

TUESDAY 15 JULY

8:00 am

038. Workshop: The Road to Recovery; Science to Secure Freshwater Mollusk Biodiversity Convention Center, Meeting Room 13/14

Organized by: Rachel Claire Muir

A SPATIAL AND TEMPORAL SCALE MONITORING APPROACH TO RECOVER AND SUSTAIN FRESHWATER MOLLUSKS WITH EMPHASIS ON COMMUNITIES, POPULATIONS, AND INDIVIDUALS
*Alan D. Christian; John L. Harris

AMPHIBIAN RECOVERY UNDER THE ENDANGERED SPECIES ACT *Deborah Crouse

APPLYING CONSERVATION GENETICS TO THE RECOVERY OF FRESHWATER MOLLUSKS *Timothy L. King

CONTEXT-DEPENDENT EFFECTS OF FRESHWATER MUSSEL COMMUNITIES ON STREAM ECOSYSTEM FUNCTION. *Caryn C. Vaughn

EXAMPLES OF GENETIC VARIATION IN IMPERILED FRESHWATER MUSSELS AT DIFFERENT SPATIAL SCALES AND THE IMPLICATIONS FOR SPECIES CONSERVATION. *Kevin J. Roe

FRESHWATER MUSSELS: CHALLENGING CONSERVATION EFFORTS IN A RACE AGAINST TIME *George Watters

GLOBAL DIVERSITY AND CONSERVATION OF FRESHWATER MOLLUSKS: CAUSES, CONSEQUENCES AND CHALLENGES FOR THE FUTURE *Arthur E. Bogan; Ellen E. Strong

HYDROPHYSICAL FACTORS AFFECTING NATIVE MUSSEL DISTRIBUTIONS IN LARGE RIVERS *Steven Zigler; Teresa J. Newton

MINIMIZING GENETIC RISKS ASSOCIATED WITH HATCHERY PROPAGATION AND AUGMENTATION OF FRESHWATER MUSSEL SPECIES *Gregory R. Moyer

PROGRESS IN FRESHWATER MUSSEL CULTIVATION AND RECOVERY AT VIRGINIA'S AQUATIC WILDLIFE CONSERVATION CENTER *Nathan Lee Eckert

RE-EVALUATING THE ROLE OF DAMS IN SOUTHEASTERN FRESHWATER MOLLUSK CONSERVATION STRATEGIES *Michael M. Gangloff

RECOVERY UNDER THE ENDANGERED SPECIES ACT: THE ROLES OF SCIENCE AND POLICY *James Michael Scott; Maile Catherine Neel; Aaron Haines; Dale Goble

THE METRICS OF RECOVERY: LINKING DECISION-MAKING AND MONITORING FOR THREATENED AND ENDANGERED SPECIES *Michael C. Runge

THE ROLE OF FRESHWATER MUSSELS IN FOOD WEBS AND THEIR NUTRITIONAL REQUIREMENTS IN ECOSYSTEMS *Susan Jerrine Nichols; Teresa J. Newton

VISION FOR A WATERSHED APPROACH TO REBUILDING NATIVE BIVALVE RESOURCES FROM THE HEADWATERS TO COAST FOR BOTH BIODIVERSITY AND POPULATION BIOMASS *Danielle Kreeger

WATER QUALITY EVALUATION TOOLS FOR DESIGNING AND IMPLEMENTING FRESHWATER MUSSEL RECOVERY ACTIONS *Tom Augspurger; Christopher G Ingersoll; Richard Joseph Neves

10:00 am

039. Communications, Outreach, and Education Convention Center, Ballroom E

10:00 A THEORETICAL FRAMEWORK FOR EXPLORING COMPLIANCE WITH MINIMUM-IMPACT VISITOR EDUCATION GUIDELINES *Wade Vagias; Robert Powell

- 10:15 ASSESSING BEACH USER ATTITUDES AND KNOWLEDGE OF BEACH-NESTING BIRDS *Alison Ormsby; Elizabeth Forsy; Sarah Lockhart
- 10:30 WITHDRAWN
- 10:45 DEVELOPING EDUCATIONAL TOOLS TO PROMOTE MARINE CONSERVATION IN THE BAHAMAS: LINKAGES AMONG RESEARCH, EDUCATION, AND CONSERVATION *Meg Domroese
- 11:00 DEVELOPMENT OF A CONSERVATION BIOLOGY PROGRAM AT THE AMERICAN UNIVERSITY OF NIGERIA *Janette Wallis
- 11:15 ROLE OF TRANSLATED LITERATURE IN DISSEMINATION OF KNOWLEDGE AND CREATING AWARENESS ON GLOBAL CHANGE *Ghazala - Nasim; Rukhsana - Bajwa
- 11:30 THE COALITION OF PRESCRIBED FIRE COUNCILS: PARTNERING TO PROMOTE UNDERSTANDING OF PRESCRIBED FIRE AND ADDRESS MANAGEMENT, POLICY AND REGULATORY ISSUES *Johnny Stowe; Mark A. Melvin; Dale Wade
- 11:45 WAKING THE SLEEPING GIANT - MOBILISING THE CHRISTIAN CHURCH IN KENYA TO CONSERVATION ACTION Ronwyn Jackson; Craig Sorley; *Shelly Thomas

040. Bird Conservation (2)

Convention Center, Ballroom F

- 10:00 ADVANCED AUTUMN MIGRATION DATES OF AVIAN PASSAGE MIGRANTS IN SINAI, EGYPT *Nico Dauphine
- 10:15 COMPARING TIME-SERIES OF ABUNDANCE AND PRESENCE-ABSENCE DATA AS INPUT TO AREA SELECTION - WHICH IS A BETTER PREDICTOR OF FUTURE PERSISTENCE? *Christopher Grouios; Lisa L. Manne
- 10:30 EXURBAN DEVELOPMENT INFLUENCES WOODLAND BIRD COMMUNITY COMPOSITION *Adina M. Merenlender; Sarah E Reed
- 10:45 IMPLICATIONS OF LARK SPARROW BREEDING HABITAT REQUIREMENTS FOR MIDWEST SAND BARREN CONSERVATION *Melanie Coulter; Karen V. Root
- 11:00 MAPPING AND EXPLORING THE DISTRIBUTION OF A THREATENED BIRD, GREY-WINGED COTINGA *Maria Alice S. Alves; Stuart Pimm; Alline Storni; Marcos Raposo; Michael de L. Brooke; Grant Harris; Andy Foster; Clinton N. Jenkins
- 11:15 POTENTIAL FLAGSHIPS FOR CONSERVATION OF HIGH ANDES WETLANDS: ANDEAN FLAMINGOS MODULATE ALGAL GROWTH AND PRIMARY PRODUCTIVITY IN A BOLIVIAN LAKE *Marita Adela Davison
- 11:30 PRIORITY CONSERVATION AREAS FOR BIRDS IN RIO DE JANEIRO, BRAZIL *Clinton N Jenkins; Maria Alice S. Alves
- 11:45 WITHDRAWN

041. Speed Presentation: Outreach, Education, and Policy

Convention Center, Ballroom H

WITHDRAWN

A GRADUATE COURSE IN APPLIED ADAPTIVE MANAGEMENT AT THE UNIVERSITY OF MARYLAND *Vinaya Swaminathan; Marcia Brown; Nick Salafsky

ANALYSIS OF U.S. POLICY OPTIONS TO ADDRESS ILLEGAL LOGGING *Pervaze Sheikh

ARE CHANGING COMMUNITIES PRODUCING POSITIVE PREDATOR PERCEPTIONS? A CASE STUDY FROM RURAL KENYA *Kerrie Anne Therese Loyd

AWARENESS, BELIEFS AND CULTURE -THE ABC OF CHALLENGES TO SPOT-BILLED PELICAN

CONSERVATION MANAGEMENT IN SRI LANKA. *Kanchana Dilrukshi Weerakoon Ranasinghe

COLLABORATIVE CONSERVATION: SOLIGA CULTURAL ECOLOGY AND BIODIVERSITY
CONSERVATION IN BILIGIRI RANGASWAMY TEMPLE WILDLIFE SANCTUARY, INDIA. *Nitin Devdas Rai;
Chikkananjegowda Madegowda; Siddappa Setty

ECOSYSTEM RESTORATION: EVALUATING LOCAL KNOWLEDGE AND MANAGEMENT SYSTEMS OF
FISHERMEN IN FOSU LAGOON, GHANA *Sarah Darkwa; Richard Smardon

FORMALIZING FOREST ACCESS AND IMPLEMENTING SUSTAINABLE BRAZIL NUT MANAGEMENT IN
MADRE DE DIOS, PERU Cesar Moran-Cahusac; Luz Marina Velarde; *Megan Elizabeth MacDowell

GREEN INFRASTRUCTURE AND PUBLIC HEALTH: AN EVALUATION OF THE FLORIDA COMMUNITIES
TRUST OPEN SPACE ACQUISITION PROGRAM *Christopher Coutts

HOW DOES CONSERVATION AFFECT LOCAL LIVELIHOODS? AN EMPIRICAL ASSESSMENT OF THE
SOCIOECONOMIC EFFECTS OF COSTA RICA'S NATIONAL PARK SYSTEM Kwaw Senyi Andam; Paul Ferraro;
*Margaret Buck Holland

LEADERSHIP: A NEW FRONTIER IN CONSERVATION SCIENCE *Jim C. Manolis; Kai M. A. Chan; Myra E.
Finkelstein; Scott Stephens; Cara R. Nelson; Jacqueline B. Grant; Mike Dombeck

ONTARIO'S ENDANGERED SPECIES ACT: STRONGEST IN NORTH AMERICA? *Stacey Lee O'Malley; Mart R.
Gross

PUBLIC PARTICIPATION IN ENERGY POLICY: A CASE STUDY OF THE SAN JUAN CITIZENS ALLIANCE
*Andrea Marie Feldpausch

THE U.S. FARM BILL AND SCB: RECOMMENDATIONS, LESSONS LEARNED, FUTURE OPPORTUNITIES
*Andrew R. Holdsworth; Robert Dana; Melissa A. Driscoll; Jim C. Manolis; Derric Neville Pennington; Kelly
Pennington; Joe Walton

WHAT DOES HIGH HUMAN POPULATION GROWTH ALONG PARK BORDERS TELL US ABOUT COSTS,
BENEFITS AND CHALLENGES OF PARK-BASED CONSERVATION IN THE 21ST CENTURY? *Justin S.
Brashares; George Wittemyer; Paul Elsen; William T. Bean; A. Coleman O. Burton

INTERACTIVE DISCUSSION

042. Climate Change (2)

Convention Center, Ballroom I

- 10:00 AN ANALYTICAL TOOLBOX FOR ASSESSING POTENTIAL IMPACTS OF CLIMATE CHANGE ON
CONSERVATION PRIORITY AREAS *Evan Girvetz; Carolyn A.F. Enquist; Chris Zganjar; George Raber; Peter
Kareiva; Joshua Lawler
- 10:15 ASSESSING CLIMATE CHANGE FOR BIODIVERSITY IN NEW MEXICO: CONSERVATION IMPLICATIONS
AT REGIONAL AND LOCAL SCALES *Carolyn A.F. Enquist; Evan Girvetz; David F. Gori
- 10:30 ECUADOR'S YASUNI-ITT INITIATIVE: FORGOING OIL DEVELOPMENT FOR BIODIVERSITY
CONSERVATION *Max Christian
- 10:45 ESTIMATING RESILIENCY TO CLIMATE CHANGE AND PRIORITIZING BIODIVERSITY CONSERVATION
ACTION AMONG SITES IN MADAGASCAR *David Knox; Luciano Andriamaro; Radhika Dave; Lee Hannah;
James MacKinnon; Zo Lalaina Rakotobe; Harison Randrianasolo; Marc Steininger; Will Turner
- 11:00 HOW TO INCORPORATE CLIMATE CHANGE INTO GLOBAL SITE PRIORITIAZATION? A THOERY OF
SYSTEMATIC CONSERVATION PLANNING WITH THE IMPACTS FROM CLIMATE CHANGE *Takuya
Iwamura; Kerrie Wilson; Hugh Possingham
- 11:15 PREDICTING EXTINCTION RISKS UNDER CLIMATE CHANGE: INTEGRATING STOCHASTIC
METAPOPOPULATION MODELS WITH DYNAMIC BIOCLIMATIC HABITAT MODELS *H. Resit Akcakaya;
David Keith; Wilfried Thuiller; Guy Midgley; Richard Pearson; Steven Phillips; Helen M. Regan; Miguel B. Araújo;
Tony Rebelo

- 11:30 PREDICTING THE EFFECTS OF FUTURE CLIMATE AND LAND USE CHANGE ON CALIFORNIA AVIAN SPECIES DISTRIBUTIONS *Dennis Jongsomjit; Diana Stralberg; Chrissy Howell
- 11:45 VULNERABILITY OF THE WORLD PROTECTED AREAS NETWORK TO CLIMATE CHANGE *Sandy J Andelman; Jenny Hewson; Jan Dempewolf; Erica Ashkenazi

**043. Alien and Invasive Species
Convention Center, Ballroom J**

- 10:00 AN ECOLOGICAL ASSESSMENT OF INVASIVE PLANT SPECIES IN A CONSTRUCTED WETLAND IN MARKHAM, ONTARIO, CANADA. *Antonia Capotorto; Michal Bardecki
- 10:15 EFFECTIVENESS OF FLEA BEETLES (APTHONA SPP.) IN LEAFY SPURGE CONTROL INTERACTS WITH SOIL TYPE AT FOUR SITES IN THE NORTHERN TALLGRASS PRAIRIE Peter J. Bauman; *Meredith Cornett; Cynthia Lane; Carolyn Carr
- 10:30 INVASION OF THE EXOTIC PAULOWNIA TOMENTOSA AT LINVILLE GORGE AND CHANGES IN ITS HABITAT DISTRIBUTION OVER TIME *Dane Kuppinger
- 10:45 INVASIVE TRAMP ANTS CAUSE COLLAPSE OF UNDERSTORY FOOD WEB IN AN AFRICAN RAINFOREST *Amy E. Dunham; Alexander S. Mikheyev
- 11:00 MIKANIA MICRANTHA: THREAT TO SPECIES CONSERVATION IN LOWLAND PROTECTED AREA MANAGEMENT IN NEPAL *Kanchan Thapa
- 11:15 POTENTIAL IMPACTS OF IMPLEMENTING A WEED RISK ASSESSMENT SYSTEM ON THE HORTICULTURAL INDUSTRY *Doria R. Gordon; Crysta A. Gantz
- 11:30 THE EFFECT OF THE INVASIVE SHRUB LIGUSTRUM SINENSE ON SOIL MICROBIAL PROCESSES IN RIPARIAN SURFACE SOILS OF THE TENNESSEE RIVER GORGE. *Henry G. Spratt; Colette D. Huntley
- 11:45 LANDSCAPE MODELS OF CHEATGRASS INVASION TO TARGET RESTORATION AND CONSERVATION PRIORITIES IN NORTHERN ARIZONA *Brett G. Dickson; Christine Albano; Ethan Aumack; Thomas D. Sisk

**044. Symposium: Economic Growth and Biodiversity: The Elemental Arguments
Convention Center, Meeting Room 4/5**

Organized by: Corey Peet; Jon Rosales

- 10:00 THE HUMAN 'ECOLOGICAL FOOTPRINT' AND COMPETITIVE EXCLUSION: WHY THE EXPANDING ECONOMY NECESSARILY MEANS BIODIVERSITY LOSS William Rees; *Corey Peet
- 10:15 MACRO POLICY LEVEL SOLUTIONS, INCLUDING TAXATION, BANKING, FISCAL, MONETARY, AND TRADE POLICY, AND THEIR IMPACT ON BIODIVERSITY *Michael A Larson; Philip Lawn
- 10:30 THE RELATIONSHIP BETWEEN ECONOMIC GROWTH AND BIODIVERSITY CONSERVATION: A HISTORICAL REVIEW OF THE ECOLOGICAL ECONOMICS PERSPECTIVE *Robert Dietz
- 10:45 PROSPECTS FOR RECONCILING THE CONFLICT BETWEEN ECONOMIC GROWTH AND BIODIVERSITY CONSERVATION WITH TECHNOLOGICAL PROGRESS *Brian Czech
- 11:00 UNDER- AND OVER-GROWN: ECONOMIC GROWTH, BIODIVERSITY, AND THE GLOBAL NORTH AND SOUTH *Jon Rosales
- 11:15 THE VALUATION SOLUTION Joshua Farley; *David Richards
- 11:30 PANEL DISCUSSION

**045. Spatial Ecology and Conservation
Convention Center, Meeting Room 6**

- 10:00 A NULL MODEL FOR INVASIVE SPECIES AND BIOTIC HOMOGENIZATION: DISENTANGLING HOMOGENIZATION, PSEUDOHOMOGENIZATION, AND CRYPTIC HOMOGENIZATION. *Kevin G. Smith; Jon Chase

- 10:15 A SWARM-BASED APPROACH TO INTEGRATING MULTIPLE TIME AND SPATIAL SCALES; SHRIMP, HUMANS, AND HYDROLOGY IN LUQUILLO FOREST, PUERTO RICO *Jorge A Ramirez; Paul Box; Todd A Crowl; John Loomis
- 10:30 CONSERVATION STRATEGY FOR REPTILES ALONG THE TEESTA VALLEY, SIKKIM *Basundhara Chettri; Subramanian Bhupathy; Bhoj Kumar Acharya
- 10:45 HABITAT CONTRIBUTION TO BIODIVERSITY CONSERVATION IN THREE COFFEE PRODUCING LANDSCAPES IN COLOMBIA. Lina María Sánchez Clavijo; *Jorge Eduardo Botero; Sandra Milena Durán; Juan Gonzalo Vélez; Rocío García
- 11:00 JAGUAR DISPERSAL CORRIDORS: MAKING THE MAPS A REALITY *Katherine Zeller; John Polisar; Roberto Salom
- 11:15 MOVEMENT OF AFRICAN BUFFALO IN A TRANSFRONTIER CONSERVATION AREA *Robin Naidoo; Pierre du Preez; Mark Jago; Greg Stuart-Hill; Jo Tagg; L. Chris Weaver; Scott Loarie
- 11:30 NICHE-BASED DISTRIBUTION MODELS TO THE RESCUE OF RARE SPECIES *Gwenaelle Le Lay; Antoine Guisan
- 11:45 UNCOVERING GENETIC DIVERSITY WITHIN THE THREE-LINED SALAMANDER: PHYLOGENETICS AND ECOLOGICAL NICHE MODELING *Brian L. Daughtry; Nathan Putman; Leslie J. Rissler

046. Symposium: Assessing Ecosystem Service Values for Marine and Coastal Ecosystems: Melding the Natural and Social Sciences

Convention Center, Ballroom G

Organized by: Mark Plummer; Mary Ruckelshaus; Anne D. Guerry

- 10:00 INTEGRATING ECONOMIC AND ECOLOGICAL MODELS *Stephen Polasky
- 10:30 COASTAL ECOSYSTEM-BASED MANAGEMENT WITH NON-LINEAR ECOLOGICAL FUNCTIONS AND VALUES *Edward Barbier
- 11:00 AN INTEGRATED APPROACH TO ECOSYSTEM MANAGEMENT IN THE CALIFORNIA CURRENT *Phillip S. Levin; Isaac Kaplan
- 11:30 ECOSYSTEM SERVICES PROVIDED BY THE NEARSHORE IN PUGET SOUND: AN ANALYSIS OF CHANGE THROUGH AN ECOLOGICAL LENS *Anne D. Guerry; Mark Plummer; Mary Ruckelshaus; Jeremy R. Davies; Jason J. Miller; Krista K. Bartz
- 1:30 ECOSYSTEM SERVICES PROVIDED BY THE NEARSHORE IN PUGET SOUND: AN ANALYSIS OF CHANGE THROUGH AN ECONOMIC LENS *Mark Plummer; Anne D. Guerry; Mary Ruckelshaus; Jeremy R. Davies; Jason J. Miller; Krista K. Bartz
- 2:00 PANEL DISCUSSION

1:30 pm

047. Student Competition A

Convention Center, Ballroom E

- 1:30 CAN SPECIES REINTRODUCTIONS AID ECOSYSTEM RESTORATION? A CASE STUDY FROM ARID AUSTRALIA *Alexandra Iona James; David J. Eldridge; Brydie M. Hill
- 1:45 CONSERVATION PRIORITIES BASED ON ALTITUDINAL DISTRIBUTIONS OF SPECIES IN SIKKIM, EASTERN HIMALAYA *Bhoj Kumar Acharya; Lalitha Vijayan; Basundhara Chettri
- 2:00 DESCRIBING HISTORICAL PATTERNS OF MARINE LIFE POPULATION DYNAMICS USING A LIFE HISTORY APPROACH: A 120 YEAR HISTORY OF THE CALIFORNIA SPINY LOBSTER *Deborah Ann McArdle; Brian Kinlan
- 2:15 DO-IT-YOURSELF CONSERVATION: HOW HOME LANDSCAPING CHOICES AFFECT BIODIVERSITY *Kristina N. Smyth

- 2:30 ESTIMATING SEASONAL ABUNDANCE OF MIGRATORY WILDEBEEST IN NORTHERN TANZANIA USING A COMPUTER-ASSISTED INDIVIDUAL IDENTIFICATION METHOD *Thomas A. Morrison
- 2:45 EVERGLADES WATER LEVELS INFLUENCE SOURCE-SINK DYNAMICS OF ENDANGERED WOOD STORKS IN SOUTH FLORIDA, USA *Rena Borkhataria; Peter Frederick
- 3:00 BEING A CONSERVATION BIOLOGIST IN THE POLICY ARENA *Anne R. Kapuscinski

048. Conservation Funding and Capacity Building
Convention Center, Ballroom F

- 1:30 WITHDRAWN
- 1:45 LAND ACQUISITIONS FOR RAINFOREST CONSERVATION *Daniel Spring
- 2:00 QUANTITATIVE ANALYSIS OF THE SCIENTIFIC CAPACITY FOR CONSERVATION IN AUSTRAL AND NEOTROPICAL AMERICA Jon Paul Rodriguez; *Maria Oliveira-Miranda; Kathryn M. Rodriguez-Clark; Alejandro Grajal
- 2:15 THE BIODIVERSITY CRISIS REDEFINED: CONNECTING CONSERVATION BIOLOGY TO HUMAN WELL-BEING *Paul L. Angermeier
- 2:30 THE CONSERVATION FOCUS OF NATIONAL GEOGRAPHIC SOCIETY CRE GRANTS: 1914-2000 *Devra Kleiman
- 2:45 TRANSFORMING 'WICKED' ENVIRONMENTAL DISPUTES: BOOSTING THE POWER OF NEGOTIATION FOR MORE EFFECTIVE CONSERVATION *Fiona Nagle
- 3:00 WHY DON'T MORE STUDENTS OF COLOR BECOME CONSERVATION BIOLOGISTS? THE RESULTS OF A SURVEY AND A 'SIGNIFICANCE OF BARRIERS' MODEL *Michael J. Foster; Jennifer Phillips; Eleanor J. Sterling
- 3:15 DISCUSSION

049. Speed Presentation: Human Impacts and Protected Areas
Convention Center, Ballroom H

A CONSERVATION PLANNING TOOL FOR CALCULATING RETURN ON INVESTMENT AT THE RESOLUTION OF LAND PARCELS AND OTHER SMALL AREAS *Doug Ward; Bob Pressey; Daniel Segan; Hugh Possingham

CARNIVORES IN THE FARMLAND MATRIX: USE OF AVOCADO ORCHARDS DEPENDS ON NEIGHBORING LAND USE TYPES *Theresa Nogueira; Frank W. Davis

CLIMATE CHANGE IMPACT AND ADAPTATION IN CANADA'S NATIONAL PARKS *Marlow Pellatt

CONSERVATION AND DEVELOPMENT TRADE-OFFS IN THE FACE OF GLOBAL CLIMATE CHANGE *Daniel Miller

ECOLOGY AND CONSERVATION OF BATS IN AN URBAN LANDSCAPE IN ESPÍRITO SANTO STATE, SOUTHEASTERN BRAZIL *Monik Oprea; Thiago Bernardi Vieira; Poliana Mendes; Albert David Ditchfield

FLUID POPULAR DISCOURSE AND THE LOCATION OF WIND POWER FACILITIES IN WILDLIFE CONSERVATION AREAS *J. Anthony Abbott

INFLUENCES OF QUIET, NON-CONSUMPTIVE RECREATION ON PROTECTED AREA EFFECTIVENESS *Sarah E. Reed; Adina M. Merenlender

INTRASPECIFIC COMPETITION IN THE INVASIVE, BIENNIAL GARLIC MUSTARD AND THE RESPONSE OF NATIVE VEGETATION TO GARLIC MUSTARD REMOVAL *Jonathan Thomas Bauer; Roger C. Anderson; M. Rebecca Anderson

INVESTIGATION OF THE EFFECTS OF CLEARFELLING MANAGEMENT ON GREENHOUSE GAS FLUXES IN A SITKA SPRUCE FOREST PLANTATION, USING A CHRONOSEQUENCE APPROACH *Eleni Karali; Oyomoare Lolade Eruogun

LEAVE A TRACE - COLLABORATION IN ULITHI ATOLL, MICRONESIA LINKING ON-SITE EDUCATION OF ECOTOURISTS, LOCAL SEA TURTLE CONSERVATION, AND COMMUNITY NEEDS *Wayne Sentman

NOVEL FOOD WEBS WITH NOVEL SPECIES *Dan Clarke; Turner Blake; Jim Bowlby; Eric Davies; Mart R. Gross

OPPORTUNITY COSTS IN CONSERVATION PLANNING - OF THE CASE OF EUROPEAN WETLAND SPECIES *Kerstin Jantke; Uwe Schneider

REPRESENTING BIODIVERSITY AND MINIMIZING IMPACT TO FISHERMEN: A COMPARISON OF TWO RESERVE DESIGN APPROACHES USED IN CALIFORNIA Carissa Joy Klein; Charles Steinback Steinback; Astrid Scholz; Hugh Possingham; *Sarah A. Kruse

THE IMPLICATIONS AND CONSEQUENCES OF OVERLAPPING INDUSTRIAL AND CONSERVATION ZONING IN THE REPUBLIC OF CONGO *Michelle Wieland

TRENDS IN WESTERN ROSS SEA EMPEROR PENGUIN CHICK ABUNDANCES AND THEIR RELATIONSHIPS TO CLIMATE *Shannon Michelle Barber-Meyer; Gerald L. Kooyman; Paul J. Ponganis

INTERACTIVE DISCUSSION

050. Taxa Conservation

Convention Center, Ballroom I

- 1:30 CONSERVATION INITIATIVES TOWARDS SAVING THE CRITICALLY ENDANGERED CEBU CINNAMON TREE *Orlyn Barte Orlanes; Lisa Marie Jamadron Paguntalan; Philip Godfrey Cosep Jakosalem
- 1:45 DEVELOPING A CONSERVATION MANAGEMENT STRATEGY FOR THE GOLDEN-WINGED WARBLER IN THE CUMBERLAND MOUNTAINS *Kelly Caruso; David Buehler
- 2:00 ECOLOGICAL EFFECTS OF MAJOR INJURIES IN DIAMONDBACK TERRAPINS: IMPLICATIONS FOR CONSERVATION AND MANAGEMENT *Kristen Kimberly Cecala; J. Whitfield Gibbons; Michael E. Dorcas
- 2:15 MICROHABITAT SELECTION OF TWO SYMPATRIC SPECIES, FLORIDA BOG FROGS AND BRONZE FROGS *Thomas A. Gorman; Carola Haas
- 2:30 RANAVIRUS PREVALENCE IN AMERICAN BULLFROGS INHABITING PONDS WITH CATTLE ACCESS *Matthew Gray; Debra Miller; Charles Baldwin
- 2:45 THE EFFECT OF CHANGES IN LEGAL PROTECTION STATUS ON FOREST COVER WITHIN THE MONARCH BUTTERFLY BIOSPHERE RESERVE IN MEXICO *M. Isabel Ramirez; Lincoln P. Brower; Linda S. Fink; Daniel Slayback; Raul Zubieta
- 3:00 THE INFLUENCE OF BEAVER ON BROOK TROUT INVASION AND NATIVE WESTSLOPE CUTTHROAT TROUT DISPLACEMENT IN HEADWATER STREAMS OF SOUTHWESTERN MONTANA *Magnus McCaffery
- 3:15 USING LANDSAT THEMATIC MAPPER IMAGERY TO IDENTIFY LEOPARD FROG DROUGHT REFUGIA *David Mushet; Ned Euliss; Craig Stockwell

051. Conservation Genetics (2)

Convention Center, Ballroom J

- 1:30 ASSESSING THE GENETIC RECOVERY OF ANACAPA ISLAND DEER MICE FOLLOWING RAT ERADICATION *Fusun Ozer; Mary V. Ashley
- 1:45 COMBINING GENETICS AND NICHE MODELING TO PRIORITIZE LAND PURCHASES FOR THE FEDERALLY THREATENED RED HILLS SALAMANDER (PHAEOGNATHUS HUBRICHTI). *Joseph J. Apodaca
- 2:00 FENCE-ROWS AS BIOLOGICAL CORRIDORS: AN IMPORTANT TOOL FOR PRIMATE CONSERVATION IN THE COLOMBIAN LLANOS *Xyomara Carretero Pinzón; Thomas Defler; Manuel Ruiz-Garcia
- 2:15 GENETIC AND PHENOTYPIC POPULATION STRUCTURE OF THE WOOLLY MOUSE OPOSSUM, MICOUREUS PARAGUAYANUS (DIDELPHIDAE), IN AN ATLANTIC FOREST FRAGMENT, BRAZIL. *Isabela

MG Dias; George Amato; Heitor M Cunha; Rob DeSalle; Ana Paula S Madureira; Adriano P. Paglia; Cleusa Graça Fonseca

- 2:30 GENETIC ASSESSMENT OF HUMPBACK CHUB FROM THE LITTLE COLORADO RIVER *Connie Keeler-Foster; Krista Heideman; Sherri Baker
- 2:45 IS THE GULF OF CALIFORNIA POPULATION OF CALIFORNIA SEA LIONS GENETICALLY DISTINCT? IMPLICATIONS FOR CONSERVATION *Manuela Gonzalez-Suarez; David Auriolos-Gamboa; Philip Hedrick; Leah R. Gerber
- 3:00 LANDSCAPE GENETICS OF THE THREATENED GOPHER TORTOISE (GOPHERUS POLYPHEMUS) *Rachel A. Wallace; Nicola Anthony
- 3:15 NON-INVASIVE GENETIC MONITORING AS A TOOL TO ESTIMATE ABUNDANCE AND GROUP COMPOSITION IN WILD WESTERN LOWLAND GORILLAS *Mimi Arandjelovic; Josephine Head; Christophe Boesch; Martha M. Robbins; Linda Vigilant

**052. Symposium: Parks, People, and Posterity: Reconsidering the Ethical Dimensions of International Conservation
Convention Center, Meeting Room 4/5**

Organized by: Thad Miller; Ben Minter

- 1:30 USING DEVELOPMENT MEANS TO A CONSERVATION END? - OR - USE DEVELOPING A MEAN END TO CONSERVATION? *Nick Salafsky
- 1:45 FAIR TRADE-OFFS: SOME PUZZLES *Bryan Norton; Paul Hirsch
- 2:00 HARD CHOICES: UNDERSTANDING THE TRADE-OFFS BETWEEN BIODIVERSITY CONSERVATION AND HUMAN WELL-BEING *Thomas O. McShane; Alexander Nyangero Songorwa; Ann P. Kinzig; Bruno Monteferrri; HOANG VAN THANG; Juan Luis Dammert Bello; Manuel Pulgar Vidal; Peter Brosius; Peter Coppolillo; Sheila O'Connor; TRAN CHI TRUNG
- 2:15 ETHICAL OBLIGATIONS AND REAL WORLD CONSERVATION *John Gwilym Robinson
- 2:30 THE ETHICS OF CONSERVATION BEYOND PARKS, WITH A CASE STUDY FROM PERU *Sahotra Sarkar
- 2:45 PARKS, PEOPLE & POSTERITY: A NORMATIVE ANALYSIS OF INTERNATIONAL CONSERVATION *Thad Miller; Ben Minter
- 3:00 PANEL DISCUSSION

053. Ecological Restoration

Convention Center, Meeting Room 6

- 1:30 CONSERVATION STATUS AND RECOVERY MEASURES OF NINE ECONOMICALLY IMPORTANT PLANTS OF THE HINDU RAJ MOUNTAINS *Habib Ahmad
- 1:45 ENVIRONMENTAL FACTORS INFLUENCING RESTORATION OF AMERICAN CHESTNUT TO THE FORESTS OF MAMMOTH CAVE NATIONAL PARK *Albert Jon Meier; Jason Taylor
- 2:00 ERADICATION OF INVASIVE SPECIES AND HABITAT/SPECIES RESTORATION TECHNOLOGY *Thomas Kryzak
- 2:15 IMPACT OF ENGINEERING INTERVENTIONS ON THE CONSERVATION OF THE ECOLOGY OF THE AREA *Ajay Sehgal
- 2:30 MUIR WEBS: A NEW MEANS OF CONSERVING THE INTERACTIONS THAT BIND ECOSYSTEMS TOGETHER *Eric W. Sanderson
- 2:45 THE GARDENING CONCEPT AS APPLICABLE TOOL FOR ACTIVE REEF RESTORATION IN TANZANIA Nsajigwa Emmanuel Mbije
- 3:00 THE IMPACT OF PRESCRIBED FIRE AND SEASON OF BURN ON AMPHIBIAN AND REPTILE BIODIVERSITY PATTERNS IN NORTHERN LONGLEAF ECOSYSTEM RESTORATION *Walter Smith; Leslie J.

Rissler; James Stiles; Sierra Stiles

- 3:15 TO FEED OR NOT TO FEED? A DILEMMA IN EUROPEAN BISON CONSERVATION IN BIALOWIEZA FOREST, POLAND. *Bogdan Jaroszewicz

4:00 pm

054. Student Competition B

Convention Center, Ballroom E

- 4:00 INTEGRATED ECOLOGICAL AND SOCIAL ASSESSMENTS FOR CONSERVATION PLANNING AND RESERVE DESIGN *Brent J. Sewall; Amy L. Freestone; Mohamed F.E. Moutui; Ishaka Said; Nassuri Toilibou; Saindou M. Toumani; Daoud Attoumane; Cheikh M. Ibouira
- 4:15 MEASURING GAPS IN OCEAN LAW FOR ECOSYSTEM-BASED MANAGEMENT *Julia A. Ekstrom
- 4:30 RAPID ASSESSMENT OF RISKS TO A MOBILE MARINE MAMMAL IN AN ECOSYSTEM-SCALE MPA NETWORK *Alana Marie Grech; Helene Marsh
- 4:45 SELECTIVITY OF ANCIENT AND MODERN AVIAN EXTINCTIONS ON PACIFIC ISLANDS *Alison G. Boyer
- 5:00 SHOULD WE PROTECT THE STRONG OR THE WEAK? AN ANALYSIS OF RISK AND RESILIENCE IN MARINE PROTECTED AREAS *Edward Tasman Game; Eve McDonald-Madden; Hugh Possingham
- 5:15 THE EFFECT OF URBANIZATION ON AN ENDEMIC COASTAL BUTTERFLY *Allison K. Leidner; Nick M. Haddad
- 5:30 BALANCING THE CONSERVATION OF THREATENED SPECIES AND INDIGENOUS CULTURES: THE CHALLENGE FOR DUGONGS *Helene Denise Marsh

055. Environmental Politics and Policy (2)

Convention Center, Ballroom F

- 4:00 ADAPTIVE GOVERNANCE IN TRANSBOUNDARY CONSERVATION: THE INFLUENCES OF SCALE, PATH DEPENDENCY AND INSTITUTIONAL EVOLUTION *Michael L. Schoon
- 4:15 EVALUATING THE PERFORMANCE OF THE ENDANGERED SPECIES ACT ON PLANTS *Mark Schwartz
- 4:30 INNOVATION IN PROTECTED AREA SYSTEM MANAGEMENT: THE CASE OF THE AMAZON REGION PROTECTED AREAS (ARPA) PROGRAM, BRAZIL *Ronaldo Weigand, Jr.; Daniela Oliveira e Silva; Tatiany Barata Pereira; Danielle Calandino Silva; Marcos Araujo; Kátia Adriana Souza; Eduardo Trazzi; Fábio H. Leite; Rejane Freitas Andrade
- 4:45 PROGRESS AND CHALLENGES IN THE IDENTIFICATION OF KEY BIODIVERSITY AREAS IN WILDERNESS REGIONS *Amy Upgren; Adrian Antonio Garda; Adriano P. Paglia; Adriana Paese; David Emmett; Thais Kasecker
- 5:00 REQUIEM FOR THE ADDAX; AND HOW TO SAVE A CONTINENTAL FAUNA *Michael Hoffmann; Jonathan Kingdon; David Happold; Tom Butynski
- 5:15 RISK TO BIODIVERSITY FROM ORTHODOXY IN THE REGULATION OF SPECIES *Adam Novick
- 5:30 THE NATIONAL BIODIVERSITY FRAMEWORK- AN IMPLEMENTATION TOOL TO MANAGE AND CONSERVE BIODIVERSITY ACROSS THE SOUTH AFRICAN LANDSCAPE *Kiruben Naicker
- 5:45 UNITING U.S. OCEANS POLICY WITH A BLUE WATER PUBLIC TRUST DOCTRINE *Mary Turnipseed; Stephen Roady; Raphael Sagarin; Larry Crowder

056. Symposium: Biofuels and Biodiversity: An Assessment of Potential Effects on Species and Ecosystems

Convention Center, Ballroom G

Organized by: David James Flaspohler; Curt Meine; Chris Webster

- 4:00 ECOLOGY, ETHICS, ECONOMICS, AND ETHANOL: PUTTING BIOFUELS IN A CONSERVATION CONTEXT *Curt Meine

- 4:15 QUANTIFYING TRADE-OFFS BETWEEN PLANT PRODUCTIVITY AND BIODIVERSITY IN LANDS ALLOCATED TO GROWING BIOFUEL *David James Flaspohler; Chris Webster; Amber Roth
- 4:30 THE FULL COST OF ETHANOL VERSUS GASOLINE *Stephen Polasky
- 4:45 PRINCIPLES FOR PROMOTING "GREENER" BIOFUEL PRODUCTION *Martha Groom; Elizabeth Marie Gray; Patricia Townsend
- 5:00 BIOFUELS AND BIODIVERSITY: INTERNATIONAL RESPONSES TO POTENTIAL CONFLICTS *Jeffrey McNeely
- 5:15 PANEL DISCUSSION

057. Speed Presentation: Biogeography and Landscape Conservation
Convention Center, Ballroom H

A CONTRIBUTION TOWARDS AN UNDERSTANDING OF THE BIOGEOGRAPHY OF A MOUNTAIN GALAGO, GALAGOIDES ORINUS *Charles Leonard Massawe

A GEOGRAPHIC ANALYSIS OF ECOSYSTEM AND BIODIVERSITY HAZARD FROM OBSOLETE CHEMICAL STOCKPILES IN TUNISIA *Brian Blankespoor; Susmita Dasgupta; Abdelaziz Lagnaoui; Craig Meisner

CONTRACTION OF MAASAI LANDS AS WILDLIFE DISPERSAL AREAS AND IMPLICATIONS FOR CONSERVATION IN AMBOSELI ECOSYSTEM, KENYA *Moses Makonjio Okello

DEFORESTATION ON AN ELEVATIONAL GRADIENT IN THE EASTERN ARC MOUNTAINS OF TANZANIA *Jaclyn Marie Hall; Neil Burgess; Jon Lovett; Boniface Mbilinyi

WITHDRAWN

INTEGRATED MULTI-USE OCEAN MANAGEMENT: ROLE OF SCIENCE *Robbin Peach

MEXICAN GAP ANALYSES: MULTISCALE ASSESSMENT TO IDENTIFY PRIORITY SITES FOR CONSERVATION Patricia Koleff; *Tania Urquiza; Melanie Kolb; Jesús Alarcón

MODELING THE EFFECT OF URBANIZATION ON THE RISK OF VECTOR-BORNE ZOOSES *Christopher Brooks; Jeff Achter

PREDATOR-DEPENDENT SPECIES-AREA RELATIONSHIPS *Wade Alan Ryberg; Jon Chase

PRIORITIZATION OF THREATENED MEDICINAL FLORA - A KEY TO CONSERVE SACRED FORESTS IN WESTREN GHATS *Raghavendra Shivalingaiah

PROTECTED AREAS REDUCE LANDSCAPE TRANSFORMATION IN THE TRANSBOUNDARY NORTHERN APPALACHIANS *Stephen Christopher Trombulak; Matthew Landis; Gillian Woolmer; Robert Fritz Baldwin; Mark G. Anderson; Justina Ray

WITHDRAWN

THE BIOGEOGRAPHIC ADEQUACY OF THE NIGERIAN PROTECTED AREA SYSTEM *Francis Ebuta Bisong; Phillip Mfon; Elizabeth Esekong Andrew-Essien; Pius Utang

THE IMPACT OF INSTITUTIONAL CHANGES ON FOREST RESOURCES: A SPATIAL ANALYSIS *Evelyn Lwanga Namubiru-Mwaura

THE VIRGINIA CONSERVATION LANDS NEEDS ASSESSMENT: VIRGINIA NATURAL HERITAGE PROGRAM'S GIS TOOLS FOR MULTI-SCALE CONSERVATION PLANNING *Jason Bulluck

INTERACTIVE DISCUSSION

058. Social Science (2)
Convention Center, Ballroom I

- 4:00 CONSTRAINED BY CONSERVATION, LIBERATED BY CAPITALISM? CONSERVATION-INDUCED

- LIVELIHOOD CHANGE IN NORTHERN THAILAND *Robin Roth
- 4:15 HUMANS AND COYOTES IN SUBURBIA: CAN FAMILIARITY LEAD TO SUSTAINABLE COEXISTENCE?
*Heather Wieczorek Hudenko; Daniel J. Decker; William F. Siemer
- 4:30 PUBLIC UNDERSTANDING OF COASTAL WETLAND LOSS AND RESTORATION IN THE US GULF OF MEXICO *Craig A. Miller; Meya V. Holloway
- 4:45 SOCIAL PSYCHOLOGY FOR CONSERVING ELEPHANTS: USING HUMAN DIMENSIONS RESEARCH TO MITIGATE HUMAN-ELEPHANT CONFLICT *Christine Browne-Nunez
- 5:00 WITHDRAWN
- 5:15 TESTING BHUTAN'S ATTEMPT TO BALANCE CONSERVATION AND DEVELOPMENT: THE LITTLE COUNTRY THAT COULD? *Jeremy Brooks; Monique Borgerhoff Mulder
- 5:30 UNDERSTANDING PARTICIPATION IN INCENTIVE PROGRAMS THAT PROTECT ENDANGERED SPECIES ON PRIVATE LANDS *Michael G. Sorice; J. Richard Conner
- 5:45 WHERE DOES CONSERVATION GET STUCK? INCLUDING EXPERT OPINION IN LARGE-SCALE CONSERVATION PLANNING *Elizabeth Baldwin; Karen Beazley; Conrad Reining

**059. Urban Area Conservation
Convention Center, Ballroom J**

- 4:00 CHANGES IN NATURAL SELECTION DRIVEN BY ANTHROPOGENIC HABITAT ALTERATION *Erin Marnocha; Ryan Calsbeek; Thomas B. Smith
- 4:15 IMPACTS OF CLIMATE CHANGE AND URBAN DEVELOPMENT ON THE SPOTTED MARSH FROG (LIMNODYNASTES TASMANIENSIS) IN THE MERRI CREEK CORRIDOR *Joab Norbert Wilson; Sarah Bekessy
- 4:30 INFLUENCES OF URBANIZATION ON THE COMPOSITION AND STRUCTURE OF RIPARIAN FOREST COMMUNITIES IN CINCINNATI, OHIO, U.S.A. *James Hansel; Derric Neville Pennington; David Gorchoy
- 4:45 INTEGRATED APPROACH IN CONSERVING URBAN CONSERVATION AREA CASE STUDY: MUARA ANGKE WILDLIFE SANCTUARY *Edy Sutrisno
- 5:00 NORTH AMERICA'S NEWEST URBAN WILDERNESS PARK *Michelle Thomas; Eric Davies; Ralph Tonninger; Mart Gross
- 5:15 POSITIVE AND NEGATIVE EFFECTS OF URBAN AREAS ON CONSERVATION AREAS *Robert Ian McDonald
- 5:30 RESTORING COMPLEX HABITATS AND LOCAL BIOTIC CONNECTIONS: FROM MILITARY BASE TO PUBLIC PARK Steven Handel; *Milan Mitrovich; Ken Smith
- 5:45 WILDLIFE ABUNDANCE PATTERNS ALONG GRADIENTS OF URBANIZATION IN THE NORTH CAROLINA SANDHILLS *Ronald W. Sutherland

**060. Symposium: Integrated Land-Sea Conservation Planning: Concepts and Case Studies
Convention Center, Meeting Room 4/5**

Organized by: Patrick Crist; Ken Vance-Borland; Sarah Carr; Bob Pressey

- 4:00 TOWARDS A CONCEPTUAL AND TECHNICAL FRAMEWORK FOR INTEGRATED CONSERVATION PLANNING IN COASTAL CATCHMENTS AND NEARSHORE MARINE WATERS *Bob Pressey; Erica Fleishman; Reed F. Noss; Ken Vance-Borland; Chuck Willer
- 4:15 INTEROPERATING DECISION SUPPORT TOOLS TO FACILITATE INTEGRATED PLANNING ACROSS ECOSYSTEMS: CASE STUDIES FROM PUERTO RICO AND TEXAS, USA *Patrick Crist; Jessica Dyson; David Eslinger; Douglas Walker
- 4:30 INTEGRATING LOCAL LAND-USE DECISIONS WITH COASTAL ECOSYSTEM IMPACTS *Dan Dorfman
- 4:45 DETERMINING PRIORITIES FOR CONSERVATION, RESTORATION, AND ADAPTATION IN HIGHLY DYNAMIC LAND-SEA INTERFACES *Reed F. Noss; Tom Hctor; Michael Volk

- 5:00 CROSSING JURISDICTIONAL BOUNDARIES: ECOSYSTEM MANAGEMENT CHALLENGES IN THE CONTEXT OF COASTAL COMMUNITY PLANNING *Susan R. Crow
- 5:15 SOCIOECONOMIC TOOLS AND APPROACHES FOR LAND-SEA EBM AND CONSERVATION PLANNING *Chuck Willer
- 5:30 USE OF RESULTS CHAINS TO TEST ASSUMPTIONS ABOUT COASTAL CONSERVATION STRATEGIES *Erica Fleishman; Caroline Stem; Nick Salafsky
- 5:45 PANEL DISCUSSION

061. Landscape Ecology (2)

Convention Center, Meeting Room 6

- 4:00 A COMPARISON OF METRICS PREDICTING LANDSCAPE CONNECTIVITY FOR A HIGHLY INTERACTIVE SPECIES ALONG AN URBAN GRADIENT *Seth B. Magle; David M. Theobald; Kevin R. Crooks
- 4:15 WITHDRAWN
- 4:30 CARNIVORE CONNECTIVITY IN THE NORTHERN ROCKIES: USING SCAT-DETECTING DOGS AS A TOOL TO MODEL LINKAGE ZONE FUNCTIONALITY FOR A SUITE OF SPECIES *Jon P. Beckmann
- 4:45 DISPERSAL AND COLONISATION OF CYANO-LICHENS IN A HIGHLY FRAGMENTED LANDSCAPE. Ivar Gjerde; *Magne Saetersdal; Hans Blom
- 5:00 ENVIRONMENTAL CHANGE HASTENS THE DEMISE OF THE CRITICALLY ENDANGERED RIVERINE RABBIT (*BUNOLAGUS MONTICULARIS*) Greg Hughes; Wilfried Thuiller; Guy Midgley; *Kai Collins
- 5:15 MODELING ALTERNATIVE COAL MINING AND TIMBER HARVEST SCENARIOS AND THE IMPACTS ON INTERIOR FOREST LOSS AND CERULEAN WARBLER HABITAT *Lesley P. Bulluck; Roger Tankersley; David Buehler
- 5:30 POPULATION RESPONSE OF STELLER SEA LIONS (*EUMETOPIAS JUBATUS*) TO SPATIAL AND TEMPORAL ENVIRONMENTAL HETEROGENEITY *Michelle Elizabeth Lander; Thomas R. Loughlin; Miles L. Logsdon; Glenn R. VanBlaricom; Brian Fadely; Lowell W. Fritz
- 5:45 UNDERSTANDING LANDSCAPE EFFECTS OF WILDLANDS ON FARMS: BIRD PESTS AND PEST-PREDATORS IN AN AGRICULTURE-RIPARIAN MOSAIC LANDSCAPE *Suzanne Langridge