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**Biostatistical Information on Salmon Catches, Escapement,
Outmigrants Number, and Enhancement Production
in Russia in 2001**

Pacific Research Fisheries Centre (TINRO-Centre)
4, Shevchenko Alley, Vladivostok, 690600, Russia

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Table 1

Total salmon catch in Russia (Far East) by species, region and subregion , in tonnes, 2001.

Region,subregion	Pink	Chum	Sockeye	Coho	Chinook	Total
Western Bering Sea	23.65	1116.99	242.68			1383.32
Eastern Kamchatka	42714.40	12408.40	5965.10	1086.90	397.50	62572.30
Kuriles	23543.05	3351.80	160.70	59.30	24.70	27139.55
The Sea of Okhotsk						
Western Kamchatka	205.10	1897.30	11748.10	400.60	28.40	14279.50
Continental coast	7296.75	4214.15	7.36	180.95		11699.21
Sakhalin coast	95904.94	1105.63				97010.57
Amur Basin	821.40	2142.82				2964.22
The Sea of Japan						
Primor'e	18.99	3.50				22.49
Southwestern Sakhalin	244.87	3407.92				3652.79
Total	170773.15	29648.51	18123.94	1727.75	450.60	220723.95

Table 2

Total salmon catch in Russia (Far East) by species, region and subregion in thousands of fish 2001

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Total
Western Bering Sea	18.33	294.72	78.28			391.33
Eastern Kamchatka	30578.93	3642.73	2163.37	365.89	50.81	36801.73
Kuriles	16051.40	840.55	40.20	16.89	2.94	16951.98
The Sea of Okhotsk						
Western Kamchatka	146.46	479.12	3814.32	134.43	4.01	4578.34
Continental coast	6204.66	1191.84	2.97	42.18		7441.65
Sakhalin coast	73907.00	374.60				74281.60
Amur Basin	753.58	642.53				1396.10
The Sea of Japan						
Primor'e	13.05	0.70				13.75
Southwestern Sakhalin	214.80	954.60				1169.40
Total	127888.21	8421.39	6099.14	559.39	57.76	143025.88

Table 3

**Total pink salmon catch in Russia (Far East)
by regions, subregions and month in number of fish, 2001.**

Region, subregion	May	June	July	August	September	Октябрь	Total
Western Bering Sea			5430	12903			18333
Eastern Kamchatka		130	27764520	2790710	23570		30578930
Kuriles			289600	11973800	3784000	4000	16051400
The Sea of Okhotsk							
Western Kamchatka			64460	79390	2610		146460
Continental Coast		1008962	3840256	1355445			6204663
Sakhalin Coast		200	24513900	48850700	542200		73907000
Amur Basin			550459	203120			753579
The Sea of Japan							
Primor'e		4261	4418	4369			13048
Southwestern Sakhalin		10900	51100	152800			214800
Total		1024453	57084143	65423237	4352380	4000	127888213

Table 4

**Total chum salmon catch in Russia (Far East)
by regions, subregions and month in number of fish, 2001.**

Region, subregion	June	July	August	September	October	November	Total
Western Bering Sea		111967	176748	6006			294721
Eastern Kamchatka	45860	2804560	700720	91590			3642730
Kuriles				53200	522550	264800	840550
The Sea of Okhotsk							
Western Kamchatka		132060	304160	42900			479120
Continental Coast		37265	877386	277191			1191842
Sakhalin Coast		92900	9500	242400	29800		374600
Amur Basin		240035	179916	222574			642525
The Sea of Japan							
Primor'e				697			697
Southwestern Sakhalin			18000	928800	7800		954600
Total	45860	3418787	2266430	1865358	560150	264800	8421385

Table 5

**Total sockeye salmon catch in Russia (Far East)
by regions, subregions and month in number of fish, 2001.**

Region, subregion	June	July	August	September	Total
Western Bering Sea		67448	10039	796	78283
Eastern Kamchatka	1244300	811780	99020	8270	2163370
Kuriles		23000	16630	570	40200
The Sea of Okhotsk					
Western Kamchatka		1465870	2335490	12960	3814320
Continental Coast		2000	970		2970
Total	1244300	2370098	2462149	22596	6099143

Table 6

**Total coho salmon catch in Russia (Far East)
by regions, subregions and month in number of fish, 2001.**

Region, subregion	June	July	August	September	October	Total
Eastern Kamchatka		2470	268320	95100		365890
Kuriles		1620	6735	5954	2581	16890
The Sea of Okhotsk						
Western Kamchatka		1200	75550	57680		134430
Continental Coast	10940	11443	11636	2875	5287	42181
Total	10940	16733	362241	161609	7868	559391

Table 7

**Total chinook salmon catch in Russia (Far East)
by regions, subregions and month in number of fish, 2001.**

Region, subregion	June	July	August	September	Total
Eastern Kamchatka	41450	8250	1050	60	50810
Kuriles		1619	1321		2940
The Sea of Okhotsk					
Western Kamchatka		3930	80		4010
Total	41450	13799	2451	60	57760

Table 3/1

**Total pink salmon catch in Russia (Far East)
by regions, subregions and month in tonnes, 2001.**

Region, subregion	June	July	August	September	October	Total
Western Bering Sea		7.00	16.65			23.65
Eastern Kamchatka	0.16	38810.76	3873.19	30.32		42714.43
Kuriles		424.77	17562.32	5550.10	5.86	23543.05
The Sea of Okhotsk						
Western Kamchatka		90.24	111.15	3.66		205.05
Continental Coast	1150.22	4576.27	1570.26			7296.75
Sakhalin Coast	0.29	31810.32	63390.62	703.71		95904.94
Amur Basin		600.00	221.40			821.40
The Sea of Japan						
Primor'e	6.20	6.43	6.36			18.99
Southwestern Sakhalin	12.43	58.25	174.19			244.87
Total	1169.30	76384.04	86926.14	6287.79	5.86	170773.13

Table 4/1

**Total chum salmon catch in Russia (Far East)
by regions, subregions and month in tonnes, 2001.**

Region, subregion	June	July	August	September	October	November	Total
Western Bering Sea		424.35	669.88	22.76			1116.99
Eastern Kamchatka	159.59	9517.86	2416.95	314.03			12408.43
Kuriles				212.14	2083.74	1055.92	3351.80
The Sea of Okhotsk							
Western Kamchatka		522.97	1204.49	169.87			1897.33
Continental Coast		127.50	3102.60	984.05			4214.15
Sakhalin Coast		274.19	28.04	715.44	87.96		1105.63
Amur Basin		800.52	600.02	742.28			2142.82
The Sea of Japan							
Primor'e				3.50			
Southwestern Sakhalin			64.26	3315.81	27.85		3407.92
Total	159.59	11667.39	8086.24	6479.88	2199.55	1055.92	29648.57

Table 5/1

**Total sockeye salmon catch in Russia (Far East)
by regions, subregions and month in tonnes, 2000.**

Region, subregion	June	July	August	September	October	Total
Western Bering Sea		209.09	31.12	2.47		242.68
Eastern Kamchatka	3210.30	2447.39	285.03	22.42		5965.14
Kuriles		92.00	66.50	2.2		160.70
The Sea of Okhotsk						
Western Kamchatka		4514.88	7193.31	39.92		11748.11
Continental Coast		4.96	2.40			7.36
Total	3210.30	7268.32	7578.36	67.01		18123.99

Table 6/1

**Total coho salmon catch in Russia (Far East)
by regions, subregions and month in tonnes, 2001.**

Region, subregion	June	July	August	September	October	Total
Eastern Kamchatka		7.32	795.40	284.18		1086.90
Kuriles		5.70	23.64	20.90	9.06	59.30
The Sea of Okhotsk						
Western Kamchatka		3.57	225.13	171.90		400.60
Continental Coast	47.14	49.14	50.12	12.17	22.38	180.95
Total	47.14	65.73	1094.29	489.15	31.44	1727.75

Table 7/1

**Total chinook salmon catch in Russia (Far East)
by regions, subregions and month in tonnes, 2001.**

Region, subregion	June	July	August	September	Total
Eastern Kamchatka	257.41	130.86	8.77	0.46	397.50
Kuriles		13.60	11.10		24.70
The Sea of Okhotsk					
Western Kamchatka		27.83	0.57		28.40
Total	257.41	172.29	20.44	0.46	450.60

Table 8

Escapement of adult pacific salmon to spawning areas in Russia, by species, region and subregion in thousands of fishes, 2001.

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Total
Western Bering Sea		1500.00	310.15			1810.15
Eastern Kamchatka	11661.10	686.80	722.60		98.30	13168.80
Kuriles	1789.00	121.30				1910.30
The Sea of Okhotsk						
Western Kamchatka	1215.00	2258.00	339.90		30.00	3842.90
Continental Coast	3725.00	11039.20		36.50		14800.70
Sakhalin Coast	18235.80	81.60				18317.40
Amur Basin	428.10	931.50				1359.60
The Sea of Japan						
Primor'e	18.00	10.00				28.00
Southwestern Sakhalin		703.40				703.40
Total	37072.00	17331.80	1372.65	36.50	128.30	55941.25

Table 9

Number (specimens) of outmigrants of pacific salmon from Russian rivers
in 2001, 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	754536	15310997	579490	374166	197286	
L.Ushki		3668	100616		105634	
R.Nikolka			1324964		130949	
R.Zhupanovka		687201	43060	36844	14064	
R.Avacha	5212790	3042442	36736	102751	842886	
South Kuril						
R.Olya	6040	100				
R.Rybatetskaja	19430	1809				
R.Ilushina	21453	1640				
The Sea of Okhotsk						
Western Kamchatka						
R.Icha	1824520	4315070	1139369			
R.Bystraja	4505380	1176767	1607126	1161114	869462	
R.Kluchevka	100979	38329	20406	58308	43731	
R.Kihchik	25442021	2628614	8855166	279577	1670621	181556
R.Sadushka	18120603	15704		7194	59059	1988
R.Kiumshich	1818220	101939	83772		73386	
Continental coast						
R.Najahan	1500	5600				
R.Ola	200	150				
R.Tauy	156	4685				
R.Okhota		27200				
R.Jama	5000	12000				
R.Amur basin						
R.Amur	100800	261300				
R.Amgun	974100	110500				
R.Anui		14108				
R.Ul	1454	16292				
Amur mouth region						
R.Isky	2014	2305				
R.Duki	7900	6300				

Continuation of table 9

1	2	3	4	5	6	7
Sakhalin coast						
R. Langry	2800.00	2140.00				
R. Bakhura	4780.00					
R. Tym		3960.00				
Cr. Holdnyi	8106.00					
R. Ljutoga	15174.00					
R. Dudinka	670.00					
R. Kura	3283.00					
R. Dagi	3900.00					
R. Melkaja	3800.00					
The Sea of Japan						
South Western Sakhalin						
R. Pokosnaja	15700.00					
R. B. Uandi	600.00					
Primor'e						
R. Tumnin						
R. Ulika	17764.00					
R. Avvakumovka						
R. Samarga						

Table 10

Quantity of different gears on pacific salmon fishery in Russia, by regions and subregions, in number of units, 2000.

Region, subregion	Gears		Total
	Set (beach) seine	River seine	
Western Bering Sea	3	49	52
Eastern Kamchatka	231	120	351
Kuriles	117	18	135
The Sea of Okhotsk			
Western Kamchatka	7	84	91
Continental Coast	13	147	160
Sakhalin Coast	415	78	493
Amur Basin	30	1188	1218
The Sea of Japan			
Primor'e	13	158	171
Southwestern Sakhalin	3	8	11

Table 11

Salmon fry released from Russian hatcheries, in thousands of fish, 2001.

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Masu	Total
Eastern Kamchatka		8450.30		591.80			9042.10
Kuriles	98900.00	22921.00					121821.00
The Sea of Okhotsk							
Western Kamchatka			576.10		516.80		1092.90
Continental Coast	208.10	24405.20	140.00	972.50			25725.80
Sakhalin Coast	168650.00	151928.00		981.00		171.00	321730.00
Amur River Basin		9907.00					9907.00
The Sea of Japan							
Primor'e		14800.00				119.00	14919.00
Southwestern Sakhalin	2540.00	83578.00					86118.00
Total	270298.10	315989.50	716.10	2545.30	516.80	290.00	590355.80

Table 12

Average weights (kg) of salmon in commercial catches in Russia (Far East)
by species, region and subregion, 2000.

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook
Western Bering Sea	1.29	3.79	3.10		
Eastern Kamchatka	1.40	3.41	2.76	2.97	7.82
Kuriles	1.47	3.99	4.0	3.51	8.4
The Sea of Okhotsk					
Western Kamchatka	1.40	3.96	3.08	2.98	7.08
Continental coast	1.18	3.54	2.48	4.29	
Sakhalin coast	1.30	2.95			
Amur Basin	1.09	3.33			
The Sea of Japan					
Primor'e	1.46	5.00			
Southwestern Sakhalin	1.14	3.57			

Table 13

Sport catch of Pacific salmon in Russia (Far East) by species, and area, in numbers of fish, 2001.

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Total
Eastern Kamchatka	46950	50980	25710	11470	670	135780
Kuriles	99000					99000
The Sea of Okhotsk						
Western Kamchatka	2580	10890	34990	7020	1270	56750
Continental Coast	513946	79908	144	18061		612059
Sakhalin Coast	183400	15000				198400
Amur River Basin	4377	30132				34509
The Sea of Japan						
Primor'e	2031					2031
Southwestern Sakhalin	17800	700				18500
Total	870084	187610	60844	36551	1940	1157029

Table 14

Subsistence catch of Pacific salmon in Russia (Far East) by species, and area, in numbers of fish, 2001.

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Total
Western Bering Sea	18330	120053				138383
Eastern Kamchatka	33710	31810	32740	10010	1250	109520
Kuriles		500				500
The Sea of Okhotsk						
Western Kamchatka	1440	1440	2130	1630	40	6680
Continental Coast	165025	44534		3100		212659
Sakhalin Coast	169200	63900				233100
Amur River Basin		130722				130722
The Sea of Japan						
Primor'e						
Southwestern Sakhalin	400					400
Total	388105	392959	34870	14740	1290	831964

Table 15

Catch of Pacific salmon by foreign fishery fleet in far-eastern Russian exclusive economic zone by species, by region, in tonnes, 2001.

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Masu	Total
Eastern Kamchatka	63.00	2871.00	1868.00		57.00		4859.00
Southern Kuriles	116.00	3586.00	593.00	375.00	30.00		4700.00
Northern Kuriles	7.00	142.00	244.00	4.00	2.00		399.00
The Sea of Okhotsk							
Western Kamchatka							0.00
Sakhalin coast	74.00	1270.00	10.00	68.00	2.00		1424.00
The Sea of Japan							
Primor'e	137.00					2.00	139.00
Total	397.00	7869.00	2715.00	447.00	91.00	2.00	11521.00