Table 1. A comparison of Idaho, PRA generated, proposed human health criteria to 2015 EPA and current IDEQ human health criteria.

Number in DEQ's WQS Table	Pollutant	CAS Number	CSF Based or 10-6 carcinogenetic risk?	Water + Fish (µg/L)			Fish only (µg/L)		
				Current IDEQ	2015 EPA Final	Proposed Rule Value	Current IDEQ	2015 EPA Final	Proposed Rule Value
1	Antimony	7440-36-0		5.6		3.2	640		640
2	Arsenic	7440-38-2	Y	10			10		
3	Beryllium	7440-41-7							
4	Cadmium	7440-43-9							
5a	Chromium III	16065-83-1							
5b	Chromium VI	18540-29-9							
6	Copper	7440-50-8							
7	Lead	7439-92-1							
8a	Mercury	7439-97-6							
8b	Methylmercury	22967-92-6					0.30 mg/kg		
9	Nickel	7440-02-0		610		75	4,600		330
10	Selenium	7782-49-2		170		20	4,200		800
11	Silver	7440-22-4							
12	Thallium	7440-28-0		0.24		0.038	0.47		0.075
13	Zinc	7440-66-6		7,400		1,100	26,000		4,800
14	Cyanide	57-12-5		140	4.0	2.4	140	400	460
15	Asbestos	1332-21-4		7000000 fibers/L					
16	2,3,7,8 TCDD (dioxin)	1746-01-6	Y	5E-09		5.80E-09	5.1E-09		6.10E-09
17	Acrolein	1070-20-8		190	3.0	2.0	290	400	400
18	Acrylonitrile	107-13-1	Y	0.051	0.061	0.036	0.25	7.0	7.0
19	Benzene	71-43-2	Y	2.2	0.58-2.1	0.83	51	16-58	37
20	Bromoform	75-25-2	Y	4.3	7.0	4.3	140	120	110
21	Carbon Tetrachloride	56-23-5	Y	0.23	0.40	0.28	1.6	5.0	4.3
22	Chlorobenzene	108-90-7		130	100	75	1,600	800	780
23	Chlorodibromomethane	124-48-1	Y	0.4	0.8	0.48	13	21	20
24	Chloroethane	75-00-3							
25	2-Chloroethylvinyl Ether	110-75-8							
26	Chloroform	67-66-3	N	5.7	60	39	470	2,000	2,300

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27	Dichlorobromomethane	75-27-4	Y	0.55	0.95	0.56	17	27	26
28	1,1- Dichloroethane	75-34-3							
29	1,2-Dichloroethane	107-06-2	Y	0.38	9.9	6.2	37	650	640
30	1,1 -Dichloroethylene	75-35-4		330	300	200	7,100	20,000	16,000
31	1,2-Dichloropropane	78-87-5	Y	0.50	0.90	0.56	15	31	30
32	1,3-Dichloropropene	542-75-6	Y	0.34	0.27	0.17	21	12	11
33	Ethylbenzene	100-41-4		530	68	70	2,100	130	120
34	Methyl Bromide	74-83-9		47	100	80	1,500	10,000	12,000
35	Methyl Chloride	74-83-9							
36	Methylene Chloride	75-09-2	Y	4.6	20	1.0	590	1,000	1,300
37	1,1,2,2-Tetrachloroethane	79-34-5	Y	0.17	0.20	0.10	4.0	3.0	2.5
38	Tetrachloroethylene	127-18-4	Y	0.69	10	8.6	3.3	29	28
39	Toluene	108-88-3		1,300	57	36	15,000	520	500
40	1,2-Trans-Dichloroethylene	156-60-5		140	100	81	10,000	4,000	3,700
41	1,1,1-Trichloroethane	71-55-6			10,000	7,800		200,000	170,000
42	1,1,2-Trichloroethane	79-00-5	Y	0.59	0.55	0.34	16	8.9	8.2
43	Trichloroethylene	79-01-6	Y	2.5	0.60	0.39	30	7.0	6.7
44	Vinyl Chloride	75-01-4	Y	0.025	0.022	0.013	2.4	1.6	1.6
45	2-Chlorophenol	95-57-8		81	30	19	150	800	810
46	2,4-Dichlorophenol	120-83-2		77	10	11	290	60	55
47	2,4-Dimethylphenol	105-67-9		380	100	80	850	3,000	2,400
48	2-Methyl-4,6-Dinitrophenol	534-52-1		13	2.0	1.1	280	30	26
49	2,4-Dinitrophenol	51-28-5		69	10	8.0	5,300	300	350
50	2-Nitrophenol	88-75-5							
51	4-Nitrophenol	100-02-7							
52	3-Methyl-4-Chlorophenol	59-50-7			500	360		2,000	2,200
53	Pentachlorophenol	87-86-5	Y	0.27	0.030	0.023	3.0	0.040	0.027
54	Phenol	108-95-2		21,000	4,000	2,500	1,700,000	300,000	270,000
55	2,4,6-Trichlorophenol	88-06-2	Y	1.4	1.5	1.5	2.4	2.8	2.6
56	Acenaphthene	83-32-9		670	70	78	900	90	94

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57	Acenaphthylene	208-96-8							
58	Anthracene	120-12-7		8,300	300	340	40,000	400	370
59	Benzidine	92-87-5	Y	8.6E-05	0.00014	9.0E-05	0.0002	0.011	0.011
60	Benzo(a)Anthracene	56-55-3	Y	0.0038	0.0012	0.0013	0.018	0.0013	0.0014
61	Benzo(a)Pyrene	50-32-8	Y	0.0038	0.00012	0.00013	0.018	0.00013	0.00014
62	Benzo(b)Fluoranthene	205-99-2	Y	0.0038	0.0012	0.0013	0.018	0.0038	0.0014
63	Benzo(ghi)Perylene	191-24-2							
64	Benzo(k)Fluoranthene	207-08-9	Y	0.0038	0.010	0.013	0.018	0.013	0.014
65	Bis(2-Chloroethoxy)Methane	111-91-1							
66	Bis(2-Chloroethyl)Ether	111-44-4	Y	0.030	0.030	0.019	0.53	2.2	2.2
67	Bis(2-Chloroisopropyl) Ether	108-60-1		1,400	200	150	65,000	4,000	3,500
68	Bis(2-ethylhexyl) phthalate	117-81-7	Y	1.2	0.32	0.36	2.2	0.37	0.39
69	4-Bromophenyl Phenyl Ether	101-55-3							
70	Butylbenzyl Phthalate	85-68-7		1,500	0.10	0.11	1,900	0.10	0.11
71	2-Chloronaphthalene	91-58-7		1,000	800	880	1,600	1,000	1,100
72	4-Chlorophenyl Phenyl Ether	7005-72-3							
73	Chrysene	218-01-9	Y	0.0038	0.12	0.14	0.018	0.13	0.14
74	Dibenzo (a,h) Anthracene	53-70-3	Y	0.0038	0.00012	0.00013	0.018	0.00013	0.00014
75	1,2-Dichlorobenzene	95-50-1		420	1,000	1,100	1,300	3,000	3,100
76	1,3-Dichlorobenzene	541-73-1		320	7.0	6.8	960	10	11
77	1,4-Dichlorobenzene	106-46-7		63	300	250	190	900	810
78	3,3'-Dichlorobenzidine	91-94-1	Y	0.021	0.049	0.039	0.028	0.15	0.14
79	Diethyl Phthalate	84-66-2		17,000	600	620	44,000	600	700
80	Dimethyl Phthalate	131-11-3		270,000	2,000	2,000	1,100,000	2,000	2,000
81	Di-n-Butyl Phthalate	84-74-2		2,000	20	27	4,500	30	27
82	2,4-Dinitrotoluene	121-14-2	Y	0.11	0.049	0.03	3.4	1.7	1.6

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83	2,6-Dinitrotoluene	606-20-2							
84	Di-n-Octyl Phthalate	117-84-0							
85	1,2-Diphenylhydrazine	122-66-7	Y	0.036	0.03	0.023	0.20	0.20	0.19
86	Fluoranthene	206-44-0		130	20	20	140	20	20
87	Fluorene	86-73-7		1,100	50	51	5,300	70	58
88	Hexachlorobenzene	118-74-1	Y	0.00028	7.9E-05	6.0E-05	0.00029	7.9E-05	6.0E-05
89	Hexachlorobutadiene	87-68-3	Y	0.44	0.01	0.017	18	0.01	0.017
90	Hexachlorocyclopentadiene	77-47-4		40	4.0	3.7	1,100	4.0	3.9
91	Hexachloroethane	67-72-1	Y	1.4	0.1	0.14	3.3	0.1	0.15
92	Ideno(1,2,3-cd) Pyrene	193-39-5	Y	0.0038	0.0012	0.0014	0.018	0.0013	0.0014
93	Isophorone	78-59-1	Y	35	34	22	960	1,800	1,700
94	Naphthalene	91-20-3							
95	Nitrobenzene	98-95-3		17	10	8.1	690	600	540
96	N-Nitrosodimethylamine	62-75-9	Y	0.00069		0.00040	3.0		2.8
97	N-Nitrosodi-n-Propylamine	621-64-7	Y	0.0050		0.003	0.51		0.49
98	N-Nitrosodiphenylamine	86-30-6	Y	3.3		3.2	6.0		5.8
99	Phenanthrene	85-01-8							
100	Pyrene	129-00-0		830	20	26	4,000	30	27
101	1,2,4-Trichlorobenzene	120-82-1		35	0.071	0.11	70	0.076	0.11
102	Aldrin	309-00-2	Y	4.9E-05	7.7E-07	5.1E-07	5.0E-05	7.7E-07	5.3E-07
103	alpha-BHC	319-84-6	Y	0.0026	0.00036	0.00040	0.0049	0.00039	0.00042
104	beta-BHC	319-85-7	Y	0.0091	0.008	0.0084	0.017	0.014	0.014
105	gamma-BHC (Lindane)	58-89-9		0.98	4.2	3.9	1.8	4.4	4.2
106	delta-BHC	319-86-8							
107	Chlordane	57-74-9	Y	0.00080	0.00031	0.00024	0.00081	0.00032	0.00024
108	4,4'-DDT	50-29-3	Y	0.00022	3.0E-05	1.7E-05	0.00022	3.0E-05	1.7E-05

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109	4,4'-DDE	72-55-9	Y	0.00022	1.8E-05	1.2E-05	0.00022	1.8E-05	1.2E-05
110	4,4' DDD	72-54-8	Y	0.00031	0.00012	9.4E-05	0.00031	0.00012	9.8E-05
111	Dieldrin	60-57-1	Y	5.2E-05	1.2E-06	8.80E-07	5.4E-05	1.2E-06	8.9E-07
112	alpha-Endosulfan	959-98-8		62	20	18	89	30	26
113	beta-Endosulfan	33213-65-9		62	20	20	89	40	40
114	Endosulfan Sulfate	1031-07-8		62	20	20	89	40	36
115	Endrin	72-20-8		0.059	0.030	0.026	0.060	0.030	0.026
116	Endrin Aldehyde	7421-93-4		0.29	1.0	1.1	0.30	1.0	1.2
117	Heptachlor	76-44-8	Y	7.9E-05	5.9E-06	4.10E-06	7.9E-05	5.9E-06	4.1E-06
118	Heptachlor Epoxide	1024-57-3	Y	3.9E-05	3.2E-05	2.6E-05	3.9E-05	3.2E-05	2.6E-05
119	Polychlorinated Biphenyls PCBs	Mutiple CAS	Y	6.4E-05		6.1E-05	6.4E-05		6.3E-05
120	Toxaphene	8001-35-2	Y	0.00028	0.00070	0.00064	0.00028	0.00071	0.00067
121	Chlorine								
122	1,2,4,5-Tetrachlorobenzene	95-94-3			0.03	0.049		0.03	0.05
123	2,4,5-Trichlorophenol	95-95-4			300	310		600	560
124	Bis(Chloromethyl)Ether	542-88-1	Y		0.00015	9.0E-05		0.017	0.018
125	Chlorophenoxy Herbicide (2,4,5-TP)	93-72-1			100	110		400	420
126	Chlorophenoxy Herbicide (2,4-D)	94-75-7			1,300	800		12,000	13,000
127	Dinitrophenols	25550-58-7			10	8.0		1,000	1,000
128	Hexachlorocyclohexane-Technical	608-73-1	Y		0.0066	0.0075		0.010	0.0096
129	Methoxychlor	72-43-5			0.020	0.016		0.020	0.016
130	Pentachlorobenzene	608-93-5			0.10	0.085		0.10	0.089