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***Proposed Thermal Marks for Brood Year 2001
Salmon in Alaska***

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Abstract

In Alaska, mass marking of salmon using otolith thermal marking is proving to be an effective research and management tool in a variety of situations. However rearing constraints in the hatcheries as well as limitations on the ability to heat or chill water, creates difficulties in assigning unique marks to each release group. Furthermore these conditions may change each year making it difficult to ensure that the assigned mark will actually be produced and that a hatchery will follow their planned release strategies. Nonetheless for the purpose of avoiding conflicting marks it is important to document as well as possible the patterns that are intended to be applied. This report provides this data for Alaska thermal mark releases.

Proposed marks

Table 1 contains a list of proposed marks that are likely to be applied to brood year 2001 release groups. This year it is anticipated that 66 marking groups will be released by 16 facilities. Most of these are well established programs and in those cases the mark will be similar to those applied to brood year 2000 salmon and the release numbers will be similar. New marking programs on coho and chinook salmon will be started at Elmendorf and Fort Rich hatcheries in the Southcentral region. The purpose of these programs will be to monitor hatchery contributions to recreational fisheries in Cook Inlet and Resurrection Bay near Seward.

Table 1. Summary of thermal mark codes that may be applied to Alaska hatchery salmon in brood year 2001.

NO	TYPE	BROOD YEAR	YEAR OF RELEASE	SPECIES	REGION	AGENCY	FACILITY	STOCK	FINAL RELEASE SITE	STAGE	RBI CODE	HATCH CODE	PREHATCH GRAPHIC IMAGE	POSTHATCH GRAPHIC IMAGE	PRELIMINARY NUMBER OF OM RELEASED	COMMENTS
AK01-1	TM	2001	2003	CHINOOK	SOUTHEAST	DFAC	Castneau		Castneau		2,1,4	H4			600,000	Not verified
AK01-2	TM	2001	2003	CHINOOK	SOUTHEAST	NSRAA	Metwajle		Bear Cove (Green Lake)		1,1,4,2,3	4,3H				Not verified
AK01-3	TM	2001	2003	CHINOOK	SOUTHEAST	NSRAA	Metwajle		Bear Cove (Green Lake)		1,1,3,3,3	3,3H				Not verified
AK01-4	TM	2001	2003	CHINOOK	SOUTHEAST	NSRAA	Hidden Falls CF		Kasnyku Bay		1,1,4,2,2	4,2H				Not verified
AK01-5	TM	2001	2002	CHINOOK	SOUTHCENTRAL	ADFG	Emirdorf		Kacemak Bay		1,1,2,5,3,3	2,5H3			315,000	Not verified
AK01-6	TM	2001	2002	CHINOOK	SOUTHCENTRAL	ADFG	Emirdorf		Eulana Tallace		1,1,2,2,4,3,3	2,4H3			105,000	Not verified
AK01-7	TM	2001	2002	CHINOOK	SOUTHCENTRAL	ADFG	Emirdorf		Ship Creek		1,1,2,2,4,3,4	2,4H4			315,000	Not verified
AK01-8	TM	2001	2002	CHINOOK	SOUTHCENTRAL	ADFG	Emirdorf		Crooked Creek		1,1,2,2,4,3,5	2,4H5			105,000	Not verified
AK01-9	TM	2001	2002	CHINOOK	SOUTHCENTRAL	ADFG	Emirdorf		Recession Bay		1,1,2,2,3,4,3,3	2,3H3			210,000	Not verified
AK01-10	TM	2001	2002	CHINOOK	SOUTHCENTRAL	ADFG	Fort Rich		Decapion Creek		1,1,2,2,3	2,3H			200,000	Not verified
AK01-11	TM	2001	2002	CHINOOK	SOUTHCENTRAL	ADFG	Fort Rich		Nenlchik River		1,1,2,2,5	2,5H			50,000	Not verified
AK01-12	TM	2001	2002	CHINOOK	SOUTHCENTRAL	ADFG	Fort Rich		Prince William Sound		1,1,2,2,4	2,4H			40,000,000	Not verified
AK01-13	TM	2001	2002	CHULM	SOUTHEAST	DFAC	Castneau		Amelga Harbor		1,1,4	4H			40,000,000	Not verified
AK01-14	TM	2001	2002	CHULM	SOUTHEAST	DFAC	Castneau		Castneau		1,1,4,2,3	4H3			37,000,000	Not verified
AK01-15	TM	2001	2002	CHULM	SOUTHEAST	DFAC	Castneau		Boat Harbor		1,1,4,2,4	4H4			15,000,000	Not verified
AK01-16	TM	2001	2002	CHULM	SOUTHEAST	DFAC	Castneau		Limestone Harbor		1,1,4,2,5	4H5			15,000,000	Not verified
AK01-17	TM	2001	2002	CHULM	SOUTHEAST	DFAC	Castneau		Amelga Harbor		1,1,4,2,6	4H6			8,000,000	Not verified
AK01-18	TM	2001	2002	CHULM	SOUTHEAST	NSRAA	Hidden Falls CF		Kasnyku Bay		1,1,3,2,3	3,3H			38,000,000	Not verified
AK01-19	TM	2001	2002	CHULM	SOUTHEAST	NSRAA	Hidden Falls CF		Takatz Bay		1,1,3,2,3	3,2H			42,000,000	Not verified
AK01-20	TM	2001	2002	CHULM	SOUTHEAST	NSRAA	Hidden Falls CF		Deep Inlet		1,1,4,2,3	4,3H			14,000,000	Not verified
AK01-21	TM	2001	2002	CHULM	SOUTHCENTRAL	PWSAC	Wally H. Noerberg Hatchery		Port Chalmers		1,1,3	3H				Not verified
AK01-22	TM	2001	2002	CHULM	SOUTHCENTRAL	PWSAC	Wally H. Noerberg Hatchery		Wally H. Noerberg Hatchery		1,1,5,2,2	5,2H				Not verified
AK01-23	TM	2001	2003	COHO	SOUTHEAST	Arnstong/KatsPort	Arnstong		Port Arnstong		1,1,5	5H				Not verified
AK01-24	TM	2001	2003	COHO	SOUTHCENTRAL	CAA	Trail Lakes		Bear Lake		1,1,3,2,3	3,3H			450,000	Not verified
AK01-25	TM	2001	2003	COHO	SOUTHCENTRAL	CAA	Trail Lakes		Bear Lake		1,1,3,2,4	3,4H			150,000	Not verified
AK01-26	TM	2001	2003	COHO	SOUTHEAST	DFAC	Castneau		Castneau		1,1,4	4H			800,000	Not verified
AK01-27	TM	2001	2003	COHO	SOUTHEAST	NSRAA	Metwajle		Deer Lake		1,1,4,2,2	4,2H				Not verified
AK01-28	TM	2001	2003	COHO	SOUTHCENTRAL	PWSAC	Wally H. Noerberg Hatchery		Wally H. Noerberg Hatchery		1,1,3	3H				Not verified
AK01-29	TM	2001	2003	COHO	SOUTHCENTRAL	VFDA	Solomon Gulch Hatchery		Solomon Gulch Hatchery		1,1,3	3H				Not verified
AK01-30	TM	2001	2003	COHO	SOUTHCENTRAL	ADFG	Fort Rich		?		1,1,6	6H				Not verified
AK01-31	TM	2001	2002	PINK	SOUTHEAST	Arnstong/KatsPort	Arnstong		Port Arnstong		1,1,3	3H				Not verified
AK01-32	TM	2001	2002	PINK	SOUTHEAST	Arnstong/KatsPort	Arnstong		Port Arnstong		1,1,3,2,3	3H3				Not verified
AK01-33	TM	2001	2002	PINK	SOUTHEAST	Arnstong/KatsPort	Arnstong		Port Arnstong		1,1,3,2,4	3H4				Not verified
AK01-34	TM	2001	2002	PINK	SOUTHEAST	DFAC	Castneau		Castneau		1,1,4	4H			1,500,000	Not verified
AK01-35	TM	2001	2002	PINK	SOUTHCENTRAL	Port Graham	Port Graham		Port Graham		1,1,4,2,2	4,2H				Not verified
AK01-36	TM	2001	2002	PINK	SOUTHCENTRAL	PWSAC	Canney Creek Hatchery		Canney Creek Hatchery		1,1,3,2,3	3,3H3				Not verified
AK01-37	TM	2001	2002	PINK	SOUTHCENTRAL	PWSAC	Canney Creek Hatchery		Canney Creek Hatchery		1,1,3,2,3,3,3	3,3H3				Not verified
AK01-38	TM	2001	2002	PINK	SOUTHCENTRAL	PWSAC	Canney Creek Hatchery		Canney Creek Hatchery		1,1,3,2,3,4,3,4	3,3H4				Not verified
AK01-39	TM	2001	2002	PINK	SOUTHCENTRAL	PWSAC	Armin F. Koering Hatchery		Armin F. Koering Hatchery		1,1,4	4H				Not verified
AK01-40	TM	2001	2002	PINK	SOUTHCENTRAL	PWSAC	Armin F. Koering Hatchery		Armin F. Koering Hatchery		1,1,4,2,3	4H3				Not verified
AK01-41	TM	2001	2002	PINK	SOUTHCENTRAL	PWSAC	Armin F. Koering Hatchery		Armin F. Koering Hatchery		1,1,4,2,4	4H4				Not verified
AK01-42	TM	2001	2002	PINK	SOUTHCENTRAL	PWSAC	Wally H. Noerberg Hatchery		Wally H. Noerberg Hatchery		1,1,8	8H				Not verified
AK01-43	TM	2001	2002	PINK	SOUTHCENTRAL	PWSAC	Wally H. Noerberg Hatchery		Wally H. Noerberg Hatchery		1,1,8,2,3	8H3				Not verified
AK01-44	TM	2001	2002	PINK	SOUTHCENTRAL	PWSAC	Wally H. Noerberg Hatchery		Wally H. Noerberg Hatchery		1,1,8,2,4	8H4				Not verified
AK01-45	TM	2001	2002	PINK	SOUTHCENTRAL	VFDA	Solomon Gulch Hatchery		Solomon Gulch Hatchery		1,1,6	6H				Not verified
AK01-46	TM	2001	2002	SOO/EVE	SOUTHCENTRAL	CAA	Trail Lakes		Trail Lakes		1,1,3,2,2	3,2H			1,500,000	Not verified
AK01-47	TM	2001	2002	SOO/EVE	SOUTHCENTRAL	CAA	Trail Lakes		Hidden L.		1,1,4,2,2	4,2H				Not verified
AK01-48	TM	2001	2002	SOO/EVE	SOUTHCENTRAL	CAA	Trail Lakes		Bear L.		1,1,6	6H			1,000,000	Not verified
AK01-49	TM	2001	2002	SOO/EVE	SOUTHCENTRAL	CAA	Trail Lakes		Bear L.		1,1,3,2,3	6,3H			700,000	Not verified
AK01-50	TM	2001	2002	SOO/EVE	SOUTHCENTRAL	CAA	Trail Lakes		Tlustumna		2,1,3,2,3	H3,3			6,000,000	Not verified
AK01-51	TM	2001	2003	SOO/EVE	SOUTHEAST	DFAC	Snettisham CF		Speel Arm		1,1,3,2,3	3,3H				Not verified
AK01-52	TM	2001	2003	SOO/EVE	SOUTHEAST	DFAC	Snettisham CF		Speel Arm		1,1,3,2,3,4n	3,4H4				Not verified
AK01-53	TM	2001	2003	SOO/EVE	SOUTHEAST	DFAC	Snettisham CF		Speel Arm		1,1,4,2,3n	4,2H4				Not verified
AK01-54	TM	2001	2003	SOO/EVE	SOUTHEAST	DFAC	Snettisham CF		Speel Arm		1,1,4,2,4	4,4H				Not verified
AK01-55	TM	2001	2002	SOO/EVE	SOUTHEAST	DFAC	Snettisham CF		Speel Arm		1,1,5,2,3n	5,2H4				Not verified
AK01-56	TM	2001	2002	SOO/EVE	SOUTHEAST	DFAC	Snettisham CF		Chilial Lake		1,1,5,2,4n	5,4H4				Not verified
AK01-57	TM	2001	2002	SOO/EVE	SOUTHEAST	DFAC	Snettisham CF		U. Tatesman Lake (CJF)		2,1,5,2,3	H5,3				Not verified
AK01-58	TM	2002	2002	SOO/EVE	SOUTHEAST	DFAC	Snettisham CF		U. Tatesman Lake (CJF)		2,1,5	H5				Not verified
AK01-59	TM	2001	2002	SOO/EVE	SOUTHEAST	DFAC	Snettisham CF		(Canada) Tuya Lake (Canada)		2,1,4	H4				Not verified
AK01-60	TM	2001	2002	SOO/EVE	SOUTHEAST	DFAC	Snettisham CF		(Canada) Tustina Lake (Canada)		2,1,7	H7				Not verified
AK01-61	TM	2001	2002	SOO/EVE	SOUTHCENTRAL	Port Graham	Klawock		English Bay Lake		1,1,5,2,2	5,2H				Not verified
AK01-62	TM	2001	2002	SOO/EVE	SOUTHCENTRAL	Port Graham	Klawock		English Bay Lake		1,1,3,3,2	3,2H				Not verified
AK01-63	TM	2001	2002	SOO/EVE	SOUTHCENTRAL	PWSAC	Main Bay Hatchery		Main Bay		1,1,3,2,2,3,2	3,2H2				Not verified
AK01-64	TM	2001	2002	SOO/EVE	SOUTHEAST	SSRAA	Bruntt Inlet		Neck Creek		1,1,2,2,5n	2,5n				Not verified
AK01-65	TM	2001	2002	SOO/EVE	SOUTHEAST	SSRAA	Bruntt Inlet		High Smith		1,1,2,2,3n,3,2	2,3n,2H				Not verified
AK01-66	TM	2001	2002	SOO/EVE	SOUTHEAST	SSRAA	Bruntt Inlet		High Smith		1,1,2,2,3n,3,3	2,3n,3H				Not verified