Appendix A. Table A-1. List of Project Samples and Percent Lipid Measurements.

SAMPLE NUMBER	SAMPL-ING DATE	COMMONNAME	TIS-SUE TYPE	WATERBODY LOCATION	TRIBUTARY OF	STA-TION ID	SUB SITE ID	COMPOSITE GROUP #	NUM-BER IN COMP	DUP #	DUP or NORMAL SAMPLE	SPECIAL ANALYSIS?	RAD. Lab.	LIPIDS * %
96254770	6/20/96	Pacific lamprey	WB	Willamette River	Columbia River	21		1	20		N			21.4
96254771	6/20/96	Pacific lamprey	WB	Willamette River	Columbia River	21		1	20		N			19.6
96254772	6/20/96	Pacific lamprey	WB	Willamette River	Columbia River	21		1	20		N			18.8
								1 Average						19.9
96284741	7/10/96	Walleye	FS	Umatilla River	Columbia River	30	B	2	8		N	AED		1.5
96284742	7/10/96	Walleye	FS	Umatilla River	Columbia River	30	B	2	8		N	AED		1.5
96284743	7/10/96	Walleye	FS	Umatilla River	Columbia River	30	B	2	8		N	AED		1.3
								2 Average						1.4
96284744	7/10/96	Walleye	WB	Umatilla RIver	Columbia River	30	B	3	8		N	AED		8.0
								3 Average						8.0
96284795	7/10/96	Largescale Sucker	WB	Umatilla RIver	Columbia River	30	A	4	12		N			3.5
96284796	7/10/96	Largescale Sucker	WB	Umatilla River	Columbia River	30	A	4	12		N			3.5
96284797	7/10/96	Largescale Sucker	WB	Umatilla RIver	Columbia River	30	A	4	12		N			4.3
								4 Average						3.8
96284798	7/10/96	Largescale Sucker	FS	Umatilla River	Columbia River	30	A	5	4		N			1.2
								5 Average						1.2
96284845	7/11/96	Rainbow Trout	WB	Umatilla River	Columbia River	101		6	21		N	AED		4.8
96284846	7/11/96	Rainbow Trout	WB	Thomas Creek	Umatilla River	101	B	6	20		N	AED		4.5
								6 Average						4.7
96284904	7/11/96	Mountain Whitefish	WB	Umatilla River	Columbia River	101		7	9		N			9.7
96284905	7/11/96	Mountain Whitefish	WB	Umatilla River	Columbia River	101	A	7	9		N			11.5
96284906	7/11/96	Mountain Whitefish	WB	Thomas Creek	Umatilla RIver	101	B	7	9		N			10.8
								7 Average						10.7
96284907	7/11/96	Mountain Whitefish	FS	Umatilla River	Columbia River	101	A	8	9		N			6.0
96284908	7/11/96	Mountain Whitefish	FS	Umatilla River	Columbia River	101	A	8	9		N			5.6
96284909	7/11/96	Mountain Whitefish	FS	Umatilla River	Columbia River	101		8	9		N			6.2
								8 Average						5.9
96284990	7/13/96	Rainbow Trout	WB	Meacham Creek	Umatilla River	101	C	9	30		N			2.8
96284991	7/13/96	Rainbow Trout	WB	Meacham Creek	Umatilla River	101	C	9	30		N			3.3
								9 Average						3.1
96294091	7/15/96	Largescale Sucker	WB	Yakima River	Columbia River	48	F	10	7		N			5.2
96294092	7/15/96	Largescale Sucker	WB	Yakima River	Columbia River	48	F	10	7		N			3.5
96294093	7/15/96	Largescale Sucker	WB	Yakima River	Columbia River	48	F	10	7		N			3.9
								10 Average						4.2
96294094	7/15/96	Bridgelip Sucker	WB	Yakima River	Columbia River	48	F	11	7		N			7.5
96294095	7/15/96	Bridgelip Sucker	WB	Yakima River	Columbia River	48	F	11	7		N			9.5
96294096	7/15/96	Bridgelip Sucker	WB	Yakima River	Columbia River	48	F	11	7		N			7.1
								11 Average						8.0
96374700	9/9/96	Largescale Sucker	FS	Umatilla River	Columbia River	30	A	12	8		N	AED		1.2
96374701	9/9/96	Largescale Sucker	FS	Umatilla River	Columbia River	30	A	12	8		N	AED		1.4
96374702	9/9/96	Largescale Sucker	FS	Umatilla River	Columbia River	30	A	12	8		N	AED		1.6
								12 Average						1.4
96374730	9/11/96	Rainbow Trout	FS	Yakima River	Columbia River	49		13	7		N	AED		3.4
96374731	9/11/96	Rainbow Trout	FS	Yakima River	Columbia River	49		13	7		N	AED		3.2
96374732	9/11/96	Rainbow Trout	FS	Yakima River	Columbia River	49		13	7		N	AED		3.7
								13 Average						3.4
96374765	9/12/96	Rainbow Trout	WB	Yakima River	Columbia River	49		14	7		N	AED		6.8
96374766	9/12/96	Rainbow Trout	WB	Yakima River	Columbia River	49		14	7		N	AED		5.8
96374767	9/12/96	Rainbow Trout	WB	Yakima River	Columbia River	49		14	7		N	AED		5.8
								14 Average						6.1

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SAMPLE NUMBER	SAMPL-ING DATE	COMMONNAME	TIS-SUE TYPE	WATERBODY LOCATION	TRIBUTARY OF	STA-TION ID	SUB SITE ID	COMPOSITE GROUP #	NUM-BER IN COMP	DUP #	DUP or NORMAL SAMPLE	SPECIAL ANALYSIS?	RAD. Lab.	LIPIDS * %
96374793	9/12/96	Largescale Sucker	WB	Yakima River	Columbia River	49		15	5		N	AED		4.7
96374794	9/12/96	Largescale Sucker	WB	Yakima River	Columbia River	49		15	5		N	AED		8.0
96374795	9/12/96	Largescale Sucker	WB	Yakima River	Columbia River	49		15	5		N	AED		6.3
								15 Average						6.3
96374796	9/12/96	Largescale Sucker	FS	Yakima River	Columbia River	49		16	5		N	AED		2.5
96374797	9/12/96	Largescale Sucker	FS	Yakima River	Columbia River	49		16	5		N	AED		3.0
96374798	9/12/96	Largescale Sucker	FS	Yakima River	Columbia River	49		16	5		N	AED		2.3
								16 Average						2.6
97070800	2/25/97	Eulachon	WB	Columbia RIver	Pacific Ocean	3	B	17	144		N	AED		12.5
97070801	2/25/97	Eulachon	WB	Columbia RIver	Pacific Ocean	3	B	17	144		N	AED		13.3
97070802	2/25/97	Eulachon	WB	Columbia RIver	Pacific Ocean	3	B	17	144		N	AED		13.0
								17 Average						12.9
97080800	2/25/97	Largescale Sucker	WB	Deschutes River	Columbia River	98	D	18	5		N	AED		8.1
97080801	2/25/97	Largescale Sucker	WB	Deschutes River	Columbia River	98	C	18	5		N	AED		7.0
97080802	2/25/97	Largescale Sucker	WB	Deschutes River	Columbia River	98	B	18	5		N	AED		10.4
								18 Average						8.5
97080803	2/25/97	Rainbow Trout	WB	Deschutes River	Columbia River	98	A	19	8		N	AED		4.8
								19 Average						4.8
97080804	2/18/97	Mountain Whitefish	WB	Deschutes River	Columbia River	98	D	21	13		N	AED		4.3
97080805	2/18/97	Mountain Whitefish	WB	Deschutes River	Columbia River	98	C	21	13		N	AED		4.5
97080806	2/18/97	Mountain Whitefish	WB	Deschutes River	Columbia River	98	B	21	13		N	AED		5.1
								21 Average						4.6
97080807	2/18/97	Mountain Whitefish	FS	Deschutes River	Columbia River	98	A	22	18	1	N	AED		2.4
97080808	2/18/97	Mountain Whitefish	FS	Deschutes River	Columbia River	98	A	22	18	1	D	AED		2.6
97080809	2/18/97	Mountain Whitefish	FS	Deschutes River	Columbia River	98	B	22	13		N	AED		1.2
97080810	2/18/97	Mountain Whitefish	FS	Deschutes River	Columbia River	98	A	22	13		N	AED		2.9
								22 Average						2.3
97080811	2/18/97	White Sturgeon	FW	Columbia River	Pacific Ocean	6	C	23	1	2	N	AED		4.8
97080812	2/18/97	White Sturgeon	FW	Columbia River	Pacific Ocean	6	C	23	1		N	AED		3.8
97080813	2/18/97	White Sturgeon	FW	Columbia River	Pacific Ocean	6	C	23	1		N	AED		1.5
97080814	2/18/97	White Sturgeon	FW	Columbia River	Pacific Ocean	6	C	23	1	2	D	AED		3.1
								23 Average						3.3
97080815	2/19/97	White Sturgeon	FW	Columbia River	Pacific Ocean	7	A	24	1		N	R, AED	AL	5.3
97080816	2/19/97	White Sturgeon	FW	Columbia River	Pacific Ocean	7	A	24	1		N	R, AED	AL	1.8
97080817	2/19/97	White Sturgeon	FW	Columbia River	Pacific Ocean	7	A	24	1		N	R, AED	AL	7.6
								24 Average						4.9
97080818	2/19/97	White Sturgeon	FW	Columbia River	Pacific Ocean	8	F	25	1		N	R, AED	AL	4.1
97080819	2/19/97	White Sturgeon	FW	Columbia River	Pacific Ocean	8	F	25	1		N	R, AED	AL	10.0
97080820	2/19/97	White Sturgeon	FW	Columbia River	Pacific Ocean	8	F	25	1		N	R, AED	AL	9.1
								25 Average						7.7
97080821	2/19/97	Rainbow Trout	WB	Deschutes River	Columbia River	98	E	19	8		N	AED		4.3
97080822	2/19/97	Rainbow Trout	WB	Deschutes River	Columbia River	98	D	19	8		N	AED		4.2
								19 Average						4.3
97080823	2/19/97	Rainbow Trout	FS	Deschutes River	Columbia River	98	B	20	11		N	AED		3.2
								20 Average						3.2
97080824	2/19/97	Largescale Sucker	FS	Deschutes River	Columbia River	98	E	26	5		N	AED		3.2
97080825	2/20/97	Largescale Sucker	FS	Deschutes River	Columbia River	98	C	26	5		N	AED		3.5
97080990	2/20/97	Largescale Sucker	FS	Deschutes River	Columbia River	98	A	26	5		N	AED		4.4
								26 Average						3.7
97090980	2/20/97	Steelhead	FS	Clearwater River	Snake River	96		27	3	3	N	AED		4.4

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97090981	2/25/97	Steelhead	FS	Clearwater River	Snake River	96		27	3		N	AED		3.8
97090982	2/25/97	Steelhead	FS	Clearwater River	Snake River	96		27	3		N	AED		3.8
								27 Average						4.0
97090983	2/25/97	Steelhead	WB	Clearwater River	Snake River	96		28	3		N	AED		5.7
97090984	2/25/97	Steelhead	WB	Clearwater River	Snake River	96		28	3		N	AED		5.9
97090985	2/25/97	Steelhead	WB	Clearwater River	Snake River	96		28	3		N	AED		5.7
								28 Average						5.8
97090986	2/25/97	Steelhead	FS	Clearwater River	Snake River	96		27	3	3	D	AED		5.0
								27 Average						5.0
97130800	3/21/97	White Sturgeon	WB	Columbia River	Pacific Ocean	8	E	29	1		N	R, AED	AL	7.1
97130801	3/21/97	White Sturgeon	WB	Columbia River	Pacific Ocean	8	B	29	1		N	R	AL	7.1
97130802	3/21/97	White Sturgeon	WB	Columbia River	Pacific Ocean	8	E	29	1		N	R, AED	AL	7.7
								29 Average						7.3
97140800	4/2/97	White Sturgeon	FW	Snake River	Columbia River	13	E	30	1	4	N	R, AED	AL	6.5
97140801	4/2/97	White Sturgeon	FW	Snake River	Columbia River	13	E	30	1	4	D	R, AED	AL	6.2
								30 Average						6.4
97140810	4/3/97	Steelhead	WB	Snake River	Columbia River	93	A	31	5		N	AED		5.5
97140811	4/3/97	Steelhead	WB	Snake River	Columbia River	93	A	31	5		N	AED		5.5
97140812	4/3/97	Steelhead	WB	Snake River	Columbia River	93	A	31	5		N	AED		3.7
								31 Average						4.9
97140815	4/3/97	Steelhead	FS	Snake River	Columbia River	93	A	32	5		N			3.8
97140816	4/3/97	Steelhead	FS	Snake River	Columbia River	93	A	32	5		N			3.2
97140817	4/3/97	Steelhead	FS	Snake River	Columbia River	93	A	32	5		N			3.7
								32 Average						3.6
97170950	4/22/97	Rainbow Trout	FS	Deschutes River	Columbia River	98	E	33	11		N			3.5
97170951	4/22/97	Rainbow Trout	FS	Deschutes River	Columbia River	98	D	33	11		N			3.1
97170952	4/22/97	Rainbow Trout	FS	Deschutes River	Columbia River	98	C	33	11		N			3.2
								33 Average						3.3
97200840	5/14/97	Spring Chinook	WB	Umatilla River	Columbia River	30		34	5		N			17.1
97200841	5/14/97	Spring Chinook	WB	Umatilla River	Columbia River	30		34	5		N			15.3
97200842	5/14/97	Spring Chinook	WB	Umatilla River	Columbia River	30		34	5		N			15.3
								34 Average						15.9
97200843	5/14/97	Spring Chinook	FS	Umatilla River	Columbia River	30		35	5		N			15.8
97200844	5/14/97	Spring Chinook	FS	Umatilla River	Columbia River	30		35	5		N			13.4
97200845	5/14/97	Spring Chinook	FS	Umatilla River	Columbia River	30		35	5		N			15.3
								35 Average						14.8
97200846	5/14/97	Spring Chinook	E	Umatilla River	Columbia River	30		36	NA		N			18.2
97200847	5/14/97	Spring Chinook	E	Umatilla River	Columbia River	30		36	NA		N			18.9
97200848	5/14/97	Spring Chinook	E	Umatilla River	Columbia River	30		36	NA		N			18.4
								36 Average						18.5
97220900	5/28/97	Spring Chinook	WB	Yakima River	Columbia River	48	F	37	5		N			14.8
97220901	5/29/97	Spring Chinook	WB	Yakima River	Columbia River	48	F	37	5		N			13.5
97220902	5/29/97	Spring Chinook	WB	Yakima River	Columbia River	48	F	37	5		N			15.0
								37 Average						14.4
97220903	5/29/97	Spring Chinook	FS	Yakima River	Columbia River	48	F	38	5		N			11.9
97220904	5/29/97	Spring Chinook	FS	Yakima River	Columbia River	48	F	38	5		N			10.8
97220905	5/29/97	Spring Chinook	FS	Yakima River	Columbia River	48	F	38	5		N			15.3
								38 Average						12.7
97220910	5/29/97	Pacific Lamprey	WB	Willamette River	Columbia River	21		39	20		N			14.5
97220911	5/29/97	Pacific Lamprey	WB	Willamette River	Columbia River	21		39	20		N			17.9

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97220912	5/29/97	Pacific Lamprey	WB	Willamette River	Columbia River	21		39	20		N			18.3
								39 Average						16.9
97220915	5/29/97	Pacific Lamprey	FS	Willamette River	Columbia River	21		40	20		N			19.7
97220916	5/29/97	Pacific Lamprey	FS	Willamette River	Columbia River	21		40	20		N			18.6
97220917	5/29/97	Pacific Lamprey	FS	Willamette River	Columbia River	21		40	20		N			21.8
								40 Average						20.0
97250800	6/16/97	Spring Chinook	WB	ooking Glass Cree	Grande Rhonde Rive	94		41	5		N			12.5
97250801	6/16/97	Spring Chinook	WB	ooking Glass Cree	Grande Rhonde Rive	94		41	5		N			14.2
97250802	6/16/97	Spring Chinook	WB	ooking Glass Cree	Grande Rhonde Rive	94		41	5		N			13.4
								41 Average						13.4
97250803	6/16/97	Spring Chinook	FS	ooking Glass Cree	Grande Rhonde Rive	94		42	5		N			10.7
97250804	6/16/97	Spring Chinook	FS	ooking Glass Cree	Grande Rhonde Rive	94		42	5	5	N			10.9
97250805	6/16/97	Spring Chinook	FS	ooking Glass Cree	Grande Rhonde Rive	94		42	5		N			12.7
97250806	6/16/97	Spring Chinook	FS	ooking Glass Cree	Grande Rhonde Rive	94		42	5	5	D			12.1
								42 Average						11.6
97250807	6/16/97	Spring Chinook	E	ooking Glass Cree	Grande Rhonde Rive	94		43	NA		N			18.7
97250808	6/16/97	Spring Chinook	E	ooking Glass Cree	Grande Rhonde Rive	94		43	NA		N			19.6
97250809	6/16/97	Spring Chinook	E	ooking Glass Cree	Grande Rhonde Rive	94		43	NA		N			18.2
								43 Average						18.8
97250811	6/18/97	Spring Chinook	WB	Icicle Creek	Wenatchee River	51		44	5		N			11.2
97250812	6/18/97	Spring Chinook	WB	Icicle Creek	Wenatchee River	51		44	5		N			11.8
97250813	6/18/97	Spring Chinook	WB	Icicle Creek	Wenatchee River	51		44	5		N			10.1
								44 Average						11.0
97250814	6/18/97	Spring Chinook	FS	Icicle Creek	Wenatchee River	51		45	5		N			9.2
97250815	6/18/97	Spring Chinook	FS	Icicle Creek	Wenatchee River	51		45	5		N			8.8
97250816	6/18/97	Spring Chinook	FS	Icicle Creek	Wenatchee River	51		45	5		N			8.8
								45 Average						8.9
97250820	6/20/97	Spring Chinook	WB	Wind River	Columbia River	63		46	5		N			10.2
97250821	6/20/97	Spring Chinook	WB	Wind River	Columbia River	63		46	5		N			12.3
97250822	6/20/97	Spring Chinook	WB	Wind River	Columbia River	63		46	5		N			11.7
								46 Average						11.4
97250823	6/20/97	Spring Chinook	FS	Wind River	Columbia River	63		47	5		N			7.2
97250824	6/20/97	Spring Chinook	FS	Wind River	Columbia River	63		47	5		N			9.5
97250825	6/20/97	Spring Chinook	FS	Wind River	Columbia River	63		47	5		N			9.6
								47 Average						8.8
97260975	6/24/97	Spring Chinook	WB	e White Salmon R	Columbia River	62		48	5		N			13.1
97260976	6/24/97	Spring Chinook	WB	e White Salmon R	Columbia River	62		48	5		N			10.9
97260977	6/24/97	Spring Chinook	WB	e White Salmon R	Columbia River	62		48	5		N			11.0
								48 Average						11.7
97260978	6/24/97	Spring Chinook	FS	e White Salmon R	Columbia River	62		49	5		N			9.3
97260979	6/24/97	Spring Chinook	FS	e White Salmon R	Columbia River	62		49	5		N			11.0
97260980	6/24/97	Spring Chinook	FS	e White Salmon R	Columbia River	62		49	5		N			9.7
								49 Average						10.0
97270900	7/2/97	Spring Chinook	WB	e Fork Willamette	Willamette River	21	B	50	5		N			7.1
97270901	7/2/97	Spring Chinook	WB	e Fork Willamette	Willamette River	21	B	50	5		N			7.1
97270902	7/2/97	Spring Chinook	WB	e Fork Willamette	Willamette River	21	B	50	5		N			8.4
								50 Average						7.5
97270903	7/2/97	Spring Chinook	FS	e Fork Willamette	Willamette River	21	B	51	5		N			5.0
97270904	7/2/97	Spring Chinook	FS	e Fork Willamette	Willamette River	21	B	51	5		N			5.5
97270905	7/2/97	Spring Chinook	FS	e Fork Willamette	Willamette River	21	B	51	5		N			7.1

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								51 Average						5.9
97304975	7/22/97	Largescale Sucker	WB	Columbia River	Pacific Ocean	9	E	52	12		N	R.	AL, Bar	3.9
97304976	7/22/97	Largescale Sucker	WB	Columbia River	Pacific Ocean	9	E	52	12		N	R.	AL, Bar	3.2
97304977	7/22/97	Largescale Sucker	WB	Columbia River	Pacific Ocean	9	F	52	12		N	R.	AL, Bar	2.4
								52 Average						3.2
97304978	7/22/97	Largescale Sucker	FS	Columbia River	Pacific Ocean	9	F	53	12		N	R.	AL	1.9
97304979	7/22/97	Largescale Sucker	FS	Columbia River	Pacific Ocean	9	H	53	12		N	R.	AL	1.9
97304980	7/22/97	Largescale Sucker	FS	Columbia River	Pacific Ocean	9	H	53	12		N	R.	AL	1.4
								53 Average						1.7
97310800	7/28/97	White Sturgeon	WB	anford K-Basin por	Columbia River	9	K	54	1		N	R.O.	AL, Bar	
97310801	7/28/97	White Sturgeon	WB	anford K-Basin por	Columbia River	9	K	54	1		N	R.O.	AL, Bar	
97310802	7/28/97	White Sturgeon	WB	anford K-Basin por	Columbia River	9	K	54	1		N	R.O.	AL, Bar	
								54 Average						
97320850	8/5/97	White Sturgeon	FW	Snake River	Columbia River	13	F	30	1		N	R.	AL	14.1
97320851	8/5/97	White Sturgeon	FW	Snake River	Columbia River	13	F	30	1		N	R.	AL	10.7
								30 Average						12.4
97320852	8/6/97	Spring Chinook	WB	Klickitat River	Columbia River	56	A	55	4		N			4.2
97320853	8/6/97	Spring Chinook	WB	Klickitat River	Columbia River	56	A	55	4		N			4.9
97320854	8/6/97	Spring Chinook	WB	Klickitat River	Columbia River	56	A	55	4		N			4.6
								55 Average						4.6
97320855	8/6/97	Spring Chinook	FS	Klickitat River	Columbia River	56	A	56	4		N			2.2
97320856	8/6/97	Spring Chinook	FS	Klickitat River	Columbia River	56	A	56	4		N			3.0
97320857	8/6/97	Spring Chinook	FS	Klickitat River	Columbia River	56	A	56	3		N			3.2
								56 Average						2.8
97320858	8/7/97	Pacific Lamprey	WB	Fifteen Mile Creek	Columbia River	24		57	11		N			17.4
97320859	8/7/97	Pacific Lamprey	WB	Fifteen Mile Creek	Columbia River	24		57	11		N			18.6
97320860	8/7/97	Pacific Lamprey	WB	Fifteen Mile Creek	Columbia River	24		57	10		N			19.0
								57 Average						18.3
97330975	8/7/97	Rainbow Trout	WB	Klickitat River	Columbia River	56	B	58	30		N			6.3
97330976	8/7/97	Rainbow Trout	WB	Klickitat River	Columbia River	56	F	58	30		N			7.4
								58 Average						6.9
97380975	9/19/97	Fall Chinook	WB	Klickitat River	Columbia River	56		59	3		N			10.3
97380976	9/19/97	Fall Chinook	WB	Klickitat River	Columbia River	56		59	3		N			10.0
97380977	9/19/97	Fall Chinook	WB	Klickitat River	Columbia River	56		59	3		N			9.8
								59 Average						10.0
97380978	9/19/97	Steelhead	WB	Klickitat River	Columbia River	56		60	3		N			14.7
97380979	9/19/97	Steelhead	WB	Klickitat River	Columbia River	56		60	3		N			13.8
97380980	9/19/97	Steelhead	WB	Klickitat River	Columbia River	56		60	3		N			15.7
								60 Average						14.7
97380981	9/19/97	Fall Chinook	FS	Klickitat River	Columbia River	56		61	3		N			8.2
97380982	9/19/97	Fall Chinook	FS	Klickitat River	Columbia River	56		61	3		N			10.6
97380983	9/19/97	Fall Chinook	FS	Klickitat River	Columbia River	56		61	3		N			6.8
								61 Average						8.5
97380984	9/18/97	Fall Chinook	WB	Columbia River	Pacific Ocean	8	G	62	4		N			12.0
97380985	9/18/97	Fall Chinook	WB	Columbia River	Pacific Ocean	8	G	62	4		N			11.0
97380986	9/18/97	Fall Chinook	WB	Columbia River	Pacific Ocean	8	G	62	4		N			10.5
								62 Average						11.2
97380987	9/18/97	Fall Chinook	FS	Columbia River	Pacific Ocean	8	G	63	3		N			10.4
97380988	9/18/97	Fall Chinook	FS	Columbia River	Pacific Ocean	8	D	63	3		N			10.1
97380989	9/18/97	Fall Chinook	FS	Columbia River	Pacific Ocean	8	D	63	3	6	N			9.4

Appendix A. Table A-1. List of Project Samples and Percent Lipid Measurements.

SAMPLE NUMBER	SAMPL-ING DATE	COMMONNAME	TIS-SUE TYPE	WATERBODY LOCATION	TRIBUTARY OF	STA-TION ID	SUB SITE ID	COMPOSITE GROUP #	NUM-BER IN COMP	DUP #	DUP or NORMAL SAMPLE	SPECIAL ANALYSIS?	RAD. Lab.	LIPIDS * %
								63 Average						10.0
97380990	9/18/97	Steelhead	WB	Columbia River	Pacific Ocean	8	D	64	3		N			12.7
97380991	9/18/97	Steelhead	WB	Columbia River	Pacific Ocean	8	E	64	3		N			16.0
97380992	9/18/97	Steelhead	WB	Columbia River	Pacific Ocean	8	E	64	3		N			13.6
								64 Average						14.1
97380993	9/18/97	Steelhead	FS	Columbia River	Pacific Ocean	8	E	65	3		N			9.3
97380994	9/18/97	Steelhead	FS	Columbia River	Pacific Ocean	8	H	65	3		N			9.3
97380995	9/18/97	Steelhead	FS	Columbia River	Pacific Ocean	8	H	65	3		N			6.8
								65 Average						8.5
97380997	9/18/97	Fall Chinook	FS	Columbia River	Pacific Ocean	8	D	63	3	6	D			9.7
								63 Average						9.7
97380998	9/18/97	Fall Chinook	E	Columbia River	Pacific Ocean	8	D	66	3		N			15.0
								66 Average						15.0
97380999	9/18/97	Steelhead	E	Columbia River	Pacific Ocean	8	E	67	4		N			11.6
								67 Average						11.6
97390800	9/26/97	Steelhead	FS	Klickitat River	Columbia River	56		68	3		N			8.1
97390801	9/26/97	Steelhead	FS	Klickitat River	Columbia River	56		68	3		N			9.8
97390802	9/26/97	Steelhead	FS	Klickitat River	Columbia River	56		68	3		N			10.2
								68 Average						9.4
97400925	10/1/97	Fall Chinook	WB	Columbia River	Pacific Ocean	14		69	5		N			8.8
97400926	10/1/97	Fall Chinook	WB	Columbia River	Pacific Ocean	14		69	5		N			7.4
97400927	10/1/97	Fall Chinook	WB	Columbia River	Pacific Ocean	14		69	5		N			7.6
								69 Average						7.9
97400928	10/1/97	Fall Chinook	FS	Columbia River	Pacific Ocean	14		70	5		N			7.0
97400929	10/1/97	Fall Chinook	FS	Columbia River	Pacific Ocean	14		70	5		N			5.5
97400930	10/1/97	Fall Chinook	FS	Columbia River	Pacific Ocean	14		70	5		N			7.0
								70 Average						6.5
97420925	10/16/97	Fall Chinook	WB	Umatilla River	Columbia River	30		71	4		N			6.0
97420926	10/16/97	Fall Chinook	WB	Umatilla River	Columbia River	30		71	4		N			5.5
97420927	10/16/97	Fall Chinook	WB	Umatilla River	Columbia River	30		71	4		N			5.8
								71 Average						5.8
97420928	10/16/97	Fall Chinook	FS	Umatilla River	Columbia River	30		72	4		N			3.6
97420929	10/16/97	Fall Chinook	FS	Umatilla River	Columbia River	30		72	4		N			3.4
97420930	10/16/97	Fall Chinook	FS	Umatilla River	Columbia River	30		72	4		N			2.4
								72 Average						3.1
97420931	10/16/97	Coho	WB	Umatilla River	Columbia River	30		73	4		N			2.7
97420932	10/16/97	Coho	WB	Umatilla River	Columbia River	30		73	4		N	AED		4.9
97420933	10/16/97	Coho	WB	Umatilla River	Columbia River	30		73	4		N			4.3
								73 Average						4.0
97420934	10/17/97	Fall Chinook	WB	Yakima River	Columbia River	48	F	74	5		N			6.5
97420935	10/17/97	Fall Chinook	WB	Yakima River	Columbia River	48	F	74	5		N			5.7
97420936	10/17/97	Fall Chinook	WB	Yakima River	Columbia River	48	F	74	5		N			7.5
								74 Average						6.6
97420937	10/17/97	Fall Chinook	FS	Yakima River	Columbia River	48	F	75	5	7	N			3.5
97420938	10/17/97	Fall Chinook	FS	Yakima River	Columbia River	48	F	75	5		N			3.1
97420939	10/17/97	Fall Chinook	FS	Yakima River	Columbia River	48	F	75	5		N			5.1
97420940	10/17/97	Fall Chinook	FS	Yakima River	Columbia River	48	F	75	5	7	D			3.5
								75 Average						3.8
97450966	11/5/97	Coho	FS	Umatilla River	Columbia River	30		76	6		N			2.6
97450967	11/5/97	Coho	FS	Umatilla River	Columbia River	30		76	6		N			2.2

Appendix A. Table A-1. List of Project Samples and Percent Lipid Measurements.

SAMPLE NUMBER	SAMPL-ING DATE	COMMONNAME	TIS-SUE TYPE	WATERBODY LOCATION	TRIBUTARY OF	STA-TION ID	SUB SITE ID	COMPOSITE GROUP #	NUM-BER IN COMP	DUP #	DUP or NORMAL SAMPLE	SPECIAL ANALYSIS?	RAD. Lab.	LIPIDS * %
97450968	11/5/97	Coho	FS	Umatilla River	Columbia River	30		76	6		N			2.1
								76 Average						2.3
97450970	11/5/97	Coho	E	Umatilla River	Columbia River	30		77	NA		N			8.3
97450971	11/5/97	Coho	E	Umatilla River	Columbia River	30		77	NA		N			8.4
97450972	11/5/97	Coho	E	Umatilla River	Columbia River	30		77	NA		N			8.0
								77 Average						8.2
97470990	11/19/97	Mountain Whitefish	WB	Columbia River	Pacific Ocean	9	Q	78	35	r1	N	R.	AL, Bar	8.1
97470991	11/19/97	Mountain Whitefish	WB	Columbia River	Pacific Ocean	9	Q	78	35		N	R.	AL, Bar	9.5
97470992	11/19/97	Mountain Whitefish	WB	Columbia River	Pacific Ocean	9	P	78	35		N	R.	AL, Bar	8.1
								78 Average						8.6
97470993	11/19/97	Mountain Whitefish	FS	Columbia River	Pacific Ocean	9	O	79	35		N	R.	AL	6.9
97470994	11/19/97	Mountain Whitefish	FS	Columbia River	Pacific Ocean	9	O	79	35		N	R.	AL	7.7
97470995	11/19/97	Mountain Whitefish	FS	Columbia River	Pacific Ocean	9	N	79	35		N	R.	AL	7.4
								79 Average						7.3
97470996	11/19/97	Mountain Whitefish	WB	Columbia River	Pacific Ocean	9	Q	78	35	r1	D	R.O.	AL, Bar	
								78 Average						
97490850	12/3/97	Walleye	WB	Columbia River	Pacific Ocean	7	B	81	4		N	AED		6.9
97490851	12/4/97	Walleye	WB	Columbia River	Pacific Ocean	7	D	81	4		N			7.5
								81 Average						7.2
97500950	12/9/97	Channel Catfish	WB	Columbia River	Pacific Ocean	8	F	84	6		N	R, AED	AL, Bar	13.1
97500951	12/9/97	Channel Catfish	WB	Columbia River	Pacific Ocean	8	F	84	6		N	R, AED		14.5
97500952	12/9/97	Channel Catfish	WB	Columbia River	Pacific Ocean	8	F	84	6		N	R, AED		21.0
								84 Average						16.2
97500953	12/9/97	Largescale Sucker	WB	Columbia River	Pacific Ocean	8	F	85	6		N	R.	AL, Bar	6.4
97500954	12/10/97	Largescale Sucker	WB	Columbia River	Pacific Ocean	8	I	85	6		N	R.	AL	6.5
								85 Average						6.5
97500956	12/10/97	Channel Catfish	FS	Columbia River	Pacific Ocean	8	B	86	9		N			20.6
97500957	12/10/97	Channel Catfish	FS	Columbia River	Pacific Ocean	8	C	86	8		N	R.	AL	12.4
								86 Average						16.5
97500965	12/9/97	White Sturgeon	FW	Columbia River	Pacific Ocean	9	D	82	1		N	R.	AL	8.7
97500966	12/9/97	White Sturgeon	FW	Columbia River	Pacific Ocean	9	B	82	1	8	N	R, AED	AL	7.3
97500967	12/9/97	White Sturgeon	FW	Columbia River	Pacific Ocean	9	B	82	1	8	D	R, AED	AL	7.7
97500968	12/9/97	White Sturgeon	FW	Columbia River	Pacific Ocean	9	A	82	1		N	R, AED	AL	13.9
								82 Average						9.4
97500969	12/12/97	White Sturgeon	WB	Columbia River	Pacific Ocean	9	A	83	1	r2	N	R, AED	AL, Bar	11.1
97500970	12/12/97	White Sturgeon	WB	Columbia River	Pacific Ocean	9	A	83	1		N	R.	AL, Bar	5.9
97500971	12/12/97	White Sturgeon	WB	Columbia River	Pacific Ocean	9	A	83	1		N	R, AED	AL, Bar	7.6
97500972	12/12/97	White Sturgeon	WB	Columbia River	Pacific Ocean	9	A	83	1	r2	D	R.O.	AL, Bar	
								83 Average						8.2
98024000	1/7/98	White Sturgeon	WB	Columbia River	Pacific Ocean	9	I	87	1		N	R, AED	AL, Bar	12.8
98024001	1/7/98	White Sturgeon	WB	Columbia River	Pacific Ocean	9	F	87	1		N	R, AED	AL, Bar	5.9
								87 Average						9.4
98024002	1/8/98	White Sturgeon	FW	Columbia River	Pacific Ocean	9	I	88	1	9	N	R, AED	AL	7.3
98024003	1/8/98	White Sturgeon	FW	Columbia River	Pacific Ocean	9	I	88	1	9	D	R, AED	AL	7.0
								88 Average						7.2
98064090	2/5/98	Steelhead	FS	Columbia River	Pacific Ocean	8	D	89	3		N			4.4
98064091	2/5/98	Steelhead	FS	Columbia River	Pacific Ocean	8	D	89	3		N			4.0
98064092	2/5/98	Steelhead	FS	Columbia River	Pacific Ocean	8	F	89	3		N			7.2
								89 Average						5.2
98064093	2/5/98	Steelhead	WB	Columbia River	Pacific Ocean	8	D	90	3		N			6.8

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SAMPLE NUMBER	SAMPL-ING DATE	COMMONNAME	TIS-SUE TYPE	WATERBODY LOCATION	TRIBUTARY OF	STA-TION ID	SUB SITE ID	COMPOSITE GROUP #	NUM-BER IN COMP	DUP #	DUP or NORMAL SAMPLE	SPECIAL ANALYSIS?	RAD. Lab.	LIPIDS * %
98064094	2/5/98	Steelhead	WB	Columbia River	Pacific Ocean	8	F	90	3		N			7.5
98064095	2/5/98	Steelhead	WB	Columbia River	Pacific Ocean	8	F	90	3		N	AED		8.4
								90 Average						7.6
98124150	3/17/98	Steelhead	WB	Yakima River	Columbia River	48	F	91	4		N	AED		2.2
98124151	3/17/98	Steelhead	WB	Yakima River	Columbia River	48	F	91	4		N	AED		2.9
98124152	3/24/98	Steelhead	WB	Yakima River	Columbia River	48	F	91	4		N	AED		2.2
								91 Average						2.4
98124153	3/24/98	Steelhead	FS	Yakima River	Columbia River	48	F	92	4		N	AED		1.9
98124154	3/24/98	Steelhead	FS	Yakima River	Columbia River	48	F	92	4		N	AED		3.4
98124155	3/24/98	Steelhead	FS	Yakima River	Columbia River	48	F	92	4		N	AED		3.0
								92 Average						2.8
98124160	3/12/98	Mountain Whitefish	WB	Yakima River	Columbia River	48	F	93	10		N	AED		9.4
98124161	3/24/98	Mountain Whitefish	WB	Yakima River	Columbia River	48	F	93	10		N	AED		8.1
98124162	3/24/98	Mountain Whitefish	WB	Yakima River	Columbia River	48	F	93	10		N	AED		10.4
								93 Average						9.3
98124165	3/24/98	Mountain Whitefish	FS	Yakima River	Columbia River	48	F	94	10		N	AED		8.4
98124166	3/31/98	Mountain Whitefish	FS	Yakima River	Columbia River	48	F	94	10		N	AED		7.7
98124167	3/31/98	Mountain Whitefish	FS	Yakima River	Columbia River	48	F	94	10		N	AED		8.6
								94 Average						8.2
98144100	4/1/98	Steelhead	WB	Hood River	Columbia River	25		95	4		N			2.7
98144101	4/1/98	Steelhead	WB	Hood River	Columbia River	25		95	4		N			3.5
98144102	4/15/98	Steelhead	WB	Hood River	Columbia River	25		95	4		N			4.8
								95 Average						3.7
98144103	4/1//98	Steelhead	FS	Hood River	Columbia River	25		96	4		N	AED		1.6
98144104	4/1/98	Steelhead	FS	Hood River	Columbia River	25		96	4		N			2.4
98144105	4/15/98	Steelhead	FS	Hood River	Columbia River	25		96	4		N			2.2
								96 Average						2.1
98164075	4/16/98	Largescale Sucker	WB	Yakima River	Columbia River	48	H	97	6		N			6.1
98164076	4/16/98	Largescale Sucker	WB	Yakima River	Columbia River	48	H	97	6		N			4.8
98164077	4/16/98	Largescale Sucker	WB	Yakima River	Columbia River	48	J	97	6		N	AED		4.2
								97 Average						5.0
98164078	4/16/98	Largescale Sucker	FS	Yakima River	Columbia River	48	J	98	6		N	AED		2.8
98164079	4/16/98	Largescale Sucker	FS	Yakima River	Columbia River	48	I	98	6		N	AED		2.1
98164080	4/16/98	Largescale Sucker	FS	Yakima River	Columbia River	48	I	98	6		N	AED		3.5
								98 Average						2.8
98174080	4/24/98	Smallmouth Bass	FS	Yakima River	Columbia River	48	C	99	3		N	M.O., AED		
98174081	4/24/98	Smallmouth Bass	FS	Yakima River	Columbia River	48	C	99	3		N	M.O., AED		
98174082	4/24/98	Smallmouth Bass	FS	Yakima River	Columbia River	48	B	99	3		N	M.O., AED		
								99 Average						
98174083	4/21/98	Smallmouth Bass	WB	Yakima River	Columbia River	48	B	100	3		N	M.O., AED		
98174084	4/21/98	Smallmouth Bass	WB	Yakima River	Columbia River	48	E	100	3		N	M.O., AED		
98174085	4/21/98	Smallmouth Bass	WB	Yakima River	Columbia River	48	D	100	3		N	M.O., AED		
								100 Average						
98184125	4/28/98	Largescale Sucker	WB	Snake River	Columbia River	13	E	101	6		N	AED		5.0
98184126	4/28/98	Largescale Sucker	WB	Snake River	Columbia River	13	E	101	6		N	AED		2.7
98184127	4/28/98	Largescale Sucker	WB	Snake River	Columbia River	13	C	101	6		N	AED		3.6
								101 Average						3.8
98184128	4/28/98	Largescale Sucker	FS	Snake River	Columbia River	13	C	102	6		N	AED		2.0
98184129	4/28/98	Largescale Sucker	FS	Snake River	Columbia River	13	D	102	6		N	AED		1.7
98184130	4/28/98	Largescale Sucker	FS	Snake River	Columbia River	13	D	102	6		N	AED		1.4

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SAMPLE NUMBER	SAMPL-ING DATE	COMMONNAME	TIS-SUE TYPE	WATERBODY LOCATION	TRIBUTARY OF	STA-TION ID	SUB SITE ID	COMPOSITE GROUP #	NUM-BER IN COMP	DUP #	DUP or NORMAL SAMPLE	SPECIAL ANALYSIS?	RAD. Lab.	LIPIDS * %
								102 Average						1.7
98204150	5/12/98	Channel Catfish	WB	Yakima River	Columbia River	48	A	103	5		N	M.O., AED		
98204151	5/12/98	Channel Catfish	WB	Yakima River	Columbia River	48	A	103	5		N	M.O., AED		
98204152	5/12/98	Channel Catfish	WB	Yakima River	Columbia River	48	A	103	5		N	M.O., AED		
								103 Average						
98204153	5/12/98	Channel Catfish	FS	Yakima River	Columbia River	48	A	104	2		N	M.O., AED		
98204154	5/12/98	Channel Catfish	FS	Yakima River	Columbia River	48	A	104	2		N	M.O., AED		
98204155	5/12/98	Channel Catfish	FS	Yakima River	Columbia River	48	A	104	2		N	M.O., AED		
								104 Average						
								Grand Average						7.8
	* = Percent lipids is determined according to Method 1613B. Tissue sample is extracted for 18-24 hours using methylene chloride:hexane (1:1) in a Soxhlet extractor.													
	R. = This sample was submitted to a Rad. Lab for radionuclide measurements.													
	R.O. = This sample was submitted to a Rad. Lab for only radionuclide measurements.													
	No other chemical measurements were made on this sample.													
	M.O. = This sample was only analyzed by EPA Manchester Lab for QAPP target compounds.													
	AL = Rad. measurements were made at the EPA Montgomery Lab in Alabama.													
	Bar = This sample was sent to Barringer Lab in Golden Colorado for Technetium-99 Analysis													
	AED = This sample was measured for AED Pesticides Using Method 8085													