inventory Area	1
Township	36N	Waterbody Grid #	
Range	06E	Grid Latitude	
Section	13	Grid Longitude	
Basis for Consideration of Listing	<p>The following reference documents habitat alterations: Schuett-Hames, 1988b., mean value of 15.24% in 1984.</p> <p>The following references document impairment of characteristic uses: Doughty, 1987., documented decline in Chinook stock.</p> <p>The following references document human-caused contribution of sediment: Benda, 1993.Gowen, 1989.PEAK NW, 1986a.PEAK NW, 1986b.</p>		
Remarks			

Water Name	HOWARD CREEK		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	AN73PN	Old Segment ID #	WA-01-1290
Stream Route #	0	Water Resource Inventory Area	1
Township	36N	Waterbody Grid #	
Range	06E	Grid Latitude	
Section	13	Grid Longitude	
Basis for Consideration of Listing	<p>Data collected by the Lummi Nation Natural Resources Department (submitted by Leroy Deardorf on 10/29/97) show that 14% of the measurements exceeded the criterion in 7/96.</p>		
Remarks			

Water Name	JOHNSON CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	PL43AX	Old Segment ID #	WA-01-2020
Stream Route #	13.493	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	18	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 5 excursions beyond the upper criterion at station J8 (RM 8.0) in 1988 and 1989.		
Remarks			

Water Name	JOHNSON CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	PL43AX	Old Segment ID #	WA-01-2020
Stream Route #	0	Water Resource Inventory Area	1
Township	41N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	35	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 4 excursions beyond the criterion out of 7 samples (57%) collected at station J1 (RM 1.1) during 1988 and 1989.		
Remarks			

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

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

Water Name	JOHNSON CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	PL43AX	Old Segment ID #	WA-01-2020
Stream Route #	2.392	Water Resource Inventory Area	1
Township	41N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	34	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 5 excursions beyond the upper criterion at station J2 (RM 1.4) in 1988 and 1989.		
Remarks			

Water Name	JOHNSON CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	PL43AX	Old Segment ID #	WA-01-2020
Stream Route #	2.392	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	03	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 4 excursions beyond the upper criterion at station J3 (RM 2.8) in 1988 and 1989.		
Remarks			

Water Name	JOHNSON CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	PL43AX	Old Segment ID #	WA-01-2020
Stream Route #	5.796	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	04	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 7 excursions beyond the upper criterion at station J4 (RM 3.5) in 1988 and 1989.		
Remarks			

Water Name	JOHNSON CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	PL43AX	Old Segment ID #	WA-01-2020
Stream Route #	9.274	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	05	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 6 excursions beyond the upper criterion at station J5 (RM 5.8) in 1988 and 1989.		
Remarks			

Water Name	JOHNSON CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	PL43AX	Old Segment ID #	WA-01-2020
Stream Route #	13.493	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	18	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 5 excursions beyond the criterion out of 7 samples (71%) collected at station J8 (RM 8.0) during 1988 and 1989.		
Remarks			

Water Name	JOHNSON CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	PL43AX	Old Segment ID #	WA-01-2020
Stream Route #	0	Water Resource Inventory Area	1
Township	41N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	35	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 6 excursions beyond the upper criterion at station J1 (RM 1.1) in 1988 and 1989.		
Remarks			

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

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

Water Name	JOHNSON CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	PL43AX	Old Segment ID #	WA-01-2020
Stream Route #	2.392	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	03	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 3 excursions beyond the criterion out of 7 samples (43%) collected at station J3 (RM 2.8) during 1988 and 1989.		
Remarks			

Water Name	JOHNSON CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	PL43AX	Old Segment ID #	WA-01-2020
Stream Route #	2.392	Water Resource Inventory Area	1
Township	41N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	34	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 4 excursions beyond the criterion out of 7 samples (57%) collected at station J2 (RM 1.4) during 1988 and 1989.		
Remarks			

Water Name	JOHNSON CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	PL43AX	Old Segment ID #	WA-01-2020
Stream Route #	2.392	Water Resource Inventory Area	1
Township	41N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	34	Grid Longitude	
Basis for Consideration of Listing	Dickes, 1992. The geometric mean of samples collected at station J2 (on Halverstick Road) within a 30-day period in 3/92 exceed the criteria.		
Remarks			

Water Name	JOHNSON CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	PL43AX	Old Segment ID #	WA-01-2020
Stream Route #	12.778	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	17	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 5 excursions beyond the upper criterion at station J7 (RM 6.8) in 1988 and 1989.		
Remarks			

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

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

Water Name	JOHNSON CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	PL43AX	Old Segment ID #	WA-01-2020
Stream Route #	10.333	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	08	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 4 excursions beyond the criterion out of 7 samples (57%) collected at station J6 (RM 6.4) during 1988 and 1989.		
Remarks			

Water Name	JOHNSON CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	PL43AX	Old Segment ID #	WA-01-2020
Stream Route #	10.333	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	08	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 5 excursions beyond the upper criterion at station J6 (RM 6.4) in 1988 and 1989.		
Remarks			

Water Name	KAMM (STICKNEY) SLOUGH		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	QG38LP	Old Segment ID #	WA-01-1015
Stream Route #	0.022	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	11	Grid Longitude	
Basis for Consideration of Listing	Tetra Tech, 1989 , 5 excursions at RM 4.5 between 10/88 and 9/89.		
Remarks			

Water Name	KAMM (STICKNEY) SLOUGH		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	LS95QH	Old Segment ID #	WA-01-1015
Stream Route #	1.096	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	21	Grid Longitude	
Basis for Consideration of Listing	Tetra Tech, 1989 , 5 excursions beyond the criterion at RM 0.6, between 10/88 and 9/89.; Mathews, et al. 1994, 1 excursion out of 22 samples (4%) beyond the criterion at Site 25 (RM 0.6) in 1994.; Mathews, et al. 1995, 16 excursions out of 26 samples (61%) beyond the criterion at Site 25 (RM 0.6) in 1995.;		
Remarks			

Water Name	KAMM (STICKNEY) SLOUGH		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	LS95QH	Old Segment ID #	WA-01-1015
Stream Route #	1.096	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	21	Grid Longitude	
Basis for Consideration of Listing	Tetra Tech, 1989 , 6 excursions beyond the criterion at RM 0.6 between 10/88 and 9/89.; Mathews, et al. 1994, 20 excursions out of 22 samples (91%) beyond the criterion at Site 25 (RM 0.6) in 1994.; Mathews, et al. 1995, 20 excursions out of 26 samples (77%) beyond the criterion at Site 25 (RM 0.6) in 1995.;		
Remarks			

Water Name	KAMM (STICKNEY) SLOUGH		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	QG38LP	Old Segment ID #	WA-01-1015
Stream Route #	0.022	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	11	Grid Longitude	
Basis for Consideration of Listing	Mathews, et al. 1994, 5 excursions out of 22 samples (23%) beyond the criterion at Site 28 (RM 5.0) in 1994.; Mathews, et al. 1995, 15 excursions out of 26 samples (58%) beyond the criterion at Site 28 (RM 5.0) in 1995.;		
Remarks			

Water Name	KAMM (STICKNEY) SLOUGH		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	QG38LP	Old Segment ID #	WA-01-1015
Stream Route #	0.022	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	11	Grid Longitude	
Basis for Consideration of Listing	Tetra Tech, 1989 , 1 excursion beyond the criterion at RM 4.0; Mathews, et al. 1994, 10 excursions out of 22 samples (45%) beyond the criterion at Site 26 (RM 4.0) in 1994.; Mathews, et al. 1995, 6 excursions out of 26 samples (23%) beyond the criterion at Site 26 (RM 4.0) in 1995.;		
Remarks			

Water Name	KAMM (STICKNEY) SLOUGH		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	AC76JK	Old Segment ID #	WA-01-1015
Stream Route #	0.46	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	15	Grid Longitude	
Basis for Consideration of Listing	Tetra Tech, 1989 , 8 excursions at RM 3.1, (geom. mean with sample size of 1) between 10/88 and 9/89.; Mathews, et al. 1994, 17 excursions) beyond the upper criterion at Site 23 (RM 3.1) in 1994.; Mathews, et al. 1995, 16 excursions beyond the upper criterion at Site 23 (RM 3.1) in 1995.;		
Remarks			

Water Name	KAMM (STICKNEY) SLOUGH		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	QG38LP	Old Segment ID #	WA-01-1015
Stream Route #	0.022	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	11	Grid Longitude	
Basis for Consideration of Listing	Tetra Tech, 1989 , 7 excursions at RM 4.0 (geom. mean with sample size of 1) between 10/88 and 9/89.;		
Remarks			

Water Name	KAMM (STICKNEY) SLOUGH		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed None
New Segment ID #	QG38LP	Old Segment ID #	WA-01-1015
Stream Route #	0.022	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	11	Grid Longitude	
Basis for Consideration of Listing	Tetra Tech, 1989 , 1 excursion at RM 4.5 (geom. mean with sample size of 1)		
Remarks	A single excursion does not meet the Water Quality Program policy for listing.		

Water Name	KAMM (STICKNEY) SLOUGH		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	LS95QH	Old Segment ID #	WA-01-1015
Stream Route #	1.096	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	21	Grid Longitude	
Basis for Consideration of Listing	Tetra Tech, 1989 , 6 excursions beyond the criterion at RM 0.6, (geom. mean with sample size of 1) between 10/88 and 9/89.; Mathews, et al. 1994, 13 excursions beyond the upper criterion at Site 25 (RM 0.6) in 1994.; Mathews, et al. 1995, 13 excursions beyond the upper criterion at Site 25 (RM 0.6) in 1995.		
Remarks			

Water Name	KAMM (STICKNEY) SLOUGH		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	QG38LP	Old Segment ID #	WA-01-1015
Stream Route #	0.022	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	11	Grid Longitude	
Basis for Consideration of Listing	Tetra Tech, 1989 , 4 excursions at RM 4.0, between 10/88 and 9/89.; Mathews, et al. 1994, 4 excursions out of 22 samples (18%) beyond the criterion at Site 26 (RM 4.0) in 1994.; Mathews, et al. 1995, 13 excursions out of 26 samples (50%) beyond the criterion at Site 26 (RM 4.0) in 1995.;		
Remarks			

Water Name	KAMM (STICKNEY) SLOUGH		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	QG38LP	Old Segment ID #	WA-01-1015
Stream Route #	0.022	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	11	Grid Longitude	
Basis for Consideration of Listing	Mathews, et al. 1994, 21 excursions out of 22 samples (95%) beyond the criterion at Site 28 (RM 5.0) in 1994.; Mathews, et al. 1995, 26 excursions out of 26 samples (100%) beyond the criterion at Site 28 (RM 5.0) in 1995.;		
Remarks			

Water Name	KAMM (STICKNEY) SLOUGH		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	AC76JK	Old Segment ID #	WA-01-1015
Stream Route #	0.46	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	15	Grid Longitude	
Basis for Consideration of Listing	Mathews, et al. 1994, 5 excursions out of 22 samples (23%) beyond the criterion at Site 24 (RM 2.5) in 1994.; Mathews, et al. 1995, 17 excursions out of 26 samples (65%) beyond the criterion at Site 24 (RM 2.5) in 1995.;		
Remarks			

Water Name	KAMM (STICKNEY) SLOUGH		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	AC76JK	Old Segment ID #	WA-01-1015
Stream Route #	0.46	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	15	Grid Longitude	
Basis for Consideration of Listing	Mathews, et al. 1994, 10 excursions out of 22 samples (45%) beyond the criterion at Site 24 (RM 2.5) in 1994.; Mathews, et al. 1995, 15 excursions out of 26 samples (58%) beyond the criterion at Site 24 (RM 2.5) in 1995.;		
Remarks			

Water Name	KAMM (STICKNEY) SLOUGH		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	AC76JK	Old Segment ID #	WA-01-1015
Stream Route #	0.46	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	15	Grid Longitude	
Basis for Consideration of Listing	Mathews, et al. 1994, 9 excursions out of 22 samples (41%) beyond the criterion at Site 23 (RM 3.1) in 1994.; Mathews, et al. 1995, 4 excursions out of 26 samples (15%) beyond the criterion at Site 23 (RM 3.1) in 1995.;		
Remarks			

Water Name	KAMM (STICKNEY) SLOUGH		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	QG38LP	Old Segment ID #	WA-01-1015
Stream Route #	0.022	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	11	Grid Longitude	
Basis for Consideration of Listing	Mathews, et al. 1994, 6 excursions beyond the upper criterion at Site 28 (RM 5.0) in 1994.; Mathews, et al. 1995, 14 excursions beyond the upper criterion at Site 28 (RM 5.0) in 1995.		
Remarks			

Water Name	KAMM (STICKNEY) SLOUGH		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	AC76JK	Old Segment ID #	WA-01-1015
Stream Route #	0.46	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	15	Grid Longitude	
Basis for Consideration of Listing	Tetra Tech, 1989 , 4 excursions at RM 3.1, between 10/88 and 9/89.' Mathews, et al. 1994, 9 excursions out of 22 samples (41%) beyond the criterion at Site 23 (RM 3.1) in 1994.; Mathews, et al. 1995, 18 excursions out of 26 samples (69%) beyond the criterion at Site 23 (RM 3.1) in 1995.;		
Remarks			

Water Name	LUMMI BAY AND HALE PASSAGE		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0070
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H6J8
Range		Grid Latitude	48.795
Section		Grid Longitude	122.685
Basis for Consideration of Listing	Cleland, 1985. Excursions beyond the upper criterion at station 1.		
Remarks	This waterbody is entirely on the Lummi Indian Reservation and does not fall under the jurisdiction of the state.		

Water Name	LUMMI BAY AND HALE PASSAGE		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0070
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122H6B3
Range		Grid Latitude	48.715
Section		Grid Longitude	122.635
Basis for Consideration of Listing	Cleland, 1985. Excursions beyond the upper criterion at stations 10, 11, 12, and 14.		
Remarks	This waterbody is entirely on the Lummi Indian Reservation and does not fall under the jurisdiction of the state.		

Water Name LUMMI BAY AND HALE PASSAGE

Parameter Fecal Coliform **Mediu** Water

Place on 1998 List? Yes **Listed in 1996** No **Action Needed** TMDL

New Segment ID # 390KRD **Old Segment ID #** WA-01-0070

Stream Route # **Water Resource Inventory Area**

Township **Waterbody Grid #** 48122H6C6

Range **Grid Latitude**

Section **Grid Longitude**

Basis for Consideration of Listing Cleland, 1985. Excursions beyond the upper criterion at station 8.

Remarks

Water Name LUMMI RIVER

Parameter Fecal Coliform **Mediu** Water

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

New Segment ID # YI44ML **Old Segment ID #** WA-01-3300

Stream Route # **Water Resource Inventory Area**

Township 39N **Waterbody Grid #**

Range 02E **Grid Latitude**

Section 31 **Grid Longitude**

Basis for Consideration of Listing Deardorff, 1994. , Multiple excursions beyond the upper criterion at RM 4.0 (just upstream of the reservation boundary) during 1994.

Remarks

Water Name	MORMON DITCH		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	LS95QH	Old Segment ID #	WA-01-1016
Stream Route #	3.195	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	22	Grid Longitude	
Basis for Consideration of Listing	Tetra Tech, 1989 , 7 excursions beyond the criterion (geom. mean with sample size of 1) at RM 0.5 between 11/88 and 9/89.; Mathews, et al. 1994, 13 excursions beyond the upper criterion at Northwood Road (RM 0.5) in 1994. ; Mathews, et al. 1995, 14 excursions beyond the upper criterion at Northwood Road (RM 0.5) in 1995.		
Remarks			

Water Name	MORMON DITCH		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	LS95QH	Old Segment ID #	WA-01-1016
Stream Route #	3.195	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	22	Grid Longitude	
Basis for Consideration of Listing	Tetra Tech, 1989 , 8 excursions beyond the criterion at RM 0.5 between 11/88 and 9/89.; Mathews, et al. 1994, 8 excursions out of 25 samples (32%) beyond the criterion at Northwood Road (RM 0.5) in 1994.; Mathews, et al. 1996, 21 excursions out of 26 samples (81%) beyond the criterion at Northwood Road (RM 0.5) in 1994.		
Remarks			

Water Name	MORMON DITCH		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	LS95QH	Old Segment ID #	WA-01-1016
Stream Route #	3.195	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	22	Grid Longitude	
Basis for Consideration of Listing	Tetra Tech, 1989 , 10 excursions beyond the criterion at RM 0.5 between 11/88 and 9/89.; Mathews, et al. 1994, 19 excursions out of 25 samples (76%) beyond the criterion at Northwood Road (RM 0.5) in 1994.; Mathews, et al. 1995, 17 excursions out of 26 samples (65%) beyond the criterion at Northwood Road (RM 0.5) in 1995.		
Remarks			

Water Name	NOOKSACK RIVER		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	ZA83VD	Old Segment ID #	WA-01-1010
Stream Route #	6.181	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	32	Grid Longitude	
Basis for Consideration of Listing	6 excursions beyond the criterion out of 33 samples (18%) at Ecology ambient monitoring station 01A050 (RM 3.4) between 9/91 and 9/96.		
Remarks			

Water Name	NOOKSACK RIVER		
Parameter	Fine Sediment	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	OS27OC	Old Segment ID #	WA-01-1080
Stream Route #	31.722	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	07E	Grid Latitude	
Section	03	Grid Longitude	
Basis for Consideration of Listing	<p>The following references document habitat alterations: Schuett-Hames, 1984a and Schuett-Hames, 1988b.(same data) , 14% in 1983; The following references document impairment of characteristic uses: Doughty, 1987 , documented decline in Chinook stock; SASSI, 1993. , Chinook stock listed as critical. The following references document human-caused contribution of sediment: Benda, 1993. Gowen, 1989. PEAK NW, 1986a.PEAK NW, 1986b.</p>		
Remarks			

Water Name	NOOKSACK RIVER		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	ZA83VD	Old Segment ID #	WA-01-1010
Stream Route #	2.918	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	08	Grid Longitude	
Basis for Consideration of Listing	<p>Cochran, 1990. 22 excursions beyond the upper criterion at RM 1.5 between 1988 and 1990.</p>		
Remarks			

Water Name	NOOKSACK RIVER		
Parameter	Chromium	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	ZA83VD	Old Segment ID #	WA-01-1010
Stream Route #	6.181	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	32	Grid Longitude	
Basis for Consideration of Listing	1 excursion beyond the criterion at Ecology ambient monitoring station 01A050 (RM 3.4) between 9/91 and 9/96.		
Remarks	A single excursion beyond the criterion does not violate the water quality standards		

Water Name	NOOKSACK RIVER		
Parameter	Mercury	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	ZA83VD	Old Segment ID #	WA-01-1010
Stream Route #	6.181	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	32	Grid Longitude	
Basis for Consideration of Listing	<p>13 excursions beyond the chronic criterion at Ecology ambient monitoring station 01A050 (RM 3.4) between 1987 and 1991 (these data are likely unreliable due to high detection limits per Dave Hallock memo dated 10/31/97).</p> <p>1 excursion beyond the chronic criterion out of 24 samples at Ecology ambient monitoring station 01A050 (RM 3.4) between 10/90 and 9/97.</p>		
Remarks	The older data for which the segment was proposed are likely unreliable due to high detection limits (per Dave Hallock memo dated 10/31/97). New data show that standards are being met. A single excursion beyond the criterion within a three year period meets water quality standards.		

Water Name	NOOKSACK RIVER		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	ZA83VD	Old Segment ID #	WA-01-1020
Stream Route #	48.006	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	28	Grid Longitude	
Basis for Consideration of Listing	One excursion beyond the criterion at Ecology ambient monitoring station 01A120 (RM 30.8) in 6/93.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

Water Name	NOOKSACK RIVER, M.F.		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed <input type="checkbox"/> TMDL
New Segment ID #	UL53CF	Old Segment ID #	WA-01-1060
Stream Route #	5.107	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	05E	Grid Latitude	
Section	11	Grid Longitude	
Basis for Consideration of Listing	Data submitted by Dan Neff of the Lummi Tribe show 8 excursions beyond the criterion between 7/30/92 and 9/4/92.		
Remarks			

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

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

Water Name	NOOKSACK RIVER, S.F.		
Parameter	Instream Flow	Mediu	Habitat
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> Other Control
New Segment ID #	CQ54VT	Old Segment ID #	WA-01-1030
Stream Route #	5.176	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	05E	Grid Latitude	
Section	19	Grid Longitude	
Basis for Consideration of Listing	<p>USGS gage 12209000 data (RM 5.0) collected from 1980-1993 shows that minimum flows set by WAC were not met an average of 81% of the time between June 1 and October 31. Washington Department of Ecology, 1995. , Spring and Summer Chinook require deep holding pools with consistent flows. Low summer and fall flows impact these Chinook stock. Stocks of Spring-Summer Chinook, Spring-Summer Coho, Winter Steelhead, Summer Steelhead and Sea-run Cutthroat are considered to be at risk for extinction. A large number of water rights and claims have been catalogued.; SASSI, 1993 , Spring Chinook stock are critical.; Nehlson, et al. 1992. , Spring-Summer Chinook Salmon have a high risk of extinction. Two segments of the river (WA-01-1030 and WA-01-1040) meet all the Water Quality Program Policy criteria for inadequate instream flow and have been added to the list. The information compiled shows that the WAC instream flows from June through October have not been met from 71 to 98% of the days each year. The river has a critical spring Chinook stock.</p>		
Remarks	Mistakenly listed old segment WA-01-1040 based on measured flows at the USGS gage at RM 5.0.		

Water Name	NOOKSACK RIVER, S.F.		
Parameter	Fine Sediment	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	CQ54VT	Old Segment ID #	WA-01-1040
Stream Route #	34.205	Water Resource Inventory Area	1
Township	36N	Waterbody Grid #	
Range	06E	Grid Latitude	
Section	20	Grid Longitude	
Basis for Consideration of Listing	<p>The following reference documents habitat alterations: Schuett-Hames, 1984a , 10.7% in 1982; Schuett-Hames, 1988b. , mean value 11.7% from 1982-1987. The following references document impairment of characteristic uses: Doughty, 1987 , documented decline in Chinook stock; SASSI, 1993. , Chinook stock listed as critical. The following references document human-caused contribution of sediment: Benda, 1993.CES, 1993.Gowen, 1989.PEAK NW, 1986a.PEAK NW, 1986b.</p>		
Remarks	Proposed old segment WA-01-1030 in error. The data were collected far upstream on old segment WA-01-1040.		

Water Name	PANGBORN CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	PJ69OE	Old Segment ID #	WA-01-2040
Stream Route #	3.02	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	01	Grid Longitude	
Basis for Consideration of Listing	<p>Dickes and Merrill, 1990. 4 excursions beyond the upper criterion at station P3 (RM 1.5) in 1988 and 1989.</p>		
Remarks			

Water Name PANGBORN CREEK

Parameter Fecal Coliform **Mediu** Water

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

New Segment ID # PJ69OE **Old Segment ID #** WA-01-2040

Stream Route # 0 **Water Resource Inventory Area** 1

Township 40N **Waterbody Grid #**

Range 04E **Grid Latitude**

Section 05 **Grid Longitude**

Basis for Consideration of Listing Dikes and Merrill, 1990. 6 excursions beyond the upper criterion at station P1 (RM 0.1) in 1988 and 1989.

Remarks

Water Name PANGBORN CREEK

Parameter pH **Mediu** Water

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

New Segment ID # PJ69OE **Old Segment ID #** WA-01-2040

Stream Route # 1.37 **Water Resource Inventory Area** 1

Township 40N **Waterbody Grid #**

Range 04E **Grid Latitude**

Section 06 **Grid Longitude**

Basis for Consideration of Listing Dikes and Merrill, 1990. 2 excursions beyond the criterion out of 7 samples (28%) at station P2 (RM 0.7) in 1988 and 1989.

Remarks

Water Name	PANGBORN CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	PJ69OE	Old Segment ID #	WA-01-2040
Stream Route #	3.02	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	01	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 7 excursions beyond the criterion out of 7 samples (100%) collected at station P3 (RM 1.5) during 1988 and 1989.		
Remarks			

Water Name	PANGBORN CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	PJ69OE	Old Segment ID #	WA-01-2040
Stream Route #	1.37	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	06	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 6 excursions beyond the upper criterion at station P2 (RM 0.7) in 1988 and 1989.		
Remarks			

Water Name PANGBORN CREEK

Parameter Dissolved Oxygen **Mediu** Water

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

New Segment ID # PJ69OE **Old Segment ID #** WA-01-2040

Stream Route # 1.37 **Water Resource Inventory Area** 1

Township 40N **Waterbody Grid #**

Range 04E **Grid Latitude**

Section 06 **Grid Longitude**

Basis for Consideration of Listing Dickes and Merrill, 1990. 3 excursions beyond the criterion out of 7 samples (43%) collected at station P2 (RM 0.7) during 1988 and 1989.

Remarks

Water Name PANGBORN CREEK

Parameter pH **Mediu** Water

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

New Segment ID # PJ69OE **Old Segment ID #** WA-01-2040

Stream Route # 3.02 **Water Resource Inventory Area** 1

Township 40N **Waterbody Grid #**

Range 03E **Grid Latitude**

Section 01 **Grid Longitude**

Basis for Consideration of Listing Dickes and Merrill, 1990. 2 excursions beyond the criterion out of 7 samples (28%) at station P3 (RM 1.5) in 1988 and 1989.

Remarks

Water Name	RACEHORSE CREEK		
Parameter	Fine Sediment	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	HM16MY	Old Segment ID #	WA-01-1145
Stream Route #	0	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	05E	Grid Latitude	
Section	10	Grid Longitude	
Basis for Consideration of Listing	<p>The following reference documents habitat alterations: Schuett-Hames, 1984a. , 19.7% in 1983. Schuett-Hames, 1988b. , 17.8% in 1985. The following references document impairment of characteristic uses: Schuett-Hames, 1987 , documented decline in Chinook stock; Doughty, 1987., documented decline in Chinook stock. The following references document human-caused contribution of sediment: Benda, 1993.Gowen, 1989.PEAK NW, 1986a.PEAK NW, 1986b.</p>		
Remarks			

Water Name	RACEHORSE CREEK		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	HM16MY	Old Segment ID #	WA-01-1145
Stream Route #	0	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	05E	Grid Latitude	
Section	10	Grid Longitude	
Basis for Consideration of Listing	<p>Data collected by the Lummi Tribe (submitted by Dan Neff on 5/10/93) show 32 excursions beyond the criterion between 7/24/92 and 9/4/92.</p>		
Remarks			

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

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

Water Name	SILVER CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	WO95OB	Old Segment ID #	WA-01-1101
Stream Route #	4.447	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	33	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993), 8 excursions beyond the criterion out of 55 samples (15%) between 7/91 and 5/93 at Site 5 (RM 3.0).		
Remarks			

Water Name	SILVER CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	WO95OB	Old Segment ID #	WA-01-1101
Stream Route #	0.13	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	08	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993), 9 excursions beyond the upper criterion between 7/91 and 5/93 at Site 3 (RM 1.7).		
Remarks			

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

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

Water Name	SILVER CREEK		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	GE07EK	Old Segment ID #	WA-01-1101
Stream Route #	0.799	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	99	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993), 1 excursion beyond the criterion out of 55 samples (2%) between 7/91 and 5/93 at Site 1 (RM 0.5).		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

Water Name	SILVER CREEK		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	PI87SF	Old Segment ID #	WA-01-1101
Stream Route #	0.285	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	03	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993), 1 excursion beyond the criterion out of 55 samples (2%) between 7/91 and 5/93 at Site 8 (RM 4.6).		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

Water Name	SILVER CREEK		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	WO95OB	Old Segment ID #	WA-01-1101
Stream Route #	4.447	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	33	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993), 1 excursion beyond the criterion out of 55 samples (2%) between 7/91 and 5/93 at Site 5 (RM 3.0).		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

Water Name	SILVER CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed <input type="checkbox"/> TMDL
New Segment ID #	WO95OB	Old Segment ID #	WA-01-1101
Stream Route #	2.592	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	04	Grid Longitude	
Basis for Consideration of Listing	13 excursions beyond the criterion out of 23 samples (57%) at Ecology ambient monitoring station 01B050 (RM 2.5) between 9/91 and 9/96;		
Remarks			

Water Name	SILVER CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	WO95OB	Old Segment ID #	WA-01-1101
Stream Route #	2.592	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	04	Grid Longitude	
Basis for Consideration of Listing	7 excursions beyond the criterion out of 21 samples (33%) at Ecology ambient monitoring station 01B050 (RM 2.5) between 9/91 and 9/96;		
Remarks			

Water Name	SILVER CREEK		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	GE07EK	Old Segment ID #	WA-01-1101
Stream Route #	0.346	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	17	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993), 1 excursion beyond the criterion out of 55 samples (2%) between 7/91 and 5/93 at Site 1 (RM 0.5).		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

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

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

Water Name	SILVER CREEK		
Parameter	Arsenic	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	WO95OB	Old Segment ID #	WA-01-1101
Stream Route #	0.13	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	08	Grid Longitude	
Basis for Consideration of Listing	Four excursions beyond the criterion at US EPA station 11B027 between 7/1/87 and 7/1/91.		
Remarks	<p>Since there are no known or probable pollution sources, these excursions beyond the criterion are likely due to a natural condition with no direct human caused influence based on the 6/97 judgement of John Glynn (Dept. of Ecology).;</p> <p>There is significant uncertainty regarding the accuracy of the current arsenic criteria for human health. Even EPA is reluctant to impose the criteria (62 FR 42179, August 5, 1997) that they promulgated on Washington State through the national toxic rule. Ecology is currently considering revising the arsenic standard.</p>		

Water Name	SILVER CREEK		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	WO95OB	Old Segment ID #	WA-01-1101
Stream Route #	0.13	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	08	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993), 3 excursions beyond the criterion out of 55 samples (5%) between 7/91 and 5/93 at Site 3 (RM 1.7).		
Remarks	The data do not meet the Water Quality Program policy for listing.		

Water Name	SILVER CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	PI87SF	Old Segment ID #	WA-01-1101
Stream Route #	0.285	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	03	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993), 15 excursions beyond the upper criterion between 7/91 and 5/93 at Site 8 (RM 4.6).		
Remarks			

Water Name	SILVER CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	WO95OB	Old Segment ID #	WA-01-1101
Stream Route #	4.447	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	33	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993), 18 excursions beyond the upper criterion between 7/91 and 5/93 at Site 5 (RM 3.0).		
Remarks			

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

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

Water Name	SQUAW CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	GF74PM	Old Segment ID #	WA-01-2050
Stream Route #	0	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	08	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 4 excursions beyond the upper criterion at station S1 (RM 0.2) in 1988 and 1989.		
Remarks			

Water Name	SQUAW CREEK		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	GF74PM	Old Segment ID #	WA-01-2050
Stream Route #	2.698	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	12	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 2 excursions beyond the criterion out of 7 samples (28%) at station S3 (RM 1.4) in 1988 and 1989.		
Remarks			

Water Name	SQUAW CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	GF74PM	Old Segment ID #	WA-01-2050
Stream Route #	0	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	08	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 4 excursions beyond the criterion out of 7 samples (57%) collected at station S1 (RM 0.2) during 1988 and 1989.		
Remarks			

Water Name	SQUAW CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	GF74PM	Old Segment ID #	WA-01-2050
Stream Route #	2.698	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	12	Grid Longitude	
Basis for Consideration of Listing	Dickes and Merrill, 1990. 3 excursions beyond the upper criterion at station S3 (RM 1.4) in 1988 and 1989.		
Remarks			

Water Name	STRAIT OF GEORGIA		
Parameter	Phenanthrene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Heffner, 1989. , sediment above marine standards near Intalco outfall.		
Remarks	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.		

Water Name	STRAIT OF GEORGIA		
Parameter	Pyrene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Heffner, 1989. , sediment above marine standards near Intalco outfall.		
Remarks	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.		

Water Name	STRAIT OF GEORGIA		
Parameter	Phenanthrene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Intalco site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	STRAIT OF GEORGIA		
Parameter	Dibenz(a,h)anthracene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Intalco site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	STRAIT OF GEORGIA		
Parameter	Indeno(1,2,3-cd)pyrene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Intalco site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	STRAIT OF GEORGIA		
Parameter	Benzo(a)pyrene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Intalco site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	STRAIT OF GEORGIA		
Parameter	Benz(a)anthracene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Intalco site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	STRAIT OF GEORGIA		
Parameter	Chrysene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Intalco site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	STRAIT OF GEORGIA		
Parameter	Benzo(b,k)fluoranthenes	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Intalco site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	STRAIT OF GEORGIA		
Parameter	Benzo(ghi)perylene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Intalco site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	STRAIT OF GEORGIA		
Parameter	Acenaphthene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Intalco site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	STRAIT OF GEORGIA		
Parameter	Fluorene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Intalco site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	STRAIT OF GEORGIA		
Parameter	Total PCBs	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Intalco site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	STRAIT OF GEORGIA		
Parameter	Dibenzofuran	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Intalco site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	STRAIT OF GEORGIA		
Parameter	Cadmium	Mediu	Sediment
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Intalco site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	STRAIT OF GEORGIA		
Parameter	Total PCBs	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Heffner, 1989. , sediment above marine standards near Intalco outfall;		
Remarks	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.		

Water Name	STRAIT OF GEORGIA		
Parameter	Anthracene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Intalco site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	STRAIT OF GEORGIA		
Parameter	Sediment Bioassay	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7G5
Range		Grid Latitude	48.865
Section		Grid Longitude	122.755
Basis for Consideration of Listing	Heffner and Serdar, 1993. , amphipod and echinoderm larvae mortality was observed at the edge of the dilution zone for the ARCO Cherry Point Refinery		
Remarks	The confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) for marine waters 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 in marine waters has been completed. This information should not be used for listing the segment until the confirmed as sites according to the standards for marine waters.		

Water Name	STRAIT OF GEORGIA		
Parameter	Pyrene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Intalco site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	STRAIT OF GEORGIA		
Parameter	Fluoranthene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-01-0010
Stream Route #		Water Resource Inventory Area	1
Township		Waterbody Grid #	48122I7E1
Range		Grid Latitude	48.845
Section		Grid Longitude	122.715
Basis for Consideration of Listing	Intalco site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

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

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

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

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

Water Name	SUMAS RIVER		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	MS54MP	Old Segment ID #	WA-01-2010
Stream Route #	32.094	Water Resource Inventory Area	1
Township	41N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	36	Grid Longitude	
Basis for Consideration of Listing	Cusimano, 1992.. 2 excursion beyond the upper criterion collected at RM 13.4 in 9/91.		
Remarks			

Water Name	SUMAS RIVER		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	MS54MP	Old Segment ID #	WA-01-2010
Stream Route #	32.094	Water Resource Inventory Area	1
Township	41N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	36	Grid Longitude	
Basis for Consideration of Listing	4 excursions beyond the criterion out of 12 samples (33%) at Ecology ambient monitoring station 01D070 (RM 11.9) between 9/91 and 9/96.		
Remarks	TMDL submitted on 2/9/96 and approved by EPA on 4/29/96.		

Water Name	SUMAS RIVER		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	MS54MP	Old Segment ID #	WA-01-2010
Stream Route #	34.863	Water Resource Inventory Area	1
Township	40N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	02	Grid Longitude	
Basis for Consideration of Listing	Cusimano, 1992. 1 excursion beyond the criterion out of 2 samples at RM 14.8 on 9/25/91.		
Remarks	TMDL submitted on 2/9/96 and approved by EPA on 4/29/96. A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

Water Name	SUMAS RIVER		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed <input type="checkbox"/> TMDL
New Segment ID #	MS54MP	Old Segment ID #	WA-01-2010
Stream Route #	32.094	Water Resource Inventory Area	1
Township	41N	Waterbody Grid #	
Range	04E	Grid Latitude	
Section	36	Grid Longitude	
Basis for Consideration of Listing	9 excursions beyond the criterion out of 9 samples (100%) at Ecology ambient monitoring station 01D070 (RM 11.9) between 9/91 and 9/96.		
Remarks			

Water Name	TENMILE CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	FY02EA	Old Segment ID #	WA-01-1012
Stream Route #	0.424	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	20	Grid Longitude	
Basis for Consideration of Listing	Whatcom County Conservation District, 1990. Shows no water quality data to support a listing.		
Remarks	TMDL based on Watershed Action Plan submitted to EPA on 8/25/92; EPA determined TMDL was incomplete on 4/8/93. The stream was proposed for listing based on the cited reference in error. The Tenmile Creek Watershed Management Plan (WCCD, 1990) does not contain any data that would support a listing.		

Water Name	TENMILE CREEK		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	FY02EA	Old Segment ID #	WA-01-1012
Stream Route #	0.424	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	20	Grid Longitude	
Basis for Consideration of Listing	Whatcom County Conservation District, 1990. Shows no water quality data to support a listing.		
Remarks	TMDL based on Watershed Action Plan submitted to EPA on 8/25/92;EPA determined TMDL was incomplete on 4/8/93. The stream was proposed for listing based on the cited reference in error. The Tenmile Creek Watershed Management Plan (WCCD, 1990) does not contain any data that would support a listing.		

Water Name	TENMILE CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	FY02EA	Old Segment ID #	WA-01-1012
Stream Route #	0.424	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	20	Grid Longitude	
Basis for Consideration of Listing	Whatcom County Conservation District, 1990. Shows no water quality data to support a listing.		
Remarks	TMDL based on Watershed Action Plan submitted to EPA on 8/25/92; EPA determined TMDL was incomplete on 4/8/93. The stream was proposed for listing based on the cited reference in error. The Tenmile Creek Watershed Management Plan (WCCD, 1990) does not contain any data that would support a listing.		

Water Name	TENMILE CREEK		
Parameter	Ammonia-N	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	FY02EA	Old Segment ID #	WA-01-1012
Stream Route #	0.424	Water Resource Inventory Area	1
Township	39N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	20	Grid Longitude	
Basis for Consideration of Listing	Whatcom County Conservation District, 1990. Shows no water quality data to support a listing.		
Remarks	TMDL based on Watershed Action Plan submitted to EPA on 8/25/92; EPA determined TMDL was incomplete on 4/8/93. The stream was proposed for listing based on the cited reference in error. The Tenmile Creek Watershed Management Plan (WCCD, 1990) does not contain any data that would support a listing.		

Water Name	TENNANT CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	EL82JG	Old Segment ID #	WA-01-1103
Stream Route #	0	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	04	Grid Longitude	
Basis for Consideration of Listing	Silver Creek Watershed Management Committee, 1989. , 5 excursions beyond the criterion at Site 4 (RM 1.0) in 1988.; Western Washington University (1993), 18 excursions beyond the criterion out of 55 samples (33%) between 7/91 and 5/93 at Site 4 (RM 1.0).		
Remarks			

Water Name	TENNANT CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	EL82JG	Old Segment ID #	WA-01-1103
Stream Route #	0	Water Resource Inventory Area	1
Township	28N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	04	Grid Longitude	
Basis for Consideration of Listing	Silver Creek Watershed Management Committee, 1989. , 4 excursions beyond the criterion at Site 4 (RM 1.0) in 1988.; Western Washington University (1993), 6 excursions beyond the upper criterion between 7/91 and 5/93 at Site 4 (RM 1.0).		
Remarks			

Water Name	TENNANT CREEK		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	EL82JG	Old Segment ID #	WA-01-1103
Stream Route #	0	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	04	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993), 2 excursions beyond the criterion out of 55 samples (4%) between 7/91 and 5/93 at Site 4 (RM 1.0).		
Remarks	The data do not meet the Water Quality Program policy for listing.		

Water Name	UNNAMED CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed <input type="checkbox"/> TMDL
New Segment ID #	YT51FZ	Old Segment ID #	WA-01-1102
Stream Route #	0.097	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	99	Grid Longitude	
Basis for Consideration of Listing	Silver Creek Watershed Management Committee, 1989. , 3 excursions beyond the criterion at Site 2 (Unnamed Creek WDF# 01.0126 at RM 0.1) on 4/5/88, 5/11/88, and 6/15/88.; Western Washington University (1993), 3 excursions beyond the upper criterion between 7/91 and 7/92 at Site 2 (RM 0.1).		
Remarks			

Water Name	UNNAMED CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	YT51FZ	Old Segment ID #	WA-01-1102
Stream Route #	0.097	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	99	Grid Longitude	
Basis for Consideration of Listing	Silver Creek Watershed Management Committee, 1989. , 2 excursions beyond the criterion at Site 2 (Unnamed Creek WDF# 01.126 at RM 0.1) on 6/15/88 and 11/10/88.; Western Washington University (1993), 7 excursions beyond the criterion out of 24 samples (29%) between 7/91 and 7/92 at Site 2 (RM 0.1).		
Remarks			

Water Name	UNNAMED CREEK WDF# 01.0146		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	PI87SF	Old Segment ID #	None3
Stream Route #	0.744	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	02	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993),1 excursion beyond the criterion out of 30 samples (3%) between 7/91 and 7/92 at Site 9A (Unnamed Creek WDF# 01.0146 at RM 0.3).		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

Water Name	UNNAMED CREEK WDF# 01.0146		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	XS91YS	Old Segment ID #	None3
Stream Route #	0.473	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	11	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993), 7 excursions beyond the criterion between 9/92 and 5/93 at Site 10 (Unnamed Creek WDF# 01.0146 at RM 0.8).		
Remarks			

Water Name	UNNAMED CREEK WDF# 01.0146		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	PI87SF	Old Segment ID #	None3
Stream Route #	0.744	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	02	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993), 6 excursions beyond the upper criterion between 7/91 and 7/92 at Site 9A (Unnamed Creek WDF# 01.0146 at RM 0.3).		
Remarks			

Water Name	UNNAMED CREEK WDF# 01.0146		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	PI87SF	Old Segment ID #	None3
Stream Route #	0.744	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	02	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993), 6 excursions beyond the criterion out of 30 samples (20%) between 7/91 and 7/92 at Site 9A (Unnamed Creek WDF# 01.0146 at RM 0.3).		
Remarks			

Water Name	UNNAMED CREEK WDF# 01.0148		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	PC85CB	Old Segment ID #	None4
Stream Route #	0.81	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	03	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993), 5 excursions beyond the upper criterion between 9/92 and 5/93 at Site 9 (Unnamed Creek WDF# 01.0148 at RM 0.5).		
Remarks			

Water Name	UNNAMED CREEK WDF# 01.0148		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	PC85CB	Old Segment ID #	None4
Stream Route #	0.81	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	03	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993), 1 excursion beyond the criterion out of 25 samples (3%) between 9/92 and 5/93 at Site 9 (Unnamed Creek WDF# 01.0148 at RM 0.5).		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

Water Name	UNNAMED CREEK WDF# 01.0148		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	PC85CB	Old Segment ID #	None4
Stream Route #	0.81	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	03	Grid Longitude	
Basis for Consideration of Listing	Western Washington University (1993), 1 excursion beyond the criterion out of 25 samples (3%) between 9/92 and 5/93 at Site 9 (Unnamed Creek WDF# 01.0148 at RM 0.5).		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

Water Name	WHATCOM CREEK		
Parameter	Pentachlorophenol	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	EZ19GC	Old Segment ID #	WA-01-3110
Stream Route #	2.176	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	29	Grid Longitude	
Basis for Consideration of Listing	Kendra, 1988. One excursion beyond the criterion on Fever Creek below Brooks Lumber .		
Remarks	One excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

Water Name	WHATCOM CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	EZ19GC	Old Segment ID #	WA-01-3110
Stream Route #	0.027	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	30	Grid Longitude	
Basis for Consideration of Listing	3 excursions beyond the criterion out of 12 samples (25%) at Ecology ambient monitoring station 01E050 (RM 0.25) between 9/91 and 9/96;		
Remarks			

Water Name	WHATCOM CREEK		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	EZ19GC	Old Segment ID #	WA-01-3110
Stream Route #	0.027	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	30	Grid Longitude	
Basis for Consideration of Listing	3 excursions beyond the criterion out of 12 samples (25%) at Ecology ambient monitoring station 01E050 (RM 0.25) between 9/91 and 9/96;		
Remarks			

Water Name	WHATCOM LAKE		
Parameter	Total Phosphorus	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	205VNG	Old Segment ID #	WA-01-9170
Stream Route #	0	Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	28	Grid Longitude	
Basis for Consideration of Listing	Completed Phase I in 1988 - Problems Encountered: Tributary nutrient inputs, localized/embayment water quality deterioration.		
Remarks	Active Phase II State Clean Lakes Restoration Project: Numerous control measures are underway based on the Phase I study. Watershed nutrient management (timber harvesting, septic system management, ordinance development) structural storm water controls, public education. Implementation of control measures are continuing (see letter and attachments to Steve Butkus from Sue Balke dated 10/29/97). Post implementation monitoring will continue through 1997. The City of Bellingham in cooperation with Western Washington University have extensively monitored lake conditions for 30 years and has committed to continue this monitoring. The most recent monitoring data appears in Mathews and Mathews, 1995. The above information meets EPA guidance for excluding the lake from the list under federal regulation 40 CFR130.7(b)(1)(iii).		

Water Name	WHATCOM LAKE		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	205VNG	Old Segment ID #	WA-01-9170
Stream Route #		Water Resource Inventory Area	1
Township	38N	Waterbody Grid #	48122H4G1
Range	03E	Grid Latitude	48.765
Section	28	Grid Longitude	122.415
Basis for Consideration of Listing	Mathews, et al. 1997. Erickson, 1997. Pelletier, 1998. Data from the past ten years show increasing rates of oxygen depletion with depth at Site 1 in September. These dissolved oxygen data indicate a declining trend in dissolved oxygen over time at this site.		
Remarks			