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Fish productivity of the Amur River fresh waters and adjacent rivers



Биоразнообразие рыб пресных вод реки Амур и сопредельных территорий

ABSTRACTS

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17. The technological rationing as method of saving Amur sturgeon fishes

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There are three species from family sturgeon (Great Siberian sturgeon, Amur sturgeon and Sakhalin sturgeon) in reservoirs of the Russian Far East region. The last one is a endangered specie.

The sturgeon catch in a river basin Amur was finished at 1956. The 33 years later the control sturgeon catch was renewed (1991), both in a channel, and in estuary of the river Amur.

The works of the biomonitoring problems was decided during realization of control catch. After that the part of a raw fish and roe is prepared for industrial processing and the further export, in particular caviar production. Calculation of an output of final product is made of rates of the charge of raw material, including export. At the same time in branch there were no rates of the charge of raw material at production from the Amur sturgeon fishes as there was no craft. It was necessary to develop normative base for bodies CITES by calculation of export quotas of food production from sturgeon fishes of the Amur pool. Such work was begun in 2000 by realization of the appropriate skilled - examinations.

The results of the researches became were scientific - practical base for development of projects of individual rates of the charge of raw material at production from the Amur sturgeon fishes on the basis of whom bodies CITES export quotas on food production pay off.

18. Distribution and reproduction of char, taimen and grayling in the Primorie rivers.

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Ichthyofauna of Primorskii District Rivers, which enter Sea of Japan, is presented by different Salmonid species. Besides Pacific salmon, there are many semi-anadromous salmon: Dolly Varden, white-spotted char and Sakhalin taimen, distributed in rivers of this region. Fresh water fish ichthyofauna consist of riverine malma (*S. curilus*), lenok (Br. lenok) and Amur River grayling. Distribution of this species and information on their populations is presented in the table. We note, that some this data need additional information because of weak knowledge about current status of many fish populations within Primorskii District.

DISTRIBUTION AND HEALTH OF CHAR, TAIMEN AND GRAYLING POPULATIONS

River names	River length, km	Anadromous malma	Riverine malma	White spotted char	Sakhalin taimen	Lenok	Grayling
<i>Northern portion of the Tatarskii Strait (Sea of Japan) mainland</i>							
1	Zholtaia	+	?	+	+	-	-
2	Samarga	+	?	+	+	+	+
3	Edinka	+	?	+	+	+	+
4	Venukovka	+	?	+	+	+	-
5	Kabania	+	?	+	+	?	-
6	Peia	+	?	+	+	?	-
7	Svetlaia	+	?	+	+?	?	-
8	Burlivaia	+?	?	+	+?	?	-
9	Kuznetzova	+?	?	+	+?	?	-
10	Sobolevka	+?	?	+	+?	?	-
11	Maximovka	+?	?	+	+?	+	+
12	Amgu	+?	?	+	+?	?	-
13	Peschernaiia	-	?	+	-	?	-
14	Kema	+?	?	+	+?	+	-
15	Taiezhnaia	+?	?	+	+?	+	-
16	Serebrianka	+?	?	+	+?	+	-
17	Dzhitovka	+?	?	+?	+?	?	-
18	Lidovka	-	?	+?	-	?	-
19	Rudnaia	(+)	?	+?	+?	+	-
20	Zerkalnaia	+?	+	+?	+?	+	-
21	Brusilovka	-	?	+?	-	?	-
22	Tumanovka	-	+	+?	-	?	-
<i>Southern portion of the Tatarskii Strait (Sea of Japan) mainland</i>							
23	Avvakumovka	(+)	+	+?	+?	+?	-
24	Margaritovka	(+)	+	+?	(+)	?	-
25	Milogradovka	-	+	+?	(+)	?	-
26	Chernaia	-	+	+?	(+)	?	-
27	Kievka	-	+	+?	+?	+	+
<i>Rivers of the Peter the Great Gulf</i>							
28	Partizanskaia	-	+	+?	(+)	+?	-
29	Litovka	-	+	+?	-	+?	-
30	Sukhodol	-	+	+?	-	+?	-
31	Shkotovka	-	+	+?	-	+?	-
32	Artemovka	-	+	+?	-	+?	-
33	Razdolnaia	-	+	+?	-	+	-
34	Amba	-	+	+?	-	+	-
35	Barabashevka	-	+	+?	-	+?	-
36	Narva	*	+	+?	-	+?	-
37	Brusiya	-	?	+?	-	-	-
38	Poima	-	+	+?	-	+?	-
39	Riazanovka	-	+	+?	-	-	-
40	Gledkaia	-	+	?	-	-	-
41	Tsukanovka	-	?	?	-	-	-
42	Tesnaia	-	?	?	-	-	-

- species is absent;

+ fish populations with good health;

+? fish populations with bad health;

(+) extinct fish populations;

? no data yet;

* two individuals of anadromous S. malma were landed from the Narva River and Narva Bay in 1980-s.