

# PSC – SFEC Regional Coordination Work Group

2012 Update to Mark Committee

by Ron Olson, NWIFC

# Primary Duties of SFEC

- Serve as clearinghouse for coordination and reporting on MM and MSF programs
- Provide advice to the PSC regarding potential adverse impacts of MM and MSFs on the CWT program
- Assess and monitor the cumulative impacts of MSFs on stocks of concern to the PSC
- Review MM and MSF proposals



# Primary RCWG Tasks

- Annual Coordination Report
  - Documentation of MM, DIT, MSF, and CWT Sampling Activities
- SFEC Annual Review of MM Proposals
  - Determine potential impacts on sampling and tagging programs, and suggest modifications.
- Coordinate and report on continuing research on ETD and MM technologies

# Membership of the RCWG

## Canada

Cheryl Lynch<sup>a</sup>, CDFO

## U.S.

Ron Olson<sup>a</sup>, NWIFC

George Nandor, PSMFC

Ron Josephson, ADFG

Marianne McClure, CRIFC

Mark Kimbel, WDFW

Carrie Cook-Tabor, USFWS

Ken Johnson, ODFW

<sup>a</sup> *Co-Chairs*

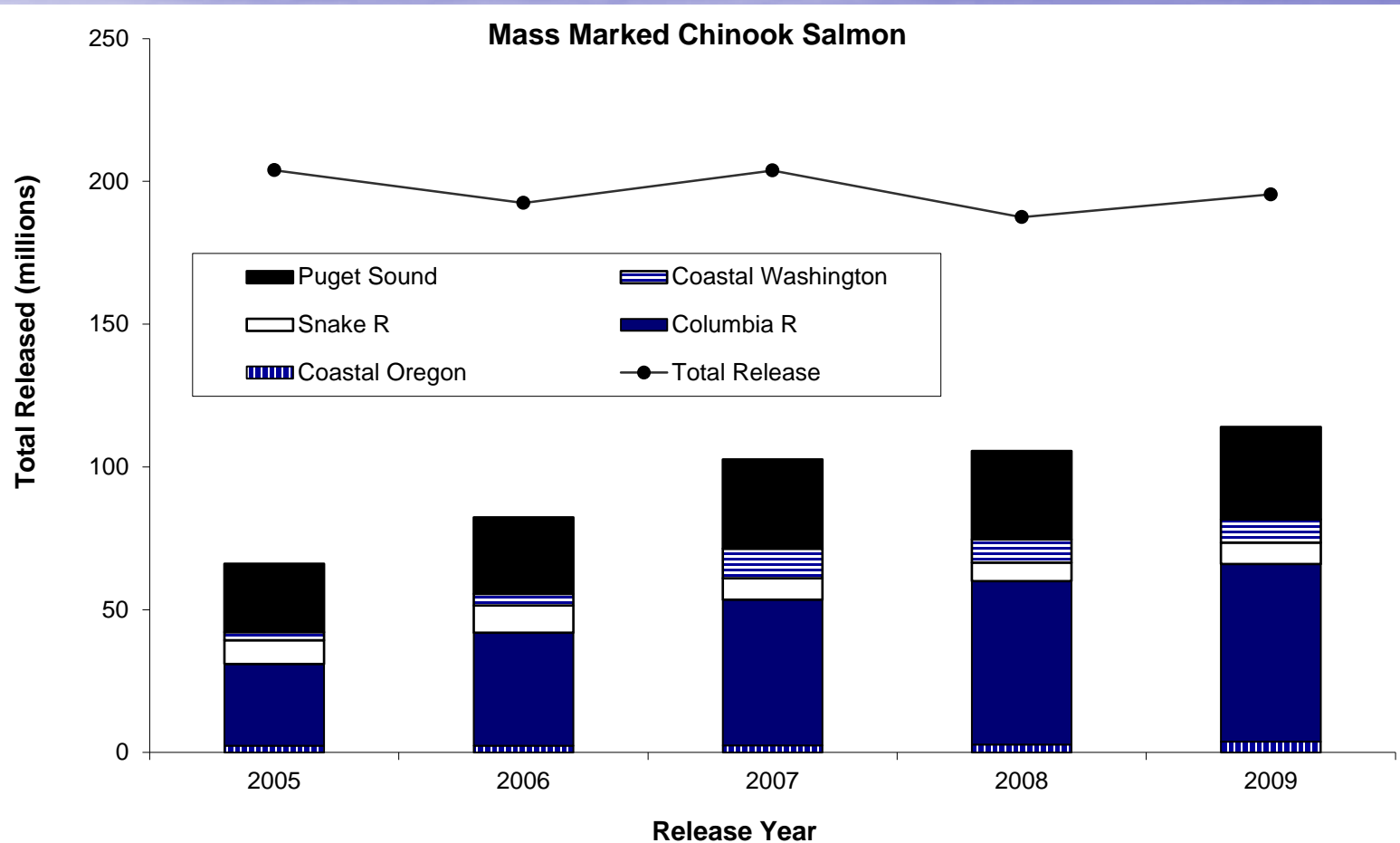


# Annual Coordination Report for 2005 - 2009

## Summary MM Activities & MSFs Conducted

- MM releases
- DIT groups
- CWT sampling methods
- DIT Escapement sampling
- MSF Results
- MM trailers and ETD developments
- Data quality control

# MM Data



# Tables of DIT Release History

Table 2-13. Chinook double index tag (DIT) groups by stock and region released.

<b>Area</b>	<b>Natural/Unmarked Stock Representation</b>	<b>DIT Stock</b>	<b>Hatchery</b>	<b>Release Years With DIT</b>
Southern BC	Lower Fraser fall	Chilliwack late fall	Chilliwack R	99-09
	Interior Fraser summer	Lower Shuswap summer	Shuswap R	99-03
	East Vancouver Island fall	Cowichan R	Cowichan R	98
Puget Sound	Nooksack River spring	Nooksack spring	WDFW Kendall Cr	04-09
	Skagit River springs	Skagit spring yearlings	WDFW Marblemount	00-09



# Tables of all DIT Release Codes

Chinook double index tag (DIT) groups by stock and region release

				Tag Code by Release Year					
				2005		2006		2007	
Area	Natural/ Unmarked Stock Representation	DIT Stock	Hatchery	Marked	Unmarked	Marked	Unmarked	Marked	Unmarked
Southern BC	Lower Fraser	Chilliwack	Chilliwack	185026	185027	185030	185241	185710	185659
				185028	185029	185032	185154	185658	185609
				185042	185041	185240	185239	185706	185607
				185044	185043	185238	185031	185708	185657



# Tables of CWT Sampling Methods

**Table 3-2. (Continued) Coho DIT escapement sampling methods for return years 2005-2009.**

Area	Stock Representation	DIT Stock	Hatchery	Location	Detection Method	Tags Processed	Rack Count or Escapement Estimate	CWT Expanded	In RMIS
WA Coast	North Coast	Makah (Sooes)	Makah NFH	Rack	Electronic	Subsample	Y	Y	Y
				River	Electronic	none	Y	N	N
		Sol Duc	WDFW Sol Duc	Rack	Electronic	All	Y	Y	Y
				River	Electronic	All	Y	Y	Y

# Tables of Mark Selective Fisheries

- Time, Area, Regulations
- Fishery Monitoring Conducted
  - Estimated catch
  - Estimated mark rate
  - CWT sampling
  - Encounter estimation

# Review of 2012 MM Proposals

- MM scope and trends
- DIT Coverage
- CWT Sampling methods
- Impacts of MM on agency sampling programs



# Coho Mass Marking Proposals

Area	Agency	DIT Group	2011 MM (millions)	2012 MM (millions)
Southern BC	CDFO	2	6.0	6.0
Puget Sound	WDFW/Tribes	7	11.1	10.7
	USFWS	1	0.3	0.3
WA Coast	USFWS	2	0.7	0.8
	WDFW/Tribes	4	4.4	4.5
Columbia River	USFWS	1	0.3	0.3
	WDFW	2	8.5	7.6
	ODFW	0	4.9	4.9
OR Coast	ODFW	0	0.4	0.5
Total		21	36.7	35.6

Area	Run	Agency	DIT Groups	2011 MM (Millions)	2012 MM (Millions)
Puget Sound	Spr -Sum	WDFW & Tribal	3	2.8	2.8
	Fall	WDFW & Tribal	5	30.7	28.9
WA Coast	Spring	WDFW	0	0.3	0.3
	Fall	USFWS	0	1.9	2.3
		WDFW & Tribal	2	8.1	7.7
OR Coast	Spring	ODFW	0	2.5	2.5
	Fall	ODFW	0	1.6	1.4
Columbia Basin	Spring	ODFW	0	4.9	4.7
		WDFW	1	2.6	3.9
	Fall Tule	USFWS	1	11.3	11.2
		WDFW	0	20.6	20.0
		ODFW	1	7.9	7.9
	Fall URB	WDFW	1	8.4	8.7
		ODFW	0	4.3	4.3
		USFWS	1	1.6	1.6
Total			16	110.9	109.4



# Coho CWT Sampling Methodologies

Region	Fishery	Sampling Type
Alaska	All	Visual
Northern BC	Commercial	Visual
	Sport	Voluntary (Visual)
West Coast Van. Is.	Commercial	Electronic
	Sport	Voluntary (Visual)
Strait of Georgia	Commercial	Electronic
	Sport	Voluntary (Visual)
Puget Sound	All	Electronic
Washington Coast	All	Electronic
Oregon Coast	Commercial	Electronic
	Sport	Electronic
Columbia Basin	Commercial	Electronic
	Sport	Electronic
California	All	Visual



# Chinook CWT Sampling Methodologies

Region	Fishery	Sampling Type
Alaska	All	Visual
Northern BC	Commercial	Electronic
	Sport	Voluntary (Visual)
Southern BC.	Commercial	Electronic
	Sport	Voluntary (Visual)
Puget Sound	All	Electronic
Washington Coast	All	Electronic
Columbia Basin	Commercial	Electronic / ODFW Visual for Falls
	Sport	Electronic
Oregon Coast	Commercial	Electronic
	Sport	Electronic
California	All	Visual

# Projected Sampling Encounters of 2012 Marked & Untagged Chinook

State/Province	# Fish Encountered
Alaska	8,100
British Columbia	23,500
California	3,800



# Summary of Review (RCWG only)

- Total proposed MM remains constant - 35 million coho and 109 million Chinook
- Need for new Chinook DITs
  - Primarily in Columbia basin, for Ocean MSFs
- Sampling methodologies continue to differ by agency and are not coordinated with MM and DIT.
  - ETD needs to be implemented by ODFW in 2012 for Columbia R. fall Chinook fisheries and escapement to recover DITs.





# The End