

Independent Projects Conducted by Students in the AERA Class:

1999

Kai Chamberlain: Community analysis of Lake Aleknagik beach seine data
Kirsten Holsman: Genetic differentiation between Bear and Midnight creek sockeye
Mariah Meek: Temperature, ice coverage, and the growth of Iliamna Lake sockeye
Kristi Overberg: Comparison of adult sockeye salmon morphology among rivers
Chris Sarver: Movements of adult sockeye salmon after displacement
Tom Wadsworth: Courtship behavior of adult sockeye salmon

2000:

Cori Collier
Sara Feser: Gull aggregation and predation on adult sockeye salmon
Lucy Flynn: Predicting run size and timing of Bristol Bay sockeye salmon
Calvin Lehman: Inter-annual variation in migration timing of Bristol Bay sockeye salmon
Erin Meehan: Fly maggots and consumption of sockeye salmon carcasses
Jon Wittouck: Selective feeding of sockeye salmon on zooplankton

2001:

Donna Hauser: Haul out patterns and diet of harbor seals in Iliamna Lake
Christina Hoefschmidt: Selective predation on sockeye salmon in A and C creeks
Jeff Jorgensen: The fate of salmon-derived nutrients from two creeks
Jon Scordino: Effects of bear attacks on movements of adult salmon
Kevin Turner: Reproductive behavior of adult sockeye salmon
Anne Williams: Run timing and abundance of sockeye salmon in the Newhalen River

2002:

Michelle Havey: Energetics between sockeye salmon populations
Ranae Holland: Patterns of bear activity on Hansen Creek
Scott Johnson: Female aggression: a study of salmon behavior on the spawning grounds
Sue Johnson: Armored for battle: teeth and skin of sockeye salmon populations
Harry Rich, Jr.: Longevity, mortality, and movement of jacks on the spawning grounds.
Elizabeth Seminet: Fly maggots utilization of salmon carcasses

2003:

K. C. Briggs: Movements of male sockeye on the spawning grounds
Michael Cotter: Diet overlap in juvenile Dolly Varden and coho salmon in streams
Ellie Leonard: Genetic differentiation among sockeye populations
Hillary Marshall: Relationship between gravel and egg size in sockeye populations
Casey Ruff: Diet overlap and prey selectivity of sockeye salmon and 3 spine sticklebacks
Peter Westley: Adipose fins: a sexually selected trait?

2004:

Andrea Jones: Flies and maggots: tissue/diet preferences
Bethany Lee: Age and growth of freshwater mussels in Iliamna Lake
Erin Lowery: Meristic and morphometric comparison of Arctic charr and Dolly Varden

Jennifer Marsh: Diel vertical migration of zooplankton in Iliamna Lake
Brenda Mathis: Plant community composition in riparian zones of a salmon stream
Daniel Okamoto: Community composition of resident stream fishes

2005:

Chris Allen: Alternate reproductive tactics and large and jack sockeye salmon
Anna Buettner: Prevalence and infestation of the parasite *Schistocephalus* in sticklebacks
Tanya Kleisborg: Egg retention and prespawning mortality of female sockeye salmon.
Daniel Luck: Ecology of juvenile coho salmon in Whitefish Creek
Katy Shipe: Effects salmon spawning on the community of stream insects
Jamie Thompson: Abundance and ontogenetic habitat segregation in Dolly Varden char

2006

Eahn Holm: egg size/fecundity tradeoff as a function of age and size in sockeye salmon
Trevor Hutton: scavenging of sockeye salmon by bears
Andy Johnsen: diet and growth of northern pike
Daniel Levin: Wood River adult pink salmon patterns
Andrea Odle: diet of sculpins on Iliamna Lake beaches
Amy Wallace: parasites and the distribution, size and color of threespine sticklebacks

2008

Cathy Chen: infestation rates of threespine sticklebacks by the parasite, *Schistocephalus*
Kristin Omori: relationship between coho salmon fry size and ability to eat sockeye eggs
Leslie Jensen: growth of freshwater mussels in relation to climate variation among years
James Schreck: reduction in male sockeye salmon reproductive success by brown bears
Marissa Smith: effects of digging y sockeye salmon on stream flow and depth
Gretchen Theusen: food habits of northern pike

2010

Hannah Barrett: Attraction of salmonids to the chemical traces of salmon eggs
Brittany Cummings: Effects of spawning salmon on the size of emerging aquatic insects
Ke'ale Louie: Energy content of different tissues of sockeye salmon
Jeanelle Miller: Effect of hyporheic flow on salmon spawning distribution Hansen Creek,
Hannah Stapleton: The effect of cestode parasites on stickleback feeding ecology
Marshall Stephens: Price mediated movement of permits in Alaska's herring fisheries

2012

Brian Harmon: Effects of cestode parasites on sculpin age, growth, and survival
Rosalind Huang: Activity patterns and feeding of Arctic terns at LakeAleknagik
Jenna Keeton: Color change and substrate color preference by sculpins
Jessica Randall: Gradient and sockeye salmon density: Knutson Creek and Iliamna Lake
Brandon Ringstad: Effects of water depth and salmon density on sculpin density
Brendan Smith: Transportation of salmon carcasses into the forest by bears

2014:

Austin Anderson: Habitat features and the distribution of salmonids in Mink Creek

Susan Harris: Spatial distribution of salmon density and bear predation on Hansen Creek
Jordan Lee: Effect of ambient egg density on the catches of juvenile salmonids in traps
Nirupam Nigam: Behavior of gulls at the mouth of Hansen Creek
Kaili Park: Physical habitat features of Iliamna Lake tributaries: Old and new data
Jordan Scheibe: Use of oxygen isotopes and temperature to study stream water sources