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## **Proposed Thermal Marks for Brood Year 2018 Salmon in Alaska**

by

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## **Abstract**

In Alaska, mass-marking of salmon using otolith thermal marking is an effective research and management tool applicable to a variety of situations. For brood year 2018, approximately 62 million sockeye, 940 million pink salmon, 710 million chum, 9 million Coho, and 9 million Chinook salmon will be marked at 26 different hatcheries using 107 thermal marks, four dry marks, and one strontium mark.

## **Introduction**

In Alaska, thermal marking is used to provide information about the contribution of hatchery fish, primarily pink, chum and sockeye salmon, to commercial and cost-recovery fisheries during the summer fishing season. Because most fisheries are managed on the basis of wild stocks, fishery managers subtract the estimated hatchery catch from total catch and use that information to structure the fisheries. Hatchery operators are most interested in their own production and use thermal marking to estimate how their fish contribute to traditional fisheries and to terminal harvests. In addition, thermal marks are being used to determine the origin of juvenile and immature salmon collected during surveys in the Gulf of Alaska by the National Marine Fisheries Service and as part of the Bering Sea and Aleutian Island Salmon Investigative Study (BASIS) program.

## **Plan for 2018 brood year stocks**

The proposed thermal marks for brood year 2018 salmon are listed in Table 1. We plan to mark approximately 62 million sockeye, 940 million pink salmon, 710 million chum, 9 million Coho, and 9 million Chinook salmon will be marked at 26 different hatcheries using 107 thermal marks, four dry marks, and one strontium mark.

The proposed otolith plan includes scheduled changes. Some marks (mostly those applied to pink salmon) are on an every other year cycle, while others rotate on a three-year cycle. Thermal mark patterns are presented in the Uniform Hatch Code notation (Johnson et al. 2006).

## References

Johnson, W.F., R.P. Josephson, T.R. Frawley, and D.S. Oxman 2006. Revised web-based North Pacific salmon otolith mark directory. (NPAFC Doc. 971). 39p. Alaska Dept. Fish and Game, Juneau Alaska

Table 1. Summary of thermal mark codes to be applied to Alaska hatchery salmon in brood year 2018.

SPECIES: SOCKEYE

ID#	MARK TYPE	BROOD YEAR	RELEASE YEAR	SPECIES	STATE/ PROVINCE	REGION RELEASE	AGENCY	FACILITY
AK18-01	S	2018	2019	Sockeye	Alaska	Southcentral	PWSA	Gulkana
AK18-02	T	2018	2019	Sockeye	Alaska	Southcentral	CIAA	Trail Lakes
AK18-03	T	2018	2020	Sockeye	Alaska	Southcentral	PWSA	Main Bay
AK18-04	T	2018	2020	Sockeye	Alaska	Southcentral	PWSA	Main Bay
AK18-05	T	2018	2020	Sockeye	Alaska	Southcentral	PWSA	Main Bay
AK18-06	T	2018	2020	Sockeye	Alaska	Southcentral	PWSA	Main Bay
AK18-07	T	2018	2020	Sockeye	Alaska	Southcentral	PWSA	Main Bay
AK18-08	T	2018	2019	Sockeye	Alaska	Southcentral	CIAA	Trail Lakes
AK18-09	T	2018	2019	Sockeye	Alaska	Southcentral	CIAA	Trail Lakes
AK18-10	T	2018	2019	Sockeye	Alaska	Southeast	DIPC	Snettisham
AK18-11	T	2018	2019	Sockeye	Alaska	Southeast	DIPC	Snettisham
AK18-12	T	2018	2020	Sockeye	Alaska	Southeast	DIPC	Snettisham
AK18-13	T	2018	2020	Sockeye	Alaska	Southcentral	CIAA	Trail Lakes
AK18-14	T	2018	2020	Sockeye	Alaska	Southcentral	CIAA	Trail Lakes
AK18-15	T	2018	2019	Sockeye	Alaska	Southcentral	CIAA	Trail Lakes
AK18-16	T	2018	2020	Sockeye	Alaska	Southcentral	CIAA	Trail Lakes
AK18-17	T	2018	2020	Sockeye	Alaska	Southeast	DIPC	Snettisham
AK18-18	T	2018	2019	Sockeye	Alaska	Southeast	DIPC	Snettisham
AK18-19	T	2018	2019	Sockeye	Alaska	Southcentral	CIAA	Trail Lakes
AK18-20	T	2018	2019	Sockeye	Alaska	Southeast	DIPC	Snettisham
AK18-21	T	2018	2019	Sockeye	Alaska	Southeast	DIPC	Snettisham
AK18-22	T	2018	2020	Sockeye	Alaska	Southeast	DIPC	Snettisham
AK18-23	T	2018	2020	Sockeye	Alaska	Southeast	DIPC	Snettisham
AK18-24	D	2018	2019	Sockeye	Alaska	Western	KRAA	Pillar Creek
AK18-25	D	2018	2020	Sockeye	Alaska	Western	KRAA	Pillar Creek
AK18-26	D	2018	2020	Sockeye	Alaska	Western	KRAA	Kitoi Bay

ID#	MARK NAME	STOCK	STAGE	ESIMATED RELEASE	HATCH CODE	PRE-HATCH GRAPHIC	POST-HATCH GRAPHIC
AK18-01	GULKANA18	Gulkana	Emergent Fry	22,000,000	HS1		
AK18-02	TRAILLAKES18A	Bear Lk	Emergent Fry	2,400,000	4,2H		
AK18-03	MBH18A	Main Bay	Smolt	2,380,000	2,2H3		
AK18-04	MBH18B	Main Bay	Smolt	2,380,000	2,2H2,2		
AK18-05	MBH18C	Main Bay	Smolt	2,380,000	2,2H5		
AK18-06	MBH18D	Main Bay	Smolt	2,380,000	2,2H3,3		
AK18-07	MBH18E	Main Bay	Smolt	2,380,000	2,2H4,2		
AK18-08	PENINSULA18SOCKEYE	English Bay Lk	Emergent Fry	2,250,000	H2,2		
AK18-09	HAZEL18	Hazel Lk	Fed Fry	1,250,000	H2,2,2		
AK18-10	TATSAMENIE18	S-Tatsamenie Lk	Emergent Fry	800,000	3n,2H		
AK18-11	TRAPPER18	S-L TRAPPER LK	Emergent Fry	700,000	2,4H		
AK18-12	SPEELARM18A	Snettisham	Smolt	8,000,000	3,2nH		
AK18-13	TRAILLAKES18B	Bear Lk	Smolt	1,450,000	3,3,2H		
AK18-14	TRAILLAKES18C	Bear Lk	Smolt	500,000	4,6nH		
AK18-15	HIDDENLAKE18	Hidden Lk	Emergent Fry	1,000,000	3,2,1H		
AK18-16	SHELLLAKE18	Shell Lk	Smolt	250,000	4,2,3H		
AK18-17	SPEELARM18B	Snettisham	Smolt	1,000,000	7H		
AK18-18	TAHLTAN18	S-Tahltan Lk	Emergent Fry	2,000,000	1,4H		
AK18-19	TUTKA18	English Bay Lk	Emergent Fry	530,000	3,5H		
AK18-20	TATSAMENIE18ER	S-Tatsamenie Lk	Fingerling	200,000	3,3H		
AK18-21	SWEETHEART18	Snettisham	Emergent Fry	500,000	2,5H		
AK18-22	SPEELARM18C	Snettisham	Smolt	1,000,000	4,3nH		
AK18-23	SPEELARM18D	Snettisham	Smolt	1,000,000	5n,3H		
AK18-24	KODIAK18	Saltery	Emergent Fry	2,000,000	6H		
AK18-25	KODIAK18A	Saltery	Smolt	650,000	5,2H		
AK18-26	KITOI18	Kitoi bay	Smolt	850,000	6,3H		

Table 1 (continued). Summary of thermal mark codes to be applied to Alaska hatchery salmon in brood year 2018.

SPECIES: PINK

ID#	MARK TYPE	BROOD YEAR	RELEASE YEAR	SPECIES	STATE/ PROVINCE	REGION RELEASE	AGENCY	FACILITY
AK18-27	T	2018	2019	Pink	Alaska	Southcentral	PWSA	A F Koernig
AK18-28	T	2018	2019	Pink	Alaska	Southcentral	PWSA	A F Koernig
AK18-29	T	2018	2019	Pink	Alaska	Southcentral	PWSA	Wally Noerenberg
AK18-30	T	2018	2019	Pink	Alaska	Southeast	SJ	Sheldon Jackson
AK18-31	T	2018	2019	Pink	Alaska	Southeast	AKI	Port Armstrong
AK18-32	T	2018	2019	Pink	Alaska	Southeast	AKI	Port Armstrong
AK18-33	T	2018	2019	Pink	Alaska	Southeast	AKI	Port Armstrong
AK18-34	T	2018	2019	Pink	Alaska	Southeast	AKI	Port Armstrong
AK18-35	T	2018	2019	Pink	Alaska	Southeast	AKI	Port Armstrong
AK18-36	T	2018	2019	Pink	Alaska	Southcentral	VFDA	Solomon Gulch
AK18-37	T	2018	2019	Pink	Alaska	Southcentral	PWSA	Cannery Creek
AK18-38	T	2018	2019	Pink	Alaska	Southcentral	PWSA	Wally Noerenberg
AK18-39	T	2018	2019	Pink	Alaska	Southcentral	CIAA	Tutka Bay
AK18-40	T	2018	2019	Pink	Alaska	Southcentral	CIAA	Tutka Bay
AK18-41	T	2018	2019	Pink	Alaska	Southcentral	CIAA	Port Graham
AK18-42	T	2018	2019	Pink	Alaska	Southcentral	CIAA	Port Graham

ID#	MARK NAME	STOCK	STAGE	ESIMATED RELEASE	HATCH CODE	PRE-HATCH GRAPHIC	POST-HATCH GRAPHIC
AK18-27	AFK18A	A F Koernig	Fed Fry	90,000,000	4H3		
AK18-28	AFK18B	A F Koernig	Fed Fry	90,000,000	4H		
AK18-29	WNH18PINKB	Wally Noerenberg	Fed Fry	70,000,000	8H		
AK18-30	SJ18PINK	Indian R 112-42	Fed Fry	100,000	4,1H		
AK18-31	PORTARMSTRONG18	Port Armstrong	Fed Fry	23,100,000	3H		
AK18-32	PORTARMSTRONG18A	Port Armstrong	Fed Fry	8,400,000	3H4		
AK18-33	PORTARMSTRONG18B	Port Armstrong	Fed Fry	5,100,000	3H3		
AK18-34	PORTARMSTRONG18C	Port Armstrong	Fed Fry	8,400,000	3H5		
AK18-35	PORTARMSTRONG18D	Port Armstrong	Fed Fry	5,100,000	3H6		
AK18-36	SGH18	Solomon Gulch	Fed Fry	200,000,000	6H		
AK18-37	CCH18	Cannery Cr	Fed Fry	140,000,000	3,3H		
AK18-38	WNH18PINKA	Wally Noerenberg	Fed Fry	120,000,000	8H3		
AK18-39	TUTKA18PINK	English Bay Lk	Fed Fry	100,000,000	5,3H		
AK18-40	TUTKA18PINKA	English Bay Lk	Fed Fry	14,000,000	4,4H		
AK18-41	PORTGRAHAM18	Port Graham	Fed Fry	65,000,000	5H3		
AK18-42	PORTGRAHAM18A	Bruin Bay	Fed Fry	400,000	5H5		

Table 1 (continued). Summary of thermal mark codes to be applied to Alaska hatchery salmon in brood year 2018.

SPECIES: CHUM

ID#	MARK TYPE	BROOD YEAR	RELEASE YEAR	SPECIES	STATE/ PROVINCE	REGION RELEASE	AGENCY	FACILITY
AK18-43	T	2018	2019	Chum	Alaska	Southeast	SJ	Sheldon Jackson
AK18-44	T	2018	2019	Chum	Alaska	Southeast	AKI	Port Armstrong
AK18-45	T	2018	2019	Chum	Alaska	Southeast	NSRA	Medvejie
AK18-46	T	2018	2019	Chum	Alaska	Southeast	NSRA	Sawmill Creek
AK18-47	T	2018	2019	Chum	Alaska	Southeast	NSRA	Medvejie
AK18-48	T	2018	2019	Chum	Alaska	Southcentral	PWSA	Wally Noerenberg
AK18-49	T	2018	2019	Chum	Alaska	Southeast	NSRA	Medvejie
AK18-50	T	2018	2019	Chum	Alaska	Southeast	NSRA	Hidden Falls
AK18-51	T	2018	2019	Chum	Alaska	Southeast	NSRA	Hidden Falls
AK18-52	T	2018	2019	Chum	Alaska	Southeast	NSRA	Medvejie
AK18-53	T	2018	2019	Chum	Alaska	Southeast	NSRA	Medvejie
AK18-54	T	2018	2019	Chum	Alaska	Southcentral	PWSA	Wally Noerenberg
AK18-55	T	2018	2019	Chum	Alaska	Southeast	DIPC	Macaulay
AK18-56	T	2018	2019	Chum	Alaska	Southeast	DIPC	Macaulay
AK18-57	T	2018	2019	Chum	Alaska	Southeast	DIPC	Macaulay
AK18-58	T	2018	2019	Chum	Alaska	Southcentral	PWSA	Wally Noerenberg
AK18-59	T	2018	2019	Chum	Alaska	Southcentral	PWSA	Wally Noerenberg
AK18-60	T	2018	2019	Chum	Alaska	Southeast	NSRA	Hidden Falls
AK18-61	T	2018	2019	Chum	Alaska	Southeast	NSRA	Hidden Falls
AK18-62	T	2018	2019	Chum	Alaska	Southeast	NSRA	Hidden Falls
AK18-63	T	2018	2019	Chum	Alaska	Southeast	NSRA	Hidden Falls
AK18-64	T	2018	2019	Chum	Alaska	Southeast	NSRA	Hidden Falls
AK18-65	T	2018	2019	Chum	Alaska	Southeast	NSRA	Hidden Falls
AK18-66	T	2018	2019	Chum	Alaska	Southeast	NSRA	Hidden Falls
AK18-67	T	2018	2019	Chum	Alaska	Southeast	NSRA	Hidden Falls
AK18-68	T	2018	2019	Chum	Alaska	Southeast	NSRA	Medvejie
AK18-69	T	2018	2019	Chum	Alaska	Southeast	NSRA	Medvejie
AK18-70	T	2018	2019	Chum	Alaska	Southeast	NSRA	Medvejie
AK18-71	T	2018	2019	Chum	Alaska	Southeast	SSRA	Neets Bay
AK18-72	T	2018	2019	Chum	Alaska	Southeast	SSRA	Neets Bay
AK18-73	T	2018	2019	Chum	Alaska	Southeast	SSRA	Neets Bay
AK18-74	T	2018	2019	Chum	Alaska	Southeast	SSRA	Neets Bay
AK18-75	T	2018	2019	Chum	Alaska	Southeast	SSRA	Neets Bay
AK18-76	T	2018	2019	Chum	Alaska	Southeast	SSRA	Neets Bay
AK18-77	T	2018	2019	Chum	Alaska	Southeast	SSRA	Neets Bay
AK18-78	T	2018	2019	Chum	Alaska	Southeast	SSRA	Neets Bay
AK18-79	T	2018	2019	Chum	Alaska	Southeast	SSRA	Neets Bay
AK18-80	T	2018	2019	Chum	Alaska	Southeast	SSRA	Neets Bay
AK18-81	T	2018	2019	Chum	Alaska	Southeast	SSRA	Neets Bay
AK18-82	T	2018	2019	Chum	Alaska	Western	NSED	Norton Sound Hatchery
AK18-83	T	2018	2019	Chum	Alaska	Western	NSED	Norton Sound Hatchery
AK18-84	T	2018	2019	Chum	Alaska	Western	KRAA	Kitoi Bay
AK18-85	T	2018	2019	Chum	Alaska	Western	KRAA	Kitoi Bay
AK18-86	T	2018	2019	Chum	Alaska	Southeast	MIC	Tamgas Creek

Table 1 (continued). Summary of thermal mark codes to be applied to Alaska hatchery salmon in brood year 2018.

SPECIES: CHUM

ID#	MARK NAME	STOCK	STAGE	ESIMATED RELEASE	HATCH CODE	PRE-HATCH GRAPHIC	POST-HATCH GRAPHIC
AK18-43	SJ18CHUM	Indian R 112-42	Fed Fry	100,000	4H		
AK18-44	PORTARMSTRONG18CHUM	Port Armstrong	Fed Fry	30,000,000	3H4		
AK18-45	DEEPINLETMV18	Medvejie	Fed Fry	12,466,000	3,1,3H		
AK18-46	DEEPINLETMV18B	Medvejie	Fed Fry	18,400,000	4,4,3H		
AK18-47	DEEPINLETMV18LL	Medvejie	Fed Fry	7,774,000	3,2,5H		
AK18-48	WNH18A	Wally Noerenberg	Fed Fry	75,000,000	3,4nH		
AK18-49	DEEPINLETFH18	Hidden Falls	Fed Fry	22,000,000	3n,2,2nH		
AK18-50	HIDDENFALLS18	Hidden Falls	Fed Fry	16,100,000	1,2,5H		
AK18-51	HIDDENFALLS18LLB	Hidden Falls	Fed Fry	10,600,000	3,3,2H		
AK18-52	BEARCOVE18	Medvejie	Fed Fry	12,880,000	4,2,1H		
AK18-53	BEARCOVE18LL	Medvejie	Fed Fry	5,520,000	3n,5H		
AK18-54	WNH18B	Wally Noerenberg	Fed Fry	15,000,000	1,2,3H		
AK18-55	DIPAC18	Macaulay	Fed Fry	66,000,000	1,3H		
AK18-56	DIPAC18B	Macaulay	Fed Fry	51,000,000	1,3H3		
AK18-57	PELICAN18	Macaulay	Unfed Fry	500,000	5,1H		
AK18-58	WNH18C	Wally Noerenberg	Fed Fry	25,000,000	1,3,3H		
AK18-59	WNH18D	Wally Noerenberg	Fed Fry	17,900,000	4,3,3H		
AK18-60	HIDDENFALLS18B	Hidden Falls	Fed Fry	9,200,000	5n,2H		
AK18-61	HIDDENFALLS18LL	Hidden Falls	Fed Fry	10,600,000	5n,4H		
AK18-62	SECOVE18	Hidden Falls	Fed Fry	32,200,000	8,2H		
AK18-63	SECOVE18LL	Hidden Falls	Fed Fry	18,400,000	8H		
AK18-64	THOMASBAY18	Hidden Falls	Fed Fry	13,800,000	3,3H3		
AK18-65	THOMASBAY18LL	Hidden Falls	Fed Fry	9,200,000	3,3H5		
AK18-66	GUNNUKCREEK18	Hidden Falls	Fed Fry	9,200,000	7,4H		
AK18-67	BEARCOVEHF18	Hidden Falls	Fed Fry	11,040,000	5n,4H		
AK18-68	BEARCOVEHF18LL	Hidden Falls	Fed Fry	7,360,000	5n,4H3		
AK18-69	CRAWFISH18	Medvejie	Fed Fry	13,800,000	6,3H		
AK18-70	CRAWFISH18LL	Medvejie	Fed Fry	13,800,000	4,6H		
AK18-71	ANITABAY18	Neets Bay	Fed Fry	20,000,000	1,6H		
AK18-72	KENDRICK18	Neets Bay	Fed Fry	2,000,000	5,3H		
AK18-73	KENDRICK18LL	Neets Bay	Fed Fry	2,000,000	5,3H3		
AK18-74	NEETS BAY18SUM	Neets Bay	Fed Fry	55,000,000	4,4H		
AK18-75	BURNETTINLET18	Neets Bay	Fed Fry	5,000,000	3,5,3H		
AK18-76	NEETS BAY18FALL	Neets Bay	Fed Fry	20,000,000	4,2,2H		
AK18-77	NAKATINLET18SUM	Neets Bay	Fed Fry	8,000,000	3,1,4H		
AK18-78	ANITABAYLL18	Neets Bay	Fed Fry	2,000,000	4n,4H		
AK18-79	NAKATINLET18FALL	Neets Bay	Fed Fry	8,000,000	3,4,1H		
AK18-80	BURNETTINLET18FALL	Neets Bay	Fed Fry	6,000,000	7n,3H		
AK18-81	PORTASCUMCION18	Neets Bay	Smolt	6,000,000	5H5		
AK18-82	NORTON18CHUM	Solomon R	Emergent Fry	160,000	1,2,2nH		
AK18-83	NORTON18CHUMB	Snake R	Eyed Egg	160,000	7H4		
AK18-84	KITOI18CHUM	Sturgeon R	Fed Fry	15,000,000	3,3,3H		
AK18-85	KITOI18CHUMA	Sturgeon R	Fed Fry	15,000,000	3,2,4H		
AK18-86	TAMGAS18	Carroll R	Fed Fry	10,000,000	4H3		

Table 1 (continued). Summary of thermal mark codes to be applied to Alaska hatchery salmon in brood year 2018.

**SPECIES: COHO**

ID#	MARK TYPE	BROOD YEAR	RELEASE YEAR	SPECIES	STATE/ PROVINCE	REGION RELEASE	AGENCY	FACILITY
AK18-87	T	2018	2020	Coho	Alaska	Southeast	DIPC	Macaulay
AK18-88	T	2018	2020	Coho	Alaska	Southcentral	PWSA	Wally Noerenberg
AK18-89	T	2018	2019	Coho	Alaska	Southcentral	CIAA	Trail Lakes
AK18-90	T	2018	2020	Coho	Alaska	Southcentral	CIAA	Trail Lakes
AK18-91	T	2018	2020	Coho	Alaska	Southcentral	ADFG	William Jack Hernandez
AK18-92	T	2018	2020	Coho	Alaska	Southcentral	VFDA	Solomon Gulch
AK18-93	T	2018	2020	Coho	Alaska	Southcentral	ADFG	William Jack Hernandez
AK18-94	T	2018	2020	Coho	Alaska	Southeast	NSRA	Medveje
AK18-95	T	2018	2020	Coho	Alaska	Southeast	NSRA	Sawmill Creek
AK18-96	T	2018	2020	Coho	Alaska	Southeast	SSRA	Klawock
AK18-97	T	2018	2019	Coho	Alaska	Western	NSED	Norton Sound Hatchery
AK18-98	T	2018	2020	Coho	Alaska	Southeast	SSRA	Neets Bay
AK18-99	T	2018	2020	Coho	Alaska	Western	KRAA	Pillar Creek
AK18-100	D	2018	2020	Coho	Alaska	Western	KRAA	Kitoi Bay
AK18-101	T	2018	2020	Coho	Alaska	Southeast	SJ	Sheldon Jackson
AK18-102	T	2018	2019	Coho	Alaska	Western	VWM	Village of White Mountain

ID#	MARK NAME	STOCK	STAGE	ESIMATED RELEASE	HATCH CODE	PRE-HATCH GRAPHIC	POST-HATCH GRAPHIC
AK18-87	DAVIDSON18	Macaulay	Smolt	1,000,000	6,2H		
AK18-88	WNH18COHO	Wally Noerenberg	Smolt	1,000,000	3H		
AK18-89	TRAILLAKES18SMCOHO	Bear Lk	Emergent Fry	55,000	4,3H		
AK18-90	BEARLAKE18COHO	Bear Lk	Smolt	450,000	5,3H		
AK18-91	COOKINLET18COHO	Ship Cr	Smolt	655,000	1,5H		
AK18-92	SGH18COHO	Solomon Gulch	Smolt	1,950,000	6H		
AK18-93	RESURRECTION18COHO	Bear Lk	Smolt	240,000	2,4H		
AK18-94	MEDVEJIE18COHO	Salmon Lk 102-60	Smolt	200,000	7H		
AK18-95	DEEPINLET18COHO	Salmon Lk 102-60	Smolt	1,800,000	4H		
AK18-96	KLAWOCK18COHO	Klawock Lk	Smolt	400,000	4,2H		
AK18-97	NORTON18COHO	Snake R	Eyed Egg	200,000	2,3H		
AK18-98	NAKAT18COHO	Neets Bay	Smolt	600,000	2,5H		
AK18-99	PILLAR18COHO	Buskin R	Smolt	275,000	2,2H		
AK18-100	KITOIBAY18	Kitoi bay	Smolt	277,000	2,5H		
AK18-101	SJ18COHO	Indian R 112-42	Smolt	250,000	3,2H		
AK18-102	OPHIR18	Fish R 333-20	Eyed Egg	20,000	4,4H		

**SPECIES: CHINOOK**

ID#	MARK TYPE	BROOD YEAR	RELEASE YEAR	SPECIES	STATE/ PROVINCE	REGION RELEASE	AGENCY	FACILITY
AK18-103	T	2018	2020	Chinook	Alaska	Southeast	NSRA	Hidden Falls
AK18-104	T	2018	2020	Chinook	Alaska	Southeast	SSRA	Whitman Lake
AK18-105	T	2018	2020	Chinook	Alaska	Southeast	NSRA	Medveje
AK18-106	T	2018	2019	Chinook	Alaska	Southcentral	ADFG	William Jack Hernandez
AK18-107	T	2018	2019	Chinook	Alaska	Southcentral	ADFG	William Jack Hernandez
AK18-108	T	2018	2019	Chinook	Alaska	Southcentral	ADFG	William Jack Hernandez
AK18-109	T	2018	2019	Chinook	Alaska	Southcentral	ADFG	William Jack Hernandez
AK18-110	T	2018	2019	Chinook	Alaska	Southcentral	ADFG	William Jack Hernandez
AK18-111	T	2018	2019	Chinook	Alaska	Western	NSED	Norton Sound Hatchery
AK18-112	T	2018	2020	Chinook	Alaska	Southeast	SSRA	Crystal Lake

ID#	MARK NAME	STOCK	STAGE	ESIMATED RELEASE	HATCH CODE	PRE-HATCH GRAPHIC	POST-HATCH GRAPHIC
AK18-103	HIDDENFALLS18CHIN	Hidden Falls	Smolt	650,000	4,2H		
AK18-104	WHITMAN18CHIN	Whitman Lk	Smolt	1,475,000	1,5H		
AK18-105	MEDVEJIE18CHIN	Medveje	Smolt	3,000,000	2,3nH		
AK18-106	COOKINLET18CHIN	Cook Inlet	Smolt	1,346,500	2,3H		
AK18-107	SHIPCREEK18CHINS	Ship Cr	Smolt	210,000	2,3H4,2		
AK18-108	SHIPCREEK18CHINL	Ship Cr	Smolt	165,000	2,3H2,4		
AK18-109	PWS18CHIN	Ship Cr	Smolt	210,000	2,4H		
AK18-110	RESURRECTION18CHIN	Crooked Cr 221-60	Smolt	315,000	2,5H		
AK18-111	SOUTHRIVER18	Unalakleet R+Old Woman R	Eyed Egg	240,000	6,2H		
AK18-112	CRYSTAL18CHIN	Crystal Cr	Smolt	1,500,000	5,3H		