



**USGS Patuxent Wildlife Research Center
Annual Science Meeting
Governor Calvert House
Annapolis, Maryland**

Tuesday, February 15, 2000

7:30AM -	8:30AM	-	Reception, Registration - <i>Atrium, Hypocast</i>
7:30AM -	10:00AM	-	Exhibit Setup - <i>Atrium</i>
8:30AM -	4:30PM	-	Science Posters & Help Desk: Library, IRM, Science Support - <i>Atrium</i>
8:30AM -	9:00AM	-	Welcome, Introductions - <i>Governor's Hall</i> (James Kushlan)
9:00AM -	11:00AM	-	Center Secretaries' Meeting - <i>O'Brien's</i> (Marilyn Whitehead)
9:00AM -	9:30AM	-	Report Annual Meeting Results - <i>Governor's Hall</i> (Dick Jachowski)
9:30AM -	10:00AM	-	BREAK - <i>Atrium</i>

Tuesday, February 15, 2000



West Chamber

Session I - Contaminants
Barnett Rattner

10:00AM Organochlorine
Contaminant
Exposure and
Reproductive
Success of
'Industrial Strength'
Black-Crowned Night
Hérons Nesting in
Baltimore Harbor -
Barnett Rattner

10:20AM Lead Poisoning of
Passerines at a Trap
and Skeet Range -
Nimish Vyas

10:40AM Research Behind the
Coeur d' Alene River
Natural Resource
Damage Assessment
- Nelson Beyer

Calvert/East Chamber

Session II - Migratory Bird
Conservation and
Management - Dick
Jachowski, Marshall Howe

10:00AM Overview of North
American Bird
Conservation Initiative -
David Pashley

10:25AM North American Bird
Conservation Initiative
Bird Conservation Regions
- Rex Johnson

10:40AM Perspective of Waterfowl
Joint Ventures - Seth Mott

10:50AM North American Colonial
Waterbird Plan - Melanie
Steinkamp

Jonas Green Room

Session III -
Urban Issues - Dick Hammerschlag

10:00AM Conceptualizing Urban Issues
- Dick Hammerschlag

Session IV -



Tuesday, February 15, 2000

West Chamber

Session I -Contaminants -
Barnett Rattner

11:00AM Contaminant Impacts
to Early Life Stages
of the Robust
Redhorse in the
Lower Oconee River -
Peter Laiser

11:20AM Tree Swallows
Bioaccumulate
Mercury at Acadia
National Park - Jerry
Longcore

12:00PM

Calvert/East Chamber

Session II -Migratory Bird
Conservation and Management -
Dick Jachowski, Marshall Howe

11:00AM U.S. Shorebird Plan -
Stephen Brown

11:10AM Partners-In-Flight - Ken
Rosenberg

11:40AM Analytic Support of Bird
Conservation Plans -John
Sauer

Jonas Green Room

Session III - Urban Issues -
Richard Hammerschlag

LUNCH



Tuesday, February 15, 2000

West Chamber		Calvert/East Chamber		Jonas Green Room		Blue Room	
Session I - Recreation Ecology - Jeff Marion		Session II - Migratory Bird Conservation and Management - Dick Jachowski, Marshall Howe		Session IV - Secretaries/Admin Meeting - Pat Trexler/Marilyn Whitehead		Session IV Center Safety Committee Pete Albers	
1:30PM	Implications for the Management of Visitor Impacts in Protected Areas - Jeff Marion	1:30PM	Advances in the Bird Banding Laboratory - John Tautin	1:30PM	Secretaries/Admin Meeting - Pat Trexler, Marilyn Whitehead	1:30PM	Center Safety Committee/Field Stations Leaders - Pete Albers
		1:45PM	Introduction of Band Manager Software - Mary Gustafson				
		1:55PM	Development of a Recapture Database - Paul Doherty				
		2:05PM	Breeding Bird Survey Update - Keith Pardieck				
2:15PM	Visitor Impacts to Wildlife and Their Management - Jeff Marion	2:15PM	Development of the Colonial Waterbird Population Database - Melanie Steinkamp				
		2:25PM	Development of a Partners- In-Flight Point Count Database - Mark Wimer				



Tuesday, February 15, 2000

West Chamber

Session I -
Recreation Ecology -
Jeff Marion

Calvert/East Chamber

Session II - Migratory Bird
Conservation and Management -
Dick Jachowski, Marshall Howe

Jonas Green Room

Session III -
Center Secretaries/ Admin. Meeting
Pat Trexler/MarilynWhitehead

Session IV -

2:35PM Other Developments and
Future Directions in the
Patuxent Wildlife Research
Center Monitoring
Program - Bruce Peterjohn

2:45PM Discussion

3:00PM

BREAK

West Chamber

Session I -
Wildlife Genetics -
Mark Melancon

Calvert/East Chamber

Session II - Migratory Bird
Conservation and Management -
Dick Jachowski, Marshall Howe

Jonas Green Room

Session III -
Center Secretarial/Admin. Meeting
Pat Trexler, Marilyn Whitehead

3:30PM Case Studies of the
Applications of
Genetics to Crane
Research at Patuxent
- George Gee

3:30PM Caveats Regarding Count
Survey Data -Bill Link

3:30PM Center Secretaries/Admin.
Meeting - Trexler/Whitehead



Tuesday, February 15, 2000

West Chamber

Session I -
Wildlife Genetics -
Mark Melancon

Calvert/East Chamber

Session II - Migratory Bird
Conservation and Management -
Dick Jachowski, Marshall Howe

Jonas Green Room

Session III -
Center Secretarial/Admin. Meeting
Pat Trexler, Marilyn Whitehead

3:40PM Integrating Genetic
and Spatial Data:
Sleuthing Fecundity
and Mating Patterns
in a Brood Parasite -
Caldwell Hahn

3:45PM Application of Adaptive
Management - Bill Kendall

3:50PM Genetics Approaches
- Mark Melancon

4:00PM Lessons from the South:
Bird Conservation in the
Lower Mississippi Valley -
Ken Reinecke, Dan Twedt

4:10PM Questions and
Answers Session -
Mark Melancon

4:20PM Discussion and Wrap Up



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- 8:00AM - 8:30AM - Reception, Registration - *Atrium, Hypocast*
8:30AM - 5:00PM - Science Posters & Help Desk: Library, IRM, Science Support - *Atrium*

West Chamber

Session I -
Coastal Science
Janet Keough

8:30AM Development of
Shoreline Monitoring
Protocol, Cape Cod
National Seashore -
James Allen

8:50AM Understanding Food
Web Linkages in the
Chesapeake Bay -
Janet Keough

Calvert/East Chamber

Session II
Monitoring in Parks and
Refuges -
Sam Droege, Marshall Howe

8:30AM Introduction, Monitoring
Mandates and Issues in
National Parks and
National Wildlife Refuges -
Sam Droege

8:45AM National Park Service -
Beth Johnson

9:00AM Fish and Wildlife Service -
Jay Hestbeck



Wednesday, February 16, 2000

West Chamber

Session I -
Coastal Science -
Janet Keough

9:10AM Thoughts on Coastal
Science - Suzette
Kimball

9:30AM BREAK

West Chamber

Session I -
Habitat and Landscape-
Mary Freeman

10:00AM A Southeastern
Perspective on a
Global Problem:
Conserving Species
Diversity in an
Altered Landscape -
Mary Freeman

Calvert/East Chamber

Session II
Monitoring in Parks and
Refuges - Sam Droege,
Marshall Howe

9:15AM Discussion - Sam Droege

9:30AM BREAK

Calvert/East Chamber

Session II
Monitoring in Parks and
Refuges - Sam Droege,
Marshall Howe

10:00AM Discussion Continued -
Sam Droege, Marshall
Howe

Jonas Green Room

Session III
Contaminant Ecology in the Future
John French

10:00AM Contaminant Ecology in the
Future - John French



10:20AM An Aerial Sample
Survey of Habitat
Management by
Private Landowners
in the Mississippi
Alluvial Valley - Ken
Reinecke

Wednesday, February 16, 2000

West Chamber

Session I -
Habitat and Landscape-
Mary Freeman

10:40AM Progress Through
Partnerships: A
Guatemala Example -
Chan Robbins,
Barbara Dowell

11:00AM Moist-Soil
Management of
Wetland
Impoundments for
Plants and
Invertebrates - Matt
Perry

11:20AM Mammal Use of
Restored Wetlands
as an Index of
Biological Integrity -
Matt Perry

Calvert/East Chamber

Session II
Monitoring in Parks and
Refuges - Sam Droege,
Marshall Howe



12:00PM

LUNCH

Wednesday, February 16, 2000

West Chamber

Calvert/East Chamber

Jonas Green Room

Blue Room

Session I -
Species and Populations
Jeff Spendelow

Session II
How Science Really Works
Gary Heinz

Session III
Developing a Scientific Basis for
Integrated Long-Term Monitoring of
Atlantic Coastal Parks and Refuges -
Hilary Neckles, Glenn Guntenspergen,
Michael Erwin, Charles Roman

Session IV
National Park Service Partners
Meeting - Dick Jachowski

1:30PM Implications of
Recent Research to
the Management and
Recovery of Roseate
Terns -Jeff
Spendelow

1:30PM Black Ducks, Sootsayers,
and Red Herrings - Jerry
Longcore

1:30PM Introduction & Objectives -
Hilary Neckles

1:30PM National Park Service
Partners Meeting -
Dick Jachowski

1:40PM National Park Service Coastal
Monitoring Needs - Beth
Johnson



1:50PM Avian Colonization
of Bottomland and
Hardwood
Afforestation in the
Mississippi Alluvial
Valley - Dan Twedt

2:10PM Painted Bunting
Recovery: Landscape
and Habitat
Management may
not be the Solution -
Joe Meyers

1:55PM Fish and Wildlife Service
Coastal Monitoring Needs -
(Presenter TBA)

2:10PM National Park Service
Prototype Monitoring
Protocol Development - Cape
Cod National Seashore -
Charles Roman

Wednesday, February 16, 2000

West Chamber

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Jeff Spendelow

Calvert/East Chamber

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Gary Heinz

Jonas Green Room

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Developing a Scientific Basis for
Integrated Long-Term Monitoring of
Atlantic Coastal Parks and Refuges -
Hilary Neckles, Glenn Guntenspergen,
Michael Erwin, Charles Roman

Session IV

2:25PM National Science Foundation
Long-Term Ecological
Research Program - Michael
Erwin



2:30PM On the Trail of the
Sora Rail: Review of
Studies on the
Patuxent River Marsh
- Mike Haramis

2:30PM Reliable Knowledge from
Unreliable Observations:
The Critical Role of
Research in Developing
and Maintaining
Monitoring Programs -
John Sauer

2:40PM U.S. Environmental Protection
Agency 2000 Monitoring
Program - (Presenter TBA)

2:50PM Fall Survival of
American Woodcock
- Dan McAuley

2:55PM Overview of Discussion -
Glenn Guntenspergen

3:00PM Discussion

Wednesday, February 16, 2000

West Chamber

Session I -
Species and Populations
Jeff Spendelow

3:10PM Amphibian Surveys
by Canoe Along the
Rio Grande in Big
Bend National Park -
Robin Jung

Calvert/East Chamber

Session II
How Science Really Works
Gary Heinz

Jonas Green Room

Session III
Developing a Scientific Basis for
Integrated Long-Term Monitoring of
Atlantic Coastal Parks and Refuges -
Hilary Neckles, Glenn Guntenspergen,
Michael Erwin, Charles Roman

Blue Room

Session IV
AMAT Meeting -
Dick Jachowski



3:30PM

BREAK

3:30PM

AMAT Meeting -
Dick Jachowski, Bob
Blohm

4:00PM

4:00PM

Running Endangered
Species Research without
Money - George Gee

4:00PM

Discussion

4:20PM

4:40PM

4:50PM

Summary

5:00PM

Reception - Harry Brown's (Next Door, 2nd Floor)

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8:00AM -

8:30AM

-

Reception, Registration - *Atrium, Hypocast*

8:30AM -

5:00PM

-

Science Posters & Help Desk: Library, IRM, Science Support - *Atrium*

West Chamber

Calvert/East Chamber

Jonas Green Room

Blue Room



Session I -
Invasive Species
Matt Perry

8:30AM Selected Invertebrate
Invasive Species -
Howard Ginsberg

8:50AM National Perspective
on an Invasive
Mammal - Dixie
Bounds

Session II
Modeling and Estimation of Animal
Distribution and Population
Dynamics
John Sauer

8:30AM Reconciling Scientific,
Management, and
Educational Uses of Bird
Inventories - John Sauer

9:00AM On Bugs and Birds: An
Introduction to Markov
Chain Monte Carlo - Bill
Link

Session III
U.S. Fish and Wildlife Service,
R5
Meeting
Dick Jachowski

8:30AM U.S. Fish and Wildlife
Service - Region 5
Partners Meeting -
Dick Jachowski

Thursday, February 17, 2000

West Chamber

Calvert/East Chamber

Jonas Green Room

Blue Room

Session I -
Invasive Species
Matt Perry

9:10AM Case Study of an
Invasive Mammal -
Mike Haramis

9:30AM

Session II
Modeling and Estimation of Animal
Distribution and Population
Dynamics
John Sauer

BREAK

Session III

Session IV
U.S. Fish and Wildlife Service,
R5
Meeting
Dick Jachowski

U.S. Fish and Wildlife
Service - Region 5
Partners Meeting -
Continued



10:00AM Populations and Trends of Invasive Birds - Bruce Peterjohn

10:00AM Estimating Probability of Breeding for Sea Turtle Populations Based on Capture-Recapture Data - Bill Kendall

10:20AM Invasive Plant Considerations - Dick Hammerschlag

10:30AM Demography of a Declining Population of Northern Idaho Ground Squirrels - Mike Runge

10:40AM Case Studies of an Invasive Plant - Steve Ailstock

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West Chamber

Calvert/East Chamber

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Blue Room

Session I -
Invasive Species
Matt Perry

Session II
Modeling and Estimation of Animal
Distribution and Population
Dynamics
John Sauer

Session III

Session IV
Breeding Bird Survey Peer
Review Meeting - Raymond
O'Connor



11:00AM Park Service
Perspective of
Invasive Plants - Sue
Salmons

11:00AM Predicting Bird Responses
to Alternative
Management Scenarios on
a Ranch in Campeche,
Mexico - Deanna Dawson

11:00AM BBS Peer Review
Meeting -Raymond
O'Connor

11:20AM Final Comments

11:30AM Analysis and Comparison
of Mourning Dove
Population Surveys in the
Eastern United States -
John Sauer

12:00PM

LUNCH

West Chamber

Calvert Chamber

East Chamber

Jonas Green Room

Session I -
Meeting Today's Challenges:
Research in the Biological
Survey - Bob Reynolds

Session II
Pollinators
Howard Ginsberg

Session III
Declining Species
George Gee

Session IV
Formulation Future Directions
for USGS in the Chesapeake
Bay Restoration - Scott Phillips

1:00PM Introductions - Scott
Phillips

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for USGS in the Chesapeake
Bay Restoration - Scott Phillips



1:15PM Living Resources -
Edward Pendleton

1:30PM Introduction - Roy
McDiarmid

1:30PM Pollinators - Howard
Ginsberg

1:30PM Biological Evidence for a Role
of Pesticides in Declines of
Amphibian Populations in the
Sierra Nevada Mountains -
Don Sparling, Gary Fellers,
Mark Melancon, L. Long

1:45PM History of the
Biological Survey -
Al Gardner, Richard
Banks

2:00PM Collections and the
U.S. National
Museum - Bob
Reynolds

2:00PM Overview of the Whooping
Crane Recovery Program -
George Gee

2:00PM Vital Habitat - Dick
Jachowski

2:15PM Overview of
Research Activities -
Richard Banks,
Mercedes Foster,
Roy McDiarmid

2:15PM Lessons from Motorized
Migrations - David Ellis

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West Chamber

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Session I -
Meeting Today's Challenges:
Research in the Biological
Survey - Bob Reynolds

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Pollinators
Howard Ginsberg

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Declining Species
George Gee

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Formulation Future Directions
for USGS in the Chesapeake
Bay Restoration - Scott Phillips

		2:30PM	Open Session	2:30PM	Preliminary Results of the Utah-Arizona Stage by Stage Migration - Carolee Mellon		
2:45PM	Conservation and Training - Mercedes Foster			2:45PM	One by One Method for Releasing Cranes - Matt Kinloch	2:45PM	Water Quality - Scott Phillips
		2:50PM	Open Session				
3:00PM	Professional Responsibility - Richard Banks			3:00PM	Natural Fertility in Cranes - Jane Nicolich		
		3:10PM	Open Session				
3:15PM	Discussion - Bob Reynolds			3:15PM	Ingested Metal in Whooping Cranes: An endoscopic Technique for Removal - Glenn Olsen		
3:30PM			BREAK			3:30PM	Sound Land Use - Robert Shedlock
4:00PM			Plenary Synthesis and Conclusions - <i>Governor's Hall</i> (Kushlan)				
						4:30PM	Wrap Up - Scott Phillips
5:00PM					POSTER REMOVAL		