

**2nd NWFSC Science Symposium
February 24-25, 2009
Montlake Auditorium**

24-Feb	Time		Speaker	Title	Division
Welcome & Keynote Address	8:00	8:10	Usha Varanasi	Welcome	SD
	8:10	8:40	Michelle McClure	Keynote Address	CB/OMI
Session 1: Climate Change	8:40	9:00	Tim Beechie	Restoration strategies to increase salmon resilience to climate change	EC
	9:00	9:20	Lisa Crozier	Predicting effects of freshwater climate change with life-cycle models of spring Chinook salmon	FE
	9:20	9:40	Penny Swanson	Canaries in the sea: monitoring physiological status of fish in the context of environmental conditions	REUT
	9:40	10:00	Peter Lawson	Tempo and mode: possible effects of climate change on variability in ocean environments and salmon survival	CB
	10:00	10:20	Vera Trainer	Climate impacts on harmful algal blooms in Puget Sound	EC
Break AM	10:20	10:40			
Session 2: Research HiLights I	10:40	11:00	Gary Winans	Multivariate characterization of anadromous and resident <i>O. mykiss</i> : three dam scenarios	CB
	11:00	11:20	Dan Bottom	Role of the Columbia River estuary in salmon recovery	FE
	11:20	11:40	Gina Yitalo	Ageing cetaceans by fatty acid analysis: a major advance in conservation biology	EC
	11:40	12:00	Marla Holt	How noise exposure affects the vocal behavior of Southern Resident killer whales	CB
	12:00	12:20	Nick Tolimieri	Home range size and patterns of space use by lingcod, copper rockfish and quillback rockfish in Puget Sound in relation to diel and tidal cycles	FRAM
Lunch	12:20	1:00			
Session 3: Ecosystem Research	1:00	1:20	Mark Scheuerell	Quantitative approaches for identifying species interactions and resilience in marine ecosystems	FE
	1:20	1:40	Barry Berejikian	An ecosystem-scale assessment of abundance and life history diversity in Threatened <i>Oncorhynchus mykiss</i>	REUT
	1:40	2:00	Anne Guerry	Ecosystem Services Provided by the Nearshore in Puget Sound: An Analysis of Change	CB
	2:00	2:20	Jason Cope	A descriptive example of applying vulnerability evaluation criteria to California nearshore species	FRAM
	2:20	2:40	Sandie O'Neill	Developing environmental indicators for Puget Sound	EC
Break PM	2:40	3:00			
Session 4: RapidFire I	3:00	4:30			
		1	Andrew Dittman	Molecular correlates of olfactory imprinting in Pacific salmon	REUT
		2	Ewann Berntson	Deep-water coral DNA sequence repository for species from the NE Pacific	CB
		3	Linda Rhodes	Evaluating the microbial composition of the sea surface microlayer and killer whale breath	REUT
		4	Keith Bosley	Reproductive parasitism of lithodid crabs by snailfishes off the western U.S.	FRAM
		5	Anna Kagley	Puget Sound Chinook salmon residency and habitat selection using acoustic tags	FE
		6	Regan McNatt	Residence time of juvenile Chinook salmon in the Columbia River estuary	FE
		7	Lyndal Johnson	Juvenile salmonid surveys in the Lower Columbia	EC
		8	Laurie Weitkamp	Pacific salmon on the brink of ocean entry: new insight from the Columbia River estuary	CB
		9	Isaac Kaplan	Evaluating ecological and economic impacts of individual quotas for the groundfish trawl fleet	FRAM
		10	Karma Norman	Assessing institutional designs for managing water supplies across the Puget Sound	CB
		11	Curtis Roegner	Restoration of salmon habitat in tidal wetland habitats: an example from the Grays River tributary of the lower Columbia River	FE
	12	Mark Myers	Improved flatfish health after remediation of a Superfund site	EC	

25-Feb-09	Time		Speaker	Title	Division
Sesion 5: Research HiLights II	8:30	8:50	Don Larsen	Hatchery-induced life history variation in Columbia River Chinook salmon.	REUT
	8:50	9:10	Melissa Haltuch	The promise and pitfalls of using climate data in fish stock assessment	FRAM
	9:10	9:30	Dezhang Chu	Acoustics: an advanced remote sensing technology in fisheries surveys	FRAM
	9:30	9:50	Ric Brodeur	Understanding dynamics of the California Current ecosystem	FE
	9:50	10:10	Rohinee Paranjpye	The enigma of <i>Vibrio parahaemolyticus</i> outbreaks in the Pacific Northwest	REUT
Break AM	10:10	10:30			
session 6 RapidFire II	10:30	11:30			
		1	Jon Lee	Acoustic tracking of hatchery-reared lingcod in Puget Sound	REUT
		2	Megan Moore	Early marine survival and behavior of steelhead (<i>Oncorhynchus mykiss</i>) smolts through Hood Canal and the Strait of Juan de Fuca.	REUT
		3	Nat Scholz	Pesticides as a limiting factor for salmon recovery in the western U.S.	EC
		4	Eli Holmes	Super-crunching multi-species monitoring data	CB
		5	Chris Harvey	Effects of temperature change on demersal fishes in the California Current: a bioenergetics approach.	FRAM
		6	Jim Hastie	Rebuilding depleted West Coast groundfish species: management actions and early results	FRAM
		7	John Incardona	A new paradigm for oil toxicity: the fish heart as a target	EC
	8	Sandy Downing	Adult PIT detection in the JDA River	FE	
Poster Session/ Lunch	11:30	1:00			
All Hands Meeting (closed to public)	1:15	1:20	Usha Varanasi	Introduction	
	1:20	1:30	Michelle McClure	Strategic Science and Research Plan Background	
	1:30	2:00	John Stein (moderator)	Implementing the Plan	
			Usha Varanasi	NWFSC Executive Council Chair	
			John Stein	NWFSC Executive Panel Chair	
			Tom Hom	NWFSC Education and Outreach Team Chair	
			Michelle McClure	NWFSC Research Council Chair	
			Brendan Sylvander	Demo of NWFSC Project Database	
	2:00	2:30	All	Questions from staff	
	2:30	2:45	Usha Varanasi	Looking Forward- Budget and Leadership	
				2009 Budget Outlook	
				NOAA and NMFS Leadership Update	
				Building Leadership Opportunities at the NWFSC	
	2:45	3:00	All	Questions from staff	