

Summary and Comparison of Fish Consumption Rates, g/day

All Fish - FFQ

Survey/Population	Sample Size	50%	Mean	75%	90%	95%	99%
Idaho Total -FFQ	4656	16.2	31.3	35.4	71.9	104	231
Idaho Angler - FFQ	1314	19.9	37.3	43.8	87.0	124	253
NPT - FFQ	451	70.5	123	---	270	437	796
ShoBan - FFQ	226	74.6	158	---	392	603	1058

Idaho/Group 2 Fish - FFQ

Survey/Population	Sample Size	50%	Mean	75%	90%	95%	99%
Idaho Total -FFQ	1861	5.2	17.0	16.1	43.0	77.3	158
Idaho Angler - FFQ	1300	5.3	17.2	16.1	44.0	77.3	159
NPT - FFQ	446	61.3	104	---	231	328	764
ShoBan - FFQ	225	48.5	111	---	266	427	793

All Fish – Dietary Recall / NCI

Survey/Population	Sample Size	50%	Mean	75%	90%	95%	99%
Idaho Total -NCI	2959	14.2	22.0	29.7	51.1	67.7	118
Idaho Angler - NCI	1175	15.9	26.5	36.9	64.6	86.4	146
NPT - NCI	451	49.5	75.0	---	173	232	---
ShoBan - NCI	226	14.9	34.9	---	94.5	141	---
EPA 2002 – DR, no NCI	<10,148 ^a	0	19.9	---	74.8	111	216
EPA 2014 - NCI	16,363	17.6	---	32.8	52.8	68.1	105

Idaho/Group 2/non-Marine Fish - Dietary Recall / NCI

Survey/Population	Sample Size	50%	Mean	75%	90%	95%	99%
Idaho Total -NCI	2959	0.1	2.3	0.8	4.7	11.2	40.5
Idaho Angler - NCI	1175	0.6	4.5	2.9	10.8	21.4	62.4
NPT - NCI	446	36.0	66.5	---	159	234	---
24.2% Idaho Fish			16.1				
ShoBan - NCI	225	6.5	18.6	---	48.9	80.0	---
30.1% Idaho Fish			5.6				
EPA 2002 – DR, no NCI	<10,148 ^a	0	7.5	---	17.4	49.6	143
EPA 2014 - NCI	16,363	5.0	---	11.4	22.0	31.8	61.1

^a This is the sample size for age groups 15-44, and 45 years+. Although EPA in 2002 provides FCR for age 18+ this age group sample size is not reported.

Notes on fish groups:

Once we move away from all fish into subgroups of fish comparisons are not direct as the subsets of fish consumption addressed by the various surveys are somewhat different.

Idaho fish for Idaho food frequency questionnaire. Because the Idaho FFQ does not provide species level data, Idaho fish is based on a survey question that asks respondents to say what percentage of the fish they ate over the past year came from Idaho waters. It thus includes Chinook and Coho salmon, and likely excludes some rainbow trout purchased rather than caught. THEREFORE IT IS NOT COMPRABLE TO THE DIETARY RECALL IDAHO FISH GROUP.

Idaho fish for Idaho dietary recall results consists mainly of freshwater fish that may be caught from Idaho waters. Included species are: All trout, whitefish, perch, walleye, catfish, bass, bluegill, crappie, northern pike, sturgeon, crayfish, kokanee and steelhead. It excludes Coho and Chinook salmon, which are largely marine fish even though found in Idaho waters for a portion of their life (see EPA's non-marine group below). It excludes estuarine species such as shrimp as Idaho has no estuaries. It includes all rainbow trout even if purchased in the market (food store or restaurant), because this species is a big part of Idaho aquaculture.

Group 2 fish for NPT & ShoBan Tribes data consists of:

“Any salmon, steelhead, any resident trout, lamprey, other freshwater finfish (sturgeon, whitefish, sucker, bass, bluegill, carp, catfish, crappie, sunfish, tilapia, walleye and yellow perch), freshwater shellfish (crayfish, clams and mussels), geoduck, razor clam, scallops, oysters, octopus and squid”

This is similar to EPA's freshwater and estuarine grouping, but does not appear to prorate any species for habitat.

Non-Marine fish for EPA's surveys consists of freshwater and estuarine species. EPA prorated each species by habitat. Most species are one or the other but some have sizable splits. For example in EPA 2014 shrimp we determined to be 17.6% marine (excluded) and 82.4% estuarine (thus included); tilapia 50 % freshwater and 50% estuarine (all included); and salmon 96% marine (excluded), 3.5% estuarine (included), and 0.5% freshwater (included) .