

**The plan of salmon for the brood year 2006 marking at the hatcheries of the Far East of
Russia**

by

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The plan of salmon for the brood year 2006 marking at the hatcheries of the Far East of Russia

In Russia the identification of the thermally marked salmon when they come together in one area is carried out, first of all, for the purpose of evaluating the efficiency of salmon hatchery according to the number of returning fish. Besides, the data showing the proportion of hatchery born and wild salmon during the anadromous, catadromous migrations and fattening during the sea period of life, allows us to consider how much different hatcheries influence the condition of wild salmon populations. Tracking the dynamics of such proportion is important, since it will allow us to effectively respond in case of an adverse genetic situation.

In 2006 marking Pacific salmon in Russia is supposed to be carried out at 10 hatcheries - in the Magadan region, in Kamchatka and in the Khabarovsk region. For marking 11 mark patterns will be used. Salmon raised in the Kamchatka hatchery will be coded in the first mark block which consists of 3 rings. Marks with 4 to 8 rings will be used for marking salmon from the Magadan hatchery.

We intend to mark chum salmon, chinook salmon, red salmon and coho at the Kamchatka hatcheries. At Magadan hatcheries - chum salmon and coho. Chum salmon and masu will be marked in the Khabarovsk region. Almost all marks on the otoliths will be dry marking method. Thermal marking will be applied at the Malkinsky hatchery (Kamchatka) only.

Table 1 shows the list of the otolith marks, which are supposed to be used while marking salmon of the brood year 2006.

The description of the marks is shown as the RBr-code (Munk and Geiger 1998) and the Hatchcode (Hagen 1999).

Table1.Plan marks from Russia for 2006 brood year stocks of salmon

Mark Type	BROOD YEAR	YEAR OF RELEASE	SPECIES	COUNTRY	STATE/ PROVINCE	AGENCY	FACILITY	RBr	HATCH CODE	GRAPHIC IMAGE	
										PREHATCH	POSTHATCH
2	3	4	5	6	7	8	9	10	11	12	13
DM	2006	2007	CHUM	Russia	Magadan	Okhotskrybvod	Armanskiy Hatchery	1:1.4	7H	IIIIIII	
DM	2006	2007	CHUM	Russia	Magadan	Okhotskrybvod	Olskiy Hatchery	1:1.5	5H	IIIII	
DM	2006	2007	CHUM	Russia	Magadan	Okhotskrybvod	Tauyskiy Hatchery	1:1.6	6H	IIIIII	
DM	2006	2007	CHUM	Russia	Magadan	Okhotskrybvod	Yanskiy Hatchery	1:1.6n	6nH	IIIII	
DM	2006	2007	CHUM	Russia	Magadan	MagadanNIRO	Olskiy Hatchery	1:1.6	6H	IIIIII	
DM	2006	2007	CHUM	Russia	Khabarovsk	OOOKometa	Kometa	1:8n	8nH	IIIIIII	
DM	2006	2007	COHO	Russia	Magadan	Okhotskrybvod	Armanskiy Hatchery	1:1.7	7H	IIIIIII	
DM	2006	2007	COHO	Russia	Magadan	Okhotskrybvod	Olskiy Hatchery	1:1.5	5H	IIIII	
DM	2006	2007	COHO	Russia	Magadan	Okhotskrybvod	Tauyskiy Hatchery	1:1.6	6H	IIIIII	
DM	2006	2007	COHO	Russia	Magadan	Okhotskrybvod	Yanskiy Hatchery	1:1.6n	6nH	IIIII	
DM	2006	2007	MASU	Russia	Khabarovsk	OOOKometa	Kometa	1:1.4,2.2	4,2H	IIII II	
DM	2006	2007	CHUM	Russia	Kamchatka	Sevostribyvod	Ozerkovsky Hatchery	1:1.3,2.1,3.3	3,1,3H	III IIII	
DM	2006	2007	CHUM	Russia	Kamchatka	Sevostribyvod	Ketkiy Hatchery	1:1.3,2.2	3,2H	III II	
DM	2006	2007	CHUM	Russia	Kamchatka	Sevostribyvod	Paratunsky Hatchery	1:1.3	3H	III	
DM	2006	2007	CHUM	Russia	Kamchatka	Sevostribyvod	Viluykiy Hatchery	1:1.3,2.2,3.1	3,2,1H	III III I	
DM	2006	2007	COHO	Russia	Kamchatka	Sevostribyvod	Viluykiy Hatchery	1:1.3,2.2,3.1	3,2,1H	III III I	
DM	2006	2007	SOCKEYE	Russia	Kamchatka	Sevostribyvod	Ozerkovsky Hatchery	1:1.3,2.1,3.2	3,1,2H	III III	
TM	2006	2007	SOCKEYE	Russia	Kamchatka	Sevostribyvod	Malkinskiy Hatchery	1:1.3,2.2	3,2H	III II	
TM	2006	2007	CHINOOK	Russia	Kamchatka	Sevostribyvod	Malkinskiy Hatchery	2:1.3,2.2	H3,2		III II

