APPENDIX C

ESTIMATED ANNUAL ALASKAN SEAFOOD PROCESSING SOLID WASTE

ALASKA PROCESSED SEAFOOD PRODUCT TYPE, PRODUCT AMOUNT, AND ESTIMATED AMOUNT OF PROCESSING SOLID WASTE (Source: Tetra Tech 1992).

Species	Product Type	Product Amount		Product Recovery Rate	Estimated Processing Waste	
		Metric Tons	Pounds (x1000)		Metric Tons	Pounds (x1000)
Groundfish (1991)						
Atka Mackeral	whole food fish	3797.53	8372.1	1.00	0.0	0.0
	H/G with roe	682.45	1504.5	0.67	336.1	741.0
	H/G western cut	4844.34	10679.9	0.61	3097.2	6828.2
	H/G eastern cut	5737.41	12648.8	0.50	5737.4	12648.8
	fish meal	166.88	367.9	0.17	814.8	1796.3
	at-plant discard	2552.18	5626.6	0.00	2552.2	5626.6
	Total	17780.79	39199.9		12537.7	27640.9
Arrowtooth Flounder	whole fish	47.89	105.6	1.00	0.0	0.0
	Bled only	0.10	0.2	0.98	0.0	0.0
	gutted only	0.81	1.8	0.90	0.1	0.2
	H/G with roe	0.40	0.9	0.80	0.1	0.2
	H/G western cut	0.84	1.9	0.72	0.3	0.7
	H/G eastern cut	1120.15	2469.5	0.65	603.2	1329.7
	H/G tail removed	1281.60	2825.4	0.62	785.5	1731.7
	kirimi	62.40	137.6	0.48	67.6	149.0
	fillets skinless, bone removed	0.01	0.0	0.22	0.0	0.1
	fish meal	3.85	8.5	0.17	18.8	41.4
	at-plant discard	26469.18	58354.6	0.00	26469.2	58354.6
	Total	28987.23	63905.9		27944.8	61607.7
Capelin	at-plant discard	1.32	2.9	0.00	1.3	2.9
Demersal Shelf Rockfish	whole food fish	241.53	532.5	1.00	0.0	0.0
	whole bait fish	0.99	2.2	1.00	0.0	0.0
	gutted only	153.32	338.0	0.98	3.1	6.9
	H/G with roe	0.84	1.9	0.88	0.1	0.3
	H/G western cut	5.63	12.4	0.60	3.8	8.3
	H/G eastern cut	117.55	259.2	0.50	117.6	259.2
	fillets with skin and ribs	0.10	0.2	0.40	0.2	0.3
	fillets with skin, no ribs	4.85	10.7	0.30	11.3	24.9
	fillets skinless, bone removed	1.13	2.5	0.25	3.4	7.5
	at-plant discard	62.09	136.9	0.00	62.1	136.9
	Total	588.03	1296.4		201.5	444.2
Deepwater Flatfish	whole food fish	4286.55	9450.2	1.00	0.0	0.0
	gutted only	2.68	5.9	0.98	0.1	0.1
	H/G with roe	70.43	155.3	0.80	17.6	38.8
	H/G western cut	13.87	30.6	0.72	5.4	11.9
	H/G eastern cut	425.69	938.5	0.65	229.2	505.3
	H/G tail removed	206.56	455.4	0.62	126.6	279.1
	kirimi	6.22	13.7	0.48	6.7	14.9
	fillets with skin, no ribs	3.30	7.3	0.27	8.9	19.7
	fillets skinless, bone removed	692.23	1526.1	0.22	2454.3	5410.7
	fish meal	0.02	0.0	0.17	0.1	0.2
	at-plant discard	1670.25	3682.3	0.00	1670.3	3682.3
	Total	7377.80	16265.3		4519.2	9963.0
Eulachon	at-plant discard	12.18	26.9	0.00	12.2	26.9
Miscellaneous Flatfish	whole food fish	334.71	737.9	1.00	0.0	0.0
	whole bait fish	1.70	3.7	1.00	0.0	0.0

ALASKA PROCESSED SEAFOOD PRODUCT TYPE, PRODUCT AMOUNT, AND ESTIMATED AMOUNT OF PROCESSING SOLID WASTE.

Species	Product Type	Product Amount		Product Recovery Rate	Estimated Processing Waste	
		Metric Tons	Pounds (x1000)		Metric Tons	Pounds (x1000)
Miscellaneous Flatfish (cont)	gutted only	2.10	4.6	0.90	0.2	0.5
	H/G with roe	452.67	998.0	0.80	113.2	249.5
	H/G western cut	486.79	1073.2	0.72	189.3	417.4
	H/G eastern cut	2321.88	5118.9	0.65	1250.2	2756.3
	H/G tail removed	2.87	6.3	0.62	1.8	3.9
	kirimi	7.86	17.3	0.48	8.5	18.8
	fillets skinless, bone removed	0.12	0.3	0.22	0.4	0.9
	surimi	120.03	264.6	0.20 E	480.1	1058.5
	fish meal	122.32	269.7	0.17	597.2	1316.6
	at-plant discard	23480.38	51765.4	0.00	23480.4	51765.4
	Total	27333.43	60259.9		26121.4	57587.7
Flathead Sole	whole food fish	61.53	135.7	1.00	0.0	0.0
	H/G with roe	10.80	23.8	0.80	2.7	6.0
	H/G western cut	0.36	0.8	0.72	0.1	0.3
	H/G eastern cut	238.43	525.6	0.65	128.4	283.0
	H/G tail removed	14.80	32.6	0.62	9.1	20.0
	kirimi	11.18	24.6	0.48	12.1	26.7
	fillets skinless, bone removed	62.01	136.7	0.22	219.9	484.7
	at-plant discard	220.92	487.0	0.00	220.9	487.0
	Total	620.03	1366.9		593.2	1307.7
Grenadier	at-plant discard	3511.44	7741.4	0.00	3511.4	7741.4
Greenland Turbot	whole food fish	4.06	9.0	1.00	0.0	0.0
	H/G western cut	1.17	2.6	0.72	0.5	1.0
	H/G eastern cut	887.09	1955.7	0.65	477.7	1053.1
	H/G tail removed	2310.57	5093.9	0.62	1416.2	3122.1
	kirimi	83.00	183.0	0.48	89.9	198.2
	fillets stainless, bone removed	0.08	0.2	0.22	0.3	0.6
	fish meal	0.16	0.4	0.17	0.8	1.7
	at-plant discard	1606.64	3542.0	0.00	1606.6	3542.0
	Total	4892.77	10786.7		3591.9	7918.8
Octopus	whole food fish	6.05	13.3	1.00	0.0	0.0
	whole bait fish	21.33	47.0	1.00	0.0	0.0
	bled only	1.89	4.2	0.98	0.0	0.1
	gutted only	30.15	66.5	0.69	13.5	29.9
	mantles only	10.44	23.0	0.85	1.8	4.1
	discard	0.06	0.1	0.00	0.1	0.1
	at-plant discard	133.80	295.0	0.00	133.8	295.0
	Total	203.72	449.1		149.3	329.1
Pacific Cod	whole food fish	16504.30	36385.8	1.00	0.0	0.0
	whole bait fish	914.09	2015.2	1.00	0.0	0.0
	bled only	5047.29	11127.4	0.98	103.0	227.1
	gutted only	394.75	870.3	0.85	69.7	153.6
	H/G with roe	167.93	370.2	0.63	98.6	217.4
	H/G western cut	27771.57	61225.8	0.48	30085.9	66328.0
	H/G eastern cut	35475.52	78210.1	0.46	41645.2	91811.9
	H/G tail removed	246.07	542.5	0.44	313.2	690.4
	salted and split	11241.27	24782.8	0.45	13739.3	30290.0
	roe	5.50	12.1	0.05	104.5	230.4
	fillets with skin and ribs	938.11	2068.2	0.45	1146.6	2527.8
	fillets with skin, no ribs	653.23	1440.1	0.35	1213.1	2674.5
	fillets with ribs, no skin	343.21	756.6	0.25	1029.6	2269.9

ALASKA PROCESSED SEAFOOD PRODUCT TYPE, PRODUCT AMOUNT, AND ESTIMATED AMOUNT OF PROCESSING SOLID WASTE.

Species	Product Type	Product Amount		Product Recovery Rate	Estimated Processing Waste	
		Metric Tons	Pounds (x1000)		Metric Tons	Pounds (x1000)
Pacific Cod (cont)	fillets skinless, bone removed	6394.47	14097.4	0.25	19183.4	42292.2
	surimi	22.06	48.6	0.15	125.0	275.6
	minced flesh	501.51	1105.6	0.50	501.5	1105.6
	fish meal	805.11	1775.0	0.17	3930.8	8666.0
	butterfly, no backbone	133.23	293.7	0.43	176.6	389.4
	at-plant discard	9531.68	21013.8	0.00	9531.7	21013.8
	Total	117090.90	258141.2		122997.7	271163.6
Pelagic Shelf Rockfish	whole food fish	277.04	610.8	1.00	0.0	0.0
	bled only	242.38	534.4	0.98	4.9	10.9
	H/G western cut	9.88	21.8	0.60	6.6	14.5
	H/G eastern cut	763.59	1683.4	0.50	763.6	1683.4
	fillets with skin, no ribs	0.66	1.5	0.30	1.5	3.4
	fillets skinless, bone removed	8.82	19.4	0.25	26.5	58.3
	at-plant discard	237.65	523.9	0.00	237.7	523.9
	Total	1540.02	3395.2		1040.8	2294.5
Pollock	whole food fish	1941.77	4280.9	1.00	0.0	0.0
	whole bait fish	54.41	120.0	1.00	0.0	0.0
	bled only	4.41	9.7	0.98	0.1	0.2
	H/G with roe	23.21	51.2	0.70	9.9	21.9
	H/G western cut	341.88	753.7	0.65	184.1	405.8
	H/G eastern cut	2676.37	5900.4	0.56	2102.9	4636.0
	H/G tail removed	11.47	25.3	0.50	11.5	25.3
	kirimi	62.15	137.0	NA	NA	NA
	roe	267.10	588.9	0.07	3548.6	7823.4
	fillets with skin and ribs	624.06	1375.8	0.35	1159.0	2555.1
	fillets with skin, no ribs	787.02	1735.1	0.30	1836.4	4048.5
	fillets with ribs, no skin	1616.00	3562.7	0.30	3770.7	8312.9
	fillets skinless, bone removed	69137.37	152421.8	0.22	245123.4	540404.6
	surimi	139455.55	307446.9	0.20	557822.2	1229787.4
	minced flesh	4992.73	11007.1	0.34	9691.8	21366.7
	fish meal	17579.27	38755.7	0.17	85828.2	189218.8
	butterfly, no backbone	18.52	40.8	NA	NA	NA
	at-plant discard	96449.95	212635.7	0.00	96450.0	212635.7
	Total	336043.24	740848.5		1007538.6	2221242.4
Pacific Ocean Perch	whole food fish	1399.48	3085.3	1.00	0.0	0.0
	bled only	0.21	0.5	0.98	0.0	0.0
	H/G western cut	450.02	992.1	0.60	300.0	661.4
	H/G eastern cut	4133.32	9112.4	0.50	4133.3	9112.4
	fish meal	0.36	0.8	0.17	1.8	3.9
	at-plant discard	221.05	487.3	0.00	221.1	487.3
	Total	6204.44	13678.4		4656.1	10265.0
Rockfish	whole food fish	28.86	63.6	1.00	0.0	0.0
	whole bait fish	0.30	0.7	1.00	0.0	0.0
	bled only	0.63	1.4	0.98	0.0	0.0
	gutted only	0.08	0.2	0.88	0.0	0.0
	H/G western cut	18.63	41.1	0.60	12.4	27.4
	H/G eastern cut	219.83	484.6	0.50	219.8	484.6
	fillets skinless, bone removed	0.60	1.3	0.25	1.8	4.0
	fish meal	0.01	0.0	0.17	0.0	0.1
	at-plant discard	558.94	1232.3	0.00	558.9	1232.3
	Total	827.88	1825.2		793.1	1748.4

ALASKA PROCESSED SEAFOOD PRODUCT TYPE, PRODUCT AMOUNT, AND ESTIMATED AMOUNT OF PROCESSING SOLID WASTE.

Species	Product Type	Product Amount		Product Recovery Rate	Estimated Processing Waste	
		Metric Tons	Pounds (x1000)		Metric Tons	Pounds (x1000)
Rock Sole	whole food fish	1933.20	4262.0	1.00	0.0	0.0
	gutted only	0.15	0.3	0.90	0.0	0.0
	H/G with roe	8060.70	17770.8	0.80	2015.2	4442.7
	H/G western cut	1260.66	2779.3	0.72	490.3	1080.8
	H/G eastern cut	4453.38	9818.0	0.65	2398.0	5286.6
	H/G tail removed	10.10	22.3	0.62	6.2	13.6
	kirimi	231.78	511.0	0.48	251.1	553.6
	fillets skinless, bone removed	80.68	177.9	0.22	286.0	630.6
	surimi	43032.00	94869.3	0.20 E	172128.0	379477.3
	fish meal	24.09	53.1	0.17	117.6	259.3
	at-plant discard	24719.14	54496.4	0.00	24719.1	54496.4
	Total	83805.88	184760.3		202411.5	446241.0
Sablefish	whole food fish	255.38	563.0	1.00	0.0	0.0
	whole bait fish	2.63	5.8	1.00	0.0	0.0
	bled only	268.85	592.7	0.98	5.5	12.1
	gutted only	9.41	20.7	0.89	1.2	2.6
	H/G western cut	385.21	849.2	0.68	181.3	399.6
	H/G eastern cut	15181.61	33469.7	0.63	8916.2	19656.8
	fillets with skin, no ribs	0.52	1.1	0.30	1.2	2.7
	fillets skinless, bone removed	0.02	0.0	0.25	0.1	0.1
	fish meal	4.64	10.2	0.22	16.5	36.3
	at-plant discard	245.42	541.1	0.00	245.4	541.1
	Total	16353.69	36053.7		9367.3	20651.3
Sculp	fish meal	21.43	47.2	0.17	104.6	230.7
	at-plant discard	8138.12	17941.5	0.00	8138.1	17941.5
	Total	8159.55	17988.7		8242.7	18172.2
Shallow-water Flatfish	whole food fish	405.74	894.5	1.00	0.0	0.0
	whole bait fish	1.55	3.4	1.00	0.0	0.0
	H/G with roe	267.22	589.1	0.80	66.8	147.3
	H/G western cut	1.73	3.8	0.72	0.7	1.5
	H/G eastern cut	148.62	327.7	0.65	80.0	176.4
	H/G tail, removed	10.99	24.2	0.62	6.7	14.8
	kirimi	73.75	162.6	0.48	79.9	176.1
	fillets with skin, no ribs	1.30	2.9	0.27	3.5	7.7
	fillets skinless, bone removed	352.73	777.6	0.22	1250.6	2757.1
	fish meal	2.45	5.4	0.17	12.0	26.4
	at-plant discard	1568.03	3456.9	0.00	1568.0	3456.9
	Total	2834.11	6248.1		3068.2	6764.3
Slope Rockfish	whole food fish	2051.83	4523.5	1.00	0.0	0.0
	bled only	4.32	9.5	0.98	0.1	0.2
	H/G western cut	21.02	46.3	0.60	14.0	30.9
	H/G eastern cut	1193.71	2631.7	0.50	1193.7	2631.7
	fillets with skin, no ribs	0.61	1.3	0.30	1.4	3.1
	fillets skinless, bone removed	18.61	41.0	0.25	55.8	123.1
	at-plant discard	1501.87	3311.1	0.00	1501.9	3311.1
	Total	4791.97	10564.5		2766.9	6100.0
Smelt	fish meal	0.37	0.8	0.22	1.3	2.9
	at-plant discard	92.51	203.9	0.00	92.5	203.9
	Total	92.88	204.8		93.8	206.8

ALASKA PR. ESSED SEAFOOD PRODUCT TYPE, PROL T AMOUNT, AND ESTIMATED AMOUNT OF PROCESSING SOLID WASTE.

Species	Product Type	Product Amount		Product Recovery	Estimated Processing Waste	
		Metric Tons	Pounds (x1000)	Rate	Metric Tons	Pounds (x1000)
Squid	whole food fish	3.41	7.5	1.00	0.0	0.0
	whole bait fish	0.87	1.9	1.00	0.0	0.0
	gutted only	0.02	0.0	0.69	0.0	0.0
	fish meal	31.27	68.9	0.17	152.7	336.6
	mantle only	3.67	8.1	0.75	1.2	2.7
	at-plant discard	466.10	1027.6	0.00	466.1	1027.6
	Total	505.34	1114.1		620.0	1366.9
Shortraker and Rougheye Rockfish	whole food fish	27.20	60.0	1.00	0.0	0.0
	bled only	22.86	50.4	0.98 E	0.5	1.0
	H/G western cut	84.07	185.3	0.60 E	56.0	123.6
	H/G eastern cut	516.42	1138.5	0.50 E	516.4	1138.5
	fillets with skin and ribs	3.43	7.6	0.40 E	5.1	11.3
	fillets with skin, no ribs	1.12	2.5	0.30 E	2.6	5.8
	fillets skinless, bone removed	3.20	7.1	0.25 E	9.6	21.2
	at-plant discard	103.66	228.5	0.00	103.7	228.5
	Total	761.96	1679.8		694.0	1529.9
Other Red Rockfish	whole food fish	4.29	9.5	1.00	0.0	0.0
	gutted only	0.50	1.1	0.88	0.1	0.2
	H/G western cut	35.36	78.0	0.60	23.6	52.0
	H/G eastern cut	342.79	755.7	0.50	342.8	755.7
	fillets with skin and ribs	2.02	4.5	0.40	3.0	6.7
	at-plant discard	93.92	207.1	0.00	93.9	207.1
	Total	478.88	1055.7		463.4	1021.6
Thornyheads	whole food fish	174.18	384.0	1.00	0.0	0.0
	bled only	11.04	24.3	0.98	0.2	0.5
	gutted only	4.74	10.4	0.88	0.6	1.4
	H/G western cut	9.92	21.9	0.60	6.6	14.6
	H/G eastern cut	441.90	974.2	0.50	441.9	974.2
	fillets skinless, bone removed	0.09	0.2	0.25	0.3	0.6
	at-plant discard	74.17	163.5	0.00	74.2	163.5
	Total	716.04	1578.6		523.8	1154.8
Skates	whole food fish	48.17	106.2	1.00	0.0	0.0
	whole bait fish	0.48	1.1	1.00	0.0	0.0
	H/G eastern cut	0.02	0.0	0.32	0.0	0.1
	wings	613.98	1353.6	0.32	1304.7	2876.4
	fish meal	19.30	42.5	0.17	94.2	207.7
	at-plant discard	7750.68	17087.3	0.00	7750.7	17087.3
	Total	8432.63	18590.8		9149.7	20171.5
Sharks	fish meal	0.47	1.0	0.17	2.3	5.1
	at-plant discard	317.53	700.0	0.00	317.5	700.0
	Total	318.00	701.1		319.8	705.1
Yellowfin Sole	whole food fish	26995.72	59515.4	1.00	0.0	0.0
	whole bait fish	99.70	219.8	1.00	0.0	0.0
	gutted only	258.06	568.9	0.90	28.7	63.2
	H/G with roe	16.76	36.9	0.80	4.2	9.2
	H/G western cut	677.72	1494.1	0.72	263.6	581.0
	H/G eastern cut	3652.59	8052.6	0.65	1966.8	4336.0
	kirimi	14438.85	31832.2	0.48	15642.1	34484.9
	fillets skinless, bone removed	5.18	11.4	0.22	18.4	40.5
	surimi	344.06	758.5	0.18	1567.4	3455.5

ALASKA PROCESSED SEAFOOD PRODUCT TYPE, PRODUCT AMOUNT, AND ESTIMATED AMOUNT OF PROCESSING SOLID WASTE.

Species	Product Type	Product Amount		Product Recovery Rate	Estimated Processing Waste	
		Metric Tons	Pounds (x1000)		Metric Tons	Pounds (x1000)
Yellowfin Sole (cont)	fish meal	273.24	602.4	0.17	1334.1	2941.1
	at-plant discard	25668.63	56589.6	0.00	25668.6	56589.6
	Total	72430.51	159681.9		46493.7	102501.1
Shellfish (1990)						
Abalones	frozen raw meat	17.44	38.4	0.25	52.3	115.3
Crab, King	fresh, cooked sections	257.04	566.7	0.55	210.3	463.6
	fresh, cooked whole	1.24	2.7	0.90	0.1	0.3
	frozen, cooked sections	6258.78	13798.1	0.55	5120.8	11289.4
	frozen, cooked whole	255.91	564.2	0.90	28.4	62.7
	Total	6772.97	14931.7		5359.7	11816.0
Crab, Dungeness	fresh, cooked sections	78.51	173.1	0.52	72.5	159.8
	fresh, cooked whole	132.57	292.3	0.90	14.7	32.5
	frozen, cooked sections	730.70	1610.9	0.52	674.5	1487.0
	frozen, cooked whole	2043.21	4504.5	0.90	227.0	500.5
	Total	2984.99	6580.7		988.7	2179.7
Crab, Snow (Tanner)	fresh, cooked sections	75.59	166.6	0.60	50.4	111.1
	fresh, cooked whole	36.60	80.7	0.92	3.2	7.0
	frozen, cooked sections	48590.20	107122.0	0.60	32393.5	71414.6
	frozen, cooked whole	1069.33	2357.4	0.92	93.0	205.0
	Total	49771.72	109726.7		32540.0	71737.7
Scallop	fresh raw, shuck meat	61.62	135.9	0.10	554.6	1222.7
	frozen raw, shuck meat	199.79	440.5	0.10	1798.1	3964.1
	Total	261.41	576.3		2352.7	5186.8
Shrimp (all species)	fresh raw, head off	35.95	79.2	0.50	35.9	79.2
	fresh raw, whole	3.54	7.8	1.00	0.0	0.0
	frozen raw, head off	232.96	513.6	0.50	233.0	513.6
	frozen raw, whole	426.24	939.7	1.00	0.0	0.0
	Total	698.68	1540.3		268.9	592.8
Sea Cucumber	frozen raw, meats	263.71	581.4	0.25	791.1	1744.1
Salmonids (1990)						
Salmon, Chum	canned smoked	17.32	38.2	0.65	9.3	20.6
	canned (unclassified)	1282.09	2826.5	0.65	690.4	1522.0
	cured smoked (unclassified)	35.37	78.0	0.35	65.7	144.8
	fresh raw, dressed	2006.81	4424.2	0.82 A	440.5	971.2
	frozen raw, dressed	12135.37	26753.6	0.82 A	2663.9	5872.8
	Total	15476.97	34120.5		3869.7	8531.2
Salmon, Coho	canned smoked	532.71	1174.4	0.67	262.4	578.4
	canned (unclassified)	13.87	30.6	0.36	24.7	54.4
	fresh raw, dressed	591.07	1303.1	0.82 A	129.7	286.0
	frozen raw, dressed	11216.22	24727.3	0.82 A	2462.1	5427.9
	Total	12353.87	27235.3		2878.9	6346.8
Salmon, King	canned smoked	4.54	10.0	0.65	2.4	5.4
	canned (unclassified)	74.50	164.2	0.65	40.1	88.4

ALASKA PROCESSED SEAFOOD PRODUCT TYPE, PRODUCT AMOUNT, AND ESTIMATED AMOUNT OF PROCESSING SOLID WASTE

Species	Product Type	Product Amount		Product Recovery Rate	Estimated Processing Waste	
		Metric Tons	Pounds (x1000)		Metric Tons	Pounds (x1000)
Salmon, King (cont)	cured smoked (unclassified)	3.82	8.4	0.34	7.4	16.3
	fresh raw, dressed	718.50	1584.0	0.80 A	179.6	396.0
	frozen raw, dressed	2802.05	6177.4	0.80 A	700.5	1544.3
	Total	3603.41	7944.1		930.1	2050.5
Salmon, Pink	canned smoked	431.14	950.5	0.65	232.2	511.8
	canned (unclassified)	53187.88	117258.0	0.65	28639.6	63138.9
	fresh raw, dressed	930.85	2052.1	0.82 A	204.3	450.5
	frozen raw, dressed	12732.33	28069.7	0.82 A	2794.9	6161.6
	Total	67282.21	148330.4		31871.0	70262.8
Salmon, Sockeye	canned smoked	25.99	57.3	0.67	12.8	28.2
	canned (unclassified)	15992.47	35257.0	0.67	7876.9	17365.4
	cured salted (unclassified)	470.11	1036.4	0.40 E	705.2	1554.6
	cured smoked (unclassified)	22.60	49.8	0.33 E	45.9	101.2
	fresh raw, dressed	729.05	1607.3	0.83 A	149.3	329.2
	frozen raw, dressed	52843.31	116498.4	0.83 A	10823.3	23861.1
	frozen raw, fillets	33.53	73.9	0.45 B	41.0	90.3
	Total	70117.06	154580.1		19654.4	43330.0
Salmon, unclassified	cured salted roe	5240.96	11554.2	0.06 E	82108.4	181016.3
	cured salted (unclassified)	30.39	67.0	0.40 E	45.6	100.5
	fresh raw, roe	669.20	1475.3	0.06 E	10484.2	23113.5
	frozen raw, bait	270.43	596.2	NA	NA	NA
	frozen raw, roe	325.84	718.4	0.06 E	5104.9	11254.2
	Total	6536.84	14411.1		97743.1	215484.5
Steelhead Trout	Frozen raw, dressed	10.14	22.4	0.78 A	2.9	6.3
Other Fish (1990)						
Herring	cured salted roe	170.58	376.1	0.10	1535.2	3384.6
	cured salted (unclassified)	1020.37	2249.5	0.61 E	652.4	1438.2
	frozen raw, bait	5188.79	11439.2	1.00	0.0	0.0
	Total	6379.74	14064.8		2187.6	4822.8
Lingcod	frozen raw, dressed	1.09	2.4	0.80 A	0.3	0.6
Finfish, unclassified	frozen raw, dressed	1824.37	4022.0	0.80 E	456.1	1005.5
	frozen raw, fillets	18.20	40.1	NA	NA	NA
	frozen raw, bait	16.48	36.3	NA	NA	NA
	Total	1859.05	4098.5		456.1	1005.5
Halibut	fresh raw, cheeks	1.41	3.1	0.15	8.0	17.7
	fresh raw, dressed	1790.51	3947.4	0.80 A	447.6	986.8
	fresh raw, fillets	15.21	33.5	0.54	13.0	28.6
	frozen raw, cheeks	27.38	60.4	0.15 E	155.2	342.1
	frozen raw, dressed	13642.10	30075.4	0.80 A	3410.5	7518.8
	frozen raw, fillets	284.30	626.8	0.54	242.2	533.9
	Total	15760.92	34746.5		4276.5	9427.9

A = Product recovery rate is an average based on recoveries for "head-on" and "head-off" dressed fish.
B = Product recovery rate is an average based on recoveries for "skin-on" and "skinless" fillets.
E = Product recovery rate is an estimate based on recoveries of similar products from other fish.
NA = Product recovery rate not available.
H/G = Headed and gutted.
SOURCE: Tetra Tech (1992).