

**Table 1. LABORATORY TEST RESULTS:  
 MERCURY AND PCB'S IN FISH IN MONTANA  
 (CONCENTRATION EXPRESSED IN MICROGRAMS PER GRAM OF FISH)**

Waterbody	Fish species	Size range (inches)	Conc. µg/g	
			Hg <sup>1</sup>	PCB
Bighorn Lake Bighorn County	Walleye	9.8 - 15.1	0.20	nd <sup>2</sup>
		19.2 - 20.7	0.58	nd
		27.0 - 27.5	1.40	nd
Big Spring Creek Fergus County	Rainbow trout	6.9 - 11.9	nd	0.07
		12.7 - 14.0	nd	0.16
		14.2 - 16.3	nd	0.24
Bynum Reservoir Teton County	Walleye	7.7 - 11.0	0.38	nd
		14.2 - 16.9	0.56	nd
		17.5 - 19.0	0.37	nd
Canyon Ferry Reservoir Broadwater County Lewis & Clark County	Rainbow trout	8.9 - 12.5	0.11	nd
		14.7 - 17.4	0.11	nd
		18.2 - 19.7	0.14	nd
	Yellow perch	5.2 - 6.9	0.10	nd
		7.0 - 9.3	0.11	nd
		9.4 - 11.6	0.20	nd
	Burbot	14.8 - 17.7	0.18	nd
	Walleye	8.8 - 16.9	0.17	nd
		17.3 - 22.2	0.34	nd
24.6 - 27.8		0.50	nd	
Clark Canyon Reservoir Beaverhead County	Rainbow trout	11.6 - 15.9	0.08	nd
		17.0 - 19.4	0.12	nd
		20.2 - 22.8	0.16	nd
	Burbot	26.2 - 27.1	0.07	nd
Cooney Reservoir Carbon County	Rainbow trout	7.6 - 9.2	0.07	nd <sup>2</sup>
		11.7 - 12.9	nd	nd
		12.9 - 13.7	nd	nd
	Walleye	8.8 - 13.1	0.30	nd
		16.7 - 22.2	0.39	nd
		25.6 - 27.4	0.37	nd
Crystal Lake Fergus County	Cutthroat Trout	6.0 - 10.0	0.13	nd
		10.0 - 4.0	0.16	nd
		14.0 - 18.0	0.16	nd
Flathead Lake Flathead County & Lake County	Lake trout	18.0 - 26.7	0.33	0.08
		27.6 - 32.1	0.70	0.16
		32.2 - 38.8	0.91	0.38
	Lake Whitefish	11.4 - 14.1	0.12	nd
		15.2 - 17.7	0.18	nd
		17.9 - 18.9	0.22	nd

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			Hg <sup>1</sup>	PCB
<b>Fort Peck Reservoir</b> Valley, Garfield and Phillips County	Walleye	8.8 - 14.9	0.28	nd
		15.1 - 20.8	0.35	nd
		21.7 - 27.3	0.58	nd
	Northern pike	20.8 - 24.9	0.03	nd
		26.8 - 32.8	0.41	nd
		34.3 - 36.0	0.57	nd
	Lake trout	24.7 - 28.5	0.28	nd
28.9 - 32.0		0.53	nd	
Chinook Salmon	28.5 - 33.6	0.49	nd	
<b>Fresno Reservoir</b> Hill County	Walleye	9.1 - 14.0	0.16	nd <sup>2</sup>
		14.5 - 17.3	0.27	nd
		>17.3	0.75	nd
<b>Georgetown Lake</b> Granite & Deer Lodge Counties	Brook trout	10.7 - 12.5	0.10	nd <sup>2</sup>
		12.8 - 15.0	nd	nd
		15.8 - 15.9	nd	nd
	Kokanee	11.7 - 13.3	0.05	nd
	<b>Hauser Reservoir</b> Lewis & Clark County	Kokanee	6.3 - 7.1	0.05
11.5 - 13.0			0.05	nd
16.9 - 20.6			0.19	nd
Rainbow trout		10.4 - 12.1	0.10	nd
		15.9 - 17.6	nd	nd
Yellow perch		5.3 - 7.7	nd	nd
		8.1 - 10.1	nd	nd
	11.1 - 14.4	0.14	n	
<b>Hebgen Lake</b> Gallatin County	Brown trout	11.2 - 13.8	0.17	nd
		14.7 - 17.7	0.26	nd
		19.2 - 25.6	0.60	nd
<b>Holter Lake</b> Lewis & Clark County	Kokanee	10.5 - 14.0	0.09	nd
		15.8 - 16.6	0.09	nd
		19.5 - 22.1	0.38	nd
	Rainbow trout	12.6 - 13.5	0.08	nd
		14.0 - 17.5	0.07	nd
		17.7 - 19.5	nd	nd
	Walleye	12.0 - 19.5	0.25	nd
		19.7 - 24.1	0.32	0.08
		25.0 - 26.7	0.40	0.05
	Yellow perch	8.2 - 10.0	0.19	nd
10.4 - 11.9		0.26	nd	

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			Hg <sup>1</sup>	PCB
<b>Island Lake</b> Lincoln County	Yellow perch	6.0 - 10.0	0.22	nd
<b>Lake Frances</b> Pondera County	Walleye	12.4 - 14.0	0.45	nd
		16.0 - 17.8	0.75	nd
		18.4 - 20.8	0.91	nd
<b>Lake Koochanusa</b> Lincoln County	Burbot	14.2 - 16.1	0.10	nd
		19.1 - 21.3	0.25	nd
	Kokanee	9.3 - 11.9	0.13	nd
		12.8 - 14.0	0.11	nd
		14.1 - 15.2	0.11	nd
<b>Lake Mary Ronan</b> Lake County	Rainbow trout	13.2 - 15.2	nd	nd
		15.5 - 16.6	nd	nd
	Kokanee	8.7 - 9.7	0.22	nd
		9.9 - 10.9	0.13	nd
		10.7 - 12.0	0.13	nd
<b>Martinsdale Reservoir</b> Meagher & Wheatland Counties	Brown trout	20.4 - 30.4	0.26	nd
		9.6 - 12.2	0.11	nd
	Rainbow trout	14.8 - 16.2	0.13	nd
		16.6 - 17.0	0.12	nd
<b>Milltown Reservoir</b> Missoula County	Northern Pike	4.0 - 18.0	0.04	nd
		18.0 - 22.0	0.04	nd
		22.0 - 26.0	0.04	nd
<b>Nelson Reservoir</b> Phillips County	Walleye	14.0 - 17.5	0.13	nd
		19.0 - 20.6	0.16	nd
		22.1 - 23.2	0.64	nd
		24.5 - 26.0	0.67	nd
	Northern pike	24.0 - 26.1	0.15	nd
<b>Park Lake</b> Jefferson County	Arctic Grayling	6.0 - 10.0	0.01	nd
	Cutthroat trout	6.0 - 10.0	0.01	nd
		10.0 - 14.0	0.01	nd
<b>Seeley Lake</b> Missoula County	Rainbow trout	18.2 - 20.1	nd <sup>2</sup>	0.06
	Mountain whitefish	9.3 - 10.4	nd	nd
		10.6 - 11.1	0.08	nd
		11.2 - 11.6	0.10	nd
<b>Silver Creek<sup>4</sup></b> (near Helena)	Cutthroat trout Catch & Release)	12.7	1.6	-- <sup>3</sup>
		17.1	3.1	--
		18.7	3.0	--

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Waterbody	Fish species	Size range (inches)	Conc. µg/g	
			Hg <sup>1</sup>	PCB
<b>Swan Lake</b> Lake County	Kokanee salmon	7.5 - 11.2	0.06	nd
		12.2 - 12.9	0.07	nd
		14.3 - 17.7	0.08	nd
	Bull trout	11.3 - 17.0	0.10	nd
		17.8 - 19.5	0.12	nd
	Northern Pike	19.6 - 23.2	0.10	nd
<b>Tiber Reservoir</b> (Lake Elwell) Liberty Co.	Walleye	22.0 - 25.6	0.22	nd
		38.3	0.53	nd
		9.5 - 10.7	0.23	nd <sup>2</sup>
	Walleye	10.9 - 14.4	0.54	nd
		16.9 - 19.7	0.78	nd
<b>Tongue River Reservoir</b> Bighorn County	Walleye	10.2 - 12.9	0.13	nd
		16.1 - 22.5	0.26	nd
		25.0 - 26.4	0.46	nd
	Northern pike	24.9 - 26.2	0.17	nd
		28.2 - 30.0	0.30	nd
<b>Willow Creek Reservoir</b> (Harrison Lake) Madison County	Rainbow trout	8.1 - 13.4	0.06	nd
		15.2 - 17.7	0.06	nd
		17.9 - 19.3	0.08	nd
<b>Whitefish Lake</b> Flathead County	Lake trout	14.8 - 18.2	0.24	nd
		19.4 - 22.7	0.32	nd
		24.0 - 26.6	0.42	0.069
	Northern Pike	26.2 - 30.1	0.32	nd <sup>2</sup>

<sup>1</sup> Hg is the scientific abbreviation for mercury.

<sup>2</sup> "nd" means **None Detected**.

<sup>3</sup> Indicates that no fish were collected. Data are not available, and no consumption advice is issued.

<sup>4</sup> Closed to harvest; catch & release only.

**For more information:**

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For further information or details on the collection and laboratory testing of fish in Montana, call the Montana Department of Fish, Wildlife and Parks at (406) 444-2449.

**Table 2. MEAL GUIDELINES FOR CONSUMPTION OF MERCURY-CONTAMINATED FISH**  
*Shaded areas indicate mercury levels for which a consumption advisory is in effect.*  
*For risk Group 1, meal size is 8 oz. of cleaned fish (wet weight, before cooking).*  
*For risk Group 2, meal size is 6 oz. of cleaned fish (wet weight, before cooking).*

Risk Group <sup>2</sup>	Exposure Duration <sup>3</sup>	Mercury level in Fish in parts per million (µg/g)					
		nd - 0.09	0.10 - 0.16	0.17- 0.65	0.66-1.00	1.01 - 2.80	2.81 - 4.5
<b>GROUP 1:</b> Adult Men & Adult Women above child-bearing age <sup>1</sup>	Vacation	Unlimited	Unlimited	Unlimited	4 meal/mo	1 meal/wk	1 meal/mo
	Seasonal	Unlimited	Unlimited	2 meal/wk	2 meal/mo	2 meal/mo	Don't eat
	Annual	Unlimited	Unlimited	1 meal/wk	1 meal/mo	1 meal/mo	Don't eat
<b>GROUP 2:</b> Women of Child-bearing age <sup>2</sup> , Children 6 & under, Nursing Mothers	Vacation	Unlimited <sup>4</sup>	Unlimited <sup>4</sup>	1 meal/wk	1 meal/mo	1 meal/yr	Don't eat
	Seasonal	Unlimited <sup>4</sup>	2 meal/wk <sup>4</sup>	2 meal/mo	1 meal/yr	Don't eat	Don't eat
	Annual	Unlimited <sup>4</sup>	2 meal/wk <sup>4</sup>	1 meal/mo	Don't eat	Don't eat	Don't eat

<sup>1</sup> For Group 1, one meal is considered to be 8 oz of cleaned fish (wet weight-before cooking). See Fact Sheet D for additional information.

<sup>2</sup> If you may become pregnant in the next year or two, are pregnant, or you are a nursing mother, you and your children under 6 years of age are especially sensitive to the effects of mercury. See Fact Sheet D for information on commercial fish and meal size.

<sup>3</sup> If you eat sport-caught fish for 1 to 3 weeks out of the year, use the advice shown for **VACATION**. If you eat sport-caught fish regularly for 1 month to 3 months of the year, use the advice shown for **SEASONAL**. If you eat sport-caught fish regularly 4 or more months of the year, use the advice shown for **ANNUAL**.

<sup>4</sup> Two-6 ounce meals per week of any species of fish is the maximum recommendation for pregnant women, young children, nursing mothers, and other women of child bearing ages. This includes fish from all sources. See Fact Sheet D for information on commercial fish and meal size.

**Table 3. MEAL GUIDELINES FOR CONSUMPTION OF FISH CONTAMINATED WITH PCB'S**

PCB concentration in parts per million (µg/g)	BELOW 0.025	0.025 - 0.10	0.11 - 0.47	ABOVE 0.47
Meal <sup>1</sup> Advice	unlimited	1 meal/wk	1 meal/mo	Don't eat

<sup>1</sup> One meal for men is considered to be 0.5 lbs of cleaned fish (8 oz wet-weight before cooking). One meal for women and children 6 & under is considered to be 6 oz. (wet-weight before cooking).

The Montana Department of Public Health & Human Services and the Montana Department of Fish, Wildlife and Parks will be conducting additional tests on fish from Montana waters. This advisory will be updated as additional information becomes available.

### For More Information:

For more information on the health risks/benefits of fish consumption, or related information, see the fact sheets below, or call the Montana Food, Drug & Cosmetic Program at (406) 444-5306.

For information on the collection and laboratory testing of fish in Montana, call the Montana Department of Fish, Wildlife and Parks at (406) 444-2449.