

Final 1998 Section 303(d) List - WRIA 31

Water Name	COLUMBIA RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1020
Stream Route #		Water Resource Inventory Area	31
Township		Waterbody Grid #	45120H6B8
Range		Grid Latitude	45.715
Section		Grid Longitude	120.685
Basis for Consideration of Listing	Tanner, et al. 1996. , 56 excursions beyond the criterion out of 170 samples (33%) at the John Day Dam Forebay in 1996.;		
Remarks			

Water Name	COLUMBIA RIVER		
Parameter	Mercury	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed None
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1020
Stream Route #	461.896	Water Resource Inventory Area	31
Township	05N	Waterbody Grid #	
Range	28E	Grid Latitude	
Section	10	Grid Longitude	
Basis for Consideration of Listing	2 excursions beyond the criterion at Ecology ambient monitoring station 31A070 (RM 290.5) on 6/3/91 and 7/8/91. (these data are likely unreliable due to high detection limits per Dave Hallock memo dated 10/31/97).		
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.		

Water Name	COLUMBIA RIVER		
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 #	NN57SG	Old Segment ID #	WA-CR-1020
Stream Route #	461.896	Water Resource Inventory Area	31
Township	05N	Waterbody Grid #	
Range	28E	Grid Latitude	
Section	10	Grid Longitude	
Basis for Consideration of Listing	2 excursions beyond the criterion out of 36 samples (6%) at Ecology ambient monitoring station 31A070 (RM 290.5) between 9/91 and 9/96;		
Remarks	The information from this station does not meet the Water Quality Program policy for listing.		

Water Name	COLUMBIA RIVER		
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"/> Other Control
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1020
Stream Route #		Water Resource Inventory Area	31
Township		Waterbody Grid #	45120H6D7
Range		Grid Latitude	45.735
Section		Grid Longitude	120.675
Basis for Consideration of Listing	Conbere, 1994. ,information from the report was submitted by David Batts, Dept. of Ecology on 4/7/95 that shows a significant response with sediment bioassay collected 11/4/93 at 3 locations in the segment.		
Remarks			

Water Name	COLUMBIA RIVER		
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-1020
Stream Route #	461.896	Water Resource Inventory Area	31
Township	15N	Waterbody Grid #	
Range	28E	Grid Latitude	
Section	10	Grid Longitude	
Basis for Consideration of Listing	1 excursion beyond the criterion out of 36 samples (3%) at Ecology ambient monitoring station 31A070 (RM 290.5) between 9/91 and 9/96;		
Remarks	A single excursion does not meet the Water Quality Program policy for listing.		

Water Name	COLUMBIA 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 #	NN57SG	Old Segment ID #	WA-CR-1020
Stream Route #	461.896	Water Resource Inventory Area	31
Township	05N	Waterbody Grid #	
Range	28E	Grid Latitude	
Section	10	Grid Longitude	
Basis for Consideration of Listing	1 excursion beyond the criterion out of 35 samples (3%) at Ecology ambient monitoring station 31A070 (RM 290.5) 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	COLUMBIA RIVER		
Parameter	Dioxin	Mediu	Tissue
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1026
Stream Route #		Water Resource Inventory Area	31
Township		Waterbody Grid #	45119J1D1
Range		Grid Latitude	45.935
Section		Grid Longitude	119.115
Basis for Consideration of Listing	Serdar, et al. 1991. , excursions beyond the criterion in sturgeon collected in 1990..		
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. Shown in the decision matrix for old segment WA-CR-1010 and WA-CR-1028 based on the cited reference in error. The sampling station in Serdar, et al. 1991 was just upstream of McNary Dam on Old segment WA-CR-1020.		

Water Name	COLUMBIA RIVER		
Parameter	Total Dissolved Gas	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 #	NN57SG	Old Segment ID #	WA-CR-1026
Stream Route #		Water Resource Inventory Area	31
Township		Waterbody Grid #	45119J2D9
Range		Grid Latitude	45.935
Section		Grid Longitude	119.295
Basis for Consideration of Listing	32 excursions beyond the criterion at the U.S. Army Corp of Engineers North Pacific Division station MCN-N in 1993.; 20 excursions beyond the criterion at the U.S. Army Corp of Engineers North Pacific Division station MCN-N in 1994 during times without approved short term modifications to the standards.;		
Remarks			

Water Name	COLUMBIA RIVER		
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-1028
Stream Route #		Water Resource Inventory Area	31
Township		Waterbody Grid #	46118B9A3
Range		Grid Latitude	46.105
Section		Grid Longitude	118.935
Basis for Consideration of Listing	Johnson and Heffner, 1994 , sediment samples showed substantial toxicity (62%) in 10-day Hyelalla bioassays in 1992 at Badger Island.		
Remarks			

Water Name	COLUMBIA RIVER		
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-1028
Stream Route #		Water Resource Inventory Area	31
Township		Waterbody Grid #	46119C0A6
Range		Grid Latitude	46.205
Section		Grid Longitude	119.065
Basis for Consideration of Listing	Beak, 1989. , excursions beyond the criterion in white sturgeon, and carp at Study Site 5 (between RM 326 and RM 332);		
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 lowest downstream segment samples was used to represent the Study Site 5.		

Water Name	COLUMBIA RIVER		
Parameter	Arsenic	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 #	NN57SG	Old Segment ID #	WA-CR-1020
Stream Route #		Water Resource Inventory Area	31
Township		Waterbody Grid #	45120H6B8
Range		Grid Latitude	45.715
Section		Grid Longitude	120.685
Basis for Consideration of Listing	Andreasson and Heffner, 1993. , 1 excursion beyond the National Toxic Rule criterion on 5/7/91 in the Wildlife Management Area just above John Day Dam.;		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.; 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	COLUMBIA RIVER		
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"/> Other Control
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1026
Stream Route #		Water Resource Inventory Area	31
Township		Waterbody Grid #	45119J1C6
Range		Grid Latitude	45.925
Section		Grid Longitude	119.165
Basis for Consideration of Listing	Johnson and Heffner, 1994 , sediment samples showed substantial toxicity (71%) in 10-day Hyelalla bioassays in 1992 at Hat Rock.		
Remarks			

Water Name	COLUMBIA RIVER		
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-1020
Stream Route #		Water Resource Inventory Area	31
Township		Waterbody Grid #	45119J3D0
Range		Grid Latitude	45.935
Section		Grid Longitude	119.305
Basis for Consideration of Listing	U.S. Army Corp of Engineers, 1991. , numerous excursions beyond the criterion at station 814 (below McNary Dam)		
Remarks			

Water Name	COLUMBIA RIVER		
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-1020
Stream Route #		Water Resource Inventory Area	31
Township		Waterbody Grid #	45120H6B9
Range		Grid Latitude	45.715
Section		Grid Longitude	120.695
Basis for Consideration of Listing	25 excursions beyond the criterion at the U.S. Army Corp Of Engineers North Pacific Division station JDA in 1993.;		
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	COLUMBIA RIVER		
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-1026
Stream Route #		Water Resource Inventory Area	31
Township		Waterbody Grid #	45119J2C9
Range		Grid Latitude	45.925
Section		Grid Longitude	119.295
Basis for Consideration of Listing	33 excursions beyond the criterion at the U.S. Army Corp of Engineers North Pacific Division station MCN-S in 1993.; 28 excursions beyond the criterion at the U.S. Army Corp of Engineers North Pacific Division station MCN-S in 1994 during times without approved short term modifications to the standards.		
Remarks			

Water Name	COLUMBIA RIVER		
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-1020
Stream Route #		Water Resource Inventory Area	31
Township		Waterbody Grid #	45119J4A9
Range		Grid Latitude	45.905
Section		Grid Longitude	119.495
Basis for Consideration of Listing	Beak, 1989. , excursions beyond the criterion in white sturgeon, Largescale sucker, and carp at Study Site 4 (between RM 280 and RM 298);		
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 lowest downstream segment samples was used to represent Study Site 4.		

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	COLUMBIA RIVER		
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-1028
Stream Route #		Water Resource Inventory Area	31
Township		Waterbody Grid #	46118A9C3
Range		Grid Latitude	46.025
Section		Grid Longitude	118.935
Basis for Consideration of Listing	Johnson and Heffner, 1994 , sediment samples showed substantial toxicity (60%) in 10-day Hyelalla bioassays in 1992 at Port Kelly.		
Remarks			

Water Name	COLUMBIA RIVER		
Parameter	Arsenic	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	NN57SG	Old Segment ID #	WA-CR-1020
Stream Route #	461.896	Water Resource Inventory Area	31
Township	05N	Waterbody Grid #	
Range	28E	Grid Latitude	
Section	10	Grid Longitude	
Basis for Consideration of Listing	3 excursions beyond the National Toxic Rule criterion out of 3 samples (100%) at Ecology ambient monitoring station 31A070 (RM 290.5) 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	ROCK 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 #	NF41CH	Old Segment ID #	WA-31-2000
Stream Route #	0	Water Resource Inventory Area	31
Township	05N	Waterbody Grid #	
Range	17E	Grid Latitude	
Section	13	Grid Longitude	
Basis for Consideration of Listing	Mathews, 1992. , multiple excursions beyond the criterion in the summers of 1990 and 1991.		
Remarks	Ehinger, 1996. = concludes that much of the temperature problems measured are due to natural conditions and that activities underway by the Eastern Klickitat Conservation District will result in the temperature criterion being met. A Memorandum of Understanding has been established (7/9/96) between the Eastern Klickitat Conservation District and the Department of Ecology concerning the controls to be implemented and reporting requirements. Many of these and controls are now being implemented. The reports to Ecology will include results of monitoring used to track the effectiveness of the controls after they are put in place. The above information meets EPA guidance for excluding the stream from the list under federal regulation 40CFR 130.7(b)(1)(iii).		