Table 2. Changes to Bacterial Criteria

Designated Use	Existing Tribal Criteria				Proposed Tribal Criteria			Rationale
Fresh Waters								
Primary Contact Recreation	Class AA	fecal coliform	avg	50/100 mL	E. coli	avg	126/100 mL	Derived from EPA 2002, based on EPA 1986 Recommended Criteria for a rate of 8 per 1000
			max	100/100 mL				
	Class A	fecal coliform	avg	50/100 mL		max	235/100 mL	Derived from EPA 2002 criteria for Designated Beach Area, based on EPA 1986 Recommended Criteria
			max	100/100 mL				
Secondary Contact Recreation	Class B	fecal coliform	avg	200/100 mL	E. coli	avg	126/100 mL	Derived from EPA 2002, based on EPA 1986 Recommended Criteria for a rate of 8 per 1000
			max	400/100 mL		max	408/100 mL	Derived from EPA 2002 criteria for Lightly Used Full Body Contact, based on EPA 1986 Recommended Criteria
Marine Waters and Estuarine Shellfish Growing Waters								
Primary Contact Recreation	Class AA/A	fecal coliform	avg	14/100 mL	enterococci	avg	35/100 mL	Derived from EPA 2002, based on EPA 1986 Recommended Criteria for a rate of 19 per 1000
			max	43/100 mL		max	104/100 mL	Derived from EPA 2002 criteria for Designated Beach Area, based on EPA 1986 Recommended Criteria
Secondary Contact Recreation	Class B	fecal coliform	avg	100/100 mL	enterococci	avg	35/100 mL	Derived from EPA 2002, based on EPA 1986 Recommended Criteria for a rate of 19 per 1000
			max	200/100 mL		max	276/100 mL	Derived from EPA 2002 criteria for Lightly Used Full Body Contact, based on EPA 1986 Recommended Criteria
Shellfish Harvesting	Class AA/A	fecal coliform	avg	14/100 mL	fecal coliform	avg	14/100 mL	No change.
			max	43/100 mL		max	43/100 mL	No change.

All values represent number of indicator organisms per 100 milliliters of water.

Table 4. Changes to Temperature Criteria.

Designated Use	Tribal - Existing Criteria	Proposed	Rationale
Fresh Waters			
Native Char Rearing	NA	7-DMax = 12 ^{o}C	Based on EPA, 2003.
Salmonid Spawning	Class AA: 1-DMax = 16 ^{o}C Class A: 1-DMax = 18 ^{o}C	7-DMax = 13 ^{o}C	Based on EPA, 2003.
Salmonid Rearing and Holding	1-DMax = 21°C	7-DMax = 16 ^{o}C	Based on EPA, 2003.
Salmonid Migration	1-DMax = 22 ^{o}C	7-DMax = 18 ^{o}C	Based on EPA, 2003.
Steelhead Smoltification	NA	7-DMax = 14 ^{o}C	Based on EPA, 2003.
Marine Waters			
Extraordinary quality salmonid and other fish migration, rearing, spawning, and harvesting	1-DMax = 13 ^{o}C	No measurable increase 1-DMax	No degradation of water quality allowed.
Excellent quality salmonid and other fish migration, rearing, spawning, and harvesting	1-DMax = 16 ^{o}C	1-DMax = 16 ^{o}C	No change.
Good quality salmonid and other fish migration, rearing, spawning, and harvesting	1-DMax = 19 ^{o}C	1-DMax = 19 ^{o}C	No change.
Estuarine	NA	No measurable increase 1-DMax	No degradation of water quality allowed.

All values are in degrees Celsius (^{o}C)

Table 3. Changes to Dissolved Oxygen Criteria.

Designated Use	Existing Tribal Criteria		Proposed Tribal Criteria		Rationale
Fresh Waters					
Native Char Rearing		---	7-DMean	11	Based on EPA, 1987.
		---	1-DMin	9	
Salmonid Spawning	Class AA min	9.5	7-DMean	11	Based on EPA, 1987.
	Class A min	8	1-DMin	9	
Salmonid Rearing and Holding		---	7-DMean	8.5	Based on EPA, 1987.
	Class B min	6.5	1-DMin	6.5	Based on existing criteria.
Salmonid Migration		---	7-DMean	8.5	Based on EPA, 1987.
	Class C min	4	1-DMin	6.5	
Steelhead Smoltification		---	7-DMean	8.5	Based on EPA, 1987.
	Class C min	4	1-DMin	6.5	
Marine Waters					
Extraordinary quality salmonid and other fish migration, rearing, spawning, and harvesting	Class AA min	1-DMin = 7	1-DMin	No measurable reduction	No degradation of water quality allowed.
Excellent quality salmonid and other fish migration, rearing, spawning, and harvesting	Class A min	1-DMin = 6	1-DMin	6	No change.
Good quality salmonid and other fish migration, rearing, spawning, and harvesting	Class B min	1-DMin = 5	1-DMin	5	No change.
Estuarine		---	1-DMin	No measurable reduction	No degradation of water quality allowed.

All values are in milligrams per liter (mg/L) of dissolved oxygen.

Compound	Human Health Toxics Criteria			
	Proposed	Existing	Proposed	Existing
	Water & Organisms [a]	Fresh Water AA, A and Lake Class Uses	Organisms Only [b]	Marine Water and Fresh Water B and C Class Uses
Acenaphthene	115		122	
Acrolein	33	320	36	780
Acrylonitrile	0.02	0.059 [c,d]	0.03	0.66 [c,d]
Aldrin	0.000006	0.00013 [c,d]	0.000006	0.00014 [c,d]
Anthracene	3,350	9600 [c]	4,920	110000 [c]
Antimony	13	14 [c]	197	4300 [c]
Arsenic	0.005 [e]	0.018 [c,d,e]	0.006 [e]	0.14 [c,d,e]
Asbestos	7 [f]	7 [g,f]		
Benzene	0.88	1.2 [c,d]	3.3	71 [c,d]
Benzidine	0.00002	0.00012 [c,d]	0.00002	0.00054 [c,d]
Benz(a)Anthracene	0.0015	0.0028 [d]	0.0022	0.031 [d]
Benzo(a)Pyrene	0.0015	0.0028 [d]	0.0022	0.031 [d]
Benzo(b)Fluoranthene,	0.0015	0.0028 [d]	0.0022	0.031 [d]
Benzo(k)Fluoranthene	0.0015	0.0028 [d]	0.0022	0.031 [d]
BHC-Alpha Lindane	0.0005	0.0039 [c,d]	0.0006	0.013 [c,d]
BHC-Beta Lindane	0.0018	0.014 [c,d]	0.0021	0.046 [c,d]
BHC-Gamma Lindane	0.0026	0.019 [d]	0.0029	0.063 [d]
Bis-2-ethylhexylphthalate	0.24	1.8 [c,d]	0.27	5.9 [c,d]
Bromoform	3.5	4.3 [c,d]	17	360 [c,d]
Butylbenzyl Phthalate	230		240	
Carbon Tetrachloride	0.12	0.25 [c,d]	0.2	4.4 [c,d]
Chlordane	0.0001	0.00057 [c,d]	0.0001	0.00059 [c,d]
Chlorobenzene	400	680 [c]	950	21000 [c,h]
Chlorodibromomethane	0.33	0.41 [c,d]	1.6	34 [c,d]
Chloroform	4.5	5.7 [c,d]	21	470 [c,d]
Chloroisopropyl Ether (Bis 2)	1,200	1400 [c]	8,000	170000 [c]
Chloroethyl Ether (Bis)	0.021	0.031 [c,d]	0.065	1.4 [c,d]
Chloronaphthalene, 2-	180		190	
Chlorophenol, 2-	17		18	
Chrysene	0.0015	0.0028 [d]	0.0022	0.031 [d]
Cyanide	650	700 [c]	9,800	220000 [c,h]
DDT, 4,4'-	0.000027	0.00059 [c,d]	0.000027	0.00059 [c,d]
DDT Metabolite (DDE, 4,4'-)	0.000027	0.00059 [c,d]	0.000027	0.00059 [c,d]
DDT Metabolite (DDD, 4,4'-)	0.000038	0.00083 [c,d]	0.000038	0.00084 [c,d]
Dibenzo(a,h)Anthracene	0.0015	0.0028 [d]	0.0022	0.031 [d]
Dibutyl Phthalate	480	2700 [c]	550	12000 [c]
Dichlorobenzene, 1,2- (o)	640	2700 [c]	800	17000 [c]
Dichlorobenzene, 1,3- (m)	95	400	120	2600
Dichlorobenzene, 1,4- (p)	95	400	120	2600
Dichlorobenzidine, 3,3-	0.0034	0.04 [c,d]	0.0035	0.077 [c,d]
Dichlorobromomethane	0.45	0.27 [c,d]	2.1	22 [c,d]
Dichlorodifluoromethane	5,500		26,000	
Dichloroethane, 1,2-	0.35	0.38 [c,d]	4.5	99 [c,d]
Dichloroethylene, 1,2-trans-	630		6,200	

Compound	Human Health Toxics Criteria			
	Proposed	Existing	Proposed	Existing
	Water & Organisms [a]	Fresh Water AA, A and Lake Class Uses	Organisms Only [b]	Marine Water and Fresh Water B and C Class Uses
Dichloroethylene, 1,1-	0.042	0.057 [c,d]	0.15	3.2 [c,d]
Dichlorophenol, 2,4-	27	93 [c]	36	790 [c,h]
Dichloropropane, 1,2-	0.41		1.8	
Dichloropropylene, 1,3-	9.2	10	77	1700 [c]
Dieldrin	0.0000066	0.00014 [c,d]	0.0000066	0.00014 [c,d]
Diethyl Phthalate	4,500	23000 [c]	5,400	120000 [c]
Dimethyl Phenol, 2,4-	91		105	
Dimethyl Phthalate	98,000	313000	140,000	2900000
Dinitrophenol, 2,4-	63	70 [c]	660	14000 [c]
Dinitrophenol, 2-, Methyl 4,6-	9.8	13.4	35	765
Dinitrotoluene, 2,4-	0.088	0.11 [d]	0.41	9.1 [d]
Dioxin (2,3,7,8-TCDD)	6E-10	0.000000013 [d]	6E-10	0.000000014 [d]
Diphenylhydrazine, 1,2-	0.016	0.04 [c,d]	0.025	0.54 [c,d]
Endosulfan-Alpha	10	0.93 [c]	11	2 [c]
Endosulfan-Beta	10	0.93 [c]	11	2 [c]
Endosulfan Sulfate	10	0.93 [c]	11	2 [c]
Endrin	0.037	0.76 [c]	0.037	0.81 [c,h]
Endrin Aldehyde	0.037	0.76 [c]	0.037	0.81 [c,h]
Ethylbenzene	950	3100 [c]	1,300	29000 [c]
Fluoranthene	17	300 [c]	17	370 [c]
Fluorene	450	1300 [c]	660	14000 [c]
Heptachlor	0.0000097	0.00021 [c,d]	0.0000098	0.00021 [c,d]
Heptachlor Epoxide	0.0000048	0.0001 [c,d]	0.0000048	0.00011 [c,d]
Hexachlorobenzene	0.000035	0.00075 [c,d]	0.000035	0.00077 [c,d]
Hexachlorobutadiene	0.38	0.44 [c,d]	2.3	50 [c,d]
Hexachlorocyclopentadiene	190	240 [c]	790	17000 [c,h]
Hexachloroethane	0.35	1.9 [c,d]	0.4	8.9 [c,d]
Indeno (1,2,3-cd) Pyrene	0.0015	0.0028 [d]	0.0022	0.031 [d]
Iron	300			
Isophorone	28	8.4 [c,d]	120	600 [c,d]
Manganese	50		100	
Mercury	0.002	0.14	0.002	0.15
Methoxychlor	40			
Methyl Bromide	39	48 [c]	185	4000 [c]
Methylene Chloride	4.4	4.7 [c,d]	73	1600 [c,d]
Nickel	160	610 [c]	210	4600 [c]
Nitrates	10,000			
Nitrobenzene	15	17 [c]	85	1900 [c,h]
Nitrosodimethylamine, N-	0.00069	0.00069 [c,d]	0.37	8.1 [c,d]
Nitrosodi-n-Propylamine, N-	0.0046		0.062	
Nitrosodiphenylamine, N-	0.67	5 [c,d]	0.74	16 [c,d]
Nitrosopyrrolidine, N-	0.016		4.3	
Parathion	0.065		0.013	
PCB-1016	0.000008	0.000044 [c,d]	0.000008	0.000045 [c,d]

Compound	Human Health Toxics Criteria			
	Proposed	Existing	Proposed	Existing
	Water & Organisms [a]	Fresh Water AA, A and Lake Class Uses	Organisms Only [b]	Marine Water and Fresh Water B and C Class Uses
PCB-1221	0.000008	0.000044 [c,d]	0.000008	0.000045 [c,d]
PCB-1232	0.000008	0.000044 [c,d]	0.000008	0.000045 [c,d]
PCB-1242	0.000008	0.000044 [c,d]	0.000008	0.000045 [c,d]
PCB-1248	0.000008	0.000044 [c,d]	0.000008	0.000045 [c,d]
PCB-1254	0.000008	0.000044 [c,d]	0.000008	0.000045 [c,d]
PCB-1260	0.000008	0.000044 [c,d]	0.000008	0.000045 [c,d]
Pentachlorobenzene	0.18		0.19	
Pentachlorophenol	0.16	0.28 [c,d]	0.37	8.2 [c,d,h]
Phenol	19,000	21000 [c]	210,000	4600000 [c,h]
Pyrene	330	960 [c]	490	11000 [c]
Tetrachloroethane, 1,1,2,2,-	0.13	0.17 [c,d]	0.49	11 [c,d]
Tetrachloroethylene	0.28	0.8 [d]	0.4	8.85 [d]
Thallium	0.25	1.7 [c]	0.28	6.3 [c]
Toluene	4,000	6800 [c]	9,200	200000 [c]
Toxaphene	0.000034	0.00073 [c,d]	0.000034	0.00075 [c,d]
Trichlorobenzene, 1,2,4-	38		43	
Trichloroethane, 1,1,2-	0.47	0.6 [c,d]	1.9	42 [c,d]
Trichloroethylene	1.6	2.7 [d]	3.7	81 [d]
Trichlorophenol, 2,4,6-	0.27	2.1 [c,d]	0.3	6.5 [c,d]
Vinyl Chloride	1.9	2 [d]	24	525 [d]

Footnotes:

a. **Water and Organisms:** Values represent the maximum ambient water concentration for consumption of both contaminated water and fish or other aquatic organisms.

b. **Organisms Only:** Values represent the maximum ambient water concentration for consumption of fish or other aquatic organisms.

c. Criteria reflect EPA's cancer slope factor ("ql*") for carcinogenic toxics, reference dose ("RfD") for non-carcinogenic toxics, and bioconcentration factor ("BCF") as described in EPA's Final Rule, Water Quality Standards: Establishment of Numeric Criteria for Priority Toxic Pollutants, 57 Federal Register (December 22, 1992).

d. Criteria in the matrix based on carcinogenicity (10^{-6} risk).

e. The criteria refers to the inorganic form only.

f. Expressed in MFL = Million fibers per liter, with fiber length >10 microns.

g. The criterion for asbestos is the Maximum Contaminant Level ("MCL"). See 56 Federal Register 3562 (January 30, 1991).

h. No criteria for protection of human health from consumption of aquatic organisms (excluding water) was presented in the 1980 criteria document or in the 1986 Quality Criteria for Water. Nevertheless, EPA has determined that sufficient information was presented in the 1980 document to allow a calculation of a criterion, even though the results of such a calculation were not shown in the document. See EPA National Toxics Rule, 57 Federal Register 60848, 60916 (footnote j) (December 22, 1992).