

Density of spawning fish at spawning grounds – chum, %

Prostor Bay

Item	Name of body of water	Spawning area, sq. meters	Standard density, fish	Density, %					
				2005		2006		2007	
				nr. of fish	%%	nr. of fish	%%	nr. of fish	%%
1	Olya River	650*	1040						
2	Reydovaya	6400	10240	17408	170	12493	122	19968	195
	Argunj	4600	7360	1177.6	16	2723	37	6918	94
	Krokhalinyy	3900	6240	6676.8	107	6552	105	7488	120
3	Sopochnoe	26500	42400	41976	99	27094	63.9	43248	102
4	Slavnaya River	11000**	17600	14432	82	no data		no data	

Kuriljskiy Bay

1	Kurilka	11500	18400	6440	35	11408	62	17664	96
	Lebedinoe Lake	6750	10800	734	6.8	907	8.4	3888	36
	Kuriljskiy Creek	2000	3200	3936	123	3136	98	4384	137
2	Rybatskaya	3600	5760	1901	33	2696	46.8	7834	136

* - Olya River. The chum salmon spawning area is only 650 sq. meters. During the annual spawning period 800 - 1500 chum salmon spawners are observed arriving. In spite of the nearness to the Reydovaya River, where there is an abundant artificial stock of chum salmon, no impact is made upon the stock in the Olya River.

** - Slavnaya River. Due to the later time frame of the mass chum run into the river during the period 30OCT through 20NOV, as well as the incidence of storms during this period, the chum are not fished, and no regulation of the numbers of fish arriving at the fishing grounds to spawn attempted. Due to the great distance to the river and the complexities of transportation, observation of the spawning migration of the chum is not done on an annual basis.

Density of spawning fish at spawning grounds – pink

Prostor Bay

Item	Name of body of water	Spawning area, sq. meters	Standard density, fish	Density, %					
				2005		2006		2007	
				nr. of fish	%%	nr. of fish	%%	nr. of fish	%%
1	Aktivnyy	6000	12000	12000	100	15360	128	9120	76
2	Glushj*								
3	Slavnaya	185000	370000	410700	111	407000	110	414400	112
4	Doljnnyy	3500	7000	8960	128	10150	145	7070	101
5	Privoljnnyy Creek**								
6	Chistaya	11500	11500	14260	124	17135	149	12995	113
7	Sofjya	2000	4000	6000	150	5748	143.7	5040	126
8	Skaljnnyy	8000	16000	28800	180	25600	160	25440	159
9	Senokosnyy	1200	2400	3600	150	3264	136	3480	145
10	Sopochnoe	11000	22000	23980	109	32560	148	27720	126
11	Belyy	3000	6000	no data		no data		no data	
12	Reydovaya	15400	30800	56980	185	50820	165	44660	145
	Argunj	6800	13600	11995.2	88.2	17000	125	14552	107
	Krokhalinyy	6900	6900	8280	120	7866	114	8970	130
13	Ulobnyy	1200	1200	no data		1428	119	no data	
14	Olya	17500	35000	57750	165	51800	148	51800	148

In addition, there are 22 other streams that flow into Prostor Bay that do not have significance for spawning.

Kuriljskiy Bay

1	Rybatskaya	12000	24000	38400	160	36480	152	37200	155
2	Kurilka River	74000	148000	186480	126	171680	116	165760	112
	Lorka River	12000	24000	31200	130	18288	76.2	17400	72.5
	Kuriljskiy Creek	11000	11000	13750	125	7810	71	14960	136
3	Podoshevka***	4000	8000	no data		no data		no data	

In addition, there are 11 other streams that flow into Kuriljskiy Bay that do not have significance for spawning.

*- Glushj River. Up until 1994, the spawning grounds were - 21,000 sq.meters for pinks. During the earthquake of 1994, a mudflow occurred in the upper reaches that covered up the spawning grounds. Spawning became possible only in the tributaries. The available spawning area is now 3.000 sq. meters. However, due to the mountain sand and pumice that was washed down, the channel is subject to continuous silting over. The fish have difficulty making it to the spawning areas, and only individual fish can enter the river when the water level is at its highest. The situation has not improved during the period 1994 – 2007.

**- Privoljniy Creek. There is a waterfall located 20 meters from the mouth 3 meters high that is insurmountable for the salmon entering the river. Spawning can occur only within an area of 40-50 sq.meters in the river mouth. The annual density is 180-220 %. Numbers are not regulated.

*** - since the Podoshevka River is located immediately adjacent to a populated area, the possibility exists for constant (daily) observation of the movement of the spawners, without registering spawner density data, all matters are addressed based on verbal reports. The annual density in the river is no less than 105 %.