

TUESDAY, 2 FEBRUARY 2016	
06:30 - 08:00	<i>Breakfast in Capital Ballroom</i>
08:10 - 08:20	Welcoming Address: Drs. Chris Williams, <i>University of Delaware</i> & Larry Hindman, <i>Maryland Department of Natural Resources</i>
<i>Capital Ballroom</i>	
08:20 - 09:40	A.1: Plenary
8:20	A.1.1: Plenary Dan Ashe The Migratory Bird Treaty at 100: Charting a Course for the Next Century of Bird Conservation (Dan Ashe*)
9:00	A.1.2: Plenary Jerome R. Serie & Robert J. Blohm Migratory Bird Treaty: Legacy and Foundation for Waterfowl Management in North America (Jerome R. Serie*, Robert J. Blohm*, David Sharp)
09:40 - 10:00	<i>Coffee break</i>
<i>Capital Ballroom</i>	
10:00 - 12:00	B.1: Waterfowl Legacies: Pioneering Diplomacy, Science, and Management: Celebrating 100 Years of the Migratory Bird Treaty Act (Organizer: Chris Williams)
10:00	B.1.1: Perry Management Research on Waterfowl Life Cycles, Populations and Energetics (Matthew C. Perry*)
10:25	B.1.2: Fredrickson A Century of Land Management Evolution: From Guess Work to Complex Decision-making in Highly Modified Landscapes Exhibiting Extreme Variability (Leigh H. Fredrickson*, Murray K. Laubhan, Kenneth Higgins, Sammy King)
10:50	B.1.3: Batt Shifting Paradigms for Prairie Habitat Conservation (Bruce Batt*, James K. Ringelman)
11:15	B.1.4: Sedinger, J. Eighty-five Years of Monitoring and Modeling Waterfowl Populations (James S. Sedinger*, Ray T. Alisauskas, James O. Leafloor)
11:40	B.1.5: Anderson Evolving Perspectives on Waterfowl Research and Conservation: Scale, System Integrity and Human Impacts (Michael G. Anderson*, David Trauger)
12:00 - 13:20	<i>Lunch break in Capital Ballroom</i>
<i>Capital ABC</i>	
13:20 - 15:20	C.1: Current Issues in the Conservation and Management of Sea Ducks (Organizer: Chris Dwyer)
13:20	C.1.1: Koneff Prioritizing Research and Monitoring to Improve Sea Duck Harvest Management (Mark D. Koneff*, Chris P. Dwyer, Guthrie S. Zimmerman, Kathleen K. Fleming, Paul I. Padding, Patrick K. Devers, Fred A. Johnson)

Oral Sessions

13:40	C.1.2: Dwyer	Defining Sea Duck Populations: What We Wish We Could Measure and How To Interpret What We Can Measure (John M. Pearce*, Paul. L. Flint, Sarah S. Sonsthagen)
14:00	C.1.3: Rothe	Understanding the Diverse Sea Duck Harvest Communities for Responsive Management and Conservation (Tom Rothe*, Liliana C. Naves)
14:20	C.1.4: McClellan	Identifying Areas of Importance for Sea Ducks Throughout Their Annual Cycle (Nic McLellan*, Tim Bowman, Sean Boyd, Shannon Badzinski, Christine Lepage, Scott Gilliland)
14:40	C.1.5: Silverman	Sea Duck Habitat Associations along the Atlantic Coast of the United States (Emily Silverman*, Anthony Roberts, Kyle Detloff)
15:00	C.1.6: Boyd	Pacific Harlequin Ducks are Altering their Molt Behavior (W. Sean Boyd*)
<i>Capital D</i>		
13:20 - 15:20	C.2: Foraging, Nutrition, and Energetics of Waterfowl: The Foundations of Habitat Management (Organizers: Scott McWilliams, Bruce Dugger)	
13:20	C.2.1: Heitmeyer	Energetics and Nutrition of Migrating and Wintering Dabbling Ducks – What Have We Learned in the Past 50 Years and Where Should Management be Headed (Mickey E. Heitmeyer*)
13:40	C.2.2: Heitmeyer	continued
14:00	C.2.3: Lovvorn	Are Detailed Energetics Studies Needed to Assess Habitat Requirements? Allometry, Mechanistic Models, and Other Confounding Factors (James R. Lovvorn*, Susan E. W. De La Cruz, John Y. Takekawa, Samantha E. Richman)
14:20	C.2.4: Webb	An Empirical Evaluation of Landscape Energetic Models: Mallard and American Black Duck Space Use During the Non-breeding Period (William S. Beatty, Elisabeth B. Webb*, Dylan C. Kesler, Luke W. Naylor, Andrew H. Raedeke, Dale D. Humburg, John M. Coluccy, Gregory J. Soulliere)
14:40	C.2.5: Johns^	Influences of Individual Quality and Energetic Carry-Over Effects on Reproductive Success: Evidence from Dabbling Ducks (David W. Johns*, Robert G. Clark)
15:00	C.2.6: Williams	Improving Bioenergetic Carrying Capacity Estimates by Including Morphometrics in Cost of Thermoregulation (Christopher K. Williams*, Mark C. Livolsi, Scott R. McWilliams)

*Speaker; ^Student

<i>Senate</i>	
13:20 - 15:20	C.3: Breeding Ecology 1 (Chair: Joe Marty)
13:20	C.3.1: Hepp Importance of Reproductive Costs and Quality of Female Wood Ducks on Survival and Future Reproductive Success (Robert A. Kennamer*, Gary R. Hepp*, Bradley W. Alexander)
13:40	C.3.2: Dyson^ Habitat Selection and Survival of Female Wood Ducks and Ducklings at Long Point, Ontario (Matthew E. Dyson*, Ted Barney, Hugh A.L. Henry, Michael L. Schummer, Scott A. Petrie)
14:00	C.3.3: Hartke A Breeding Population Survey for Western Gulf Coast Mottled Ducks (Kevin M. Hartke*, Larry A. Reynolds, Kathy Fleming)
14:20	C.3.4: Carrlson Duck Brood Abundance in the Prairie Pothole Region of North and South Dakota (Kaylan M. Carrlson*, C. Tanner Gue, Johann A. Walker, Charles R. Loesch)
14:40	C.3.5: Eichholz Area Sensitivity of Productivity in Mixed Grass Prairie Upland Nesting Ducks (Mike Eichholz*, Ryan D. Haffel)
15:00	C.3.6: Feldheim Ecology of Breeding Mallards in California: a Synthesis of Existing Information, and the Challenges of Harvest Management at a Local Scale (Cliff L. Feldheim*, Joshua T. Ackerman, Joseph P. Fleskes, Shaun L. Oldenburger, Gregory S. Yarris)
<i>Caucus</i>	
13:20 - 15:20	C.4: Climate Change (Chair: Lena Vanden Elsen)
13:20	C.4.1: Guillemain Combined Effects of Climate Change and Fluctuating Habitat Quality on the Distribution of Ducks in Southern Europe (Matthieu Guillemain*, Jocelyn Champagnon, Claire A. Pernollet, Olivier Devineau, Johan Elmberg, François Cavallo, Grégoire Massez)
13:40	C.4.2: Nilsson Changes in Numbers and Distribution of Wintering Waterbirds in Sweden 1966 – 2015 (Leif Nilsson*)
14:00	C.4.3: Vanden Elsen^ Factors Influencing Autumn-Winter Distributions of Dabbling Ducks in The Atlantic and Mississippi Flyways (Lena M. Vanden Elsen*, Michael L. Schummer, Scott A. Petrie, Christopher G. Guglielmo)
14:20	C.4.4: Schummer Weather Severity Indices for Estimating Influences of Climate on Autumn-Winter Distributions of Waterfowl and Hunter Opportunity and Satisfaction (Michael L. Schummer*, Michael Notaro, Lena M. Vanden Elsen, John Collucy, Michael Mitchell, and Robb Macleod)

Oral Sessions

14:40	C.4.5: Beaman[^]	Implications of Climate Change for Land Use and Waterfowl Productivity in Prairie Canada (Benjamin C. Beaman*, Benjamin S. Rashford, David W. Howerter, Christopher T. Bastian, Timothy J. Robinson)
15:00	C.4.6: Baranyuk	Current Status of Lesser Snow Geese on Wrangel Island, Russia (Vasilij V. Baranyuk*)
15:20 -15:40		<i>Coffee break</i>
<i>Capital ABC</i>		
15:40 - 17:40		D.1: Current Issues in the Conservation and Management of Sea Ducks (Organizer: Chris Dwyer)
15:40	D.1.1: Hindman	Avian Cholera Epizootics in Sea Ducks and Sea Birds On Chesapeake Bay (Larry J. Hindman*, Gary Costanzo, William F. Harvey, Mark A. Wilson)
16:00	D.1.2: Spragens	San Francisco Bay Diving Duck Ecology: Distribution, Movements and the Unknown (Kyle A. Spragens*, Susan E.W. De La Cruz, Lacy M. Smith, Stacy M. Moskal, John Y. Takekawa, Cheryl Strong, Orien Richmond)
16:20	D.1.3: Wiese	Are Common Eider Nest Predators Limiting Species Recovery? (Wilhelm L. Wiese*, Christopher J. Latty)
16:40	D.1.4: Bowman	What Tools Do We Have for Sea Duck Conservation and What Constituencies Do We Need to Engage? (Tim Bowman*, Christine Lepage, John Takekawa)
17:00	D.1.5: Bowman	continued
17:20	D.1.6: Dwyer	Industrial Interests within Arctic and Marine Environments of Importance to Sea Ducks (James Woehr*, Mary Boatman, H. Grant Gilchrist) Are We Addressing the Right Things at the Right Scale? (Chris Dwyer*)
<i>Capital D</i>		
15:40 - 17:40		D.2: Foraging, Nutrition, and Energetics of Waterfowl: The Foundations of Habitat Management (Organizers: Scott McWilliams, Bruce Dugger)
15:40	D.2.1: Guillemain	Foraging, Nutrition, and Energetics of Waterfowl: A European Perspective (Matthieu Guillemain*, Claire A. Pernollet, Céline Arzel, Johan Elmberg, John Eadie)
16:00	D.2.2: Guillemain	continued
16:20	D.2.3: Alisauskas	Diet and Nutrition of King Eiders and Long-tailed Ducks Arriving to Breed at Karrak Lake, Nunavut (Ray T. Alisauskas*, Dana K. Kellett)
16:40	D.2.4: Perry	Geographic and Interspecific Variation of Seaduck Food Habits In Northeastern North America (Matthew C. Perry*, Peter C. Osenton, Alicia M. Wells-Berlin)

*Speaker; ^Student

Oral Sessions

17:00	D.2.5: Coluccy	True Metabolizable Energy of Waterfowl Foods: Our Current Understanding and Implications for Conservation Planning (John M. Coluccy*, Matt T. DiBona, Bruce D. Dugger, Mark C. Livolsi, Mark J. Petrie, Kevin M. Ringelman, Chris K. Williams)
17:20	D.2.6: Krapu	Effects of Recent Trends in Agriculture on Waterfowl Nutrition and Energetics (Gary L. Krapu*)
<i>Senate</i>		
15:40 - 17:40	D.3: Breeding Ecology 2 (Chair: Clark Nissley)	
15:40	D.3.1: Pöysä	Environmental Conditions in Early Life, Recruitment Age and Performance at First Breeding in Common Goldeneye Females (Hannu Pöysä*, Robert G. Clark, Antti Paasivaara, Pentti Runko)
16:00	D.3.2: Craik	Potential Role of Brood Parasitism on High Rates of Nest Desertion for Red-breasted Mergansers (Shawn R. Craik*, Rodger D. Titman, Mohammadi Kaouass, Éric Tremblay)
16:20	D.3.3: Ward	Changes in Pacific Black Brant Breeding Productivity Through Space and Time (David H. Ward*, Robert A Stehn, Courtney Amundson, Christian P. Dau)
16:40	D.3.4: Nissley^	Assessing Pre-emptive and Apparent Competition Exhibited by Cackling Geese and Lesser Snow Geese on Breeding Atlantic Brant (Clark Nissley*, Christopher K. Williams, Kenneth F. Abraham)
17:00	D.3.5: Straub	Simulations of Wood Duck Recruitment from Nest Boxes in Mississippi and Alabama (Jacob N. Straub*, J. Brian Davis, Guiming Wang, Richard M. Kaminski, Bruce D. Leopold)
17:20	D.3.6: Stair*	Tracking the Breeding Ecology of Cavity-Nesting Waterfowl with RFID Devices (Tez Stair*, Ami Olson, Cara Thow, Eli Bridge, Bruce Lyon, John Eadie)
<i>Caucus</i>		
15:40 - 17:40	D.4: Habitat Use (Chair: Fritz Reid)	
15:40	D.4.1: Janke^	Novel Contributions of Wetlands in Agricultural Landscapes to Duck Migration in the Southern Prairie Pothole Region (Adam Janke*, Michael Anteau, Joshua Stafford)
16:00	D.4.2: Schepker^	Evaluating Relationships Amongst Local and Wetland Landscape Structure in Determining Waterfowl Habitat Use (Travis J. Schepker*, Elisabeth Webb, Ted LaGrange)
16:20	D.4.3: Palumbo^	Habitat Selection and Survival of Female Mallards in the Lake St. Clair Region During Autumn and Winter (Matthew D. Palumbo*, Michael L. Schummer, Scott A. Petrie)

Oral Sessions

16:40	D.4.4: Foth[^]	Waterbird Use of Wetlands and Aquaculture Ponds in the Mississippi Alluvial Valley and Gulf Coast Regions (Justyn R. Foth*, Francisco J. Vilella, Richard M. Kaminski)
17:00	D.4.5: Pernollet[^]	Winter Flooding and Use of Rice Fields by Waterfowl in Europe: Towards Mutual Benefits for Ducks and Farmers (Claire A. Pernollet*, François Cavallo, David Simpson, Anne Brogi, Amadou Niang, Michel Gauthier-Clerc, Matthieu Guillemain)
17:20	D.4.6: Austin	Habitat Use of Postbreeding Female Lesser Scaup (Jane E. Austin*, Shawn O'Neil, Jeffrey M. Warren)
17:40 - 19:00		<i>Dinner break - on your own</i>
<i>Senate</i>		
17:30 - 18:30		Pintail Action Group Meeting/Scaup Action Team
17:30	Welcome and Logistics	
17:35	Updates on Directed Studies of Northern Pintails	
	Body Condition on the Texas Coast (Bart Ballard*)	
	Pacific Flyway Pintail-related USGS Research Update (Joe Fleske*)	
	Conservation Planning Pertinent to Pintails in the Intermountain West (Josh Vest*)	
	Breeding Pintails: an Update on Recent Prairie Research (Jim Devries*)	
	Fidelity of Pintails to Minto Flats (Mark Lindberg*)	
	Duckling Survival Rates in Relation to Habitat in PPR (David Johns*)	
18:20	Updates on Directed Studies on Scaup	
	Evaluating Scaup Populations in Response to Spring Phenology (Dave Messmer*)	
	Body Condition and Diet of Scaup during Spring (Mark Lindberg*)	
	Update on the Long-term Demographic Study of Lesser Scaup in SW Montana (Jeff Warren*)	
18:50 - 19:00		<i>Break</i>
19:00	Modeling Studies	
	Northern Pintails (Erick Osnas*)	
	Northern Pintails (Mitch Weegman*)	
	Scaup (Dave Koons*)	
	Scaup (Todd Arnold*)	
19:45	Discussion - Status of PAG and SAT Working Groups	
<i>Caucus</i>		
19:00 - 20:00		Mentor/Mentee (Organizers: Jacob McPherson, Joseph Lancaster, Joseph Marty)
	Panelist:	
	Jim Feaga , Regional Biologist NJ/PA/Long Island, Ducks Unlimited	
	Kevin Ringelman , Assistant Professor, Louisiana State University	
	Anthony Roberts , Wildlife Biologist, Atlantic Flyway, US Fish & Wildlife Service	
	Anne Mini , Science Coordinator, Lower Mississippi Valley Joint Venture	
<i>Parks Place</i>		
19:00 - 20:00		Hospitality by California Waterfowl Association

*Speaker; ^Student

WEDNESDAY, 3 FEBRUARY 2016		
06:30 - 08:00	<i>Breakfast in Capital Ballroom</i>	
08:10 - 08:20	Opening Remarks & Announcements	
<i>Capital Ballroom</i>		
08:20 - 09:40	E.1: Plenary	
08:20	E.1.1: Plenary Ken Williams	Prospects for the Integration of Waterfowl Science and Management (B. Ken Williams*)
09:00	E.1.2: Plenary Jim Nichols	Adaptive Waterfowl Harvest Management: Where Are We and How Did We Get Here? (Jim Nichols*, Fred Johnson, S. Boomer, B. Ken Williams)
09:40 - 10:00	<i>Coffee break</i>	
<i>Capital Ballroom</i>		
10:00 - 12:00	F.1: Strengthening the Links Between Waterfowl Research and Management (Organizer: Tony Roberts)	
10:00 - 10:24	F.1.1: Runge	Decision Analysis as a Framework to Link Waterfowl Research and Management (Michael C. Runge*, G. Scott Boomer, Fred A. Johnson, and Byron K. Williams)
10:24 - 10:48	F.1.2: Johnson	Waterfowl Conservation and the Value of Information (Fred A. Johnson*, Byron K. Williams)
10:48 - 11:12	F.1.3: Howerter	Using Science to Inform Waterfowl Habitat Acquisition and Management Decisions (David Howerter*, Benjamin Rashford, Kathleen Fleming, Patrick K. Devers)
11:12 - 11:36	F.1.4: Vrtiska	State and Flyway Perspectives on the Linkage between Research and Waterfowl Management and Conservation (Mark P. Vrtiska*, Frank Baldwin, Greg Balkcom, Jeff Knetter)
11:36 - 12:00	F.1.5: Eadie	Muddy Boots and Ivory Towers: Challenges and Opportunities of Applied Waterfowl Research in Academic Institutions (John M. Eadie*, David N. Koons, Todd W. Arnold, Bart M. Ballard, Robert G. Clark, Scott R. McWilliams, Anthony Roberts, Chris Williams)
12:00 - 13:20	<i>Lunch break in Capital Ballroom</i>	
<i>Capital ABC</i>		
13:20 - 15:20	G.1: Evolution, Ecology, and Conservation of Monochromatic Ducks (Organizers: Ron Bielefeld, Bruce Dugger)	
13:20	G.1.1: Dugger	Monochromatic Ducks - a Primer (Bruce Dugger*, Ron Bielefeld)
13:40	G.1.2: Lavretsky	Genomics of New World Mallard-Like Ducks (Philip Lavretsky*, Jeffrey L. Peters, Kevin G. McCracken)
14:00	G.1.3: Wells^	Why Are Some Ducks Brown? (Caitlin Wells*)

*Speaker; ^Student

Oral Sessions

14:20	G.1.4: Devers	Evolution, Ecology and Conservation of the American Black Duck (Patrick K. Devers*)
14:40	G.1.5: Wells^	Geographic Variation in Hybridization Between Mallards and Hawaii's Koloa Maoli (Caitlin Wells*, Philip Lavretsky, Jeffrey Peters, Bruce Dugger, Christopher Malachowski, John Eadie, Andrew Engilis)
15:00	G.1.6: Haukos	At What Scale Should Mottled Ducks Be Managed? (David A. Haukos*, Jena A. Moon, Warren C. Conway)
<i>Capital D</i>		
13:20 - 15:20	G.2: Incorporation of Hydrologic and Geomorphic Variability in the Restoration of Natural Processes: The Foundation for Producing Sustainable Wetland Resources for Wetland Dependent Wildlife (Organizer: Leigh Fredrickson)	
13:20	G.2.1: Fredrickson	Setting the Stage for Restoration and Management of Natural Processes (Leigh H. Fredrickson*)
13:40	G.2.2: Tashjian	Historic Landform Process Models: A Key to Successful Wetland and Riverine Restoration (Paul L. Tashjian*, John Vradenburg)
14:00	G.2.3: Henry	Incorporating Hydrologic and Geomorphic Variables into Wetland Management in the Intermountain West (Adonia R. Henry*, William S. Smith, Leigh H. Fredrickson)
14:20	G.2.4: Nelson	Missouri Public Waterfowl Hunting Area Wetland Renovation, Schell-Osage Conservation Area (Frank Nelson*, Chris Daniel, Josh Cussimano)
14:40	G.2.5: Cordell	Trash the Cookie Cutter and Pick Up the Puzzle Pieces (Keith Cordell*, Matt Bowyer, Frank Nelson)
15:00	G.2.6: Vradenburg	Wetland Restoration and Management in Arid Floodplains with High Agricultural and Urban Water Needs (John Vradenburg*)
<i>Senate</i>		
13:20 - 15:20	G.3: Management (Chair: Jim Anderson)	
13:20	G.3.1: Hindman	Control of Mute Swans in the Upper Chesapeake Bay (Larry J. Hindman*, William F. Harvey, IV, Hutchison R. Walbridge)
13:40	G.3.2: Nichols, T.	Mute Swan Management in New Jersey: Lessons Learned (Ted Nichols*)
14:00	G.3.3: De La Cruz	Diving Duck Response to Mixed-Species Habitat Management in an Urban Pacific Flyway Estuary (Susan E.W. De La Cruz*, Lacy Smith, Stacy Moskal, John Krause, Mason Hill, Ashley Smith, Kyle A. Spragens, John Y. Takekawa)

*Speaker; ^Student

Oral Sessions

14:20	G.3.4: Perry	Research and Management of Ducks on a Private Ranch in Argentina (Don Pablo Research Team: Andrea Amaiden, Alicia Berlin, Josh Bueth, Enrique Bucher, Anibal Carbajo, Erio Curto, Marcelo Janik, Alan Jolicoeur, Scott McWilliams, Glenn Olsen, Christopher Perry, Matthew Perry*, Marcelo Prodel, Marcelo Romano, Sarah Sandoval-Mohapatra, Edward Soutiere)
14:40	G.3.5: Elmberg	Success Factors Behind Multi-Stakeholder Multi-Species Management of Geese in an Agricultural Landscape (Johan Elmberg*)
15:00	G.3.6: Olson, A.^	Hot Ducks: Are Unshaded Nest Boxes an Ecological Trap for Wood Ducks? (Ami C. Olson*, John M. Eadie, Gary R. Hepp, Brian W. Olson)
<i>Caucus</i>		
13:20 - 15:20	G.4: Techniques 1 (Chair: Don Kraege)	
13:20	G.4.1: Evenson	Employing Digital Still Imaging and Observer Counts to Estimate Bias in Aerial Surveys of Wintering Sea Ducks (Joseph R. Evenson*, Heather J. Tschaekofske, Jeffery B. Leirness, Emily D. Silverman, Tom A. Cyra, Bryan L. Murphie, Donald K. Kraege)
13:40	G.4.2: Yetter	Comparison of Aerial Waterfowl Survey Methods during Fall and Spring Migration (Aaron P. Yetter*, Heath M. Hagy, Michelle M. Horath, Joshua M. Osborn)
14:00	G.4.3: Otto	Modeling Observer Detection Rates in Aerial Surveys (Mark C. Otto*, John R. Sauer)
14:20	G.4.4: Gilliland	Survey Design for Breeding Scoters: Helicopter vs. Fixed-wing (Scott G. Gilliland*, Eric Reed, Christine Lepage, Jean-Pierre L. Savard, Daniel Bordage, Greg Robertson, Jean Rodrigue, John Bidwell, and Bill Harvey)
14:40	G.4.5: Roche	What the Four-Square-Mile-Survey Can Tell Us About Long-term Changes in Prairie Wetlands (Erin Roche*, Terry Shaffer, Brian Wangle)
15:00	G.4.6: Shaffer	Is the Waterfowl Breeding Population and Habitat Survey Conducted Too Early for Late-nesting Species? (Terry Shaffer*, Brian Wangler, Terry Liddick)
15:20 - 15:40	<i>Coffee break</i>	
<i>Capital ABC</i>		
15:40 - 17:40	H.1: Evolution, Ecology, and Conservation of Monochromatic Ducks (Organizers: Ron Bielefeld, Bruce Dugger)	
15:40	H.1.1: Krainyk^	Prioritizing Mottled Duck Habitat for Conservation along the Western Gulf Coast (Anastasia Krainyk*, Bart M. Ballard, Michael G. Brasher, Barry C. Wilson, Mark W. Parr, Jena A. Moon, Cynthia Kallio Edwards)

*Speaker; ^Student

Oral Sessions

16:00	H.1.2: Feddersen	Keeping the Florida Mottled Duck a Monochrome (Jamie C. Feddersen*, Ronald R. Bielefeld)
16:20	H.1.3: Varner	Movements and Seasonal Use of Habitats by Female Mottled Ducks in Southeast Florida (Dana M. Varner*, Gary R. Hepp, Ronald R. Bielefeld)
16:40	H.1.4: Pollander^	Timing and Movements of Mottled Ducks in Georgia and South Carolina (Kaylee M. Pollander*, Greg D. Balkcom, and Michael J. Chamberlain)
17:00	H.1.5: Kneece^	Survival and Recovery of Mottled Ducks in Coastal South Carolina 2008-2014 (Molly R. Kneece*, Joseph D. Lancaster, J. Brian Davis, J. Clay Shipes, Dean E. Harrigal)
17:20	H.1.6: Shipes	Social Indices of Breeding Mottled Ducks in Coastal South Carolina (J. Clay Shipes*, Molly R. Kneece, J. Brian Davis, Ernie P. Wiggers, Richard. M. Kaminski)
<i>Capital D</i>		
15:40 - 17:40	H.2: Incorporation of Hydrologic and Geomorphic Variability in the Restoration of Natural Processes: The Foundation for Producing Sustainable Wetland Resources for Wetland Dependent Wildlife (Organizer: Leigh Fredrickson)	
15:40	H.2.1: Papon	Assessing the Value of Sediment Removal in Restoring Prairie Pothole Wetlands (Shawn G. Papon*)
16:00	H.2.2: Pagan	Private Land Initiatives in the Bottomland Hardwood Region of Bayou Meto Arkansas (Jody Pagan*)
16:20	H.2.3: Smith	Restoration of Native Hawaiian Plant Communities to Benefit Five Endangered Waterbirds: Recognition of Geomorphic Surfaces, Hydrologic Conditions, Native Seed Banks, and Bugs as a Path To Success (Chadd Smith*)
16:40	H.2.4: Vorland	Rehabilitation and Management of a Shallow Lake Complex in South Central Minnesota (Jeanine Vorland*)
17:00	H.2.5: Fredrickson	Tribute to Mike Wolder (Leigh H. Fredrickson*)
17:20	H.2.6: Discussion	Discussion (Leigh H. Fredrickson*)
<i>Senate</i>		
15:40 - 17:40	H.3: Human Dimensions (Chair: Dean Smith)	
15:40	H.3.1: Tapp	Evaluating the Migratory Bird Habitat Initiative after the Deep Water Horizon Oil Spill: Waterbird and Seed Abundance (Jessica L. Tapp*, Matthew M. Weegman*, Richard M. Kaminski, J. Brian Davis, Elisabeth B. Webb, Kevin D. Nelms)
16:00	H.3.2: Devers	Integrating Human Dimensions into Habitat Delivery: Relationships Among Landscape Characteristics and Recreation (Patrick K. Devers*, Anthony Roberts, Paul Padding, Robert Raftovich, Scott Knoche)

*Speaker; ^Student

Oral Sessions

16:20	H.3.3: Lindstrom	Prairie Pothole Politics: Opportunities and Challenges to Conserving the Duck Factory (Eric B. Lindstrom*)
16:40	H.3.4: Slattery	Roads, Pipelines, and Seismic Lines...What Do They Mean for Boreal Ducks? (Stuart Slattery, Susan Witherly, Glenn Mack, Llwellyn Armstrong, Howie Singer, Jared Knockaert, Dave Howerter)
17:00	H.3.5: Dorak^	Urban Takeover: Canada Geese Shifting from City Parks to Industrial Rooftops (Brett E. Dorak*, Heath M. Hagy, Mike P. Ward)
17:20	H.3.6: Open	
<i>Caucus</i>		
15:40 - 17:40	H.4: Techniques 2 (Chair: Mike Buxton)	
15:40	H.4.1: Hidden^	How Many Birds Are We Missing? Assessing Waterfowl Distribution and Abundance in Missouri Using an Aerial Strip-transect Survey (Brian S. Hidden*, Elisabeth B. Webb, Andy H. Raedeke, Xiaoming Gao)
16:00	H.4.2: Brown	Survey of Wetland Management Techniques in California – The 50 Buck Duck (Michael Brown*, John M. Eadie, Mark Lubell, Robert H. Doster, Rob Holbrook, Chadd Santerre, Bruce Wickland, Dean Kwasny)
16:20	H.4.3: Nicolai, C.	Geolocators: Breeding Probability and Movement of Three Species of Ducks (Chris A. Nicolai*, Ben S. Sedinger)
16:40	H.4.4: O'Connel^	Backscatter-brained: Using Radar Imagery to Determine Wetland Inundation Pattern (John R. O'Connell*, Michael W. Eichholz, Heath M. Hagy)
17:00	H.4.5: Webb	How Will Predicted Land Use Change Affect Mallard Spring Migration Stopover Ecology? Inferences from an Agent-based Model (William S. Beatty, Dylan C. Kesler, Elisabeth B. Webb*, Luke W. Naylor, Andrew H. Raedeke, Dale D. Humburg, John M. Coluccy, Gregory J. Soulliere)
17:20	H.4.6: Laborde	A Contrast of Alternative Survey Methodologies in the 2015 Survey of Louisiana Waterfowl Hunters (Lucien P. Laborde, Jr*, Michael D. Kaller, Larry A. Reynolds)
17:40 - 19:00	<i>Dinner Break - on your own - NADS Board meeting - Senate</i>	
<i>Annapolis Ballroom</i>		
19:00 - 22:00	Poster Session I	
<i>Parks Place</i>		
19:00 - 22:00	Hospitality hosted by California Waterfowl Association	

THURSDAY, 4 FEBRUARY 2016	
06:30 - 08:00	<i>Breakfast in Capital Ballroom</i>
08:10 - 08:20	Opening Remarks & Announcements
<i>Capital Ballroom</i>	
08:20 - 09:40	I.1: Plenary
8:20	I.1.2: Plenary Robert Clark Using Population Models to Test Ecological Hypotheses and Guide Conservation Decisions (Robert Clark*)
9:00	I.1.2: Plenary Michael Schaub Inference About Population Processes by Combining Counts and Demographic Data Using Integrated Population Models (Michael Schaub*)
09:40 - 10:00	<i>Coffee break</i>
<i>Capital Ballroom</i>	
10:00 - 12:00	J.1: Integrated Population Models to Inform Waterfowl Ecology and Conservation (Organizers: Todd Arnold, David Koons)
10:00	J.1.1: Weegman Integrated Population Modelling Reveals a Perceived Source to be a Cryptic Sink (Mitch D. Weegman*, Stuart Bearhop, Anthony David Fox, Geoff M. Hilton, Alyn J. Walsh, David J. Hodgson)
10:20	J.1.2: Koons Drivers of Lesser Scaup Population Dynamics at a Continental Scale (David N. Koons*, Michael Schaub, Todd W. Arnold, Mitchell D. Weegman, Beth E. Ross, Jeffrey M. Warren, Christopher A. Nicolai, Robert G. Clark)
10:40	J.1.3: Osnas An Integrated Population Model for Northern Pintail to Guide Harvest and Habitat Management (Erik E. Osnas*, G. Scott Boomer, Michael C. Runge, Robert G. Clark, James H. Devries)
11:00	J.1.4: Arnold An Integrated Population Model for American Black Ducks (Todd W. Arnold*, David N. Koons, Michael Schaub)
11:20	J.1.5: Riecke[^] Integrated Population Models for Black Brant: Derived Parameters And Sampling Variance (Thomas V. Riecke*, James S. Sedinger)
11:40	J.1.6: Arnold, Koons Integrated Population Models to Inform Waterfowl Ecology and Conservation: Pitfalls and Promises (Todd W. Arnold*, Robert G. Clark, David N. Koons*, Erik E. Osnas, Thomas V. Riecke, Michael Schaub, Mitchell D. Weegman)
12:00 - 13:20	<i>Lunch break in Capital Ballroom</i>

Oral Sessions

<i>Capital ABC</i>		
13:20 - 15:20	K.1: Looking Ahead Toward Future Management of Shallow Lakes (Organizers: Nicole Hansel-Welch, Mark Hanson)	
13:20	K.1.1: Anteau	A Watershed Approach for Conservation of Prairie-Pothole Wetlands (Michael J. Anteau*, Mark T. Wiltermuth, Lisa A. McCauley, Max Post van der Burg)
13:40	K.1.2: Vitense^	Predicting Total Phosphorus and Assessing State Transition Risk in Shallow Lakes (Kelsey Vitense*, Nicole Hansel-Welch, Mark A. Hanson, Brian R. Herwig, Kyle D. Zimmer, John Fieberg)
14:00	K.1.3: Wiltermuth	Landscape-scale Evaluation of the "Alternative Stable State" Hypothesis within Large Northern Prairie Wetlands in Context of Waterbird Conservation (Mark T. Wiltermuth*, Michael J. Anteau)
14:20	K.1.4: Hanson	Rehabilitating Turbid Shallow Lakes: Harder than We Think? (Mark A. Hanson*, Brian R. Herwig, Kyle D. Zimmer, Nicole Hansel-Welch, Kelsey Vitense, John Fieberg)
14:40	K.1.5: Zimmer	Is Island Biogeography a Good Model for Managing Biodiversity in Shallow Lakes? (Kyle D. Zimmer*, Luke E. Nolby, Mark A. Hanson, Brian R. Herwig, William O. Hobbs, Joy M. Ramstack Hobbs, Kevin M. Theissen)
15:00	K.1.6: Hansel-Welch	Management or Restoration - What Are We Doing With Shallow Lakes in Minnesota? (Nicole Hansel-Welch, Tammy Baden, Todd Call, Jenny DuBay, Ann Geisen, Steve Kittelson, Melissa Thompson)
<i>Capital D</i>		
13:20 - 15:20	K.2: Mexico's Rich Waterfowl History, Contemporary Wetland Challenges, and Maintaining Anatid Biodiversity (Organizers: Eduardo Carrera-González*, Alberto Lafón-Terrazas, Leigh H. Fredrickson)	
13:20	K.2.1: Carrera-González	Introductory Remarks: International Cooperation Across North America a Key to Continental Waterbird Conservation (Eduardo Carrera-González*, Alberto Lafón-Terrazas, Leigh H Fredrickson)
13:40	K.2.2: Valverde	A Historical Perspective on the Conservation of Waterfowl in Mexico (Jorge Enrique Mendoza Valverde*)
14:00	K.2.3: Lafón-Terrazas	The Current State of Policy and Legislation Related to Environmental Resources in Mexico (Alberto Lafón-Terrazas*)
14:20	K.2.4: Carrera-González	Distribution and Status of Mexico's Wetland Resources (Eduardo Carrera-González*)
14:40	K.2.5: Lafón-Terrazas	Initial Efforts for Waterfowl Monitoring in Mexico (Alberto Lafón-Terrazas*, Mauro Iván Reyna-Medrano)

Oral Sessions

15:00	K.2.6: Carrera-González	Distribution and Composition of the Mexican Waterfowl Harvest (Eduardo Carrera-González*, Alberto Lafón-Terrazas, Leigh H. Fredrickson)
<i>Senate</i>		
13:20 - 15:20	K.3: Population Dynamics (Chair: Matt Dyson)	
13:20	K.3.1: Malachowski[^]	Seasonal and Annual Survival Rates and Cause-specific Mortality of the Endangered Hawaiian Duck (Christopher P. Malachowski*, Bruce D. Dugger)
13:40	K.3.2: Warren	Within-season and Carry-over Effects of Reproductive Effort on Survival in Female Lesser Scaup (Jeffrey M. Warren*, David N. Koons)
14:00	K.3.3: Messmer[^]	Associations of Western Boreal Forest Duck Populations to Indices of Spring Phenology (David J. Messmer* [^] , Robert G. Clark, Stuart Slattery, Mark Drever, Chris Derksen)
14:20	K.3.4: Sheppard[^]	Vital Rates of New Zealand Mallards (Jennifer L. Sheppard* [^] , Todd Arnold, Courtney L. Amundson, David Klee, Todd Dennis)
14:40	K.3.5: Leach[^]	Probability of Mate Change and Its Effects on Demographic Rates of Black Brant (Alan G. Leach* [^] , James. S. Sedinger, Thomas V. Riecke, David H. Ward, W. Sean Boyd)
15:00	K.3.6: Riecke[^]	Response of Long-lived Waterfowl to Latitudinal Fitness Variation (Thomas V. Riecke* [^] , Alan G. Leach, Jim S. Sedinger, David H. Ward, and W. Sean Boyd)
<i>Caucus</i>		
13:20 - 15:20	K.4: Harvest (Chair: Matt Chouinard)	
13:20	K.4.1: Boomer	Analyzing the Relationship between Midcontinent Mallard Harvest and Survival Probabilities (G. Scott Boomer*, Guthrie S. Zimmerman, Nathan L. Zimpfer, James D. Nichols)
13:40	K.4.2: Sedinger, B.[^]	Exploring Compensation in Duck Mortality: Do Harvest Regulations Really Matter? (Benjamin S. Sedinger*, Christopher A. Nicolai, Kelley M. Stewart)
14:00	K.4.3: Vaske	Improving the Accuracy of Self-reported Waterfowl Harvest Estimates (Jerry J. Vaske*, Jay Beaman, Craig Miller)
14:20	K.4.4: Deane^{1^}	Harvest and Non-harvest Mortality Relationships for Lesser Scaup Breeding in Southwestern Montana (Cody E. Deane, Jay J. Rotella, Jeffrey M. Warren, David N. Koons, Robert R. Garrott)
14:40	K.4.5: Soulliere	Trends in North American Diving Duck Hunting Community with Focus on Scaup (Gregory J. Soulliere*, Jane E. Austin, Benjamin M. Kahler)

Oral Sessions

15:00	K.4.6: Open	
15:20 - 15:40	<i>Coffee break</i>	
<i>Capital ABC</i>		
15:40 - 17:40	L.1: Looking Ahead Toward Future Management of Shallow Lakes (Organizers: Nicole Hansel-Welch, Mark Hanson)	
15:40	L.1.1: Hagy	Evolution of Backwater Lakes along the Illinois River with Waterfowl as a Sentinel of Change (Heath M. Hagy*, Aaron P. Yetter, Michelle M. Horath, Joshua Stafford)
16:00	L.1.2: Evelsizer	Ten Years of Shallow Lake Renovations; Applying What's Been Learned to Future Management (Vincent D. Evelsizer*)
16:20	L.1.3: Wrubleski	Restoring a Large Freshwater Coastal Wetland on the Prairies; Delta Marsh, Manitoba (Dale A. Wrubleski*)
16:40	L.1.4: Hutchins	Time-lapse Photography: Documenting Wetland Restoration and Shallow Lake Management in Minnesota (Emily J. Hutchins*, John E. Maile)
17:00	L.1.5: Anthony^	Seed-Bank and Invertebrate Potential of Moist-Soil Wetlands in the Southwest (Ryan S. Anthony*, Ryan O'Shaughnessy, Ryan S. Luna, and Daniel P. Collin)
17:20	L.1.6: Hanson	Discussion (Mark Hansen, Nicole Hansel-Welch)
<i>Capital D</i>		
15:40 - 17:40	L.2: Mexico's Rich Waterfowl History, Contemporary Wetland Challenges, and Maintaining Anatid Biodiversity (Organizers: Eduardo Carrera-González, Alberto Lafón-Terrazas, Leigh H. Fredrickson)	
15:40	L.2.1: Lafón-Terrazas	Distribution and Productivity of the Mexican Ducks and Related Species (Alberto Lafón-Terrazas*)
16:00	L.2.2: Wortham	A History of U.S. Flyway Biologists/Pilots' Efforts in Mexico (Jim Wortham*, Phil Thorpe)
16:20	L.2.3: Fredrickson	Functional Aspect of Wetlands in Mexico's Arid Northern Highlands (Leigh H. Fredrickson*)
16:40	L.2.4: Vradenburg	Bosque del Apache NWR and Mexico: A History of International Collaboration (John Vradenburg)
17:00	L.2.5: Goodman^	A Stiff Comparison: Comparing Time-Activity Budgets of Stiff-Tailed Ducks in Puerto Rico (Nick Goodman*, Jack C. Eitniear, James T. Anderson)
17:20	L.2.6: Carrera-González	Closings Remarks: The Mexico Challenge in North American Waterbird Conservation (Eduardo Carrera-González*, Alberto Lafón-Terrazas, Leigh H. Fredrickson)

<i>Senate</i>	
15:40 - 17:40	L.3: Conservation Planning (Chair: Kevin Ringelman)
15:40	L.3.1: Bartuszevige Using Landscape Design to Develop a Waterfowl Conservation Plan (Anne M. Bartuszevige*, Alex Daniels, Kyle Taylor)
16:00	L.3.2: Fleming, K. Decision Support for Land Acquisition in the National Wildlife Refuge System (Kathleen Fleming, Keenan Adams, Sean Fields, and Ken Fowler)
16:20	L.3.3: Doherty Building the Foundation for International Conservation Planning for Breeding Ducks Across the US and Canadian Border (Kevin E. Doherty*, Jeffrey S. Evans, Johann Walker, James H. Devries, David W. Howerter)
16:40	L.3.4: Laing Waterfowl Brigades: Preparing the Next Generation of Conservationists (Jared D. Laing*)
17:00	L.3.5: Devney Contract, Farm and Farmer Influencers on CRP Enrollment Decisions (John Devney*, Neeraj Dhingra, William Lesch, David Roberts, Cheryl Wachenheim)
17:20	L.3.6: Ringleman Estimating Carrying Capacity at Local Scales: A Case Study from Forsythe National Wildlife Refuge (Kevin M. Ringelman*, Christopher K. Williams, Paul Castelli, Mason L. Sieges, Rebecca Kern, Ted Nichols, Steve Earsom)
<i>Caucus</i>	
15:40 - 17:40	L.4: Contaminants, Disease, and Genetics (Chair: Alan Leach)
15:40	L.4.1: Latty^ Prevalence and Potential Sources of Elevated Strontium in Waterfowl Eggs in Interior Alaska (Christopher J. Latty*, Angela C. Matz, Keith A. Hobson, Tuula E. Hollmen)
16:00	L.4.2: Miller^ Trace Elements in Eiders and Long-tailed Ducks of the Alaskan Arctic (Micah W. C. Miller*, James R. Lovvorn, Angela C. Matz, Robert J. Taylor, Christopher J. Latty, David E. Safine)
16:20	L.4.3: England^ Helminths and Health of Spring-Migrating Lesser Scaup in the Upper Midwest (J. Conner England1*, Jeffrey M. Levengood, Heath M. Hagy, Rebecca A. Cole, John M. Kinsella)
16:40	L.4.4: Spivey^ Influenza A Virus Dynamics in High-Latitude Wintering Populations of Mallards (Timothy J. Spivey*, Mark S. Lindberg, Brandt W. Meixell, Kyle R. Smith, Jonathan A. Runstadler, David E. Stallknecht, Andrew M. Ramey)
17:00	L.4.5: Meixell^ Seasonal Prevalence of Influenza in a Reservoir Host: Waterfowl Life History and the Dynamics of Viral Flow (Brandt W. Meixell*, Nichola J. Hill, Eric J. Ma, Mark S. Lindberg, Todd W. Arnold, and Jonathan A. Runstadler)

Oral Sessions

17:20	L.4.6: Lavretsky	Population Genomics and Hybridization between Lesser and Greater Scaup (Philip Lavretsky*, Jeffrey L. Peters, Kevin G. McCracken)
17:40 - 19:00	<i>Dinner break - on your own</i>	
<i>Caucus</i>		
18:30 - 20:00	<p>Special Session: University-based Waterfowl Programs: Past, Present & Foresights (Organizers: Rick Kaminski, Bart Ballard, Warren Conway, J. Brian Davis, John Eadie, Jake Straub)</p> <p>Drinks and food available at 18:30 Presentations, Panel Discussion & Interaction with Audience will begin 19:00</p>	
<i>Annapolis Ballroom</i>		
19:00 - 22:00	Poster Session II	
19:00 - 22:00	Hospitality hosted by California Waterfowl Association - Parks Place	

FRIDAY, 5 FEBRUARY 2016		
06:30 - 08:00	<i>Breakfast in the Capital Ballroom</i>	
08:10 - 08:20	Opening Remarks & Announcements - Chris Williams	
<i>Capital Ballroom</i>		
08:20 - 09:40	M.1: Plenary	
8:20	M.1.1: Plenary Michael Anderson	From Coherence to Integration: Challenges of Multiple Scales, Decision Authorities, and Processes (Michael G. Anderson*)
9:00	M.1.2: Plenary David Fulton	Values Translated into Objectives: Engaging Waterfowl Stakeholders (David C. Fulton*, Andrew Raedeke, Jason Spaeth, Michael Kilgore, Howie Harshaw, Gray Anderson, and Dale D. Humburg)
09:40 - 10:00	<i>Coffee break</i>	
<i>Capital Ballroom</i>		
10:00 - 12:00	N.1: Featured Session: Implementing the 2012 NAWMP Revision: Management Decisions to Integrate Multiple Objectives at Varying Scales (Organizer: Dale D. Humburg)	
10:00 - 10:05	N.1.1: Humburg	Introduction to the Session (Dale Humburg*)
10:05 - 10:20	N.1.2: Runge	Modeling and Managing Linkages across Objectives: Beyond the JTG (Michael C. Runge)
10:20 - 10:35	N.1.3: Vrtiska	Adaptive Harvest Management: Re-examining Harvest Objectives and Approaches (Mark P. Vrtiska*, Min Huang, W. Adam Phelps, Paul I. Padding, James R. Kelley, Jr., and James A. Dubovsky)
10:35 - 10:50	N.1.4: Carter	Integrating Human Dimension Considerations into Joint Venture Habitat Delivery (Michael F. Carter*, Andy Bishop, and Beth Huning)
10:50 - 11:05	N.1.5: Brasher	Focusing Resources on Important Landscapes: A Spatial Framework for Integrating NAWMP Objectives (Michael G. Brasher*, Mark J. Petrie, David W. Howerter, and Dale D. Humburg)
11:05 - 11:20	N.1.6: Eadie	Integrated Annual Cycle Models of North American Ducks: Progress, Pitfalls and Prospects (John M. Eadie*, Robert G. Clark, Jane Austin, G. Scott Boomer, Pat Devers, Jim H. Devries, Brady J. Mattsson, Eric E. Osnas, and Michael C. Runge)
11:20 - 11:50	N.1.7: Johnson	Plenary Fred A. Johnson Multi-Level Learning in Waterfowl Conservation (Fred A. Johnson*, Dale D. Humburg, David J. Case)
11:50 - 12:00	N.1.8: Humburg	Closing Comments: A Challenge to the Technical Community

12:00 - 13:20	<i>Lunch break in Capital Ballroom</i>	
<i>Capital ABC</i>		
13:20 - 15:20	O.1: Waterfowl and Water 1: The Crisis is Now (Organizer: Mark Petrie)	
13:20	O.1.1: Petrie	Introduction to the Session (Mark Petrie*)
13:40	O.1.2: Zarzycki[^]	Evidence for Cross Seasonal Effects: Insights from Long-Term Data on Northern Pintail (Megan C. Zarzycki*, Bruce D. Dugger)
14:00	O.1.3: Yarris	The California Drought: The Effects of the Current Drought on Waterfowl Habitat in the Central Valley (Gregory S. Yarris*, Joseph P. Fleskes, Mark J. Petrie, Mike A. Wolder, Craig R. Isola, Daniel A. Skalos)
14:20	O.1.4: Brasher	Implications of Limited Water Supplies for Waterfowl Habitats on the Texas Coast (Michael G. Brasher*, Kirby Brown)
14:40	O.1.5: Vest	Water Issues for the Great Salt Lake: Implications to Wetlands and Waterfowl (Josh L. Vest*, Mark J. Petrie, Bruce D. Dugger, Jeffrey. M. Warran, W. Dave Smith)
15:00	O.1.6: James	Future Implications of Groundwater Depletion on Waterfowl Foraging Capacity in the Mississippi Alluvial Valley (J. Dale James*, Anne E. Mini, Mark J. Petrie)
<i>Capital D</i>		
13:20 - 15:20	O.2: The Pride of the Salt Marsh: Status and Future Conservation of the American Black Duck (Organizer: Pat Devers)	
13:20	O.2.1: Serie	Early History of Concern for the American Black Duck and Formation of the Black Duck Joint Venture (Jerome R. Serie*, Brigitte Collins, Robert J. Blohm, Ken Ross)
13:40	O.2.2: Sauer	Development and Implementation of the Eastern Breeding Waterfowl and Habitat Survey (John Sauer,*, Daniel Bordage, Mark Koneff, Guthrie Zimmerman)
14:00	O.2.3: Conroy	Development and Implementation of an International Black Duck Harvest Strategy (Michael J. Conroy*, Eric T. Reed, Paul I. Padding, Mark D. Koneff, Patrick K. Devers)
14:20	O.2.4: Robinson	Integrating Habitat and Population Dynamics: Achieving NAWMP Goals Through the Use of an Annual Life Cycle Model (Orin Robinson*, Conor McGowan, Patrick K. Devers)
14:40	O.2.5: Devers	Testing the Winter Limitation Hypothesis Using a Two-Season Banding Program (Patrick K. Devers,*, Guthrie S. Zimmerman, and G. Scott Boomer)
15:00	O.2.6: Darveau	American Black Duck Breeding Habitat: Knowledge and Conservation in a Changing World (Marcel Darveau*, Daniel Bordage ³ , Rod Brook, Patricia Edwards, David J. Lieske, Daniel G. McAuley, Nic McLellan, Shawn Meyer, J. Bruce Pollard)

<i>Senate</i>		
13:20 - 15:20	O.3: Winter Ecology (Chair: Rick Kaminski)	
13:20	O.3.1: Collins	Impacts of Wind Energy on Wintering Redheads (Daniel P. Collins*, Cory J. Lange, Bart M. Ballard)
13:40	O.3.2: Lancaster¹^	Linking Habitat Use and Survival to Identify Suitable Winter Habitats for Female Mallards in Mississippi (Joseph D. Lancaster*, J. Brian Davis, Richard M. Kaminski, Edward J. Penny, Alan D. Afton)
14:00	O.3.3: Williams	Bioenergetics, Behavior, and Sea Level Rise: Current Status and Future Implications for Wintering Dabbling Ducks in Delaware (Mark C. Lovolsi, Christopher K. Williams*, John M. Coluccy, Matthew T. DiBona)
14:20	O.3.4: Askren^	Habitat Selection of Midcontinent Greater White-fronted Geese During the Wintering Period (Ryan J. Askren*, Douglas C. Osborne)
14:40	O.3.5: Kennedy^	Wintering Redhead Duck Effects on Northern Gulf of Mexico Seagrasses (Maddie Kennedy*, Kenneth L. Heck Jr., John Valentine, Thomas Michot)
15:00	O.3.6: Raquel^	Species-specific Timing of Breeding in Response to Winter Climate and Spring Pond Conditions (Amelia J. Raquel*, Robert G. Clark, James H. Devries, David W. Howerter)
<i>Caucus</i>		
13:20 - 15:20	O.4: Foraging Ecology (Chair: Heath Hagy)	
13:20	O.4.1: Vanderhorst^	True Metabolizable Energy of Submersed Aquatic Vegetation for Dabbling Ducks (Sarah E. Vanderhorst*, Heath M. Hagy, John W. Simpson, Chris N. Jacques)
13:40	O.4.2: Behney	Worth the Reward? An Experimental Assessment of Risk-taking Behavior in Foraging Ducks (Adam C. Behney*, Ryan O'Shaughnessy, Michael W. Eichholz, and Joshua D. Stafford)
14:00	O.4.3: DuBour^	Dietary Patterns of Lesser Scaup Ducklings in a Heterogeneous Landscape (Adam J. DuBour*, Kirsty E. Gurney, Mark S. Lindberg)
14:20	O.4.4: Marty^	Waste-Rice and Natural Seed Abundance in Rice Fields in the Gulf Coast Prairies of Louisiana and Texas (Joseph R. Marty*, J. Brian Davis, Richard M. Kaminski, Michael G. Brasher, Guiming Wang)
14:40	O.4.5: Drahota	Anas spp. Body Condition and Ingested Foods During Spring Stopover (Jeff L. Drahota, Dustin Casady, Mery Casady, Ryan Walters)

15:00	O.4.5: VonBank[^]	Food Habits and Availability for Lesser Scaup (<i>Aythya affinis</i>) during spring (Jay A. Vonbank*, Heath M. Hagy, Joshua M. Osborn, Jamison C. England, Aaron P. Yetter, Michelle M. Horath, Chris S. Hine, Douglas R. McClain)
15:20 - 15:40	<i>Coffee break</i>	
<i>Capital ABC</i>		
15:40 - 17:40	P.1: Waterfowl and Water 2: The Crisis is Now (Organizer: Mark Petrie)	
15:40	P.1.1: Dugger	Current and Future Water Shortages in Southern Oregon/Northeastern California (SONEC) (Bruce D. Dugger*, Josh L. Vest, Patrick Donnely, John Vradenburg, Joseph P. Fleskes, Mark J. Petrie)
16:00	P.1.2: Fleming, S.	Overview of Water Quality Issues in the Upper Mississippi River, Great Lakes, and Chesapeake Bay and Long Term Implications for Diving Duck Distribution (K. Sarah Fleming*, John Coluccy, Jason Hill, Heath M. Hagy, Michael L. Schummer)
16:20	P.1.3: Eadie	Using an Agent-based Model (SWAMP) to Predict the Response of Waterfowl to Drought, Urban Expansion and Reduced Water for Agriculture and Managed Wetlands in California (John M. Eadie*, Matt L. Miller, Kevin M. Ringelman, Joseph P. Fleskes, Elliott Matchett, Robert H. Blenk, Jeffrey C. Schank)
16:40	P.1.4: Smith	Water Will Go Where it is Legally Required to Go: Being Realistic about Future Wetland Water Supplies and Exploring a New Path of Collaborative Working Lands Conservation (W. David Smith*, Mark J. Petrie)
17:00	P.1.5: Overton[^]	Is California's Wintering Waterfowl Habitat Drought Proof? (Cory Overton*, Joseph P. Fleskes, Joshua T. Ackerman, Jeffrey D. Kohl, Mark P. Herzog, Elliott Matchett, Caroline M. Brady, Cliff Feldheim, Greg Yarris, Michael L. Casazza)
17:20	P.1.6: Symmank	From the Duck Marsh to the Water Faucet: Constructed Wetlands are Becoming a Critical Component of the Texas Municipal Water Supply (Matthew E. Symmank*)
<i>Capital D</i>		
15:40 - 17:40	P.2: The Pride of the Salt Marsh: Status and Future Conservation of the American Black Duck (Organizer: Pat Devers)	
15:40	P.2.1: Coluccy	American Black Duck Bioenergetics Model: A Synthesis of Research and Results (John M. Coluccy*, Paul M. Castelli, Patrick K. Devers, Heath M. Hagy, Gregory J. Soulliere, Christopher K. Williams)
16:00	P.2.2: Peck	Overwinter Survival and Wintering Ground Fidelity of American Black Ducks in Atlantic Canada (Liam E. Peck*, Randy Milton, J. Bruce Pollard, Garry Gregory, Gregory J. Robertson, Mark L. Mallory)

Oral Sessions

16:20	P.2.3: English[^]	Winter Diet and Body Condition of American Black Ducks in Atlantic Canada (Matthew D. English*, Gregory J. Robertson, Mark L. Mallory)
16:40	P.2.4: Ringelman	A Meta-analysis of American Black Duck Winter Habitat Use along the Atlantic Coast (Kevin M. Ringelman*, Christopher K. Williams, Patrick Devers, John M. Coluccy, Paul Castelli, Kurt A. Anderson, Jacob L. Bowman, Gary R. Constanzo, Dane M. Cramer, Matt DiBona, Michael Eichholz, Min Huang, Benjamin Lewis, Dawn Plattner, Tina Yerkes)
17:00	P.2.5: Jones	Non-breeding Habitat Planning and Delivery for American Black Ducks (Malcom Jones*, John Coluccy, Kirsten Luke, Patrick K. Devers)
17:20	P.2.6: Devers	Discussion (Patrick Devers)
<i>Senate</i>		
15:40 - 17:40	P.3: Miscellany (Chair: Beth Ross)	
15:40	P.3.1: Ross, B.	Drivers of Mottled Duck Pairs on the Upper Texas Gulf Coast (Beth E. Ross*, David Haukos, Patrick Walther)
16:00	P.3.2: Moon	A Stochastic Model to Simulate Mottled Duck Population Dynamics (Jena A. Moon*, Stephen J. DeMaso, Michael G. Brasher, Warren C. Conway, David A. Haukos)
16:20	P.3.3: Lancaster2[^]	Diurnal Use of Private, Public, and Incentivized Conservation Wetlands by Female Mallards in Mississippi (Joseph D. Lancaster*, J. Brian Davis, Richard M. Kaminski, Kevin D. Nelms)
16:40	P.3.4: Minor[^]	Avian Productivity and Community Ecology of Restored PPR Grasslands (Ashlee K. Minor*, Michael Eichholz)
17:00	P.3.5: Pokley[^]	Testing Competing Hypotheses for the Seasonal Variation in Nesting Success (Kalen J. Pokley*)
17:20	P.3.6: Martorelli[^]	Evaluation of Waterfowl Use and Thermal Characteristics of Alfalfa and Perennial Grasses in Eastern South Dakota (Neal Martorelli*, Joshua Stafford)
<i>Caucus</i>		
15:40 - 17:40	P.4: Energetics (Chair: Brandt Meixell)	
15:40	P.4.1: Mini[^]	From Equations to Reality: Building a Bioenergetic Model to Improve Waterfowl Conservation (Anne E. Mini*, Blaine Elliott, Dale James, Keith McKnight, Luke Naylor, John Tirpak)
16:00	P.4.2: Garrick, M.[^]	Dynamics of Nutrient Reserves and Digestive Tract of Female Northern Pintails Wintering Along The Texas Coast (Matthew J. Garrick*, Nathaniel R. Huck, Bart M. Ballard, Kevin J. Kraai)

Oral Sessions

16:20	P.4.3: McClain	Using Plasma-lipid Metabolites to Predict Lipid Reserve Dynamics in Free-living Lesser Scaup (Douglas R. McClain*, Heath M. Hagy, Joshua M. Osborn, Aaron P. Yetter, Chris Hine, Michelle Horath, Jamison C. England, Jeffrey Levengood)
16:40	P.4.4:	Open
17:00	P.4.5: Fino^	The Energetic Value of Mid-Atlantic Forested Wetlands to Wintering American Black Ducks (Samantha Fino*, Christopher K. Williams, Mark Lovolsi, Kevin M. Ringelman, John M. Coluccy, Patrick K. Devers, Paul M. Castelli)
17:20	P.4.6: Henson	Does Hunting Alter Waterfowl Body Condition and Stress Physiology? (Jerad R. Henson*, Christopher Sims, Stephan Schoech)
17:40 - 19:00	<i>Break before Banquet</i>	
19:00 - 22:00	Banquet & Awards Dinner - <i>Capital Ballroom</i>	

Poster Session I	
WEDNESDAY, 3 FEBRUARY 2016	
19:00 - 22:00	<i>Annapolis Ballroom</i>
Q.1	Breeding Ecology
Q.1.1: Bidwell	Species Diversity of Boreal Waterbirds is Related to Wetland Area, not Habitat Heterogeneity (Mark T. Bidwell*, Glenn G. Mack, Robert G. Clark)
Q.1.2: Cosgrove	Effects of Landscape-Scale Habitat Features on Mallard Nest Survival in New Zealand (Jillian M. Cosgrove*, Courtney L. Amundson, Jennifer L. Sheppard, David Klee)
Q.1.3: Davis	Evidence for Optimal Brood Size in Box-nesting Wood Ducks (J. Brian Davis*, Todd W. Arnold, Richard M. Kaminski, Robert R. Cox, Jr., Joseph D. Lancaster, Bruce D. Leopold)
Q.1.4: Docken	Artificial Nest Island Program for Dusky Canada Geese on the Copper River Delta, Alaska (Nicholas R. Docken*, Melissa L. Gabrielson)
Q.1.5: Dyson[^]	Changes in Predator Communities and Waterfowl Nest Predation Rates in Response to Landscape Development in the Western Boreal Forest (Matthew E. Dyson, Stuart M. Slattery, James H. Devries, Bradley C. Fedy)
Q.1.6: Fuller	Status of Breeding Black Ducks in North Carolina (Joseph C. Fuller, Douglas L. Howell)
Q.1.7: Johns	Linking Reproductive Trade-offs to Habitat Management Actions: Winter Wheat and Survival of Northern Pintail Ducklings (David W. Johns*, Robert G. Clark, James H. Devries)
Q.1.8: Johnson[^]	Preliminary Assessment of Predator Reduction on Nesting Success in Over-water Nesting Ducks (Michael K. Johnson*, Todd W. Arnold, Frank Rohwer)
Q.1.9: Kneece[^]	Nesting Ecology of Mottled Ducks in Coastal South Carolina (Molly R. Kneece*, J. Clay Shipes, J. Brian Davis, Ernie P. Wiggers, Richard M. Kaminski, Michael E. Colvin)
Q.1.10: Kohl	To Catch A Predator (Jeffrey D. Kohl*, Desmond Mackel, Cory T. Overton, Joseph P. Fleskes, Joshua T. Ackerman, Mark P. Herzog, Alex C. Hartman, Elliott Matchett, Caroline M. Brady, Cliff Feldheim, and Michael L. Casazza)
Q.1.12: Moore	Assessing Breeding-Site Fidelity of Spectacled Eiders on Kigigak Island, YDNWR, Alaska (Callie B. Moore, Kyle Spragens, Brian McCaffrey)
Q.1.13: Nicolai, G.[^]	Wood Duck Offspring are Not the Same Size as their Mothers but Those Offspring Which Breed are Large (Grace V. Nicolai*, Chris A. Nicolai)

Q.1.14: Skaggs^	Effects of Energy Development on Waterfowl Nesting Ecology in the Bakken Formation of North Dakota (Cassandra G. Skaggs*, Tait Ronningen, Kevin M. Ringelman, Kaylan Carrlson, Tanner Gue, Chuck Loesch, Frank Rohwer, Michael L. Szymanski)
Q.1.15: Skalos	Diurnal Habitat Use and Molt Location of Hen Mallards in Sacramento Valley, California (Daniel A. Skalos*, Melanie Weaver, John M. Eadie, Robert Blenk, Brian R. Olson)
Q.1.16: Stetter	Duckling Survival at the Edge of Scaup Range in Montana (Andrew P. Stetter*, Jeffrey M. Warren, David A. Hauko)
Q.1.17: Terry^	Variation in Egg Coloration in Wood Ducks (Catrina Terry, John M. Eadie)
Q.1.18: Towery^	A Methodology to Predict Canada Goose Breeding Pair Densities (Brenna N. Towery*, Robert W. Klaver, Guy G. Zenner)
Q.1.19: Warren	Previous Success and Current Body Condition Determine Breeding Propensity in Lesser Scaup: Evidence for the Individual Heterogeneity Hypothesis (Jeffrey M. Warren*, Kyle A. Cutting, John Y. Takekawa, Susan E. De La Cruz, Tony D. Williams, David N. Koons)
Q.2	Climate Change
Q.2.1: Ballard, B.	Predicting Sea-level Rise and its Effects on Wintering Redheads (Corey J. Lange, Bart M. Ballard*, Kris L. Metzger, Daniel P. Collins)
Q.2.2: Schummer	Use of Remote Cameras to Index Atlantic Population Canada Goose Migration (Jeffrey Benjamin, Michael L. Schummer*, Tyler Pelle James Eckler)
Q.2.3: Matchett	Scenario Impacts Modeling Of Waterfowl Habitat In California's Central Valley (Elliott L. Matchett*, Joseph P. Fleskes, David R. Purkey, Charles A. Young)
Q.2.4: Moon	Integrating Sea-Level Rise and Anthropogenic Change into Mottled Duck Conservation (Jena A. Moon*, Sarah Lehnen, Kris Metzger, Stephen Sesnie, David A. Haukos, Warren C. Conway)
Q.2.5: Osborne	Co-occurrence of Shifting Winter Distributions of Midcontinent White-Fronted Geese and Rice Acreage (Douglas C. Osborne*, Ryan J. Askren, Chris Watt)
Q.3	Habitat
Q.3.1: Blake-Bradshaw	Wetland Quantity and Quality for Waterbirds in Illinois (Abigail G. Blake-Bradshaw*, Heath M. Hagy, Jeffrey Matthews)
Q.3.2: Bloom	Monitoring a Bird Response To Restoration Efforts at Delta Marsh (Pauline M. Bloom*)
Q.3.3: Clark^	Waterfowl and Stock Pond Forage Resource Relationships in West Texas (Lisa A. Clark*, Samantha S. Kahl, Blake A. Grisham, Dan Collins)

Q.3.4: Gabor	Environmental Impacts of Wetland Loss in a Prairie Watershed: Implications for Waterfowl (Pascal H. Badiou*, Bryan Page, Lyle Boychuk, Shane Gabor, Wanhong Yang)
Q.3.5: Hidden^	Modeling Inundation of Missouri's National Wetland Inventory Wetlands in Autumn (Brian S. Hidden*, Elisabeth B. Webb, Andy H. Raedeke)
Q.3.6: VonBank^	Energetic Carrying Capacity in the Upper Illinois River for Waterfowl (Jay A. VonBank*, Heath M. Hagy, Andrew F. Casper, Aaron P. Yetter)
Q.3.7: Vrtiska1	Balancing Social and Ecological Objectives in the Platte River Watershed (Jonas Davis, Kaylan Carrlson, Brice Krohn, Matt Reddy, Kirk Schroeder, Greg Stoebner, Bill Taddicken, Mark P. Vrtiska*, Patrick K. Devers)
Q.3.8: Schepker	Spring Food Resource Availability In Public, Cropped, and Wetlands Reserve Program Playas (Travis J. Schepker*, Elisabeth Webb, Ted LaGrange)
Q.3.9: Cofield^ & Clements^	Aquatic Invertebrate Biomass and Composition in Managed South Carolina Coastal Wetlands (Nicholas Masto, Carley Cofield*^, Stephen Clements*^, Chase Cross, Jacob Lazarus, Matthew Marbert, Aurthur Amick, Adam Brown, Ford Courtney, Charles Gallman, Sylvan Jennings, Madeline Thatcher, Joel Turner, Mary Wilkinson, Taylor Byars, Christopher Dukes, Aaron Dunn, Jacob Smith, Jeremy Pike, Greg Yarro, Rick Kaminski)
Q.3.11: Hobson^ & Drummond^	Monitoring the Effects of Hurricane Sandy Salt Marsh Restoration on Prime Hook National Wildlife Refuge for American Black Duck Carrying Capacity (Sara Hobson*^, Elisabeth Drummond*^, Christopher Williams)
Q.4	Management
Q.4.1: de Sobrino	Distribution and Derivation of California Dabbling Duck Harvests (Cristina de Sobrino*, Todd W. Arnold, Cliff Feldheim)
Q.4.2: Feaga	Waterbird Use of Catfish Ponds and Migratory Bird Habitat Initiative Wetlands in Mississippi (James S. Feagai*, Francisco J. Vilella, Richard M. Kaminski, J. Brian Davis)
Q.4.3: Gue	Effects of Oil and Gas Development on Duck Production in the Prairie Pothole Region of North Dakota and Montana (C. Tanner Gue*, Kaylan M. Carrlson, Johann Walker, Charles R. Loesch, Michael L. Szymanski)
Q.4.4: Krainyk^	Validation and Refinement of a Decision Support Tool for Mottled Duck Habitat Conservation in the Western Gulf Coast (Anastasia Krainyk*, Bart M. Ballard, Michael G. Brasher, Barry C. Wilson, Jena A. Moon)
Q.4.5: Malanchuk^	Characteristics of Box and Natural Cavities for Nesting Waterfowl in Northern Vermont (Boomer L. Malanchuk, Jacob N. Straub)

Q.4.6	McCarty	Turning Disaster into Relief for the Greatest Habitat Crisis on the Continent (Alonda L. McCarty*, Michael R. Carloss)
Q.4.7:	Morissette1	Are Boreal Waterfowl Resilient to Disturbance by Forestry and Agriculture? (Julienne L. Morissette*, Glenn G. Mack, Stuart M. Slattery)
Q.4.8:	Morissette2	Reducing Risk of Incidental Take in Canada's Boreal Forest (Kylie McLeod, Julienne Morissette*, Bev Gingras, Chris Smith)
Q.4.9:	Smith	The Effect of Delayed Drawdown on Moist-Soil Seed Production (Daniel J. Smith, Brian W. Olson, John M. Eadie)
Q.4.10:	Whitson1^	Waterfowl Identification Skills By Duck Hunters On The Upper Texas Coast (Michael D. Whitson*, Thomas V. Riecke, Warren C. Conway, David A. Haukos, Jena A. Moon, Patrick Walther)
Q.4.11:	Whitson2^	Seed Bank Potential of Moist-soil Managed Fallow Rice Fields on the Upper Texas Coast (Michael D. Whitson*, Warren C. Conway, David A. Haukos, Daniel P. Collins)
Q.5	Techniques	
Q.5.1:	Fowler^	Using Isotopic Signatures of Arctic and Sub-arctic Nesting Colonies to Determine Breeding Origin of Harvested Lesser Snow Geese (Drew N. Fowler*, Elisabeth B. Webb, Keith A. Hobson, Mark P. Vrtiska)
Q.5.2:	Gilbert^	Detection Probability and Disturbance of Waterfowl During Aerial Surveys (Andrew D. Gilbert*, Heath M. Hagy, Christopher N. Jacques, Aaron P. Yetter)
Q.5.3:	Hill	Enhancing Prey Availability Damaged by Oil Spill for Migratory Waterfowl in San Francisco Bay (Mason Hill, Kyle A Spragens, John Y. Takekawa, Susan E.W. De La Cruz)
Q.5.4:	Kilchenstein	An Improved Technique for Attaching Backpack Transmitters on Diving Duck (Charlotte B. L. Kilchenstein*, Kevin M. McBride, Alicia M. Wells-Berlin, Jonathan L. Fiely)
Q.5.5:	Lutmerding	Bird Banding Laboratory Information and Bandit Data Entry Assistance (Jo Anna Lutmerding*)
Q.5.6:	Malachowski^	Extrusion of Coelomically Implanted Radio Transmitters from Hawaiian Ducks (Christopher P. Malachowski*, Bruce D. Dugger, Darryl J. Heard)
Q.5.7:	Richmond	Refining a Monitoring Design for the San Francisco Estuary Midwinter Waterfowl Survey: Challenges and Opportunities (Orien M. W. Richmond*, Guthrie S. Zimmerman, Cheryl M. Strong)
Q.5.8:	Savoy	Successful Breeding and Egg Formation of Satellite Marked Common Eiders (Lucas Savoy*, Chris Dwyer, Glenn H. Olsen, Samantha E.J. Gibbs, Randall M. Mickley)

Q.5.9: Schummer	Using Go-Pro Video Cameras to Estimate Differential Susceptibility Among Species-Sex Cohorts of Ducks to Capture in Montezuma Confusion Traps (Michael L. Schummer*, Alison Bickert, Brianna Robinson, Zoe Schapira, Michael Valentino, Jonathan Cohen, Frank Morlock, James Eckler)
Q.5.10: Sedinger, B.^	Scaling Nevada's Historical BPOP Data to Adjust for Changes in Survey Design (Benjamin S. Sedinger*, Christopher A. Nicolai, Russell Woolstenhulme)
Q.5.11: Sheppard^	Effects of Handling, Holding, and Surgical Times on Survival and Reproductive Performance of Female Mallards (Jennifer L. Sheppard*, Todd Arnold, Courtney L. Amundson, Todd Dennis, David Klee)
Q.5.12: Thimot^	Potential Effects of Subcutaneous Transmitters on a Pursuit-diving Duck (Natalie J.Thimot*, Shawn R. Craik, Rodger D. Titman)

Poster Session II	
THURSDAY, 4 FEBRUARY 2016	
19:00 - 22:00 <i>Annapolis Ballroom</i>	
R.1	Conservation Planning
R.1.1: Fields	The Prairie Pothole Joint Venture Implementation Plan: A Road Map for Integrated Bird Conservation in the Northern Prairies of the United States (Sean Fields*, Casey Stemler, Neal Niemuth)
R.1.2: Kaminski, M.	Making a Wetlands Splash for Waterfowl during Texas Drought (Matthew R. Kaminski*, M. Todd Merendino)
R.1.3: Slattery	Conserving Canada's Boreal Duck Populations Using Systematic Conservation Planning (Lindsay McBlane, Julienne L. Morissette, Stuart M. Slattery*, Kevin Smith)
R.2	Foraging Ecology
R.2.1: Bachman	Assessment of Important Food Plants for Dabbling Ducks During the Nonbreeding Season at Modoc National Wildlife Refuge, California (Cameron T. King, Holly L. Ferrara, Dominic C. Bachman*)
R.2.2: Blenk^	Digestive Organ Morphology as an Indicator of Dietary Ecology in the Hawaiian Duck (Robert H. Blenk, Bruce Dugger)
R.2.3: Colmorgen^	Building a Predictive Model of Submerged Aquatic Vegetation for Atlantic Brant using Remote Sensing and In-situ Sampling (Chase Colmorgen*, Christopher K. Williams)
R.2.4: Fara^	Migration Patterns, Habitat Use, Food Habits, and Harvest Characteristics of Long-tailed Ducks Wintering on Lake Michigan (Luke Fara*, Kevin Kenow, Michael Eichholz, Steven Houdek)
R.2.5: Holland	Dietary Analysis of Plastics in Digestive Tracts of Freshwater Birds (Erika R. Holland*, Mark L. Mallory, Dave Shutler)
R.2.6: Huck	Diet of Female Northern Pintails Wintering along the Texas Coast (Nathaniel R. Huck*, Matthew J. Garrick, Bart M. Ballard, Kevin Kraai, Matt R. Kaminski)
R.2.7: O'Connor^	The Foraging Habits and Resultant Functional Response of American Black Ducks (Jessica L. O'Connor*, Alicia M. Wells-Berlin, Patrick C. Kangas, Jennifer Murrow)
R.2.8: Varner	An Assessment of Landscape Carrying Capacity for Waterfowl in Nebraska's Rainwater Basin (Ele Nugent, Andy Bishop, Roger Grosse, Ted LaGrange, Dana Varner*, Mark Vrtiska)
R.3	Harvest
R.3.1: Austin	Multi-Scaled Analyses of Lesser and Greater Scaup Harvest in North America (Gregory J. Soulliere, Jane E. Austin*, Benjamin M. Kahler)

R.3.2: Bonczek	Harvest Distribution of Mallards Marked on the Yukon-Kuskokwim Delta, Alaska (Elizabeth S. Bonczek*, Callie B. Moore, Kyle A. Spragens)
R.3.3: Brady	Direct Recovery Rates of Egg Salvaged and Wild Mallards in California, 1986-2014 (Caroline M. Brady*, Mark P. Herzog)
R.3.4: Miller, C.	Using Waterfowl Harvest Data to Investigate Efficacy of Non-toxic Shot Regulations (Craig A. Miller*, Brent D. Williams)
R.3.5: Olsen, D.	Banding Cinnamon Teal throughout the Intermountain West to Improve Information for Management (Dave Olson*)
R.3.6: Amundson1	The Effect of Harvest Regulations on Hunter Effort, Harvest Rates, and Annual Survival of Mallards and Grey Ducks in New Zealand (Matthew B. McDougall, Courtney L. Amundson*)
R.4	Migration
R.4.1: Amundson2	Population Change Varies by Trophic Level and Migration Strategy for Arctic-breeding Waterfowl (Courtney L. Amundson, Paul L. Flint, Robert Stehn, Robert Platte, Heather Wilson, Julian Fischer)
R.4.2: Knox^	Waterfowl Migration Chronology and Food Production at Great Swamp National Wildlife Refuge (Sean R. Knox*, Dorothy M. Fecske, Frank K. Ammer)
R.4.3: Lavretsky	Exploring Fall Migration Patterns of Northern Pintail Using Band-Recovery Data (Philip Lavretsky*)
R.4.4: Pearse, A.	Distribution of Spring Migrating Waterfowl along the North and South Platte Rivers in Western Nebraska (Aaron Pearse*, Dana Varner, Rob Spangler, John Denton, Jonas Davis, Kirk Schroeder, Mark P. Vrtiska, Emily Munter, Heather Johnson)
R.4.5: Simms	A Test of the Migration-Modulation Hypothesis in a Non-Passerine Neotropical Migrant, the Blue-Winged Teal, <i>Anas discors</i> (C. Morgan Wilson, Christopher G. Sims*, Stephan J. Schoech, Sarah K. Peltier, Zac L. Robinson)
R.4.6: Vrtiska2	Factors Influencing Body Mass of Spring-migrating Female Northern Pintails (Mark P. Vrtiska*, Matt Haugen, Rich Walters)
R.4.7: Wells-Berlin	Migration, Phenology, and Philopatry of Long-tailed Ducks Wintering on the Atlantic Coast (Alicia M. Wells-Berlin*, Matthew C. Perry, Jonathan Fiely)
R.5	Physiology
R.5.1: Amundson3	Infection Dynamics of Helminths in Arctic and Sub-arctic Breeding Geese (Courtney L. Amundson*, Autumn Smith-Herron, Nicole Traub, Paul L. Flint)
R.5.2: Amundson4	Mallard Duckling Survival and Brood Habitat Selection in Southland, New Zealand (Erin J. Garrick, Courtney L. Amundson*, Philip Seddon)

R.6.3 Ballard, D.^	Survey of Gizzard Helminths in Female Northern Pintails (Derek C. Ballard*, Matthew J. Garrick, Bart M. Ballard, Alan M. Fedynich)
R.6.4 Dorak^	Micro-site Climatic Conditions Associated with Urban Thermal Refugia used by Canada Geese During Winter (Brett E. Dorak*, Heath M. Hagy, Mike P. Ward)
R.5.5 Drahota	Spatial and Temporal Differences in Anatid Body Condition and Forage Preference During Spring Migration in the Rainwater Basin, Nebraska (Jeff L. Drahota*, Dustin Casady, Mery Casady, Ryan Walters)
R.5.6: Elmberg	Farmed European Mallards are Genetically Different and Cause Introgression in the Wild Population Following Releases (Johan Elmberg*, Pär Söderquist, Gunnar Gunnarsson, Carl-Gustaf Thulin, Jocelyn Champagnon, Matthieu Guillemain, Jakub Kreisinger, Herbert H. T. Prins, Richard P. M. A. Crooijmans, Robert H. S. Kraus)
R.5.7: Guillemain1	Biases in Duck Body Mass Measurements at Banding (Matthieu Guillemain*, François Cavallo, Grégoire Massez, Thierry George, Jean-Pierre Baudet, Pierre Gonzalez, Valérie Ducasse, Emmanuel Caillot, Benoît Lecaplain, Luc Tison, Natacha Piffeteau, Jean-Pierre Artel, Jocelyn Champagnon)
R.5.8: Guillemain2	Is Swabbing for Avian Influenza a Safe Technique for Ducks? (Matthieu Guillemain*, Jocelyn Champagnon, Marie-Lucile Gourlay-Larour, François Cavallo, Anne-Laure Brochet, Jean Hars, Grégoire Massez, Thierry George, Pierre-Yves Perroi, Véronique Jestin, Alain Caizergues)
R.5.9: Hinton^	Exploring the Development of Personality in Captive-reared and Released Waterfowl (Mitchell G. Hinton, John Eadie, Andrea K. Townsend)
R.5.10: Huck	Lead Ingestion by Female Northern Pintails Along the Texas Coast (Nathaniel R. Huck*, Bart M. Ballard, Alan M. Fedynich, Kevin Kraai, Mauro E. Castro)
R.5.11: Latty	Diseases as Potential Limiting Factors in Common Eider Nesting in the Beaufort Sea, Alaska (Christopher J. Latty*, Tuula Hollmen, Claire Montgomerie, Katrina Counihan)
R.5.12: Marty^	Index of Spent Shot in Louisiana and Texas Gulf Coast Prairie Ricelands (Joseph R. Marty*, J. Brian Davis, Richard M. Kaminski, Michael G. Brasher, Erin Brinkman)
R.5.13: McGrew	Captive Raised Duckling Growth Models for Sea Ducks and Dabbling Ducks (Kathleen A. McGrew*, Sarah Fitzgerald, Alicia M. Wells-Berlin)
R.5.14: McPherson^	Estimating Behavioral Multipliers to Resting Metabolic Rate in American Black Duck and Lesser Scaup (Jacob McPherson*, Christopher Williams, Alicia Berlin, John Coluccy)

R.5.15: Olsen, G.	Hematology and Chemistry of Wild Scoters and Long-tailed Ducks (Glenn H. Olsen*, Alicia M. Wells-Berlin, Sara E. Crowell, Kathleen A. McGrew)
R.5.16: Skalos	Validated Indices to Predict Body Condition of Pacific Greater White-fronted Geese (Daniel A. Skalos*, John M. Eadie, Daniel Yparraguirre, Melanie L. Weaver, Shaun L. Oldenburger, Craig R. Ely, Joseph P. Fleskes)
R.5.17: Spragens	Avian Influenza and Foraging Waterfowl in Spring; an Ecologically-based Study Design (Kyle A Spragens*, Mason Hill, Erica Spackman)
R.6 Population Dynamics	
R.6.1: Deane[^]	Potential Nasal-marker Effects On Lesser Scaup Vital Rates (Cody E. Deane, Jay J. Rotella, Jeffrey M. Warren, David N. Koons, Robert R. Garrot)
R.6.2: Nicolai, C.	Using Pre-season Duck Banding Data to Estimate Population Size and Variation in Body Condition Across Different Wetland Management Regimes in Terminal Wetlands in Nevada (Chris A. Nicolai*, Russell J. Woolstenhulme)
R.6.3: Raquel[^]	Patterns of Duck Community Composition in the Prairie Pothole Region and Southern Boreal Forest (Amelia J. Raquel*, Robert G. Clark)
R.6.4: Ross, M.	Ecological Factors Affecting Midcontinent Light Goose Recruitment (Megan V. Ross*, Ray T. Alisauskas, Dana K. Kellett)
R.7 Winter Ecology	
R.7.1: Slown[^]	Winter Ecology of Temperate-Breeding and Interior Canada Geese in the Greater Chicago Metropolitan Area (Kendra E. Slown*, Michael W. Eichholz, Brett E. Dorak, Heath M. Hagey)
R.7.2: lemola[^]	A New Hypothesis for Explaining Differences in Winter Distributions of Male and Female Ducks in North America (Elyse lemola, Michael L. Schummer, Michael Valentino)
R.7.3: Towery[^]	Monitoring the Effects of Hurricane Sandy Salt Marsh Restoration on Forsythe National Wildlife Refuge for American Black Duck Carrying Capacity (Brenna Towery [^] *, Christopher Williams)