

MARINE SCIENCE

in the Northeast Pacific:
Science for Resource Dependent Communities

JANUARY 13-17, 2003

HOTEL CAPTAIN COOK
ANCHORAGE, AK

JOINT SCIENCE SYMPOSIUM

Exxon Valdez Oil Spill Trustee Council

GLOBEC - Northeast Pacific Program

Steller Sea Lion Investigations

North Pacific Research Board

North Pacific Marine Research Institute

Pollock Conservation Cooperative Studies



SUMMARY OF CONFERENCE EVENTS

<i>Monday January 13</i>	<i>Tuesday January 14</i>	<i>Wednesday January 15</i>	<i>Thursday January 16</i>	<i>Friday January 17</i>
<p>7:30a.m.–8:30 am Registration 8:30a.m. Opening/Plenary Session 10:30a.m. – 11:00a.m. Break 11:00a.m. Plenary Session 12:30p.m. – 1:30p.m. Lunch provided – Keynote Address 1:30p.m. Plenary Session 3:00p.m. – 3:30p.m. Break 3:30p.m. Plenary Session 5:00p.m. – 7:30p.m. Reception and poster session</p>	<p>7:30a.m. – 8:00a.m. Registration continues 8:00a.m. Plenary Session 9:30a.m. – 9:45a.m. Break 9:45a.m. Concurrent Sessions – Endeavor, Fore Deck, Adventure 12:00p.m. – 1:30p.m. Lunch provided – Keynote Address 1:30p.m. Concurrent Sessions – Endeavor, Fore Deck, Adventure 3:00p.m. – 3:30p.m. Break 3:30p.m. Concurrent Sessions – Endeavor, Fore Deck, Adventure 5:00p.m. – 6:00p.m. EVOS Public Advisory Committee – Endeavor</p>	<p>8:00a.m. Concurrent Sessions – Endeavor, Voyager, Quadrant, Fore Deck, Adventure, Resolution 10:00a.m. – 10:30a.m. Break 10:30a.m. Concurrent Sessions – Endeavor, Voyager, Quadrant, Fore Deck, Adventure, Resolution 12:00p.m. – 1:30p.m. Lunch provided – Keynote Address 1:30p.m. Concurrent Sessions – Fore Deck, Endeavor, Quadrant, Voyager, Resolution 3:00p.m. – 3:30p.m. Break 3:30p.m. Concurrent Sessions – Endeavor, Fore Deck, Adventure, Quadrant, Voyager, Resolution</p>	<p>8:00a.m. Concurrent Sessions – Endeavor, Fore Deck, Adventure, Resolution 10:00a.m. – 10:30a.m. Break 10:30a.m. Concurrent Sessions – Endeavor, Fore Deck, Adventure, Resolution 12:00p.m. – 1:00p.m. Lunch provided – Keynote Address 1:00p.m. Concurrent Sessions – Endeavor, Fore Deck, Adventure, Voyager, Quadrant, Resolution 3:00p.m. – 3:30p.m. Break 3:30p.m. Concurrent Sessions – Endeavor, Fore Deck, Adventure, Voyager, Quadrant</p>	<p>8:00a.m. Concurrent Sessions – Endeavor, Fore Deck, Adventure 9:00a.m. – 5:00p.m. PCCRC Advisory Board Annual Meeting, off site 10:00a.m. – 10:30a.m. Break 10:30a.m. Concurrent Sessions – Endeavor, Fore Deck, Adventure 12:00p.m. GLOBEC and EVOS/ NPRB adjourn 12:00p.m. – 1:00p.m. Lunch on your own 1:00p.m. – 5:00p.m. SSLI work sessions - Whitby, Resolution</p>

Monday, January 13, 2003

Plenary Session (Fore Deck)

- 7:30 – 8:30 Registration
- 8:30 – 9:00 Welcome and Introductory Remarks
Molly McCammon (EVOS Trustee Council), Jack Phelps (Office of the Governor), Clarence Pautzke (NPRB),
Hal Batchelder (GLOBEC), Lowell Fritz (SSLI), and Heather McCarty (PCCRC)
- 9:00 – 9:45 *Order and chaos: the physical structure of the Gulf of Alaska shelf/slope ecosystem*
Thomas Weingartner (University of Alaska Fairbanks) GLOBEC
- 9:45 – 10:30 *Planktonic processes in the coastal Gulf of Alaska: interconnections with weather, ocean conditions, and salmon
production*
Suzanne Strom (Western Washington University) GLOBEC
- 10:30 – 11:00 Break
- 11:00 – 11:45 *Dancing with Mother Nature: the search for mechanisms in the juvenile pink salmon ecosystem - a Prince
William Sound case history*
Ted Cooney (University of Alaska Fairbanks) EVOS
- 11:45 – 12:30 *Bottom-up and top-down processes in ecosystem management*
Douglas DeMaster (Alaska Fisheries Science Center) SSLI
- 12:30 – 1:30 Lunch provided: *The role of NOAA fisheries in Alaska marine science*
Dr. William Hogarth, Assistant Administrator NOAA Fisheries
- 1:30 – 2:15 *Juvenile salmon migrations along the continental shelf in the Gulf of Alaska*
Jack Helle (National Marine Fisheries Service) GLOBEC
- 2:15 – 3:00 *From physics to fish: the global climate connection to the Gulf of Alaska ecosystem*
Franklin Schwing (Pacific Fisheries Environmental Laboratory) GLOBEC

- 3:00 – 3:30 Break
- 3:30 – 4:15 *Scientific review of the harvest strategy currently used in the Bering Sea/Aleutian Islands and Gulf of Alaska groundfish fishery management plans*
Daniel Goodman (Montana State University) SSLI
- 4:15 – 5:00 *Past and present fluctuations in fish stocks: what do they mean for management today*
Bruce Finney (University of Alaska Fairbanks) EVOS/GEM
- 5:00 – 7:30 Reception and Poster Session

Tuesday, January 14, 2003

Plenary Session (Fore Deck)

- 7:30 – 8:00 Registration continues
- 8:00– 8:45 *Monitoring changes in fisheries production: using vessels of opportunity*
David Welch (Canadian Department of Fisheries & Oceanography) GEM/NPRB
- 8:45 – 9:30 *Conducting marine research in a resource-dependent community: the role of outreach*
Kate Wynne (Fisheries Industrial Technology Center) SSLI/PCCRC
- 9:30 – 9:45 Break

	<i>GLOBEC-I</i> Adventure Room	<i>SSLI-I: Predation</i> Fore Deck	<i>EVOS/NPRB: Marine Research</i> Endeavor Room
9:45 – 10:00	(nothing scheduled)	<i>Pacific sleeper shark predation -</i> Leland Hulbert, et al	<i>Synthesis of lingering oil research I: bioavailability of PAH from oil patches and impacts to prey species -</i> Jeep Rice, et al

	GLOBEC-1 Adventure Room	SSLI-1: Predation Fore Deck	EVOS/NPRB: Marine Research Endeavor Room
10:00 –10:15	<i>Workshop Introduction/Overview/Structure</i> - Hal Batchelder	<i>Transient killer whales in Southeast Alaska</i> - Janice Straley, et al	<i>Synthesis of lingering oil research II: links to effects to otters and harlequin ducks</i> - Brenda Ballachey, et al
10:15 – 10:30	<i>Ocean climate conditions during GLOBEC Northeast Pacific Program (NEP) Long Term Observing Program (LTOP)</i> – Tom Royer	<i>Northern Gulf of Alaska killer whales</i> - Craig Matkin, et al	<i>Testing archival tag technology on Alaska salmon and steelhead</i> – Christian Zimmerman
10:30 –10:45	<i>Overview of shelf transports in the Gulf of Alaska</i> – Phyllis Stabeno	<i>Dietary specialization in killer whales in Western Alaska</i> - Lance Barrett-Lennard, et al	<i>Factors governing pink salmon survival in Prince William Sound</i> - Richard Thorne
10:45 – 11:00		<i>Distribution and ecotype of killer whales in southwestern Alaska</i> – Paul Wade, et al	<i>Role of disease in limiting recovery of the Pacific herring population in Prince William Sound</i> – Gary Marty
11:00 –11:15	<i>Seaglider surveys of the Alaska Coastal Current</i> - Craig Lee	SSLI-2: Diseases, Parasites, and Contaminants	<i>Coordination and planning for herring research</i> - Brenda Norcross
		<i>Monoclonal antibodies against Steller sea lion immunoglobulins</i> - Jennifer Colvocoresses, et al	
11:15 –11:30	<i>Seasonal and spatial dynamics of plankton communities on the Gulf of Alaska shelf</i> - Evelyn Lessard	<i>Effects of parasites on Steller sea lions</i> - Michelle Moore and J. Frank Morado	<i>Using voucher specimens to detect biogeographic patterns in Southcentral Alaskan seaweeds</i> - Gayle Hansen
11:30 –11:45	<i>Seasonal cycles of nitrate concentrations on the Gulf of Alaska shelf from the GAK4 mooring</i> - Terry Whittedge	<i>Parasites of fishes near Steller sea lion haulouts</i> - Adam Moles	<i>Two species of rougheye rockfish in the Northern Gulf of Alaska</i> - A. J. Gharrett
11:45 –12:00	General discussion	<i>PCB concentrations in Steller sea lion tissues</i> - Shannon Atkinson, et al	<i>Alaska salmon shark assessment project</i> - Lee Hulbert

12:00 – 1:30

Lunch provided:

Canada's coasts under stress

Dr. Rosemary Ommer (University of Victoria) GLOBEC FOCUS 4

	GLOBEC-2 Adventure Room	SSLI-3A: Climate Change Fore Deck	EVOS/NPRB: Citizen Monitoring and Community Involvement Endeavor Room
1:30 – 1:45	<i>Seasonality in planktonic communities in the coastal Gulf of Alaska</i> - Suzanne Strom	<i>Changes in the Gulf of Alaska associated with 1975-76 regime shift</i> - Antonietta Capotondi, et al	<i>Effectiveness of Citizens' Environmental Monitoring Program</i> - Sue Mauger
1:45 – 2:00	<i>Annual cycle of zooplankton abundance, biomass and production on the northern Gulf of Alaska shelf, Oct. 1997-Oct. 2000</i> - Ken Coyle	<i>Environmental conditions and variability: I. model results</i> - Wieslaw Maslowski, et al (II. POSTER: Okkonen et al.)	<i>Tribal natural resource stewardship and meaningful tribal involvement in GEM</i> - Patty Brown-Schwalenberg
2:00 – 2:15	<i>A comparison of copepod egg production rates in the Gulf of Alaska</i> - Russ Hopcroft	<i>Effects of climate change on Gulf of Alaska circulation</i> - Arthur Miller, et al	<i>Evaluating the feasibility of developing a community-based forage fish sampling project for GEM</i> - Dave Roseneau
2:15 – 2:30	<i>Secondary production and advection of shelf zooplankton in a predominantly downwelling ecosystem</i> - Jeff Napp	<i>Climate variability in the Northeast Pacific and Bering Sea</i> - Tom Royer, et al	<i>Voices from the resource dependent community</i> - Ken Adams
2:30 – 2:45	<i>Patterns of fish food source generation and utilization in the northern Gulf of Alaska and Prince William Sound region</i> - Tom Kline	<i>Trends in abundance of ichthyoplankton species in the Gulf of Alaska</i> - Miriam Doyle, et al	<i>Coastal habitat mapping in the Gulf of Alaska</i> - John Harper
2:45 – 3:00	<i>Seasonal and annual patterns of abundance and size of juvenile pink salmon on the shelf of the northern Gulf of Alaska</i> - Lew Haldorson	<i>Community dynamics in the Gulf of Alaska under climate regimes</i> - Paul Anderson	<i>Nearshore circulation in the Bering Sea: toward community-based oceanographic research</i> - Dave Musgrave

3:00 – 3:30 Break

	GLOBEC-3	SSLI-3B: Climate Change	EVOS/NPRB: Citizen Monitoring and Community Involvement
	Adventure Room	Fore Deck	Endeavor Room
3:30 – 3:45	<i>Factors affecting the distribution of juvenile salmon in the Gulf of Alaska</i> - Ned Cokelet	<i>Variability in prey quality</i> - Johanna Vollenweider and Ron Heintz	¹ <i>Community involvement planning in the GEM region</i> - Marilyn Sigman and Joe Spaeder
3:45 – 4:00	<i>Diagnosis of coastal Gulf of Alaska air-sea interactions using a high resolution numerical weather prediction model</i> - Nick Bord	<i>Review of regime shift/junk food hypothesis</i> - Lowell Fritz and Sarah Hinckley	Followed by discussion and work session with public and EVOS Public Advisory Committee
4:00 – 4:15	<i>Nested biophysical modeling of the coastal Gulf of Alaska: inferences from recent circulation results</i> - Al Hermann	<i>Patterns of walleye pollock recruitment</i> - Lorenzo Ciannelli, et al	
4:15 – 4:30	<i>Comparison of the coastal Gulf of Alaska circulation (3-km grid) to GLOBEC data</i> - Dave Musgrave	<i>Inverse regimes and dynamics of high trophic level consumers</i> - John Piatt, et al	
4:30 – 4:45	<i>Progress in 3-dimensionalization of GLOBEC coastal Gulf of Alaska NPZ model and other aspects of CGOA NPZ modeling</i> - Sarah Hinckley	<i>Competitive interactions: Steller sea lions and sharks</i> - Vincent Gallucci, et al	
4:45 – 5:00	General discussion	General discussion	
5:00 – 6:00	(nothing scheduled)		

Wednesday, January 15, 2003

	GLOBEC Adventure Room Voyager Room Quadrant Room	SSLI-5: Fish and Fisheries Fore Deck	EVOS/NPRB: Physical Processes and Modeling Endeavor Room	GEM Nearshore Data Collection Resolution Room
8:00 – 8:15	(nothing scheduled)	<i>Overlap between Steller sea lions and trawl fisheries - Edward Greg and Andrew Trites</i>	<i>Mapping the physics and physical processes of marine habitats: the first step in a spatially nested monitoring program - Carl Schoch</i>	² <i>GEM nearshore planning data needs workshop (GEM Project 030687) - Jim Bodkin and Tom Dean</i>
8:15 – 8:30		<i>Localized fisheries and Steller sea lion abundance - Kristen Ryding, et al</i>	<i>Interannual variability in the Gulf of Alaska plankton populations determined from ship of opportunity sampling - Sonia Batten</i>	
8:30 – 8:45	Breakout Group Discussions	<i>Cod studies in Unimak Pass - M. Elizabeth Connors, et al</i>	<i>Integration of marine bird and mammal observations with the CPR (NPRB) - Bill Sydeman</i>	
8:45 – 9:00	- Group A1. 2003 Field Season Logistics - Group A2. Modeling the CGOA	<i>Prey discrimination using acoustic backscatter - Elizabeth Logerwell and Christopher Wilson</i>	<i>A monitoring program for near-surface temperature, salinity, and fluorescence fields in the Northeast Pacific Ocean - Steve Okkonen</i>	
9:00 – 9:15		<i>Acoustic characteristics of forage fish - Stephane Gauthier and John Horne</i>	<i>Exchange between Prince William Sound and the Gulf of Alaska - Shari Vaughan</i>	
9:15 – 9:30		<i>Spatial variability in Gulf of Alaska fish standing stocks - Evelyn Brown, et al</i>	<i>Simulation of seasonal variability of the ocean circulation in the Gulf of Alaska - Jia Wang</i>	

	GLOBEC Adventure Room Voyager Room Quadrant Room	SSLI-5: Fish and Fisheries Fore Deck	EVOS/NPRB: Physical Processes and Modeling Endeavor Room	GEM Nearshore Data Collection Resolution Room
9:30 – 9:45	(continued)	<i>Socioecological change in the Aleutian Islands - Marie Lowe</i>	<i>North Pacific ecosystem metadata base: information for scientific and community collaboration and advancement (NPRB) – Allen Macklin and Bern Megrey</i>	(continued)
9:45 – 10:00		SSLI-6: Population/Dispersal <i>2002 Alaska Steller sea lion surveys - John Sease and Charles Stinchcomb</i>	<i>Detecting change in the Bering Sea ecosystem: a new classification technique for the Aleutian Low (NPRB) - Sergei Rodionov</i>	

10:00 – 10:30 Break

	GLOBEC Adventure Room Voyager Room Quadrant Room	SSLI-6: Population/Dispersal Fore Deck	EVOS/NPRB: Birds and Mammals Endeavor Room	GEM Nearshore Data Collection Resolution Room
10:30 – 10:45	Group Discussions (topics are suggestions only) - Group B1. Ecosystem	<i>Genetic variability and Steller sea lion population structure - John Bickham and Tom Loughlin</i>	<i>Differential response of seabirds to fluctuations in prey density - John Piatt</i>	(continued)

	GLOBEC Adventure Room Voyager Room Quadrant Room	SSLI-6: Population/Dispersal Fore Deck	EVOS/NPRB: Birds and Mammals Endeavor Room	GEM Nearshore Data Collection Resolution Room
10:45 – 11:00	Responses to Large Scale Climate Shifts - Group B2. Mesoscale	<i>Eastern Steller sea lion population status</i> - Ken Pitcher, et al	<i>Modeling diet composition of free-ranging Steller sea lions using quantitative fatty acid signature analysis</i> (NPRB) - Lorrie Rea	(continued)
11:00 – 11:15	Forcing Patterns and Responses - Group B3. GLOBEC Guidance for	<i>2002 West Bering Sea/Kamchatka Steller sea lion survey</i> - Vladimir Burkanov, et al	<i>Harlequin duck population dynamics</i> - Dan Rosenberg	
11:15 – 11:30	Resource Management - Group B4. Modeling the CGOA (if not held earlier as A2)	<i>Studies of branded Steller sea lion pups at Lowrie Island</i> - Kelly Hastings and Tom Gelatt	<i>Bering Sea right whales: acoustic recordings and public outreach</i> (NPRB) - Lisa Munger	
11:30 – 11:45		<i>Dispersal of juvenile Steller sea lions in Alaska</i> - Kimberley Raum-Suryan, et al		
11:45 – 12:00		<i>Molecular genetics to estimate dispersal between rookeries</i> - Greg O’Corry Crowe, et al	<i>Life history and population dynamics of resident killer whales in Alaska</i> - Craig Matkin, et al	

12:00 – 1:30 Lunch provided: *SFOS: partnering with government and industry to meet Alaska's marine research needs*
Vera Alexander (SFOS University of Alaska Fairbanks)

	GLOBEC	SSLI-7: Population and Bioenergetic Modeling Fore Deck	EVOS/NPRB	PWSRCAC	Video Viewing	PCCRC
			Endeavor Room	Quadrant Room	Voyager Room	Resolution Room
1:30 – 1:45	Poster viewing time	<i>Age structure to detect impacts on population - Anne York and Eli Holmes</i>	³ Remote sensing workshop	⁴ Prince William Sound modeling workshop	Imperiled Otters of the Aleutians (KTOO-TV & Defenders of Wildlife) – 28 min.	<i>DNA analysis of the origins of chinook salmon bycatch in Alaskan trawl fisheries - A.J. Gharrett</i>
1:45 – 2:00		<i>Spatial coherence and density dependence - Daniel Hennen</i>				
2:00 – 2:15		<i>Bayesian approach to PVA - Arliss Winship and Andrew Trites</i>				
2:15 – 2:30		<i>Bayesian stochastic metapopulation model - Gavin Fay and Andre Punt</i>				
2:30 – 2:45		<i>Modeling Steller sea lion energetics in OR - Maria Garcia Malavear and David Sampson</i>				
2:45 – 3:00		<i>Steller sea lion modeling workshop - Bernard Megrey and Sarah Hinckley</i>				
					Our Alutiiq Journey (EVOS) – 27 min.	<i>The quality of commercial fish species in Steller sea lion habitat units - Robert Foy</i>
					Steller Sea Lion: Employing Technology for Conservation (NOAA) – 17 min.	<i>Analysis of hydrographic data collected by the Pollock Conservation Cooperative in the Bering Sea - David Musgrave</i>

3:00 – 3:30 Break

	GLOBEC Adventure Room	SSLI-8: Diet Fore Deck	EVOS/NPRB Endeavor Room	PWSRCAC Quadrant Room	Video Viewing Voyager Room	PCCRC Resolution Room
3:30 – 3:45	- Plenary Summaries of Breakout Group Discussion (A's. B's above) (10 min. each) - Strategy for Thursday Breakout Group Discussion (20-30 min.)	<i>Isotope analyses and diet history - Sean Farley, et al</i>	(continued)	(continued)	The Science of Marine Reserves (PISCO and NCEAS) – 17 min.	<i>Capture and short-term holding of juvenile Steller sea lions - Jo- Ann Mellish</i>
3:45 – 4:00		<i>How many scats is enough? - Andrew Trites and Ruth Joy</i>				
4:00 – 4:15		<i>Diet quantification - Dorn Tollit, et al</i>				Coral Gardens of the Aleutians (NOAA) – 6 min.
4:15 – 4:30		<i>Size of pollock and Atka mackerel eaten by western Steller sea lions - Tonya Zeppelin, et al</i>				
4:30 – 4:45		<i>Size of pollock eaten by Steller sea lions in Southeast Alaska – Susan Heaslip, et al</i>				
4:45 – 5:00		<i>Optimal foraging or prey selection – B. Wilson, et al</i>				

Thursday, January 16, 2003

	GLOBEC Adventure Room	SSLI-9: Transmitter Developments Fore Deck	EVOS/NPRB Endeavor Room	PCCRC Resolution Room
8:00 – 8:15	<p>(<i>Note:</i> Schedule for Thursday will be determined at the end of Wednesday’s session; below is a template for what might occur)</p> <p>8:30 – 10:00 Continued Discussion of 2003 Field Season Logistics (as needed)</p>	<i>Foraging behavior instrumentation development</i> - Russel Andrews	<p>⁵EVOS STAC/Habitat Subcommittee Discussion: GEM planning</p>	(nothing scheduled)
8:15 – 8:30		<i>Transmitter implant methodology</i> - Albert Nelson and Robert Heath		
8:30 – 8:45		SSLI-10: Nutrition & Hormones	<p>The current version of the GEM Science Plan is available at http://www.oilspill.state.ak.us/gem/documents.html</p>	<p><i>Sinking particles and pelagic food webs in the Southeast Bering Sea</i> - Susan Henrichs</p>
8:45 – 9:00		<i>Stress response from implantation</i> - Lisa Petrauskas, et al		
9:00 – 9:15		<i>Hormones as indicators of well-being</i> - Matthew Myers, et al		
9:15 – 9:30		<i>Adrenal activity in Steller sea lions</i> - Kendall Mashburn and Shannon Atkinson		<p><i>Deployment of an acoustic data logger on commercial fishing vessels to evaluate the potential of fishing-induced declines in local pollock abundance</i> - Vidar Weststad</p>
9:30 – 9:45		<i>Retinol, tocopherol, and lipids in Steller sea lions</i> - Lisa Mazzaro, et al		
9:45 – 10:00		<i>Timing of moulting in Steller sea lions</i> - Raychelle Daniel and Andrew Trites		
	<i>Food intake and physiological consequences</i> - David Rosen, et al	(nothing scheduled)		

10:00 – 10:30 Break

	GLOBEC Adventure Room	SSLI-11: Feeding/Diving Ontogeny Fore Deck	EVOS/NPRB Endeavor Room	PCCRC Resolution Room
10:30 – 10:45	Continued Discussion of 2003 Field Season	<i>Fatty acid levels and age at weaning</i> - Lorrie Rea	(continued)	<i>Keeping Mooring 2 alive: continuing long-term biophysical measurements over the Southeastern Bering Sea shelf</i> - Terry Whitledge
10:45 – 11:00	Logistics (if needed, otherwise poster viewing time)	<i>Fasting capabilities of weaned Steller sea lions</i> - Dawn Noren		
11:00 – 11:15		<i>Juvenile foraging ecology and survival</i> - Julie Richmond, et al		<i>An examination of the maturation of walleye pollock in the eastern Bering Sea in relation to temporal and spatial factors</i> - Gordon Kruse
11:15 – 11:30		<i>Diving behavior and physiology in juvenile Steller sea lions</i> - Jennifer Burns, et al		
11:30 – 11:45		<i>Immature Steller sea lion diving behavior</i> - Thomas Loughlin, et al		<i>Shallow water nearshore fish assemblages around Steller sea lion haulouts near Kodiak, Alaska</i> - Cathy Hegwer
11:45 – 12:00		<i>Effects of fish density and accessibility on Steller sea lion foraging</i> - Gary Thomas and Richard Thorne		

12:00 – 1:00 Lunch provided: *Alaska SeaLife Center's research program*
Shannon Atkinson (Alaska SeaLife Center and University of Alaska Fairbanks)

	GLOBEC Adventure Room Voyager Room Quadrant Room	SSLI-12A: Kodiak and CGOA Fore Deck	EVOS/NPRB Endeavor Room	PCCRC Resolution Room
1:00 – 1:15	(nothing scheduled)	<i>Physico-chemical studies on the Gulf of Alaska shelf</i> - Phyllis Stabeno, et al (POSTER: Kachel, et al)	(continued)	(nothing scheduled)

	GLOBEC Adventure Room Voyager Room Quadrant Room	SSLI-12A: Kodiak and CGOA Fore Deck	EVOS/NPRB Endeavor Room	PCCRC Resolution Room	
1:15 – 1:30	(nothing scheduled)	<i>Circulation modeling of central Gulf of Alaska</i> - Albert Hermann, et al	(continued)	(nothing scheduled)	
1:30 – 1:45	Breakout Group Discussions Opportunity for subsets of SIs to discuss and outline collaborative interdisciplinary publications	<i>Climate, hydrography and zooplankton</i> - Matthew Wilson, et al		Jellyfish impact on food web production and ecosystem structure in the Southeastern Bering Sea - Alan Springer	
1:45 – 2:00		<i>Nearshore fishes around Kodiak haulouts</i> - Cathy Hegwer, et al			
2:00 – 2:15		<i>Fishing and pollock interactions</i> - Christopher Wilson, et al			Pollock market data acquisition: future Russian pollock supply - Gunnar Knapp
2:15 – 2:30		<i>Distribution of pollock and capelin</i> - Anne Hollowed, et al			
2:30 – 2:45		<i>Distribution and quality of fish in Kodiak Steller sea lion critical habitat</i> - Robert Foy			
2:45 – 3:00		<i>Juvenile Steller sea lion behavior in relation to prey</i> - Brian Fadely, et al			

3:00 – 3:30

Break

	GLOBEC Adventure Room Voyager Room Quadrant Room	SSLI 12B: Kodiak and CGOA Fore Deck	EVOS/NPRB Endeavor Room
3:30 – 3:45	OPEN for General Discussion (Plenary) or smaller Breakout Group discussion	<i>Availability and use of prey by Steller sea lions</i> - Robert Foy and Kate Wynne	(continued)
3:45 – 4:00		<i>Seasonal prey use by Steller sea lions</i> - Kate Wynne	
4:00 – 4:15		<i>Seabirds as indicators of marine conditions</i> - C. Loren Buck, et al	

	GLOBEC Adventure Room Voyager Room Quadrant Room	SSLI-13: Prince William Sound Fore Deck	EVOS/NPRB Endeavor Room
4:15 – 4:30	(continued)	<i>Steller sea lion population trend in Prince William Sound - Ken Pitcher and John Sease</i>	(continued)
4:30 – 4:45		<i>Relationship between Steller sea lions and herring – Richard Thorne and Gary Thomas</i>	
4:45 – 5:00		SSLI-13A: Diseases, Parasites, and Contaminants	
		<i>Effects of contaminants on immune function and health of Steller sea lions - Kimberlee Beckmen, et al</i>	

Friday, January 17, 2003

PCCRC Advisory Board Annual Meeting, off site, 9 a.m. to 5 p.m.

	GLOBEC Adventure Room	SSLI-14: Southeast Alaska Fore Deck	EVOS/NPRB Endeavor Room
8:00 – 8:15	(nothing scheduled)	<i>Ecology of eulachon - Robert Spangler and K Koski</i>	⁶ CAOS Steering Committee Meeting (Coastal Alaska Observatory System) presentations and discussion
8:15 – 8:30		<i>Spawning fish aggregations are seasonal feasts for Steller sea lions - Jamie Womble, et al</i>	

	GLOBEC Adventure Room	SSLI-14: Southeast Alaska Fore Deck	EVOS/NPRB Endeavor Room
8:30 – 8:45	1. Future NEP Activities a) Special Publications b) Future NEP meeting c) Highlighted NEP sessions at Scientific Meetings d) CGOA, NEP, and GLOBEC Wide Synthesis 2. Status Reports a) Breakout Group Discussion b) 2003 Field Logistics 3. Meeting Wrap up a) Recommendations b) Action Items	<i>Variation in herring energy and fatty acid content - Ron Heintz, et al</i>	(continued)
8:45 – 9:00		<i>Southeast Alaska Steller sea lion prey study - Michael Sigler, et al</i>	
9:00 – 9:15		<i>Steller sea lion diet in Southeast Alaska - Andrew Trites, et al</i>	
9:15 – 9:30		SSLI-15: Chiswell Island	
		<i>Narrowband and broadband acoustic assessment of forage fish - Charles Adams and Ken Coyle</i>	
9:30 – 9:45		<i>Population dynamics, maternal investment and pup mortality of Steller sea lions - John Maniscalco, et al</i>	
9:45 – 10:00		Discussion	

10:00 – 10:30 Break

	GLOBEC Adventure Room	SSLI-16: Aleutian Islands Fore Deck	EVOS/NPRB Endeavor Room
10:30 – 10:45	(continued)	The Aleutian ecosystem - Phyllis Stabeno, et al	(continued)

	GLOBEC Adventure Room	SSLI-16: Aleutian Islands Fore Deck	EVOS/NPRB Endeavor Room
10:45 – 11:00	(continued)	<i>Zooplankton and micronecton in passes</i> - Ken Coyle	(continued)
11:00 – 11:15		<i>Atka mackerel movement and abundance: exclusion zone efficacy</i> - Susanne McDermott and Elizabeth Logerwell	
11:15 – 11:30		<i>Fishing and Atka mackerel interactions</i> - Elizabeth Logerwell and Susanne McDermott	
11:30 – 12:00		Discussion	

12:00 GLOBEC and EVOS/NPRB adjourn

12:00 – 1:00 Lunch on your own

1:00 – 5:00 SSLI work session: Research coordination and permit issues (Whitby Room)
 SSLI work session: Fatty acid research coordination (Resolution Room)

ENDNOTES

¹**Community involvement planning in the GEM region:** The EVOS Trustee Council has funded a planning effort (Project 030575) to help develop community involvement aspects of the GEM program. Project PI Marilyn Sigman and project team member Joe Spaeder will first present a draft framework for a community involvement plan, and then lead a work session on the framework and the development of specifics for a final GEM Community Involvement Plan. The draft framework is available at the registration desk. The EVOS Public Advisory Committee, members of the public, and conference participants are invited to attend and participate in the discussion. The input from this session and from future review opportunities will be used in developing final recommendations for the community involvement aspects of the GEM Program.

²**GEM nearshore planning data needs workshop (GEM Project 030687):** Over the past several years, a conceptual framework for the GEM nearshore monitoring program has been developed through a series of workshops. However, decisions about the monitoring program, e.g. what to sample, where to sample, when to sample and at how many sites, have yet to be made. This project is designed to aid managers in making those decisions. In this project we will provide specific alternatives for monitoring to the EVOS Trustee Council for consideration. As part of this process, two key elements are required before reasoned decisions can be made. These are: 1) a comprehensive historical perspective of locations and types of past studies conducted in the nearshore marine communities within the Gulf of Alaska, and 2) estimates of costs for each element of a proposed monitoring program. We are developing a GIS database that

details available information from past studies of selected nearshore habitats and species in the Gulf of Alaska that provides a visual means of selecting sites based (in part) on the locations for which historical data of interest are available. In addition, we will identify what other data, if any, are required to select specific sampling locations. We will also provide cost estimates for specific monitoring plan alternatives and outline several alternative plans that can be accomplished within reasonable budgetary constraints. We are currently soliciting information on prior studies of selected nearshore resources, including kelps, macro-invertebrates, nearshore marine birds and mammals, contaminants, and human uses and nearshore physical measures that may be included in our project. The intent of the nearshore GEM session is to provide an opportunity for scientists and managers to provide information on potential sources of data or prior studies that may be included in our GIS data base. Contacts Jim Bodkin at James.Bodkin@usgs.gov or Tom Dean at coastal_resources@sbcglobal.net.

³***Remote sensing workshop***: When it comes to remote sensing, Alaska is data-rich, yet information-poor. Although huge amounts of remotely sensed data on physical and biological variables exist, the data typically are not easily accessible nor processed into information useful for scientists seeking to detect and understand change and the relative roles of natural forces and human activities affecting change. At this workshop, you will be asked to help sort the priorities for the GEM Program to best maximize the production and applicability of remote sensing data for use in long-term monitoring and modeling in the northern Gulf of Alaska. What are the long-term indicators of change from both human and natural sources that should be based on remote sensing data? Discussion will include the identification and prioritization of core datasets that systematically address variability at seasonal, annual, decadal to long-term scales, their spatial coverage, desired information products, and tools. Participants will develop strategies and processes for identifying which information products are the most essential for each of the watershed, nearshore, Alaska Coastal Current and offshore habitats of the GEM area (northern Gulf of Alaska), and an implementation plan to guide requests for future proposals (RFP).

⁴***Prince William Sound modeling workshop***: This half-day workshop will bring together area researchers to find ways to share data and coordinate future research efforts through planning and modeling in Prince William Sound. The goals of the workshop are: 1) Understand the rewards, pitfalls and means of sharing data. What kinds of data are available? Who has them? Are the data real-time or not? Are data sharing protocols available and adequate to the task? 2) Develop recommendations for a model or system that will provide the mechanism for sharing past, recently acquired, and future data. Who has the models? What do they provide and how do people access the products? Do they use the same data? What kinds of operating systems and software do they require? 3) Develop ideas on coordinating mechanism for planning for future research among various research organizations. Do we need a standing committee or work group (see Goal 5, below)? MOA? 4) Understand funding opportunities and schedules of availability. 5) Determine the level of interest in forming a work group to follow up on the recommendations of this workshop and to develop a science plan for area marine current data.

⁵***EVOS STAC/Habitat Subcommittee***: The STAC and the GEM Habitat Subcommittee will meet to review comments on the draft GEM Science Plan and to discuss FY 04 GEM research and monitoring goals. The public is welcome to attend this meeting as observers. The current version of the GEM Science Plan is available at <http://www.oilspill.state.ak.us/gem/documents.html>

⁶***CAOS Steering Committee***: CAOS is a consortium of federal/state government agencies, Alaska Native entities, academic institutions, NGOs, and the private sector, newly formed to build a Coastal Alaska Observatory System. The goal of CAOS is to develop a permanent coastal and oceanographic monitoring network across Alaska in order to gather data about marine resources and conditions important to Alaskans and provide informational products for users. These products can be used to better understand how natural and human induced changes to the coastal environment affect ecosystem vitality and dynamics, sustainable fisheries, natural hazards both at sea and to coastal communities, and risks to public health. The public is welcome to attend the steering committee meeting as observers. Please also note that membership in the consortium has not been closed. CAOS is still actively soliciting interested parties to become members.

