

Final 1998 Section 303(d) List - WRIA 61

Water Name	CEDAR CREEK, E.F.		
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 #	GN46SA	Old Segment ID #	WA-61-8910
Stream Route #	3.818	Water Resource Inventory Area	61
Township	40N	Waterbody Grid #	
Range	42E	Grid Latitude	
Section	17	Grid Longitude	
Basis for Consideration of Listing	4 excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140203 on 4/30/74, 5/22/74, 4/3/91 and 5/2/91.		
Remarks	Comments received by Jerry Coleman (Colville National Forest) on 5/29/97 state that the excursions are a natural conditions due to the geology of the area. Jean Parodi and Mike Hepp (Dept. of Ecology - 6/97 judgment) concur with the comment since the station is located in an area with fault/carbonate geology which is likely to have an effect on stream pH. Since these excursions are not a violation the standards, the segment should not be listed for pH based on these data.		

Water Name	CROWN CREEK		
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 #	NZ68WD	Old Segment ID #	WA-61-5100
Stream Route #	0.369	Water Resource Inventory Area	61
Township	39N	Waterbody Grid #	
Range	38E	Grid Latitude	
Section	02	Grid Longitude	
Basis for Consideration of Listing	2 excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140213 on 7/11/90 and 9/5/91.		
Remarks	Comments received by Jerry Coleman (Colville National Forest) on 5/29/97 state that the excursions are a natural conditions due to the geology of the area. Jean Parodi and Mike Hepp (Dept. of Ecology - 7/97 judgment) concur with the comment since the station is located in an area with fault/carbonate type of geology which is likely to have a significant effect on stream pH. Since these excursions are not a violation the standards, the segment should not be listed for pH based on these data.		

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 DEEP CREEK, S.F.

Parameter Temperature **Mediu** Water

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

New Segment ID # CB96ZS **Old Segment ID #** WA-61-7100

Stream Route # 7.478 **Water Resource Inventory Area** 61

Township 38N **Waterbody Grid #**

Range 41E **Grid Latitude**

Section 29 **Grid Longitude**

Basis for Consideration of Listing Rashin and Graber, 1992 , 12 excursions beyond the criterion measured between 8/1/90 and 8/15/90.;

Remarks

Water Name FLAT CREEK

Parameter Dissolved Oxygen **Mediu** Water

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

New Segment ID # VO11DV **Old Segment ID #** WA-61-5000

Stream Route # 8.967 **Water Resource Inventory Area** 61

Township 39N **Waterbody Grid #**

Range 38E **Grid Latitude**

Section 09 **Grid Longitude**

Basis for Consideration of Listing 1 excursion beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140211 on 5/5/81.

Remarks A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.

Water Name	FLAT 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 #	VO11DV	Old Segment ID #	WA-61-5000
Stream Route #	8.967	Water Resource Inventory Area	61
Township	39N	Waterbody Grid #	
Range	38E	Grid Latitude	
Section	09	Grid Longitude	
Basis for Consideration of Listing	4 excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140211 in 1991 and 1992.		
Remarks			

Water Name	FRANKLIN D. ROOSEVELT LAKE		
Parameter	Total PCBs	Mediu	Tissue
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed None
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1060
Stream Route #		Water Resource Inventory Area	61
Township		Waterbody Grid #	47117I9C2
Range		Grid Latitude	48.825
Section		Grid Longitude	117.925
Basis for Consideration of Listing	Johnson, 1991 , Total PCB concentration in whole Largescale sucker samples collected from China Bend in1990 exceeded the national toxic rule criterion for the individual PCB isomers.		
Remarks	The use of whole fish samples does not meet the Water Quality Program policy for listing. The National Toxic Rule criteria apply only to the specific isomers of PCBs. There is not a criterion for Total PCBs. It was an inappropriate application of the standards to apply a measurement containing all PCBs combined to a standard set for only a single component.		

Water Name	FRANKLIN D. ROOSEVELT LAKE		
Parameter	Total Dissolved Gas	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1060
Stream Route #		Water Resource Inventory Area	61
Township		Waterbody Grid #	48117J6I3
Range		Grid Latitude	48.985
Section		Grid Longitude	117.635
Basis for Consideration of Listing	U.S. Army Corps of Engineers, 1996, The monthly average concentrations during April through August 1996 exceed the criterion at station CIBW - STN#2830 (1 mile downstream of the Canadian Border).		
Remarks			

Water Name	FRANKLIN D. ROOSEVELT LAKE		
Parameter	Total Dissolved Gas	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1060
Stream Route #		Water Resource Inventory Area	61
Township		Waterbody Grid #	48117J6J3
Range		Grid Latitude	48.995
Section		Grid Longitude	119.635
Basis for Consideration of Listing	U.S. Army Corp of Engineers, 1991. , numerous excursions beyond the criterion at station 2830 near the Canadian Border.		
Remarks			

Water Name	FRANKLIN D. ROOSEVELT LAKE		
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 #	NN57SG	Old Segment ID #	WA-CR-1060
Stream Route #	1162.446	Water Resource Inventory Area	61
Township	40N	Waterbody Grid #	
Range	40E	Grid Latitude	
Section	31	Grid Longitude	
Basis for Consideration of Listing	1 excursion beyond the criterion out of 35 samples (3%) at Ecology ambient monitoring station 61A070 (RM 735.1) between 9/91 and 9/96.		
Remarks	A single excursion does not meet the Water Quality Program policy for listing		

Water Name	FRANKLIN D. ROOSEVELT LAKE		
Parameter	Arsenic	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> TMDL
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1060
Stream Route #	1162.446	Water Resource Inventory Area	61
Township	40N	Waterbody Grid #	
Range	40E	Grid Latitude	
Section	31	Grid Longitude	
Basis for Consideration of Listing	4 excursions beyond the National Toxics Rule criterion out of 4 samples (100%) at Ecology ambient monitoring station 61A070 (RM 735.1) between 9/91 and 9/96.		
Remarks	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.		

Water Name	FRANKLIN D. ROOSEVELT LAKE		
Parameter	Sediment Bioassay	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed Other Control
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1060
Stream Route #		Water Resource Inventory Area	61
Township		Waterbody Grid #	48117J7E3
Range		Grid Latitude	48.945
Section		Grid Longitude	117.735
Basis for Consideration of Listing	Bortleson, et al 1994. , Hyella and Ceriodaphnia samples from Site 11 (RM 738 Right Bank) in 1992.		
Remarks			

Water Name	FRANKLIN D. ROOSEVELT LAKE		
Parameter	Dioxin	Mediu	Tissue
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1060
Stream Route #		Water Resource Inventory Area	61
Township		Waterbody Grid #	48118G0J1
Range		Grid Latitude	48.695
Section		Grid Longitude	118.015
Basis for Consideration of Listing	Johnson, A. 1990. , excursions beyond the criterion in sturgeon;		
Remarks	EPA established a TMDL for the Columbia River Basin on 2/25/91. U.S. District Court upheld the TMDL on 8/10/93. The only contributing pollution source of dioxin to the lake is in Canada.		

Water Name	FRANKLIN D. ROOSEVELT LAKE		
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 #	NN57SG	Old Segment ID #	WA-CR-1060
Stream Route #		Water Resource Inventory Area	61
Township		Waterbody Grid #	48117J7B8
Range		Grid Latitude	48.915
Section		Grid Longitude	117.785
Basis for Consideration of Listing	2 excursions beyond the criterion at USGS station 12400520 (at Northport) on 7/19/90 and 9/7/94.		
Remarks			

Water Name	FRANKLIN D. ROOSEVELT LAKE		
Parameter	Sediment Bioassay	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed Other Control
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1060
Stream Route #		Water Resource Inventory Area	61
Township		Waterbody Grid #	48118G0H6
Range		Grid Latitude	48.675
Section		Grid Longitude	118.065
Basis for Consideration of Listing	Bortleson, et al 1994. , Ceriodaphnia samples from Site 25 (RM 707 Right Bank) in 1992.		
Remarks			

Water Name	FRANKLIN D. ROOSEVELT LAKE		
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 #	NN57SG	Old Segment ID #	WA-CR-1060
Stream Route #	1162.446	Water Resource Inventory Area	61
Township	40N	Waterbody Grid #	
Range	40E	Grid Latitude	
Section	31	Grid Longitude	
Basis for Consideration of Listing	6 excursions beyond the criterion out of 36 samples (17%) at Ecology ambient monitoring station 61A070 (RM 735.1) between 9/91 and 9/96.		
Remarks	The likely cause of these excursions beyond the criterion are due to stratification behind impoundments. Remedies to the problem may not be available.		

Water Name	FRANKLIN D. ROOSEVELT LAKE		
Parameter	Sediment Bioassay	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed Other Control
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1060
Stream Route #		Water Resource Inventory Area	61
Township		Waterbody Grid #	48117J7D3
Range		Grid Latitude	48.935
Section		Grid Longitude	117.735
Basis for Consideration of Listing	Bortleson, et al 1994. , Hyella samples from Site 62 (RM 616 mid-stream) in 1992.		
Remarks			

Water Name	FRANKLIN D. ROOSEVELT LAKE		
Parameter	Sediment Bioassay	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed Other Control
New Segment ID #	39KRD	Old Segment ID #	WA-CR-1060
Stream Route #		Water Resource Inventory Area	61
Township		Waterbody Grid #	48117J6H5
Range		Grid Latitude	48.975
Section		Grid Longitude	117.655
Basis for Consideration of Listing	Bortleson, et al 1994. , Hyella and Ceriodaphnia samples from Site 10 (RM 743 Left Bank) in 1992.		
Remarks			

Water Name	FRANKLIN D. ROOSEVELT LAKE		
Parameter	Sediment Bioassay	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed Other Control
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1060
Stream Route #		Water Resource Inventory Area	61
Township		Waterbody Grid #	48117J6I3
Range		Grid Latitude	48.985
Section		Grid Longitude	117.635
Basis for Consideration of Listing	Bortleson, et al 1994. , Hyella and Ceriodaphnia samples from Site 8 (RM 745 Left Bank) in 1992.		
Remarks			

Water Name	FRANKLIN D. ROOSEVELT LAKE		
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 #	NN57SG	Old Segment ID #	WA-CR-1060
Stream Route #		Water Resource Inventory Area	61
Township		Waterbody Grid #	48117J7B8
Range		Grid Latitude	48.915
Section		Grid Longitude	117.785
Basis for Consideration of Listing	1 excursion beyond the criterion at USGS station 12400520 (at Northport) on 3/19/91		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

Water Name	FRANKLIN D. ROOSEVELT LAKE		
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 #	NN57SG	Old Segment ID #	WA-CR-1060
Stream Route #	1162.446	Water Resource Inventory Area	61
Township	40N	Waterbody Grid #	
Range	40E	Grid Latitude	
Section	31	Grid Longitude	
Basis for Consideration of Listing	1 excursion beyond the criterion out of 36 samples (3%) at Ecology ambient monitoring station 61A070 (RM 735.1) between 9/91 and 9/96.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

Water Name	FRANKLIN D. ROOSEVELT LAKE		
Parameter	Total Dissolved Gas	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1060
Stream Route #		Water Resource Inventory Area	61
Township		Waterbody Grid #	48117J6I3
Range		Grid Latitude	48.985
Section		Grid Longitude	117.635
Basis for Consideration of Listing	112 excursions beyond the criterion at the U.S. Bureau Of Reclamation station CIBW near the Canadian Border in 1994.		
Remarks			

Water Name	FRANKLIN D. ROOSEVELT LAKE		
Parameter	Total PCBs	Mediu	Tissue
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed None
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1060
Stream Route #		Water Resource Inventory Area	61
Township		Waterbody Grid #	48118G0H5
Range		Grid Latitude	48.675
Section		Grid Longitude	118.055
Basis for Consideration of Listing	Johnson, 1991 , Total PCB concentration in whole Largescale sucker samples collected from near Marcus Island in 1990 exceeded the national toxic rule criterion for the individual PCB isomers.		
Remarks	The information does not meet the Water Quality Program policy for listing since the sample was of whole fish and not edible tissue. The National Toxic Rule criteria apply only to the specific isomers of PCBs. There is not a criterion for Total PCBs. It was an inappropriate application of the standards to apply a measurement containing all PCBs combined to a standard set for only a single component.		

Water Name	FRANKLIN D. ROOSEVELT LAKE		
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 #	NN57SG	Old Segment ID #	WA-CR-1060
Stream Route #		Water Resource Inventory Area	61
Township		Waterbody Grid #	48117J7B8
Range		Grid Latitude	48.915
Section		Grid Longitude	117.785
Basis for Consideration of Listing	16 excursions beyond the criterion at USGS station 12400520 (at Northport) between 1990 and 1994.		
Remarks	The likely cause of these excursions beyond the criterion are due to stratification behind impoundments. Remedies to the problem may not be available.		

Water Name	HARTBAUER CREEK		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	IC24AF	Old Segment ID #	WA-61-7360
Stream Route #	13.919	Water Resource Inventory Area	61
Township	40N	Waterbody Grid #	
Range	41E	Grid Latitude	
Section	36	Grid Longitude	
Basis for Consideration of Listing	1 excursion beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140206 on 7/17/75.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

Water Name	MEADOW 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 #	XH79GB	Old Segment ID #	WA-61-7250
Stream Route #	1.312	Water Resource Inventory Area	61
Township	38N	Waterbody Grid #	
Range	41E	Grid Latitude	
Section	33	Grid Longitude	
Basis for Consideration of Listing	2 excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140201 in 6/91 and 7/91.		
Remarks			

Water Name	MEADOW CREEK		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed None
New Segment ID #	XH79GB	Old Segment ID #	WA-61-7250
Stream Route #	1.312	Water Resource Inventory Area	61
Township	38N	Waterbody Grid #	
Range	41E	Grid Latitude	
Section	33	Grid Longitude	
Basis for Consideration of Listing	2 excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140201 on 9/11/90 and 5/2/91.		
Remarks	Comments received by Jerry Coleman (Colville National Forest) on 5/29/97 state that the excursions are a natural conditions due to the geology of the area. Jean Parodi and Mike Hepp (Dept. of Ecology - 7/97 judgment) concur with the comment since the station is located in an area with fault/phyllite and carbonate geology which is likely to have a significant effect on stream pH. Since these excursions are not a violation the standards, the segment should not be listed for pH based on these data.		

Water Name	REPUBLICAN 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 #	VS500L	Old Segment ID #	WA-61-7320
Stream Route #	0	Water Resource Inventory Area	61
Township	39N	Waterbody Grid #	
Range	41E	Grid Latitude	
Section	14	Grid Longitude	
Basis for Consideration of Listing	1 excursion beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140205 on 8/8/77.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

Water Name	ROCKY CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	TQ58ST	Old Segment ID #	WA-61-7400
Stream Route #	5.104	Water Resource Inventory Area	61
Township	37N	Waterbody Grid #	
Range	41E	Grid Latitude	
Section	22	Grid Longitude	
Basis for Consideration of Listing	2 excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140212 on 7/20/93 and 9/14/93.		
Remarks	Comments received by Jerry Coleman (Colville National Forest) on 5/29/97 state that these data (submitted by EPA) do not meet the quality assurance criteria of the Water Quality Program Policy for listing. The data were collected using a HACH field test kit.		

Water Name	ROCKY 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 #	TQ58ST	Old Segment ID #	WA-61-7400
Stream Route #	5.104	Water Resource Inventory Area	61
Township	37N	Waterbody Grid #	
Range	41E	Grid Latitude	
Section	22	Grid Longitude	
Basis for Consideration of Listing	1 excursion beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140212 on 9/11/90.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

Water Name	ROCKY CREEK		
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 #	TQ58ST	Old Segment ID #	WA-61-7400
Stream Route #	5.104	Water Resource Inventory Area	61
Township	37N	Waterbody Grid #	
Range	41E	Grid Latitude	
Section	22	Grid Longitude	
Basis for Consideration of Listing	1 excursion beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140212 in 6/93.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

Water Name	SILVER CREEK		
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 #	WP65N	Old Segment ID #	WA-61-7340
Stream Route #	2.91	Water Resource Inventory Area	61
Township	39N	Waterbody Grid #	
Range	42E	Grid Latitude	
Section	07	Grid Longitude	
Basis for Consideration of Listing	3 excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140204 on 9/11/90, 4/3/91 and 5/2/91.		
Remarks	Comments received by Jerry Coleman (Colville National Forest) on 5/29/97 state that the excursions are a natural conditions due to the geology of the area. Jean Parodi and Mike Hepp (Dept. of Ecology -7/97 judgment) concur with the comment since the station is located in an area with fault/carbonate geology which is likely to have an effect on stream pH.. Since these excursions are not a violation the standards, the segment should not be listed for pH based on these data.		

Water Name	SMACKOUT 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 #	CZ33CZ	Old Segment ID #	WA-61-7200
Stream Route #	4.438	Water Resource Inventory Area	61
Township	38N	Waterbody Grid #	
Range	41E	Grid Latitude	
Section	11	Grid Longitude	
Basis for Consideration of Listing	2 excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140302 in 8/77 and 7/79.		
Remarks			

Water Name	SMACKOUT 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 #	CZ33CZ	Old Segment ID #	WA-61-7200
Stream Route #	1.544	Water Resource Inventory Area	61
Township	38N	Waterbody Grid #	
Range	41E	Grid Latitude	
Section	03	Grid Longitude	
Basis for Consideration of Listing	4 excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140202 on 9/11/90, 4/3/91, 9/5/91, and 9/21/92.		
Remarks	<p>Comments received by Jerry Coleman (Colville National Forest) on 5/29/97 state that the excursions are a natural conditions due to the geology of the area. Jean Parodi and Mike Hepp (Dept. of Ecology - 7/97 judgment) disagree with the comment since the station is located in a granite/glacial deposit type of geology which is not likely to have a significant effect on stream pH.</p> <p>Comments received from Robert Vaught (Colville National Forest) on 10/31/97 state that the high pH values measured on the creek are a natural condition due to the phyllite, limestone and other calcareous deposits in the region. Mike Hepp (Department of Ecology - 1/98 judgement) disagreed stating that the published geologic map does not justify taking the creek off the list. There is an area of carbonate rock near the sampling point, but there is not much carbonate rock in the remainder of the drainage. A smaller amount of carbonate close to sampling site could have a similar affect, but there is no evidence of that for these data.</p>		

Water Name	SMACKOUT CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed None
New Segment ID #	CZ33CZ	Old Segment ID #	WA-61-7200
Stream Route #	6.545	Water Resource Inventory Area	61
Township	38N	Waterbody Grid #	
Range	41E	Grid Latitude	
Section	13	Grid Longitude	
Basis for Consideration of Listing	15 excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140301 in 1977.		
Remarks	Comments received by Jerry Coleman (Colville National Forest) on 5/29/97 state that these data (submitted by EPA) do not meet the quality assurance criteria of the Water Quality Program Policy for listing. The data were collected using a HACH field test kit.		

Water Name	SMACKOUT 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 #	CZ33CZ	Old Segment ID #	WA-61-7200
Stream Route #	4.438	Water Resource Inventory Area	61
Township	38N	Waterbody Grid #	
Range	41E	Grid Latitude	
Section	11	Grid Longitude	
Basis for Consideration of Listing	14 excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140302 in 1977.		
Remarks	Comments received by Jerry Coleman (Colville National Forest) on 5/29/97 state that these data (submitted by EPA) do not meet the quality assurance criteria of the Water Quality Program Policy for listing. The data were collected using a HACH field test kit.		

Water Name	SMACKOUT 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 #	CZ33CZ	Old Segment ID #	WA-61-7200
Stream Route #	1.544	Water Resource Inventory Area	61
Township	38N	Waterbody Grid #	
Range	41E	Grid Latitude	
Section	03	Grid Longitude	
Basis for Consideration of Listing	5 excursions beyond the criterion sampled by Colville National Forest (data submitted by Curry Jones of EPA on 11/22/95) at station 21140202 in 6/91, 7/91, 8/91, 7/92 and 9/93.		
Remarks			