

UPDATE ON ODFW MASS MARKING PROGRAMS

Proposed 2006 adipose fin marking and Coded Wire Tagging programs for Columbia River basin and Oregon coastal Chinook and coho salmon (brood year 2005) are attached.

Included mass marking (adipose fin mark only) programs can be summarized as follows:

Columbia River:

- 750,000 spring run Chinook from Gnat Creek Hatchery on the Lower Columbia River.
- 260,000 spring run Chinook from Bonneville Hatchery on the Lower Columbia River to be released in the Clackamas River.
- 1,113,000 spring run Chinook from McKenzie Hatchery on the McKenzie River.
- 1,547,000 spring run Chinook from Marion Forks Hatchery on the North Santiam River. Of these, 260,000 will be released in the Lower Columbia River (Sandy River release), 580,000 will be released in the Clackamas River and 707,000 will be released in the North Santiam River.
- 250,000 spring run Chinook from South Santiam Hatchery on the South Santiam River.
- 2,450,000 spring run Chinook from Willamette Hatchery on the Willamette River. Of these, 210,000 will be released in the Clackamas River, 70,000 in the Molalla River, 731,000 in the South Santiam River and 1,439,000 in the Middle Fork Willamette River.
- 542,000 spring run Chinook from Umatilla Hatchery on the Umatilla River.
- 283,000 spring run Chinook from Lookingglass Hatchery on the Grande Ronde River. Of these, 244,000 will be released in the Imnaha River and 39,000 in the Upper Grande Ronde River.
- 550,000 fall run Chinook from Umatilla Hatchery on the Lower Columbia River to be released in the Snake River.
- 485,000 coho from Big Creek Hatchery on the Lower Columbia River.
- 2,662,000 coho from Cascade Hatchery on the Lower Columbia River.
- 900,000 coho from Sandy Hatchery on the Sandy River. Of these, 625,000 will be released in the Sandy River and 275,000 in the Lower Columbia River.

Coastal Oregon:

- 203,000 spring run Chinook from Trask Hatchery on the northern Oregon Coast.
- 85,000 spring run Chinook from Cedar Creek Hatchery on the northern Oregon Coast.
- 292,000 spring run Chinook from Rock Cr. Hatchery on the Umpqua River.
- 1,762,000 spring run Chinook from Cole M. Rivers Hatchery on the Rogue River.
- 100,000 coho from Nehalem Hatchery on the northern Oregon Coast.
- 175,000 coho from Salmon River Hatchery on the central Oregon Coast.
- 72,000 coho from Rock Creek Hatchery on the Umpqua River.
- 150,000 coho from Cole M. Rivers Hatchery on the Rogue River.

For 2007, ODFW will likely propose similar marking and tagging strategies as 2006 with the following additions contingent on additional federal funding:

- 5.5 million fall run (Tule stock) Chinook at Mitchell Act funded facilities on the lower Columbia River.
- 7.7 million fall run (Upriver Bright stock) Chinook at other federally funded facilities on the Lower Columbia River.

PROPOSED MARKING AND TAGGING

Species: Spring Chinook

Brood: 2005

Release Year: 2006/2007

Area/Region	Hatchery	Stock	Number of fish to be released with a CWT		Number of fish to be released without a CWT		Ideal Marking Start Time			Proposed to be Marked This Year (Y/N)	Marked in Previous Year (Y/N)
			Ad Clipped	Not Ad Clipped	Ad Clipped	Not Ad Clipped	Month	Year	Year		
Northwest-N	Bonneville	19	50,000		260,000		March	2006	Y	Y	
Northwest-N	Cedar Cr.	47	25,000		85,000		March	2006	Y	Y	
Northwest-N	Gnat Cr.	22	100,000		750,000		June	2006	Y	Y	
Northwest-N	Trask	34	50,000		303,000		March	2006	Y	Y	
	Total for Region		225,000		1,398,000						
Northwest-S	McKenzie	23	210,000	50,000	1,114,000		July	2006	Y	Y	
Northwest-S	Marion Fk.	11	50,000		260,000		July	2006	Y	Y	
Northwest-S	Marion Fk.	19	50,000		580,000		July	2006	Y	Y	
Northwest-S	Marion Fk.	21	60,000		707,000		July	2006	Y	Y	
Northwest-S	S.Santiam	24	50,000		250,000		August	2006	Y	Y	
Northwest-S	Willamette	19	30,000		210,000		May	2006	Y	Y	
Northwest-S	Willamette	22	160,000	50,000	1,439,000		May	2006	Y	Y	
Northwest-S	Willamette	24	120,000		801,000		May	2006	Y	Y	
	Total for Region		730,000	100,000	5,361,000						
Southwest	Cole R.	52	110,000	50,000	1,762,000		April	2006	Y	Y	
Southwest	Rock Cr	55	50,000		292,000		April	2005	Y	Y	
	Total for Region		160,000	50,000	2,054,000						
Northeast	Lookingglass	29	183,000		244,000		June	2006	Y	Y	
Northeast	Lookingglass	80	78,000	24,000	39,000		June	2006	Y	Y	
Northeast	Lookingglass	200	228,000				June	2006	Y	Y	
Northeast	Lookingglass	201	74,000				June	2006	Y	Y	
Northeast	Umatilla	91	60,000		542,000		August	2006	Y	Y	
	Total for Region		623,000	24,000	825,000						
High Desert	Round Butte	50	98,000				July	2006	Y	Y	
High Desert	Round Butte	66	363,000				July	2006	Y	Y	
	Total for Region		461,000	0	0						
TOTAL			2,199,000	174,000	9,638,000						

PROPOSED MARKING AND TAGGING

Species: Fall Chinook
 Brood: 2005
 Release Year: 2006/2007

Area/Region	Hatchery	Stock	Number of fish to be released with a CWT		Number of fish to be released without a CWT		Ideal Marking Start Time		Proposed to be Marked This Year (Y/N)	Marked in Previous Year (Y/N)
			Ad Clipped	Not Ad Clipped	Ad Clipped	Not Ad Clipped	Month	Year		
Northwest-N	Big Cr.	13	200,000		5,500,000		April	2006	Y	Y
Northwest-N	Big Cr.	52	50,000		1,425,000		June	2006	Y	Y
Northwest-N	Cedar Cr.	47			100,000		August	2006	N	N
Northwest-N	Bonneville	91	50,000	430,000*	7,694,000		April	2006	Y	Y
Northwest-N	Bonneville	95	300,000		88,000		June	2006	Y	Y
Northwest-N	Trask	34	50,000		600,000		April	2006	Y	Y
Northwest-N	Youngs Bay	52	50,000				May	2006	Y	Y
Northwest-N	Wild(lives Is.)	195	30,000						Y	Y
	Total for Region		730,000	430,000	0	15,407,000	May	2006	Y	Y
Northwest-S	Salmon R.	36	200,000		25,000		May	2006	Y	Y
Northwest-S	Salmon R.	146	25,000							
	Total for Region		225,000	0	0	25,000	May	2006	Y	Y
Southwest	Bandon	37	60,000		2,497,000		May	2006	Y	Y
Southwest	Butte Falls	44	25,000		150,000		July	2006	Y	Y
Southwest	Canyonville	151			50,000		June	2006	N	N
Southwest	Cole R.	37	25,000				May	2006	Y	Y
Southwest	Elk R.	35	200,000		125,000		May	2006	Y	Y
Southwest	Elk R.	96	25,000		125,000		May	2006	Y	Y
Southwest	Gardiner	151			100,000		June	2006	N	N
Southwest	Indian Cr.	61	25,000		50,000		May	2006	Y	Y
Southwest	Rock Creek	151	25,000		45,000		May	2006	Y	Y
Southwest	STEP	18			50,000				N	N
	Total for Region		385,000	0	0	3,192,000	March	2006	Y	Y
Northwest	Umatilla	91	600,000				March	2006	Y	Y
Northwest	Umatilla	97	200,000		550,000		March	2006	Y	Y
	Total for Region		800,000	0	550,000					
TOTAL			2,140,000	430,000*	550,000	18,624,000				

* Agency BLANK Wire Tags

PROPOSED MARKING AND TAGGING

Species: Coho
 Brood: 2005
 Release Year: 2007

Area/Region	Hatchery	Stock	Number of fish to be released with a CWT		Number of fish to be released without a CWT		Ideal Marking Start Time		Proposed to be Marked This Year (Y/N)	Marked in Previous Year (Y/N)
			Ad Clipped	Not Ad Clipped	Ad Clipped	Not Ad Clipped	Month	Year		
Northwest-N	Big Cr.	13	50,000		485,000		June	2006	Y	Y
Northwest-N	Bonneville	14	25,000				August	2006	Y	Y
Northwest-N	Cascade	14	100,000		2,662,000	950,000	June	2006	Y	Y
Northwest-N	Cascade	508		650,000*			August	2006	Y	Y
Northwest-N	Nehalem	34	50,000		50,000		September	2006	Y	Y
Northwest-N	Nehalem	99	50,000		50,000		September	2006	Y	Y
Northwest-N	Oxbow	14	75,000			480,000	August	2006	Y	Y
Northwest-N	Sandy	11	75,000	25,000	900,000		May	2006	Y	Y
	Total for Region		425,000	675,000	4,147,000	1,430,000				
Northwest-S	Salmon R.	33	25,000		195,000		May	2006	Y	Y
	Total for Region		25,000	0	195,000	0				
Southwest	Cole R.	52	25,000	25,000	150,000		August	2006	Y	Y
Southwest	Rock Creek	18	25,000		35,000		August	2006	Y	Y
Southwest	Rock Creek	55	25,000		37,000		August	2006	Y	Y
Southwest	STEP	37							N	N
	Total for Region		75,000	25,000	222,000	0				
TOTAL			525,000	700,000	4,564,000	1,430,000				

* 650,000 CWTed by USFWS for Yakama Indian Nation

FWS COLUMBIA RIVER 2006 CHINOOK MASS MARKING

2/6/2006

Species: Chinook
 Area: Columbia River
 Brood: 2005
 Release Year: 2006 and 2007

Program Levels: Actual releases and marking levels may be somewhat higher or lower depending on actual rearing cycle.

Agency	Hatchery	Stock	Number of fish to be released with a CWT		Number of fish to be released without a CWT		Total Production	Proposed to be marked this year (Y/N)	Marked in previous year (Y/N)	Comments
			Ad Clipped	Unclipped	Ad Clipped	Unclipped				
FWS	Spring Creek NFH	Spring Creek - Tule Falls	450,000	450,000	14,100,000	0	15,000,000	Y	Y	
FWS	Little White Salmon NFH	Little White Salmon - URB Falls	200,000	200,000	1,600,000	0	2,000,000	Y	Y	
FWS	Little White Salmon NFH	Little White Salmon - URB Falls	200,000	0	0	1,500,000	1,700,000	N	N	YN-Prosser release
WDFW	Priest Rapids	Priest Rapids - URB Falls	0	0	1,700,000	0	1,700,000	Y	N	Marked by FWS
Total Fall Chinook			850,000	650,000	17,400,000	1,500,000	20,400,000			
FWS	Carson NFH	Carson - Springs 1+	75,000	0	1,095,000	0	1,170,000	Y	Y	Drano L. rel. (from Carson in '05)
FWS	Willard NFH	Little White Salmon - Springs 1+	50,000	0	200,000	0	250,000	Y	Y	
FWS	Little White Salmon NFH	Little White Salmon - Springs 1+	75,000	0	675,000	0	750,000	Y	Y	
FWS	Little White Salmon NFH	Little White Salmon - Springs 1+	50,000	0	200,000	0	250,000	Y	Y	Walla Walla R. release
FWS	Little White Salmon NFH	Little White Salmon - Springs 1+	40,000	0	170,000	0	210,000	Y	Y	Umatilla R. release
FWS	Warm Springs NFH	Warm Springs - Springs 1+	750,000	0	0	0	750,000	Y	Y	
FWS	Leavenworth NFH	Leavenworth - Springs 1+	800,000	0	825,000	0	1,625,000	Y	Y	
FWS	Entiat NFH	Entiat - Springs 1+	400,000	0	0	0	400,000	Y	Y	
FWS	Winthrop NFH	Methow - Springs 1+	0	600,000	0	0	600,000	N	N	Restoration program
FWS	Kooskia NFH	Kooskia NFH - Springs 1+	100,000	0	500,000	0	600,000	Y	Y	
FWS	Dworshak NFH	Dworshak - Springs 1+	120,000	0	930,000	0	1,050,000	Y	Y	
Total Spring Chinook			2,460,000	600,000	4,595,000	0	7,655,000			
Total Chinook			3,310,000	1,250,000	21,995,000	1,500,000	28,055,000			
Total Chinook Production					28,055,000					
Total Percent Marked									90%	

FWS COLUMBIA RIVER 2006 COHO MASS MARKING

2/6/2006

Species: Coho
 Area: Columbia River
 Brood: 2005
 Release Year: 2007

Program Levels: Actual releases and marking levels may be somewhat higher or lower depending on actual rearing cycle.

Agency	Hatchery	Stock	Number of fish to be released with a CWT		Number of fish to be released without a CWT		Total Production	Proposed to be marked this year (Y/N)	Marked in previous year (Y/N)	Comments
			Ad Clipped	Unc clipped	Ad Clipped	Unc clipped				
FWS	Eagle Creek NFH	Eagle Creek - 1+	25,000	25,000	450,000	0	500,000	Y	Y	Pottlatch R. Release - NPT
FWS	Eagle Creek NFH	Eagle Creek - 1+	50,000	50,000	0	175,000	275,000	N	N	Lapwai Cr. Release - NPT
FWS	Eagle Creek NFH	Eagle Creek - 1+	50,000	50,000	0	175,000	275,000	N	N	Yakima R. Release - YN
FWS	Willard NFH	Wenatchee - 1+	0	0	600,000	0	600,000	Y	Y	Wenatchee R. Release - YN
ODFW	Cascade Hatchery	Wenatchee - 1+	0	550,000	0	0	550,000	N	N	Wen. R. Rel. - YN (Tagged by FWS)
YN	Prosser Hatchery	Yakima - 1+	0	700,000	0	0	700,000	N	N	LV Clip - YN (Marked by FWS)
FWS	Winthrop NFH	Wenatchee - 1+	0	0	0	500,000	500,000	N	N	YN restoration program
FWS	Kooskia NFH	Dworshak - 1+	0	250,000	0	0	250,000	N	N	NPT restoration program
			0	120,000	0	160,000	280,000	N	N	
		Total Coho	125,000	1,745,000	1,050,000	1,010,000	3,930,000			

Total Coho Production 3,930,000
Total Percent Marked 30%

FWS NORTH COAST AND PUGET SOUND 2006 CHINOOK MASS MARKING

2/6/2006

Species: Chinook
 Area: North Coast and Puget Sound
 Brood: 2005
 Release Year: 2006
 Program Levels: Actual releases and marking levels may be somewhat higher or lower depending on actual rearing cycle.

Agency	Hatchery	Stock	Number of fish to be released with a CWT		Number of fish to be released without a CWT		Proposed to be marked this year (Y/N)	Marked in previous year (Y/N)	Comments
			Ad Clipped	Unclipped	Ad Clipped	Unclipped			
FWS	Makah NFH	Makah Falls	260,000	0	1,940,000	0	Y	Y	
FWS	Makah NFH	Makah Falls	0	0	100,000	0	Y	Y	Educket Cr. Release
FWS	Quinault NFH	Quinault Falls	200,000	0	400,000	0	Y	Y	
Total Chinook			460,000	0	2,440,000	0			

Total Chinook Production 2,900,000
Total Percent Marked 100%

FWS NORTH COAST AND PUGET SOUND 2006 COHO MASS MARKING

2/16/2006

Species: Coho
 Area: North Coast and Puget Sound
 Brood: 2005
 Release Year: 2007
 Program Levels: Actual releases and marking levels may be somewhat higher or lower depending on actual rearing cycle.

Agency	Hatchery	Stock	Number of fish to be released with a CWT		Number of fish to be released without a CWT		Proposed to be marked this year (Y/N)	Marked in previous year (Y/N)	Comments
			Ad Clipped	Uncipped	Ad Clipped	Uncipped			
FWS	Makah NFH	Makah	40,000	40,000	120,000	0	200,000	Y	
FWS	Makah NFH	Makah	0	0	40,000	0	40,000	Y	Educket Cr. Release
FWS	Quinalt NFH	Quinalt	80,000	80,000	500,000	0	660,000	Y	
FWS	Quilcene NFH	Quilcene	48,000	48,000	304,000	0	400,000	Y	
FWS	Quilcene NFH	Quilcene	45,000	0	155,000	0	200,000	Y	Quilcene Bay Release
Total Coho			213,000	168,000	1,119,000	0	1,500,000		

Total Coho Production 1,500,000
Total Percent Marked 89%

FWS COLUMBIA RIVER 2006 STEELHEAD MASS MARKING

2/6/2006

Species: Steelhead
 Area: Columbia River
 Brood: 2006
 Release Year: 2007

Program Levels: Actual releases and marking levels may be somewhat higher or lower depending on actual rearing cycle.

Agency	Hatchery	Stock	Number of fish to be released with a CWT		Number of fish to be released without a CWT		Total Production	Proposed to be marked this year (Y/N)	Marked in previous year (Y/N)	Comments
			Ad Clipped	Unclipped	Ad Clipped	Unclipped				
FWS	Eagle Creek NFH	Eagle Creek	150,000	0	0	0	150,000	Y	Y	
FWS	Dworshak NFH	Dworshak	120,000	0	1,780,000	0	1,900,000	Y	Y	1.2M Released On-station
FWS	Dworshak NFH	Dworshak	0	200,000	0	0	200,000	N	N	S. Fk. Clearwater Release
FWS	Hagerman NFH	Salmon River	80,000	0	1,120,000	0	1,200,000	Y	Y	
Total steelhead			350,000	200,000	2,900,000	0	3,450,000			
Total Steelhead Production			3,450,000							
Total Percent Marked			94%							

FWS NORTH COAST AND PUGET SOUND 2006 STEELHEAD MASS MARKING

2/6/2006

Species: Steelhead
 Area: North Coast and Puget Sound
 Brood: 2006
 Release Year: 2007

Program Levels: Actual releases and marking levels may be somewhat higher or lower depending on actual rearing cycle.

Agency	Hatchery	Stock	Number of fish to be released with a CWT		Number of fish to be released without a CWT		Proposed to be marked this year (Y/N)	Marked in previous year (Y/N)	Comments
			Ad Clipped	Unclipped	Ad Clipped	Unclipped			
FWS	Makah NFH	Makah	0	0	158,000	0	Y	Y	
FWS	Makah NFH	Makah	0	0	22,000	0	Y	Y	Educket Cr. Release
FWS	Quinault NFH	Quinault	20,000	0	170,000	0	Y	Y	
Total Steelhead			20,000	0	350,000	0			370,000

Total Steelhead Production 370,000
Total Percent Marked 100%

CHINOOK

Program	Number	State	Federal	Local	Comments
Puget Sound					
Total number currently marked	27,777,000	\$859,968	\$473,340	\$0	Additional marking by tribes
Additional number needed to be marked	0				
Number not marked	2,100,000				Conservation program
White River spring chinook	250,000				Conservation program
Total	2,350,000				
Coast					
Total number currently marked	2,200,000	\$14,400	\$91,200	\$0	
Additional number needed to be marked	0				
Number not marked	1,800,000				\$364,800 to mark this production
Nemah	5,050,000				
Naselle	200,000				
Mayr Brothers	300,000				
Humtulpis	250,000				
SoldDuc (summers)	7,600,000				
Total	7,600,000				
Columbia River - spring chinook					
Total number currently marked	2,472,000		\$42,720	\$80,256	
Additional number needed to be marked	0				
Number not marked	300,000				Conservation program
Cowlitz	300,000				Conservation program
Klickitat	700,000				
Columbia River - summer chinook					
Total number currently marked	0				All are adipose fin clipped and CWT'ed
Additional number needed to be marked	0				
Number unmarked	700,000				US v OR Bridge Agreement
Columbia River - fall chinook					
Total number currently marked	0				
Additional number needed to be marked	4,800,000			\$230,400	Tacoma PUD
Number unmarked	1,910,000		\$91,680		Mitchell Act
Cowlitz	2,410,000		\$115,680		Mitchell Act
Elochoman	2,410,000		\$115,680		Mitchell Act
N Toutle	2,410,000		\$115,680		Mitchell Act
Kalama Falls	2,410,000		\$187,680		Mitchell Act
Fallert Creek	3,910,000		\$626,400	\$230,400	Mitchell Act
Washougal	17,850,000				
Total	17,850,000		\$626,400	\$230,400	
Number unmarked	5,000,000				1.7M federal prod marked by USFWS
Priest Rapids - URBs	3,250,000				Mitchell Act - marked by ODFW
Ringold - URBs	3,350,000				Mitchell Act
Klickitat	11,600,000				
Total	32,449,000				
Total number currently marked	1,500,000	\$874,368	\$607,260	\$80,256	
Total number DIT marked	1,500,000	\$118,800	\$43,200	\$0	
Total	1,500,000	\$993,168	\$650,460	\$80,256	
Additional number needed to be marked	17,850,000	\$0	\$626,400	\$230,400	

WDFW MASS MARKING 2006

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1/26/2006

COHO

Program	Number	State	Federal	Local	Comments
Puget Sound					
Total number currently marked	9,078,000	\$305,424	\$130,320	\$0	Additional marking by tribes
Additional number needed to be marked	0				
Number not marked	600,000				Conservation program
Coast					
Total number currently marked	5,370,000	\$233,760	\$24,000	\$0	Additional marking by tribes
Additional number needed to be marked	0				
Number not marked	0				
Columbia River					
Total number currently marked	8,632,000	\$0	\$185,153	\$228,240	
Additional number needed to be marked	0				
Number not marked	100,000				Conservation program
	2,400,000				Harvest allocation issue
Statewide					
Total number currently marked	23,080,000	\$539,184	\$339,473	\$228,240	\$154,320 Tribal offset, \$185,153 Mitchell
Total number DIT marked	525,000	\$40,500	\$16,200	\$0	
Total		\$579,684	\$355,673	\$228,240	
Additional number needed to be marked	0				