School of Fisheries and Ocean Sciences

Degree Candidates

Denis Wiesenburg, Dean

BACCALAUREATE

Lisa Dawn Linnell**
B.S., Fisheries

Andrew John Padilla
B.S., Fisheries

MASTER'S

Mikhail Blikshteyn**
M.S., Fisheries. *B.S., State University of New York, 2000*

Elizabeth Lynn Calvert*
M.S., Fisheries. *B.S., University of New Hampshire, 2000*

Catherine Coon
M.S., Fisheries. *B.S., University of Arizona, 1991*

Casey J. Debenham**
M.S., Marine Biology. *B.S., Long Island University (New York), 2000*

Carrie Lynn Hoover**
M.S., Fisheries. *B.S., Long Island University (New York), 1999*

Janet L. Neilson
M.S., Marine Biology. *B.S., Cornell University (New York), 1993*

Jenny Neyme*
M.S., Fisheries. *B.S., Utah State University, 2000*

Julie Kristine Nielsen**
M.S., Fisheries. *Phi Kappa Phi Honor Society. B.A., Oregon State University, 1992; B.S., University of Alaska Southeast, 2000*

John O'Brien
M.S., Fisheries. *B.S., Northern Arizona University, 1995*

Danielle Renee O'Neil*
M.S., Marine Biology. *B.A., University of California, 1999*

Lisa Petrauskas*
M.S., Marine Biology. *B.S., University of California, 1996*

Candace M. Picco*
M.S., Marine Biology. *B.S., University of British Columbia (Canada), 2000*

Miranda Paige Plumb
M.S., Fisheries. *B.S., University of Montana, 1999*

Nathan James Soboleff
M.S., Fisheries. *B.S., Oregon State University, 2001*

Mark Stichert
M.S., Fisheries. *B.S., University of Wyoming, 1998*

Jamie Thomton**
M.S., Marine Biology. *B.S., Perdue University (Indiana), 1995*

Naoki Tojo
M.S., Fisheries. *B.A., Kinki University (Japan), 1996; B.S., University of Idaho, 2001*

Shiway Wang**
M.S., Marine Biology. *B.S., University of Colorado, 1996*

Joel Benjamin Webb*
M.S., Fisheries. *B.S., University of Washington, 200*

DOCTORAL

Arny L. Blanchard
Ph.D. Marine Biology
B.S., University of Alaska Fairbanks, 1989; M.S., University of Alaska Fairbanks, 1999

Thesis: Retrospective Analysis of Marine Biological Data from Port Valdez, Alaska: A Case Study in Long-term Monitoring
Hypotheses arising from long-term studies of marine biological communities are evaluated and refined through retrospective analyses. Drivers of change identified are the 1964 earthquake and the oil transportation and salmon aquaculture industries. This dissertation should increase the accuracy of ecological models and aid in the management of marine resources.
Major Professors: Dr. Howard Feder and Dr. Susan Hills

Amy Childers **
Ph.D. ***Oceanography***
B.A., Iowa State University, 1998; M.S., University of Alaska Fairbanks, 2001

Thesis: Nutrient Dynamics in the Northern Gulf of Alaska and Prince William Sound: 1998–2001
Nutrient distributions in the Gulf of Alaska and Prince William Sound were examined in an effort to understand the mechanisms underlying the region's high biological productivity. An average annual cycle of nutrient drawdown and replenishment was established amongst a large degree of interannual and spatial (cross-shelf and along-shelf) variability.
Major Professor: Dr. Terry E. Whitledge

Sang Heon Lee **
Ph.D. ***Oceanography***
B.S., Pusan National University (Korea), 1996; M.S., University of Alaska Fairbanks, 2000

Thesis: Current Primary Production Rates of the Western Arctic Ocean Estimated by Stable Carbon and Nitrogen Isotope Tracers
I investigated any change in the primary production rates between current and previous studies and provided the groundwork for the future monitoring of ecosystem response to climate change in the different regions, such as the deep Canada Basin, Barrow, Alaska, and Bering Strait/Chukchi Sea, of the western Arctic Ocean.
Major Professor: Dr. Terry E. Whitledge

John J. Piccolo **
Ph.D. ***Fisheries***

Thesis: The Influence of Water Velocity and Depth on Prey Detection and Capture by Juvenile Coho Salmon and Steelhead: Implications for Habitat Selection and Segregation
I found little difference between coho salmon and steelhead in foraging responses to water velocity and depth. For both species, faster water decreased prey capture probability, and deeper water increased capture rate. I propose that habitat selection and segregation is based on fish size and differences in growth requirements.
Major Professor: Dr. Nicholas F. Hughes