

NOT TO BE CITED

Document status changed on March 7, 2011.
This document is now citable.

NPAFC
Doc. No. 283
Rev. No. 1

BIOSTATISTICAL INFORMATION ON SALMON CATCHES IN RUSSIA IN 1996

by

Ministry of Agriculture and Food of the Russian
Federation Department of Fisheries, 103031,
Moscow, Russia, Rozhdestvensky Blvd., 12

submitted to the

North Pacific Anadromous Fish Commission

by

Russia

September 1997

THIS PAPER MAY BE CITED IN THE FOLLOWING MANNER:

Ministry of Agriculture and Food of the Russian Federation Department of Fisheries. 1997.
Biostatistical information on salmon catches in Russia in 1996. NPAFC Doc. 283, Rev. 1.
15 pp. Ministry of Agriculture and Food of the Russian Federation Department of Fisheries,
103031, Moscow, Russia, Rozhdestvensky Blvd., 12 (Available at <http://www.npafc.org>)

Table 2

Commercial salmon catch in Russia (Far East) by species, region
and subregion, in thousands of fish, 1996.

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Total
Western Bering Sea	28,9	314,7	31,3			374,9
Eastern Kamchatka	8130,7	796,7	2541,4	338,8	47,9	11855,5
Kuriles	22314,4	496,7				22811,1
The Sea of Okhotsk						
Continental coast	4157,7	3772,2	11,1	61,3		8002,3
Western Kamchatka	27990,8	496,1	3659,6	233,7	17,5	32397,7
Sakhalin coast	13157,0	227,3				13384,3
Amur Basin	2080,1	202,6				2282,7
The Sea of Japan						
Primor'e	1574,3	15,1				1589,4
Southwestern Sakhalin	1626,2	156,4				1782,6
Total	81060,1	6477,9	6243,4	633,8	65,4	94480,6

Table 3/1

Commercial pink salmon catch in Russia (Far East)
by regions, subregions and month in tonnes, 1996.

Region, subregion	May	June	July	August	September	Total
Western Bering sea			31,8			31,8
Eastern Kamchatka		7,0	9933,5	240,2		10180,7
Kuriles			164,3	16714,1	12288,7	29167,1
The Sea of Okhotsk						
Western Kamchatka		0,1	6292,0	35567,74	2576,2	44436,0
Continental Coast			5432,0			5432,0
Sakhalin Coast		4,3	4803,6	10750,2	130,1	15688,2
Amur Basin		75,1	1733,5	22,0		1830,5
The Sea of Japan						
Primor'e		36,1	1604,5	13,0		1653,6
Southwestern Sakhalin		1070,7	539,3			1610,0

Table 4/1

Commercial chum salmon catch in Russia (Far East)
by regions, subregions and month in tonnes, 1996.

Region, subregion	June	July	August	September	October	November	Total
Western Bering sea			1070,0				1070,0
Eastern Kamchatka	69,6	657,7	1899,6	152,0			2778,9
Kuriles			87,7	972,7	603,6	112,0	1776,0
The Sea of Okhotsk							
Western Kamchatka	19,2	393,6	974,9	220,2			1607,9
Continental Coast		6545,0	8424,0	714,0			15683,0
Sakhalin Coast		328,4	256,8	139,7			724,9
Amur Basin		144,3	518,3	26,3			688,9
The Sea of Japan							
Primor'e				47,8	5,3		53,0
Southwestern Sakhalin			39,9	488,4	5,1		533,4

Table 5

Commercial sockeye salmon catch in Russia (Far East)
by regions, subregions and month in number of fish, 1996.

Region, subregion	June	July	August	September	Total
Western Bering sea		30612	681		31293
Eastern Kamchatka	1170500	1303100	67800		2541400
The Sea of Okhotsk					
Western Kamchatka	20700	2684200	954700		3659600
Continental Coast		11080			11080

Table 6

Commercial coho salmon catch in Russia (Far East)
by regions, subregions and month in number of fish, 1996.

Region, subregion	July	August	September	October	Total
Eastern Kamchatka	200	232800	105800		338800
The Sea of Okhotsk					
Western Kamchatka		55600	178100		233700
Continental Coast		61300			61300

Table 7

Commercial chinook salmon catch in Russia (Far East)
by regions, subregions and month in number of fish, 1996.

Region, subregion	June	July	August	September	Total
Eastern Kamchatka	33900	12900	1100		47900
The Sea of Okhotsk					
Western Kamchatka	11000	1900	1200	3400	17500

Commercial sockeye salmon catch in Russia (Far East)
by regions, subregions and month in tonnes, 1996.

Region, subregion	June	July	August	September	Total
Western Bering sea		120,0	2,7		
Eastern Kamchatka	3137,0	3638,5	185,9		6961,4
The Sea of Okhotsk					
Western Kamchatka	47,5	6741	2902,1		9690,7
Continental Coast		27,8			27,8

Table 6/1

Commercial coho salmon catch in Russia (Far East)
by regions, subregions and month in tonnes, 1996.

Region, subregion	June	July	August	September	October	Total
Eastern Kamchatka	0,04	0,5	698,4	350,2		1049,1
The Sea of Okhotsk						
Western Kamchatka			356,6	288,7		645,3
Continental Coast			254,9			254,9

Table 7/1

Commercial chinook salmon catch in Russia (Far East)
by regions, subregions and month in tonnes, 1996.

Region, subregion	June	July	August	September	Total
Eastern Kamchatka	242,4	137,8	9,2		389,4
The Sea of Okhotsk					
Western Kamchatka	68,8	39,2	9,2	27,0	144,2

Table 8

Escapement of adult pacific salmon to spawning areas in Russia, by species, region and subregion in thousands of fishes, 1996

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Total
Western Bering sea		4000,0	230,0			4230,0
Eastern Kamchatka	7279,8	1003,5	1758,5	250,0	52,3	10344,1
Kuriles	3009,4	187,0				3196,4
The Sea of Okhotsk						
Western Kamchatka	47490,0	708,5	2254,3	300,0	39,6	50792,4
Continental Coast	5670,0	6650,1				12320,1
Sakhalin Coast	14415,7	47850,0				62265,7
Amur Basin	11035,1	2803,9				13839,0
The Sea of Japan						
Primor'e	365,0	16000,0				16365,0
Southwestern Sakhalin	2963,8					2963,8
Total	96228,8	79203,0	4242,8	550,0	91,9	180316,5

Table 9

Number of outmigrants of pacific salmon from Russian rivers in 1996, in thousands of fish.

Region, subregion, river	Pink	Chum	Sockeye	Coho	Chinook	Masu
1	2	3	4	5	6	7
Western Bering Sea						
R.Anadyr	no data	no data	no data			
Eastern Kamchatka						
R.Kamchatka basin						
R.Kamchatka	7864	12337	39304	1409	361	
L.Ushki		93				
R.Nikolka			3407	1251		
R.Zhupanovka		506	229	151	128	
R.Avacha	21003	4147	145	416	106	
R.Zhirovaja	3586	350		4		
South Kuril						
R.Olya	6548	144				
R.Rybatskaja	9198	1665				
R.Iushina	6657	4077				
The Sea of Okhotsk						
Western Kamchatka						
R.Bolshaja basin						
R.Bystraja		3291	1599	2829	5224	
R.Kluchevka		30	38	34	111	
R.Krutogorova	7	8		74	2	
R.Kihchik	269	4390	38	751	215	
R.Icha	417	818	704			
Continental coast	12000	53800				
R.Amur basin						
R.Amur	68002	201450				
R.Amgun	32500	28000				
r.Anui		23400				
R.UI	180	60500				
Amur mouth region						
R.Isky	16802	4491				
R.My	6880	4690				

Continuation of table 9

1	2	3	4	5	6	7
Sakhalin coast						
R.Big Langry	2190	2980				
R.Bakhura	11100					
R.Tym		24400				
R.Poronaj basin						
Cr.Berezovyi	12933					
R.Ljutoga	494630					
R.Dudinka	1015					
R.Melkaja	23074					
R.Kura	18754					
The Sea of Japan						
South Western Sakhalin						
R.Big Uandi	170					
R.Pokosnaja	19090					
Primor'e						
R.Ulika	2900					
R.Barabashevka		400				
R.Avvakumovka		6200				

Table 10

Quantity of different gears on pacific salmon fishery in Russia, by regions and subregions, in specimen, 1996.

Région, subregion	Gears		Total
	Set (beach) seine	River seine	
Western Bering sea	5	2	7
Eastern Kamchatka	10	58	68
Kuriles	111	10	121
The Sea of Okhotsk			
Western Kamchatka	45	78	123
Continental Coast	23	115	138
Sakhalin Coast	210	37	247
Amur Basin	5	0	5
The Sea of Japan			
Primor'e	18	30	48
Southwestern Sakhalin	8	3	11

Table 11

Salmon fry released from Russian hatcheries, in thousands of fish, 1996.

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Masu	Total
Eastern Kamchatka		12002,6		331,3			12333,9
Kuriles	69200,0	28100,0					97300,0
The Sea of Okhotsk							
Western Kamchatka	1582,6	1663,5	2393,8		530,9		6170,8
Continental Coast	3486,8	33614,0	6,9	632,6			37740,3
Sakhalin Coast	231800,0	129720,0		6830,0		480,0	368830,0
Amur River Basin		13300,0					13300,0
The Sea of Japan							
Primor'e		16400,0					16400,0
Southwestern Sakhalin	4600,0	69900,0					74500,0
Total	310669,4	304700,1	2400,7	7793,9	530,9	480,0	626575,0

Table 2

Average weights (kg) of salmon in commercial catches in Russia (Far East)
by species, region and subregion, 1996.

Region,subregion	Pink	Chum	Sockeye	Coho	Chinook
Western Bering Sea	1,10	3,40	3,92		
Eastern Kamchatka	1,25	3,49	2,74	3,10	8,13
Kuriles	1,31	3,58			
The Sea of Okhotsk					
Continental coast	1,31	4,16	2,51	4,16	
Western Kamchatka	1,59	3,24	2,65	2,76	8,29
Sakhalin coast	1,19	3,19			
Amur Basin	0,88	3,40			
The Sea of Japan					
Primor'e	1,05	3,50			
Southwestern Sakhalin	0,99	3,41			

Table 13

**Sport catch of Pacific salmon in Russia (Far East) by species, and area,
in numbers of fish, 1996.**

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Total
Western Bering Sea		39415				39415
Eastern Kamchatka	69599	101270	11402	5303	3408	190982
Kuriles	56664					56664
The Sea of Okhotsk						
Western Kamchatka	4489	4889	1389	272	380	11419
Continental Coast			no data			
Sakhalin Coast	135830	7425				143255
Amur River Basin	29067	73968	120	1268		104423
The Sea of Japan						
Primor'e	4381	2943				7324
Southwestern Sakhalin	36100					36100
Total	336130	229910	12911	6843	3788	589582

Table 14

**Subsistence catch of Pacific salmon in Russia (Far East) by species, and area,
in numbers of fish, 1996.**

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Total
Western Bering Sea	909	93824	12934			107667
Eastern Kamchatka	487288	57991	76911	6387	2315	630892
The Sea of Okhotsk						
Western Kamchatka	388175	101194	30826	48286	2921	571402
Continental Coast			no data			
Sakhalin Coast	220900	36600				257500
Amur River Basin	57321	173892				231213
The Sea of Japan						0
Primor'e	7909	429				8338
Total	1162502	463930	120671	54673	5236	1807012

Table 15

Catch of Pacific salmon by foreign fishery fleet in far-eastern Russian exclusive economic zone by species, by region, in tonnes, 1996.

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Masu	Total
Eastern Kamchatka	42,6	2267,8	3093,3	0,0	74,2		5477,9
Southern Kuriles	418,6	4555,5	1132,0	596,9	56,3		6759,3
Northern Kuriles	95,8	711,2	675,4	7,7	6,3		1496,4
The Sea of Okhotsk							
Western Kamchatka	91,3	2628,4	730,0	16,3	9,0		3475,0
Continental coast							0
Sakhalin coast	73,1	4546,9	13,7	7,2	12,7		4663,6
The Sea of Japan							
Primor'e	178,9					1,1	180,0
Total	900,3	14709,8	5644,4	628,1	158,5	1,1	22042,2

Catch of Pacific salmon by foreign fishery fleet in far-eastern Russian exclusive economic zone by species, by region, in thousands of fish, 1996.

Region, subregion	Pink	Chum	Sockeye	Coho	Chinook	Masu	Total
Eastern Kamchatka	30,3	739,6	968,8		15,1		1753,8
Southern Kuriles	279,9	1888,9	400,1	229,5	9,6		2808,0
Northern Kuriles	59,2	273,0	231,8	2,9	1,3		568,2
The Sea of Okhotsk							
Western Kamchatka	55,9	936,6	253,6	6,1	1,7		1263,9
Continental coast							
Sakhalin coast	46,7	1808,2	4,9	2,5	1,7		1864,0
The Sea of Japan							
Primor'e	160,1					0,8	160,9
Total	632,1	5646,3	1859,2	241,0	29,4	0,8	8408,8