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## Biostatistical Information on Salmon Catches in Russia in 1998

**Pacific Research Fisheries Centre (TINRO-centre)**

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Pacific Research Fisheries Centre (TINRO-centre), 4, Shevchenko Alley, Vladivostok, 690600,  
RUSSIA.

Table 1

Commercial salmon catch in Russia ( Far East ) by species, region  
and subregion , in tonnes, 1998.

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Total
Western Bering Sea	23.4	1731.5	112.9			1867.8
Eastern Kamchatka	6777.9	2223.9	4558.9	744.5	343.7	14648.9
Kuriles	28521.1	818.1				29339.2
The Sea of Okhotsk						
Continental coast	6965.2	12877.8	14.2	365.4		20222.6
Western Kamchatka	114369.8	2188.9	5449.4	586.6	117.3	122712.0
Sakhalin coast	27367.3	1435.5				28802.8
Amur Basin	1501.5	3249.0				4750.5
The Sea of Japan						
Primor'ie	4582.0	18.2				4600.2
Southwestern Sakhalin	1986.5	592.5				2579.0
Total	192094.7	25135.4	10135.4	1696.5	461.0	229523.0

Table 2

Commercial salmon catch in Russia ( Far East ) by species, region  
and subregion, in thousands of fish, 1998.

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Total
Western Bering Sea	19.50	558.55	40.32			618.37
Eastern Kamchatka	5668.18	662.39	2086.47	237.57	55.38	8709.99
Kuriles	24031.20	240.80				24272.00
The Sea of Okhotsk						
Continental coast	6533.15	3753.42	5.80	105.23		10397.60
Western Kamchatka	91476.80	678.54	2504.74	229.48	14.50	94904.06
Sakhalin coast	25767.30	488.00				26255.30
Amur Basin	1668.30	1083.00				2751.30
The Sea of Japan						
Primor'ie	5035.20	5.05				5040.25
Southwestern Sakhalin	2613.80	204.30				2818.10
Total	162813.43	7674.05	4637.33	572.28	69.88	175766.97

Table 3

**Commercial pink salmon catch in Russia (Far East)  
by regions, subregions and month in number of fish, 1998.**

Region, subregion	May	June	July	August	September	Октябрь	Total
Eastern Kamchatka			4378925	1284990	4265		5668180
Kuriles			623500	14082800	9308600	16300	24031200
The Sea of Okhotsk							
Western Kamchatka			12751750	75497710	3227340		91476800
Continental Coast		194174	4021900	2307288	9788		6533150
Sakhalin Coast		8600	3978500	21598600	181600		25767300
Amur Basin		206877	1458756	2667			1668300
The Sea of Japan							
Primor'e		433027	4587067	15106			5035200
Southwestern Sakhalin		2123200	409800	80800			2613800
Total		2965878	32210198	114869961	12731593	16300	162793930

Table 4

**Commercial chum salmon catch in Russia (Far East)  
by regions, subregions and month in number of fish, 1998.**

Region, subregion	June	July	August	September	October	Novembe	Total
Eastern Kamchatka	29070	318650	250130	64540			662390
Kuriles			900	69000	139200	31700	240800
The Sea of Okhotsk							
Western Kamchatka		125000	255390	298150			678540
Continental Coast	55719	96861	2946692	654148			3753420
Sakhalin Coast		74700	41000	194200	177800	300	488000
Amur Basin		194832	14404	873764			1083000
The Sea of Japan							
Primor'e			no data				
Southwestern Sakhalin			1000	187800	15500		204300
Total	84789	810043	3509516	2341602	332500	32000	7110450

**Table 5**

**Commercial sockeye salmon catch in Russia (Far East)  
by regions, subregions and month in number of fish, 1998.**

Region, subregion	June	July	August	September	Total
Eastern Kamchatka	1370770	646350	69350		2086470
The Sea of Okhotsk					
Western Kamchatka	1830	1207500	1273240	22170	2504740
Continental Coast	425	1186	4187		5798
Total	1373025	1855036	1346777	22170	4597008

**Table 6**

**Commercial coho salmon catch in Russia (Far East)  
by regions, subregions and month in number of fish, 1998.**

Region, subregion	July	August	September	October	Total
Eastern Kamchatka		550	160050	76970	237570
The Sea of Okhotsk					
Western Kamchatka			52870	176610	229480
Continental Coast		19084	86146		105230
Total	0	19634	299066	253580	572280

**Table 7**

**Commercial chinook salmon catch in Russia (Far East)  
by regions, subregions and month in number of fish, 1998.**

Region, subregion	June	July	August	September	Total
Eastern Kamchatka	35360	19010	1010		55380
The Sea of Okhotsk					
Western Kamchatka	10600	2890	790	220	14500
Total	45960	21900	1800	220	69880

Table 3/1

Commercial pink salmon catch in Russia (Far East)  
by regions, subregions and month in tonnes, 1998.

Region, subregion	May	June	July	August	September	October	Total
Eastern Kamchatka		0.06	5213.56	1559.42	4.90		6777.94
Kuriles			739.99	16713.98	11047.78	19.35	28521.10
The Sea of Okhotsk							
Western Kamchatka		0.04	15047.06	95127.12	4195.54		114369.76
Continental Coast		207.02	4287.83	2459.87	10.44		6965.15
Sakhalin Coast		9.13	4225.54	22939.75	192.88		27367.30
Amur Basin		186.19	1312.91	2.40			1501.50
The Sea of Japan							
Primor'e		394.05	4174.20	13.75			4582.00
Southwestern Sakhalin		1613.6	311.4	61.4			1986.5
Total		2410.13	35312.54	138877.70	15451.54	19.35	192071.25

Table 4/1

Commercial chum salmon catch in Russia (Far East)  
by regions, subregions and month in tonnes, 1998.

Region, subregion	June	July	August	September	October	November	Total
Eastern Kamchatka	85.37	1151.92	792.37	194.28			2223.94
Kuriles			3.1	234.4	472.9	107.7	818.10
The Sea of Okhotsk							
Western Kamchatka		490.00	893.86	805.00			2188.86
Continental Coast	191.49	332.33	10109.96	2244.35			12878.12
Sakhalin Coast		219.74	120.61	571.26	523.02	0.88	1435.50
Amur Basin		584.50	43.21	2621.29			3249.00
The Sea of Japan							
Primor'e				no data			
Southwestern Sakhalin			2.90	544.65	44.95		592.50
Total	276.86	2778.48	11965.96	7215.25	1040.89	108.58	23386.02

Table 5/1

**Commercial sockeye salmon catch in Russia (Far East)  
by regions, subregions and month in tonnes, 1998.**

Region, subregion	June	July	August	September	Total
Eastern Kamchatka	2987.22	1412.20	159.50		4558.92
The Sea of Okhotsk					
Western Kamchatka	4.00	2415.00	2979.38	51.00	5449.38
Continental Coast	1.04	2.90	10.25		14.2
Total	2992.26	3830.10	3149.13	51.00	10022.50

Table 6/1

**Commercial coho salmon catch in Russia (Far East)  
by regions, subregions and month in tonnes, 1998.**

Region, subregion	June	July	August	September	October	Total
Eastern Kamchatka			1.70	475.68	267.08	744.46
The Sea of Okhotsk						
Western Kamchatka				138.00	448.58	586.58
Continental Coast			66.27	299.13		365.40
Total			67.97	912.81	715.66	1696.44

Table 7/1

**Commercial chinook salmon catch in Russia (Far East)  
by regions, subregions and month in tonnes, 1998.**

Region, subregion	June	July	August	September	Total
Eastern Kamchatka	216.84	118.78	8.08		343.70
The Sea of Okhotsk					
Western Kamchatka	83.30	25.00	7.00	2.00	117.30
Total	300.14	143.78	15.08	2.00	461.00

Table 8

## Escapement of adult pacific salmon to spawning areas in Russia, by species, region and subregion in thousands of fishes, 1998

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Total
Eastern Kamchatka	7282.2	1034.6	829.70	565.0	68.6	9780.1
Kuriles	3920.0	64.0				3984.0
The Sea of Okhotsk						
Western Kamchatka	42118.6	792.8	1213.5	418.5	90.1	44633.5
Continental Coast	4215.4	2647.3				6862.7
Sakhalin Coast	9576.4	129.5				9705.9
Amur Basin	1918.1	730.2				2648.3
The Sea of Japan						
Primor'e	760.0					760.0
Southwestern Sakhalin	3119.1					3119.1
Total	72909.8	5398.4	2043.2	983.5	158.7	81493.6

Table 11

## Salmon fry released from Russian hatcheries, in thousands of fish, 1998.

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Masu	Total
Eastern Kamchatka		23392.7		106.0			23498.7
Kuriles	74904.0	8949.0					83853.0
The Sea of Okhotsk							
Western Kamchatka		2501.5	6360.0		336.9		9198.4
Continental Coast	5250.0	6948.0	350.0	150.0			12698.0
Sakhalin Coast	221306.0	158737.0	16.0	2867.0		33.0	382959.0
Amur River Basin	6234.8						6234.8
The Sea of Japan							
Primor'e		2400.0					2400.0
Southwestern Sakhalin	16400.0	79146.0					95546.0
Total	324094.8	282074.2	6726.0	3123.0	336.9	33.0	616387.9

Table 9

Number of outmigrants of pacific salmon from Russian rivers in 1998, in  
thousands of fish.

Region, subregion, river	Pink	Chum	Sockeye	Coho	Chinook	Masu
1	2	3	4	5	6	7
Eastern Kamchatka						
R. Kamchatka basin						
R. Kamchatka	36699.13	5801.53	5220.75	2951.51	595.49	
L. Ushki		26.49	11.79	200.12		
R. Nikolka			242.42	1485.09		
R. Zhupanovka		309.16	61.80	103.32	31.78	
R. Avacha	106808.69	20550.17	231.11		397.95	
South Kuril						
R. Olya	7100.00	120.00				
R. Rybatskaja	3218.00	348.00				
R. Ilushina	2950.00	1219.00				
The Sea of Okhotsk						
Western Kamchatka						
R. Bolshaja basin						
R. Bystraja		2196.00	1613.50	4210.00	4084.00	
R. Kluchevka		71.30	63.00	114.80	101.80	
R. Kihchik	566.34	955.39	62.33	751.30	128.92	77.75
R. Icha	1645.47	836.56	499.09			
Continental coast						
R. Najahan	51000	7570				
R. Kulkuty	920					
R. Ola	1000	unit				
R. Tauy	5500	1622				
R. Okhota	4000	5000				
R. Amur basin						
R. Amur	12868	68395				
K. Amgun	121200	212400				
R. Anui		14820				
R. Ul	110	9286				
Amur mouth region						
R. Isky	10318	1078				



## Continuation of table 9

1	2	3	4	5	6	7
Sakhalin coast						
R. Langry	2570.00	1800.00				
R. Bakhura	3400.00					
R. Tym		26200.00				
R. Poronaj basin						
Cr. Berezovyi	8980.00					
R. Ljutoga	94200.00					
R. Dudinka	2700.00					
R. Kura	10600.00					
R. Ochepukha	66100.00					
R. Dagi	8900.00					
R. Melkaja	11700.00					
The Sea of Japan						
South Western Sakhalin						
R. Pokosnaja	8559.00					
Primor'e						
R. Ulika	1820.0					
R. Barabashevka		100.0				
R. Rjazanovka		240.0				

Table 10

**Quantity of different gears on pacific salmon fishery in Russia, by regions  
and subregions, in specimen, 1998.**

Region, subregion	Gears		Total
	Set (beach) seine	River seine	
Eastern Kamchatka	71	107	178
Kuriles	111	36	147
The Sea of Okhotsk			
Western Kamchatka	128	341	469
Continental Coast	19	222	241
Sakhalin Coast	224	17	241
Amur Basin		8	8
The Sea of Japan			
Primor'e		no data	
Southwestern Sakhalin	23	0	23

Table 12

**Average weights (kg) of salmon in commercial catches in Russia ( Far East )  
by species, region and subregion, 1998.**

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook
Western Bering Sea	1.2	3.10	2.80		
Eastern Kamchatka	1.20	3.36	2.18	3.13	6.21
Kuriles	1.19	3.40			
The Sea of Okhotsk					
Continental coast	1.07	3.43	2.45	3.47	
Western Kamchatka	1.25	3.23	2.18	2.56	8.09
Sakhalin coast	1.06	2.94			
Amur Basin	0.90	3.00			
The Sea of Japan					
Primor'e	0.91	3.60			
Southwestern Sakhalin	0.76	2.90			

Table 13

**Sport catch of Pacific salmon in Russia (Far East) by species, and area, in numbers of fish, 1998.**

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Total
Eastern Kamchatka	1635270	1120	3320	11880	2090	1653680
Kuriles	63200					63200
The Sea of Okhotsk						
Western Kamchatka	17660	3210	18550	8240	760	48420
Continental Coast						
Sakhalin Coast	63300	4700				68000
Amur River Basin						
The Sea of Japan						
Primor'e						
Southwestern Sakhalin	25300					25300
Total	1804730	9030	21870	20120	2850	1858600

Table 14

**Subsistence catch of Pacific salmon in Russia (Far East) by species, and area, in numbers of fish, 1998.**

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Total
Eastern Kamchatka	44930	850	640	2740	350	49510
The Sea of Okhotsk						
Western Kamchatka	41560	14050	36540	10240	3150	105540
Continental Coast	350984	23040	1130	3787		378941
Sakhalin Coast	51200	54500				105700
Amur River Basin	1997870	999130				2997000
The Sea of Japan						
Primor'e		500				500
Total	2486544	1092070	38310	16767	3500	3637191

Table 15

**Catch of Pacific salmon by foreign fishery fleet in far-eastern Russian exclusive economic zone  
by species, by region, in tonnes, 1998.**

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Masu	Total
Eastern Kamchatka	10.0	4628.0	1004.0	1.0	149.0		5792.0
Southern Kuriles	460.0	5139.0	1048.0	666.0	167.0		7480.0
Northern Kuriles	23.0	150.0	439.0	10.0	7.0		629.0
The Sea of Okhotsk							
Western Kamchatka	111.0	929.0	151.0	29.0	3.0		1223.0
Sakhalin coast	19.0	1166.0	3.0	3.0	3.0		1194.0
The Sea of Japan							
Primor'e	295.0					3.0	298.0
Total	918.0	12012.0	2645.0	709.0	329.0	3.0	16616.0