

Appendix S2. Full fish consumption survey results

Results of Food Pantry Survey

Summarized below are the results of surveys completed with female Tribal members of child-bearing age relying on assistance from food pantries. The survey included questions that assess fish consumption and advisory awareness plus demographic questions.

Screening for tribal enrollment

Q2. I have to ask, are you an enrolled member of the Confederated Salish and Kootenai Tribes?

Table S2-1: Respondents enrolled in CSKT

Enrolled in CSKT	n	%
Yes	30	52
No	28	48

Q3. Which Tribe in the Confederation do you identify with most closely?

Table S2-2: Respondents CSKT tribal affiliation

Tribe	n	%
Salish	20	67
Kootenai	7	23
Pend d'Oreille	1	3
Don't know/Prefer not to answer	2	7

Q4. Are you enrolled in any American Indian tribe or Alaska Native tribe or village?

Table S2-3: Respondents enrolled in any American Indian tribe or Alaska Native tribe or village

Enrolled in any tribe	n	%
Yes	30	100

Table S2-4: Eligible respondents by tribal affiliation

Tribe	n	%
Salish	20	34
Kootenai	7	12
Pend d'Oreille	1	2
Other	30	52

Fish Consumption

This first set of questions are about how much fish you eat in a typical month, the types of fish, and where the fish came from.

Q13. During the average month, about how many meals of fish do you eat including all types of freshwater and saltwater fish either purchased, received from a food pantry, or caught in local waters?

Table S2-5: Amount of fish consumed

Meals	2021 study		2008 study	
	n	%	n	%
Zero	18	31	—	—
One meal or less	20	34	36	55
2-4 meals	18	31	23	35
5-8 meals	2	3	6	10

The following questions were asked of those who said they eat at least one fish meal in an average month.

Q14. Over the last 12 months, what types of fish did you **purchase at a market or store**? Did you **purchase** shellfish such as shrimp, lobster, clams, crab, crayfish, or imitation shellfish?

Table S2-6: Purchased shellfish (shrimp, lobster, clams, crab, crayfish, or imitation shellfish)

	n	%
Yes	23	57
No	17	42

Q16. Did you **purchase** fish fillets, fish sticks, or fish sandwiches?

Table S2-7: Purchased fish fillets, fish sticks, or fish sandwiches

	n	%
Yes	24	60
No	16	40

Q18. Did you **purchase** either light tuna or albacore tuna?

Q19. Light tuna

Table S2-8: Purchased light tuna

	n	%
Yes	21	52
No	19	48

Q20. Albacore tuna

Table S2-9: Purchased albacore tuna

	n	%
Yes	6	15
No	34	85

Q21. Over the last 12 months, what types of fish did you **receive from the food pantry**? Did you **receive** shellfish such as shrimp, lobster, clams, crab, crayfish, or imitation shellfish?

Table S2-10: Food pantry supplied shellfish (shrimp, lobster, clams, crab, crayfish, or imitation shellfish)

	n	%
Yes	8	20
No	32	80

Q22. Did you **receive** fish fillets, fish sticks, or fish sandwiches?

Table S2-11: Food pantry supplied fish fillets, fish sticks, or fish sandwiches

	n	%
Yes	10	25
No	30	75

Q23. Did you **receive** either light tuna or albacore tuna?

Q24. Light tuna

Table S2-12: Food pantry supplied light tuna

	n	%
Yes	28	70
No	12	30

Q25. Albacore tuna

Table S2-13: Food pantry supplied albacore tuna

	n	%
Yes	7	18
No	33	82

Q26. Do you or your family ever eat fish fillets **donated** to this food pantry by the Tribes?

Table S2-14: Ate fish fillets donated by the Tribes

	n	%
Yes	12	30
No	28	70

Q27. When you eat tribally **donated** fish fillets, which types of fish do you normally eat? Do you eat lake trout?

Table S2-15: Ate donated lake trout fillets

	n	%
Yes	8	67
No	2	17
Don't know/Not sure	2	17

Q28. Do you eat lake whitefish?

Table S2-16: Ate donated whitefish fillets

	n	%
Yes	4	33
No	4	33
Don't know/Not sure	4	33

Q29. Do you or your family ever eat fish **caught** from Flathead Lake either by you, a family member, or a friend of the family?

Table S2-17: Ate locally caught fish

	2021 study		2008 study	
	n	%	n	%
Yes	18	45	33	51
No	22	55	32	49

Q30. When you or your family eat fish **caught** from Flathead Lake, which types of fish do you eat? Do you eat lake trout?

Table S2-18: Ate locally caught lake trout

	n	%
Yes	15	83
No	2	11
Don't know/Not sure	1	6

Q31. Do you eat lake whitefish?

Table S2-19: Ate locally caught whitefish

	n	%
Yes	4	22
No	9	50
Don't know/Not sure	5	28

Q32. When you or your family eat fish **caught** from Flathead Lake, are they generally small (less than 14 inches), medium (between 14 and 26 inches), or large (over 26 inches)?

Table S2-20: Size of locally caught fish

Size	n	%
Small (less than 14 in.)	13	72
Medium (14 to 26 in.)	5	28

Knowledge of Mercury Contamination in Fish & Consumption Advisory

This next set of questions are about mercury contamination in fish and fish consumption advisories

Q34. How much do you know about mercury contaminants in fish? Would you say you know a lot, some, very little or nothing at all?

Table S2-21: Knowledge of mercury contamination in fish

	2021 study		2008 study	
	n	%	n	%
A lot	4	7	1	2
Some	16	28	8	12
Very little	26	45	28	43
Nothing at all	11	19	28	43
Don't know/Not sure	1	2	0	0

Q35. Some states and tribes issue consumption advice for fish contaminated with mercury. Are you aware of CSKT's advisory on eating locally caught fish?

Table S2-22: Knowledge of CSKTs fish consumption advisory

	2021 study		2008 study	
	n	%	n	%
Yes	19	33	13	20
No	36	62	52	80
Don't know/Not sure	3	5	0	0

The following questions were asked of respondents who said they were aware of CSKT's fish advisory

Q36. Where did you learn about CSKT's fish advisory? (check all that apply)

Table S2-23: Source for learning about CSKT fish advisory

Source	n	%
TV	2	11
Radio	0	0
Internet	1	5
Brochures	0	0
Mack Days	5	26
Tribal government agencies	4	21
Talking to doctors/health professional	3	16
Talking to people you know	10	53
Signs or posters	2	11

Q38. How much would you say you know about the following parts of the fish consumption guidelines. The fish species included in the advisory? Would you say you know a lot, some, very little or nothing at all?

Table S2-24: Knowledge of species included in the advisory

	2021 study		2008 study	
	n	%	n	%
A lot	0	0	0	0
Some	9	47	0	0
Very little	7	37	6	46
Nothing at all	3	16	7	54

Q39. The size of the fish that should be avoided? Would you say you know a lot, some, very little or nothing at all?

Table S2-25: Knowledge of size of fish to be avoided

	2021 study		2008 study	
	n	%	n	%
A lot	3	16	0	0
Some	8	42	1	8
Very little	4	21	5	38
Nothing at all	4	21	7	54

Q40. The amount of fish that can be safely eaten? Would you say you know a lot, some, very little or nothing at all?

Table S2-26: Knowledge of the amount of fish that can be eaten safely

	2021 study		2008 study	
	n	%	n	%
A lot	1	5	0	0
Some	10	53	0	0
Very little	6	32	6	46
Nothing at all	2	11	7	54

Demographics

This is the last set of questions I have for you today.

Q42. How often did you visit this food pantry over the last year? Did you visit every month, every other month, once every 3 months or infrequently?

Table S2-27: Frequency of food pantry use

Size	n	%
Every month	18	31
Every other month	11	19
Once every 3 months	8	14
Infrequently	19	33
Don't know/Not sure	2	3

Q43. What is your age?

Table S2-28: Age distribution

Size	n	%
18-25	12	21
26-35	30	52
36-45	8	14
46-55	8	14

Q44. What is your relationship status? Are you singel, married, member of an unmarried couple, divorced or separated?

Table S2-29: Relationship status

Size	n	%
Single	29	50
Married	6	10
Member of an unmarried couple	12	21
Divorced/Separated	4	7
Don't know/Not sure	1	2
Preferred not to answer	6	10

Q45. What is the highest level of education that you've completed?

Table S2-30: Educational level completed

Size	n	%
Less than high school	6	10
High school or GED	39	67
Associates degree	8	14
Bachelors degree	2	3
Preferred not to answer	3	5