



FISH PASSAGE CENTER

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MEMORANDUM

TO: Pete Hassemer, IDFG

Michele DeHart

FROM: Michele DeHart

DATE: December 10, 2014

RE: NPCC Fish and Wildlife Program hatchery production reporting requirement

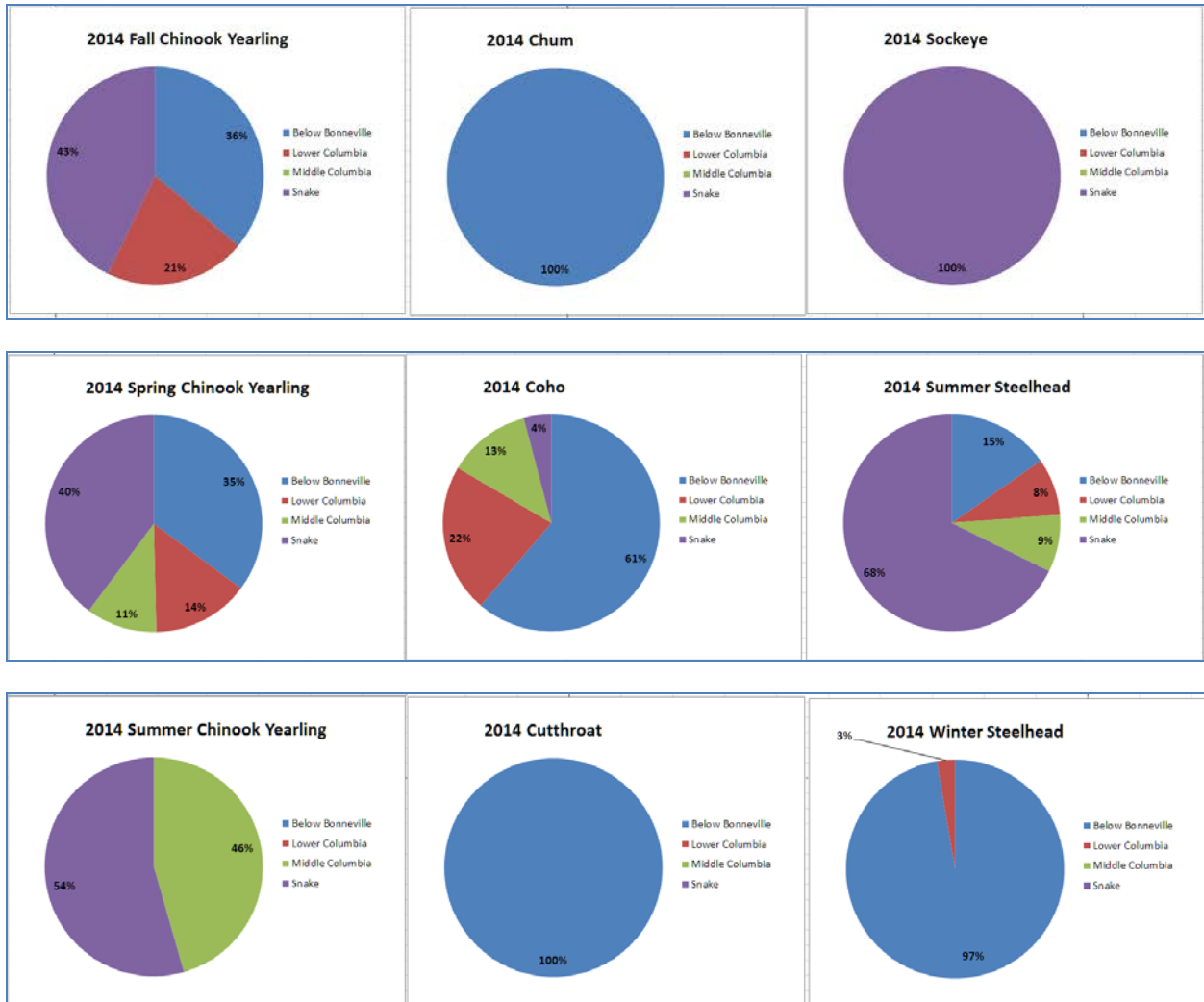
In response to your request the FPC staff reviewed the hatchery production reporting requirement contained in the NPCC Fish and Wildlife Program Appendix L, Council topic-specific tracking (page 108). Item 2 in this section requires annual reports on the number of juvenile fish released each year by Bonneville and the hatchery managers. This report required by the NPCC Program is easily generated each year by the Fish Passage Center. The FPC maintains a map-based database of releases from anadromous hatcheries in the basin; the releases are reported to the FPC annually by the entities managing the hatcheries. The FPC staff has developed the following examples of annual reporting of 2014 hatchery releases for your review. These are just a few examples of how the release information can be grouped and summarized. Each of the examples does report all of the information available (at the time the report was generated) for each report category, and thus may satisfy the Council's reporting requirement. Other reporting options are available, such as reporting only specific hatchery sites, major population groups, etc. The FPC staff can work with the Council to specify the reporting format that best satisfies the Council's needs.

In the following reports, the abbreviations used are as follows:

Miscellaneous Terms	Definitions
0	Subyearling
1	Yearling
NFH	National Fish Hatchery
Race Code	
SP	Spring - Chinook
SU	Summer - Chinook and Steelhead
FA	Fall - Chinook
WI	Winter - Steelhead
SO	South - Coho
NO	North - Coho
UN	Unknown
Species Code	
CH	Chinook
ST	Steelhead
CO	Coho
SO	Sockeye
CM	Chum
CT	Sea-run Cutthroat Trout

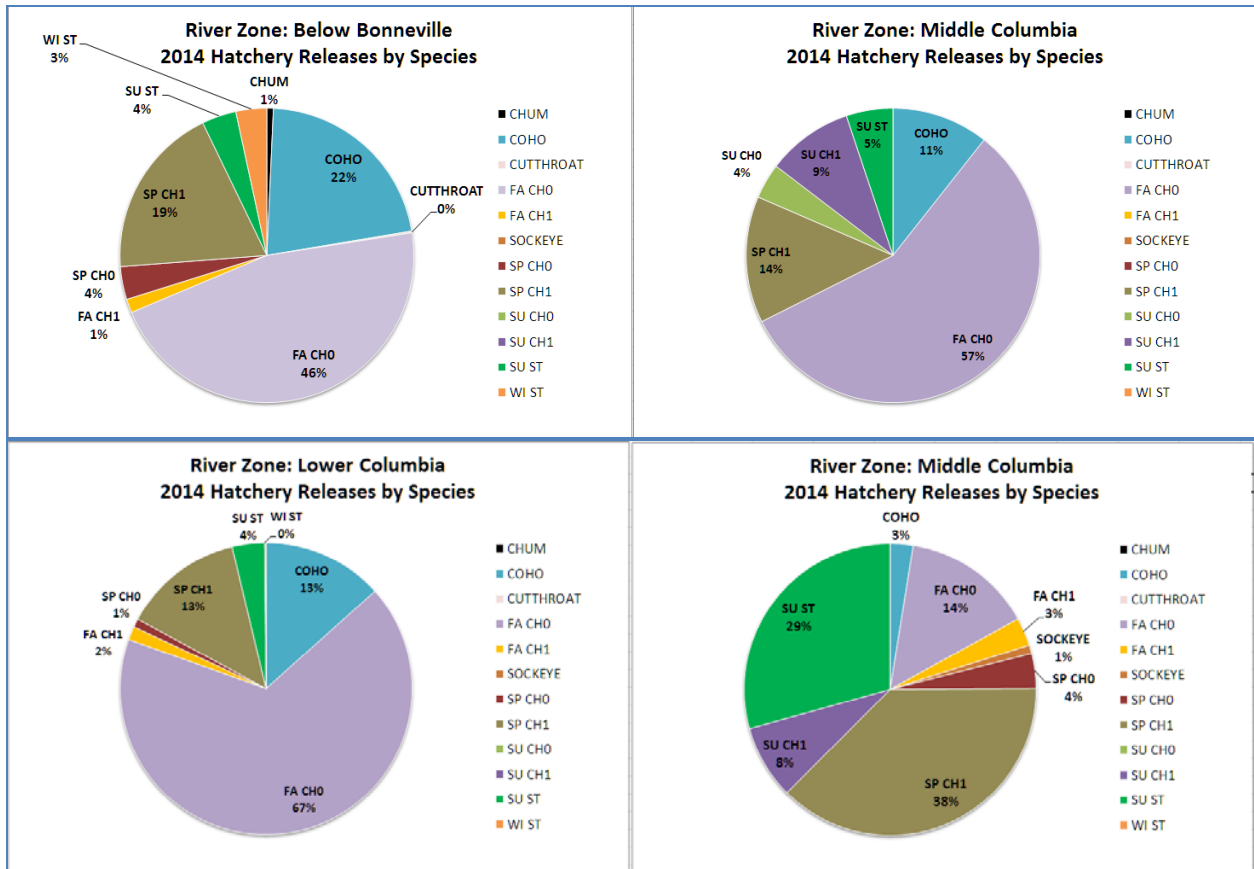
River Zone	River Zone Name	Boundaries
BBON	Below Bonneville Dam Columbia River	Mouth of Columbia River to Bonneville Dam
LCOL	Lower Columbia River	Above Bonneville Dam to McNary Dam
MCOL	Mid-Columbia River	Above McNary Dam to Chief Joseph Dam
SNAK	Snake River	Snake River

2014 Hatchery Releases by Species and River Zone



2014 Total Hatchery Releases By Species

Species	Race	River Zone	Total Released
Chinook Subyearling	Fall	Below Bonneville	25,708,395
Chinook Subyearling	Fall	Lower Columbia	21,927,894
Chinook Subyearling	Fall	Middle Columbia	13,071,539
Chinook Subyearling	Fall	Snake	4,605,190
Chinook Subyearling	Spring	Below Bonneville	2,011,710
Chinook Subyearling	Spring	Lower Columbia	303,404
Chinook Subyearling	Spring	Snake	1,225,290
Chinook Subyearling	Summer	Middle Columbia	889,929
Chinook Yearling	Fall	Below Bonneville	839,727
Chinook Yearling	Fall	Lower Columbia	490,695
Chinook Yearling	Fall	Snake	996,437
Chinook Yearling	Spring	Below Bonneville	10,601,907
Chinook Yearling	Spring	Lower Columbia	4,365,100
Chinook Yearling	Spring	Middle Columbia	3,194,349
Chinook Yearling	Spring	Snake	11,996,502
Chinook Yearling	Summer	Middle Columbia	2,177,927
Chinook Yearling	Summer	Snake	2,604,926
Chum		Below Bonneville	397,099
Coho		Below Bonneville	12,056,949
Coho		Lower Columbia	4,371,766
Coho		Middle Columbia	2,443,312
Coho		Snake	807,613
Cutthroat		Below Bonneville	105,671
Sockeye		Snake	297,244
Steelhead	Summer	Below Bonneville	2,110,705
Steelhead	Summer	Lower Columbia	1,174,525
Steelhead	Summer	Middle Columbia	1,181,177
Steelhead	Summer	Snake	9,353,258
Steelhead	Winter	Below Bonneville	1,895,477
Steelhead	Winter	Lower Columbia	51,987



2014 Total Hatchery Releases By River Zone

RIVER ZONE	CM	CO	CT	FA CHO	FA CH1	SO	SP CHO	SP CH1	SU CHO	SU CH1	SU ST	WI ST
BON	397,099	12,056,949	105,671	25,708,395	839,727		2,011,710	10,601,907			2,110,705	1,895,477
LCOL		4,371,766		21,927,894	490,695		303,404	4,365,100			1,174,525	51,987
MCOL		2,443,312		13,071,539				3,194,349	889,929	2,177,927	1,181,177	
SNAK	807,613		4,605,190	996,437	297,244	1,225,290	11,996,502		2,604,926	9,353,258		

2014 Total Hatchery Releases by Hatchery

River Zone	Hatchery	Species	Race	Total Released
BBON	Beaver Creek Hatchery	ST	SU	32,490
BBON	Beaver Creek Hatchery	ST	WI	94,535
BBON	Big Creek Hatchery	CH0	FA	2,837,900
BBON	Big Creek Hatchery	CM		100,863
BBON	Big Creek Hatchery	CO		537,811
BBON	Big Creek Hatchery	ST	WI	60,139
BBON	Bonneville Hatchery	CH0	FA	4,466,592
BBON	Bonneville Hatchery	CO		521,326
BBON	Clackamas Hatchery	CH1	SP	709,927
BBON	Clackamas Hatchery	ST	SU	191,819
BBON	Clackamas Hatchery	ST	WI	157,276
BBON	Clatsop County Fisheries	CH0	FA	2,091,461
BBON	Clatsop County Fisheries	CH1	SP	2,245,366
BBON	Clatsop County Fisheries	CO		2,663,627
BBON	COOP (WA Dept. F&W Co-op)	CH0	FA	1,474,577
BBON	COOP (WA Dept. F&W Co-op)	CH1	SP	55,554
BBON	COOP (WA Dept. F&W Co-op)	CO		1,007,397
BBON	COOP (WA Dept. F&W Co-op)	CT		9,990
BBON	COOP (WA Dept. F&W Co-op)	ST	SU	10,000
BBON	Cowlitz Salmon	CH0	FA	3,153,131
BBON	Cowlitz Salmon	CH0	SP	1,071,282
BBON	Cowlitz Salmon	CH1	SP	1,667,125
BBON	Cowlitz Salmon	CO		2,069,654
BBON	Cowlitz Trout	CT		95,681
BBON	Cowlitz Trout	ST	SU	618,681
BBON	Cowlitz Trout	ST	WI	734,685
BBON	Eagle Creek NFH	CO		350,000
BBON	Eagle Creek NFH	ST	WI	100,000
BBON	Enhancement Program	CH0	FA	21,064
BBON	Enhancement Program	CH1	SP	215,000
BBON	Enhancement Program	CO		7,105
BBON	Enhancement Program	ST	WI	50,000
BBON	Fallert Creek Hatchery	CH0	FA	3,745,970
BBON	Fallert Creek Hatchery	CH1	SP	247,014
BBON	Fallert Creek Hatchery	CO		131,287
BBON	Fallert Creek Hatchery	ST	SU	47,985
BBON	Fallert Creek Hatchery	ST	WI	26,631
BBON	Gnat Creek Hatchery	CH1	SP	150,834
BBON	Gnat Creek Hatchery	ST	WI	40,993

River Zone	Hatchery	Species	Race	Total Released
BBON	Grays River Hatchery	CM		151,567
BBON	Grays River Hatchery	CO		155,000
BBON	Grays River Hatchery	ST	WI	40,000
BBON	Kalama Falls Hatchery	CH0	FA	3,318,625
BBON	Kalama Falls Hatchery	CH1	SP	123,671
BBON	Kalama Falls Hatchery	CO		587,208
BBON	Kalama Falls Hatchery	ST	SU	68,294
BBON	Kalama Falls Hatchery	ST	WI	115,538
BBON	Klaskanine Hatchery	CH0	FA	1,628,072
BBON	Klaskanine Hatchery	CH1	FA	839,727
BBON	Klaskanine Hatchery	CO		732,994
BBON	Klaskanine Hatchery	ST	WI	41,268
BBON	Leaburg Hatchery	ST	SU	107,628
BBON	Lewis River Hatchery	CH1	SP	1,086,637
BBON	Lewis River Hatchery	CM		98,586
BBON	Lewis River Hatchery	CO		1,569,706
BBON	Marion Forks Hatchery	CH0	SP	120,428
BBON	Marion Forks Hatchery	CH1	SP	1,365,024
BBON	Marion Forks Hatchery	ST	SU	124,030
BBON	McKenzie Hatchery	CH0	SP	200,000
BBON	McKenzie Hatchery	CH1	SP	755,571
BBON	Merwin Hatchery	ST	SU	249,200
BBON	Merwin Hatchery	ST	WI	129,731
BBON	North Toutle Hatchery	CO		886,211
BBON	Roaring River Hatchery	ST	SU	157,128
BBON	Sandy Hatchery	CO		202,169
BBON	Sandy Hatchery	ST	SU	79,958
BBON	Sandy Hatchery	ST	WI	161,786
BBON	Skamania Hatchery	ST	SU	97,680
BBON	Skamania Hatchery	ST	WI	142,895
BBON	South Santiam Hatchery	CH0	SP	300,000
BBON	South Santiam Hatchery	CH1	SP	197,382
BBON	South Santiam Hatchery	ST	SU	189,500
BBON	Speelyai Hatchery	CH1	SP	65,012
BBON	Speelyai Hatchery	CO		480,500
BBON	Washougal Hatchery	CH0	FA	2,971,003
BBON	Washougal Hatchery	CM		46,083
BBON	Washougal Hatchery	CO		154,954
BBON	Willamette Hatchery	CH0	SP	320,000
BBON	Willamette Hatchery	CH1	SP	1,717,790
BBON	Willamette Hatchery	ST	SU	136,312

River Zone	Hatchery	Species	Race	Total Released
LCOL	Bonneville Hatchery	CH0	FA	623,162
LCOL	Bonneville Hatchery	CH1	FA	490,695
LCOL	Carson NFH	CH1	SP	1,129,229
LCOL	Cascade Hatchery	CO		1,005,626
LCOL	Klickitat Hatchery	CH0	FA	4,000,000
LCOL	Klickitat Hatchery	CH1	SP	549,000
LCOL	Klickitat Hatchery	CO		926,000
LCOL	Little White Salmon NFH	CH0	FA	4,406,392
LCOL	Little White Salmon NFH	CH1	SP	875,801
LCOL	Opal Springs Hatchery	ST	SU	9,507
LCOL	Parkdale Acclim. Pond	CH1	SP	74,412
LCOL	Parkdale Acclim. Pond	ST	WI	51,987
LCOL	Round Butte Hatchery	CH0	SP	303,404
LCOL	Round Butte Hatchery	CH1	SP	339,493
LCOL	Round Butte Hatchery	ST	SU	881,176
LCOL	Skamania Hatchery	ST	SU	124,500
LCOL	Spring Creek NFH	CH0	FA	10,753,340
LCOL	Umatilla Hatchery	CH1	SP	543,537
LCOL	Umatilla Hatchery	ST	SU	159,342
LCOL	Warm Springs NFH	CH1	SP	711,328
LCOL	Washougal Hatchery	CO		2,440,140
LCOL	Willard Hatchery	CH0	FA	2,145,000
LCOL	Willard Hatchery	CH1	SP	122,800
LCOL	Wizard Falls Hatchery	CH1	SP	19,500

River Zone	Hatchery	Species	Race	Total Released
MCOL	Carson NFH	CH1	SP	175,750
MCOL	Cascade Hatchery	CO		351,986
MCOL	Chelan Hatchery	CH1	SU	566,188
MCOL	Chief Joseph Hatchery	CH0	SU	445,676
MCOL	Chief Joseph Hatchery	CH1	SU	44,000
MCOL	Chiwawa Hatchery	CH1	SP	222,505
MCOL	Chiwawa Hatchery	ST	SU	204,520
MCOL	Cle Elem Hatchery	CH1	SP	806,120
MCOL	COOP (WA Dept. F&W Co-op)	CH0	FA	23,447
MCOL	COOP (WA Dept. F&W Co-op)	CH0	SU	617
MCOL	Eagle Creek NFH	CO		492,253
MCOL	Eastbank Hatchery	CH1	SU	550,877
MCOL	Eastbank Hatchery	ST	SU	25,316
MCOL	Entiat Hatchery	CH1	SU	386,569
MCOL	Leavenworth NFH	CH1	SP	1,200,000
MCOL	Lyons Ferry Hatchery	ST	SU	248,959
MCOL	Marion Drain Hatchery	CH0	FA	247,000
MCOL	Methow Hatchery	CH1	SP	229,974
MCOL	Methow Hatchery	CH1	SU	197,391
MCOL	Methow Hatchery	ST	SU	157,503
MCOL	Priest Rapids Hatchery	CH0	FA	7,266,713
MCOL	Prosser Acclim. Pond	CH0	FA	2,172,000
MCOL	Prosser Acclim. Pond	CO		373,545
MCOL	Ringold Springs Hatchery	CH0	FA	3,362,379
MCOL	Ringold Springs Hatchery	ST	SU	142,991
MCOL	Similkameen Hatchery	CH1	SU	114,000
MCOL	Wells Hatchery	CH0	SU	443,636
MCOL	Wells Hatchery	CH1	SU	318,902
MCOL	Wells Hatchery	ST	SU	252,888
MCOL	Willard Hatchery	CO		946,151
MCOL	Winthrop NFH	CH1	SP	560,000
MCOL	Winthrop NFH	CO		279,377
MCOL	Winthrop NFH	ST	SU	149,000

River Zone	Hatchery	Species	Race	Total Released
SNAK	Bonneville Hatchery	CH0	SP	290
SNAK	Bonneville Hatchery	CH1	SP	271
SNAK	Clearwater Hatchery	CH1	SP	2,401,813
SNAK	Clearwater Hatchery	CH1	SU	492,243
SNAK	Clearwater Hatchery	ST	SU	848,715
SNAK	Dworshak NFH	CH0	SP	600,000
SNAK	Dworshak NFH	CH1	SP	2,317,149
SNAK	Dworshak NFH	CO		328,523
SNAK	Dworshak NFH	ST	SU	2,228,021
SNAK	Eagle Creek NFH	CO		479,090
SNAK	Eagle Hatchery	SO		420
SNAK	Hagerman NFH	ST	SU	1,334,177
SNAK	Irrigon Hatchery Complex	CH0	FA	1,315,540
SNAK	Irrigon Hatchery Complex	ST	SU	1,121,592
SNAK	Kooskia NFH	CH1	SP	628,007
SNAK	Lookingglass Hatchery	CH1	SP	1,211,191
SNAK	Lyons Ferry Hatchery	CH0	FA	1,839,644
SNAK	Lyons Ferry Hatchery	CH1	FA	996,437
SNAK	Lyons Ferry Hatchery	ST	SU	382,509
SNAK	Magic Valley Hatchery	ST	SU	1,550,246
SNAK	McCall Hatchery	CH1	SU	1,142,854
SNAK	Nez Perce Tribal Hatchery	CH0	FA	1,450,006
SNAK	Nez Perce Tribal Hatchery	CH0	SP	625,000
SNAK	Nez Perce Tribal Hatchery	CH1	SP	269,000
SNAK	Niagara Springs	ST	SU	1,838,239
SNAK	Oxbow-Oregon	SO		122,404
SNAK	Pahsimeroi Hatchery	CH1	SU	969,829
SNAK	Rapid River Hatchery	CH1	SP	3,090,047
SNAK	Sawtooth Hatchery	CH1	SP	1,932,483
SNAK	Sawtooth Hatchery	SO		174,420
SNAK	Tucannon Hatchery	CH1	SP	146,541
SNAK	Tucannon Hatchery	ST	SU	49,759