

## 2001-2012 Total Mercury in Alaskan Fish

Concentration in parts/million wet wt

### Total Mercury in Alaskan Marine Fish

Species	Tissue	N	ND	Mean ± Std Dev	Median	Range
Pacific Halibut	Fillet	2065	7	0.30 ± 0.29	0.20	ND - 2.0
Pacific Cod	Fillet	150	2	0.13 ± 0.093	0.10	ND - 0.50
Sablefish	Fillet	243	5	0.18 ± 0.19	0.11	ND - 1.2
	Whole	5	0	0.24 ± 0.15	0.26	0.087 - 0.44
Walleye Pollock	Fillet	186	101	ND	ND	ND - 0.39
Lingcod	Fillet	221	0	0.44 ± 0.30	0.37	0.029 - 1.7
Kelp Greenling	Fillet	11	0	0.084 ± 0.042	0.085	0.010 - 0.17
	Whole	8	0	0.27 ± 0.16	0.19	0.12 - 0.52
Rock Greenling	Fillet	2	0		0.18	0.15 - 0.20
	Whole	14	0	0.11 ± 0.081	0.082	0.051 - 0.32
Atka Mackerel	Fillet	5	0	0.063 ± 0.037	0.057	0.016 - 0.12
	Whole	4	0	0.048 ± 0.011	0.046	0.038 - 0.064
Rockfish Spp	Fillet	3	0	0.33 ± 0.15	0.32	0.19 - 0.49
Black Rockfish	Fillet	70	1	0.13 ± 0.091	0.099	ND - 0.53
	Whole	4	0	0.11 ± 0.11	0.057	0.050 - 0.27
China Rockfish	Fillet	1	0			0.37
Copper Rockfish	Fillet	4	0	0.18 ± 0.098	0.16	0.090 - 0.31
Dusky Rockfish	Fillet	44	0	0.13 ± 0.12	0.080	0.013 - 0.42
	Whole	14	0	0.16 ± 0.15	0.12	0.036 - 0.61
Pacific Ocean Perch	Fillet	78	32	0.056 ± 0.054	0.041	ND - 0.26
Quillback Rockfish	Fillet	16	0	0.42 ± 0.23	0.40	0.099 - 1.0
Rougheye Rockfish	Fillet	38	0	0.17 ± 0.16	0.12	0.046 - 0.87
Shortraker Rockfish	Fillet	8	0	0.54 ± 0.13	0.53	0.39 - 0.81
Silvergrey Rockfish	Fillet	8	1	0.13 ± 0.13	0.085	ND - 0.43
Tiger Rockfish	Fillet	0				
Yelloweye Rockfish	Fillet	108	1	0.54 ± 0.32	0.48	ND - 1.3
Yellowtail Rockfish	Fillet	2	0		0.038	0.029 - 0.047
Red Irish Lord	Fillet	7	0	0.060 ± 0.019	0.052	0.041 - 0.098
	Whole	6	0	0.061 ± 0.014	0.062	0.042 - 0.076
Yellow Irish Lord	Fillet	4	0	0.30 ± 0.28	0.25	0.049 - 0.66
	Whole	8	0	0.19 ± 0.12	0.15	0.095 - 0.44
Great Sculpin	Fillet	1	0			0.069
	Whole	1	0			0.068
Shorthorn Sculpin	Fillet	1	0			0.19
	Whole	1	0			0.11
Starry Flounder	Fillet	2	0		0.070	0.062 - 0.077
Butter Sole	Fillet	1	0			0.051
Northern Rock Sole	Fillet	5	0	0.046 ± 0.050	0.024	0.020 - 0.14
	Whole	14	0	0.060 ± 0.024	0.067	0.013 - 0.094
Southern Rock Sole	Fillet	1	1			ND
Salmon Shark	Fillet	95	0	1.4 ± 0.29	1.3	0.76 - 2.1
Blue Shark	Fillet	1	0			1.3
Pacific Sleeper Shark	Fillet	1	0			0.89
Spotted Spiny Dogfish	Fillet	66	0	0.70 ± 0.28	0.73	0.095 - 1.3
Big Skate	Fillet	92	0	0.15 ± 0.087	0.12	0.062 - 0.48
Longnose Skate	Fillet	94	0	0.40 ± 0.20	0.37	0.10 - 1.0

### Total Mercury in Alaskan Marine Forage Fish

Species	Tissue	N	ND	Mean ± Std Dev	Median	Range
Pacific Herring	Whole*	11	1	0.016 ± 0.004	0.016	ND - 0.021
Sand Lance	Whole*	1	0			0.005
Capelin	Whole*	1	1			ND
Eulachon	Whole*	7	7	ND	ND	ND
Saffron Cod	Whole	10	0	0.019 ± 0.008	0.018	0.012 - 0.040
Rainbow Smelt	Whole	10	0	0.020 ± 0.007	0.021	0.009 - 0.028

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### Total Mercury in Alaskan Salmon

Species	Tissue	N	ND	Mean ± Std Dev	Median	Range
Chinook Salmon	Fry*	6	0	0.033 ± 0.009	0.031	0.024 - 0.050
	Juvenile*	3	0	0.007 ± 0.001	0.007	0.006 - 0.007
	Fillet	239	2	0.064 ± 0.025	0.062	ND - 0.16
	Whole	15	0	0.044 ± 0.015	0.044	0.020 - 0.067
Sockeye Salmon	Eggs	2	1		0.008	ND - 0.010
	Fry*	1	0			0.026
	Fillet	249	27	0.038 ± 0.014	0.038	ND - 0.082
	Whole	20	0	0.031 ± 0.010	0.033	0.012 - 0.051
Coho Salmon	Eggs	20	10	0.006 ± 0.002	0.005	ND - 0.013
	Testes	6	0	0.006 ± 0.001	0.006	0.005 - 0.007
	Fry*	4	0	0.023 ± 0.003	0.023	0.020 - 0.027
	Juvenile*	9	6	ND	ND	ND - 0.014
	Fillet	329	27	0.039 ± 0.014	0.039	ND - 0.11
	belly	10	0	0.037 ± 0.010	0.039	0.019 - 0.049
	Whole	76	0	0.032 ± 0.010	0.031	0.009 - 0.061
Chum Salmon	Fillet	290	11	0.041 ± 0.014	0.039	ND - 0.10
	Whole	2	2		ND	ND
Pink salmon	Fillet	170	104	ND	ND	ND - 0.064

### Total Mercury in Alaskan Freshwater Fish

Species	Tissue	N	ND	Mean ± Std Dev	Median	Range
Northern Pike	Fillet	575	1	0.41 ± 0.28	0.33	ND - 1.4
	Whole	40	0	0.15 ± 0.069	0.16	0.053 - 0.34
Rainbow Trout	Fillet	31	0	0.090 ± 0.067	0.062	0.016 - 0.33
Lake Trout	Fillet	53	0	0.36 ± 0.18	0.32	0.064 - 0.74
	Whole	31	0	0.28 ± 0.13	0.31	0.059 - 0.54
Grayling	Fillet	48	0	0.087 ± 0.034	0.082	0.033 - 0.18
	Juvenile	1	0			0.048
Arctic Char	Fillet	13	0	0.075 ± 0.080	0.038	0.020 - 0.25
	Whole	9	0	0.026 ± 0.005	0.026	0.018 - 0.033
Dolly Varden	Fillet	22	0	0.12 ± 0.16	0.058	0.011 - 0.55
Sheefish	Fillet	16	0	0.13 ± 0.053	0.12	0.084 - 0.26
Arctic Cisco	Fillet	21	0	0.019 ± 0.003	0.019	0.015 - 0.025
Least Cisco	Fillet	26	0	0.050 ± 0.018	0.045	0.026 - 0.098
Broad Whitefish	Fillet	34	2	0.065 ± 0.039	0.067	ND - 0.21
Humpback Whitefish	Fillet	98	0	0.067 ± 0.032	0.066	0.008 - 0.18
	Whole	24	0	0.048 ± 0.025	0.044	0.012 - 0.12
Round Whitefish	Fillet	12	0	0.075 ± 0.056	0.068	0.008 - 0.20
Burbot	Fillet	27	1	0.33 ± 0.28	0.25	ND - 0.85
Longnose Sucker	Fillet	3	0	0.071 ± 0.012	0.073	0.059 - 0.082
Arctic Lamprey	Whole	10	0	0.029 ± 0.007	0.028	0.018 - 0.040

### Total Mercury in Alaskan Marine Invertebrates

Species	Tissue	N	ND	Mean ± Std Dev	Median	Range
Geoduck (clam)	Tissue	0				
	Viscera	0				
	Whole	7	0	0.041 ± 0.011	0.035	0.027 - 0.054
Butter Clam	Viscera	0				
	Whole	0				
Pacific Littleneck Clam	Whole	4	0	0.011 ± 0.003	0.012	0.007 - 0.014
Razor Clam	Whole	2	0		0.009	0.008 - 0.009
Softshell Clam	Fillet	0				
Cockle	Whole	0				
Alaskan Gaper Clam	Whole	5	5	ND	ND	ND
Arctic Surf Clam	Whole	0				
Pacific Oyster	Whole	16	0	0.013 ± 0.005	0.011	0.006 - 0.023

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**Total Mercury in Alaskan Marine Invertebrates (cont.)**

<b>Species</b>	<b>Tissue</b>	<b>N</b>	<b>ND</b>	<b>Mean ± Std Dev</b>	<b>Median</b>	<b>Range</b>
Pacific Blue Mussel	Whole	23	1	0.018 ± 0.012	0.014	ND - 0.053
Weathervane Scallop	Whole	20	0	0.032 ± 0.006	0.032	0.016 - 0.042
Rock Scallop	Whole	0				
King Crab	Tissue	0				
	Viscera	0				
Dungeness Crab	Tissue	6	0	0.054 ± 0.016	0.057	0.031 - 0.071
	Viscera	0				
Tanner Crab	Tissue	0				
	Viscera	0				
Snow Crab	Tissue	0				
	Viscera	0				
Hermit Crab	Whole	1	1			ND
Krill	Whole	0				
Sidestripe Shrimp	Whole	0				
Spot Shrimp	Whole	0				
Hairy Triton (snail)	Whole	0				
Heros Neptune (snail)	Tissue	0				
Lyre Neptune (snail)	Tissue	0				
	Whole	0				
Pribiloff Neptune (snail)	Tissue	0				
	Whole	0				
Ventricosa Neptune (snail)	Tissue	0				
California Sea Cucumber	Tissue	0				
Octopus	Whole	6	0	0.016 ± 0.005	0.016	0.008 - 0.021
Squid	Whole*	5	5	ND	ND	ND