Schedule of Oral Presentations - Wednesday, October 11, 2017

Room	Salon I	Salon II	Salon III	Salon IV	Salon V	Salon VI	Green and Gold	Rams	Aggie (Room 232)	Research (202)	Natural Resources (230)
Topic	Laramie Foothills - Mountains to Plains: A Conservation Success Story Symposium (Moderator: Mark Sears)	Conservation Across Boundaries - Tools General Session (Moderator: Maria Musgrave)	Natural Areas Management in Light of a Changing Climate General Session (Moderator: Tori Hymel)	Invasive Species Management General Session (Moderator: Tim Merlino)	Communicating about Natural Areas Conservation General Session (Moderator: Betsy Miller)	Restoration in the Anthropocene General Session (Moderator: Hannah La Luzerne)	Restoration in the Anthropocene General Session (Moderator: Emily Neidhardt)	Restoration in the Anthropocene General Session (Moderator: Courtney Gutman)	Value of Ecosystem Services General Session (Moderator: Reina Heinz)	Technology for Land Management Success General Session (Moderator: Eddie Lagucki)	
8:00	JOHN STOKES: LARAMIE FOOTHILLS LAND CONSERVATION PLANNING AND CONSERVATION	MOLLY MCCORMICK: RESTORATION ASSESSMENT AND MONITORING PROGRAM FOR THE SOUTHWEST (RAMPS)	GREGOR SCHEURMAN: 'RESILIENCE' – IT'S EVERYWHERE, BUT WHAT DOES IT MEAN IN A CLIMATE CHANGE ADAPTATION CONTEXT?		TRACY BOUTELLE FIDLER: HOW THE DEINITION OF NATURAL AREAS HAS SHIFTED OVER TIME AND HOW IT AFFECTS OUR ABILITY TO COMMUNICATE THE VALUE OF SUCH PLACES	KATHRYN M. BARLOW: PATTERNS OF PLANT COMMUNITY ASSEMBLY AFTER RECLAMATION WITH NATIVE PLANTS	STEPHEN E. FICK: DISTRIBUTION MODELLING OF PRE-COLUMBIAN CALIFORNIA GRASSLANDS WITH SOIL PHYTOLITHS: NEW INSIGHTS FOR RESTORATION AND PREHISTORIC GRASSLAND ECOLOGY	JENISE M. BAUMAN: PLANT COMMUNITY RECOVERY AND SOIL DEVELOPMENT WITHIN FOUR ESTUARY RESTORATION PROJECTS IN WESTERN WASHINGTON	PETER A. DRATCH: MONITORING THE NATURAL QUALITY OF DESIGNATED WILDERNESS	BRIAN KNOWLES: GETTING TO THE ROOT OF LAND MANAGEMENT SUCCESS: DATA MANAGEMENT IS KEY	
8:30	JASON LABELLE: 12,000 YEARS IN THE LARAMIE FOOTHILLS: THE IMPORTANCE OF CULTURAL RESOURCE IDENTIFICATION AND PROTECTION	RAQUEL WERTSBAUGH: COLORADO NATURAL AREAS PROGRAM: A CONSERVATION MODEL USING VOLUNTARY AGREEMENTS	ESTHER D. STROH: MAPPING FUTURE FIRE-CLIMATE SUITABILITY THRESHOLDS FOR THREE SOUTH CENTRAL U.S. WOODY ECOSYSTEMS	THOMAS R. ROSBURG: TREE CUTTING AND GOAT BROWSING IN A SAVANNA RESTORATION: EFFECTS ON MICROCLIMATES AND VEGETATION	ADAM D. MCCURDY: THE FOREST HEALTH INDEX: AN INTERATIVE PLATFORM TO COMMUNICATE AND VISUALIZE CHANGES IMPACTING NATURAL AREAS	DANIEL L. MUMMEY: PRE-ESTABLISHED PLANT INFLUENCES ON ANTELOPE BITTERBRUSH (PURSHIA TRIDENTATA PURSH) SEEDLING RECRUITMENT AND GROWTH: ANALYSIS OF SPECIES AND POSITIONAL EFFECTS	KRISTINA M. HUFFORD: USING BOTANICAL COLLECTIONS TO INFORM CONSERVATION AND RESTORATION OF THREATENED PLANT COMMUNITIES	JODY NELSON: ECOLOGICAL RESTORATION OF A SUPERFUND SITE (ROCKY FLATS SITE, COLORADO)	MICHAEL D. BELL: WHY CARE ABOUT AIR? LINKING IMPACTS OF AIR QUALITY IN NATURAL SYSTEMS TO ECOSYSTEM SERVICES	CARLA REBERNAK: SOIL DATA AVAILABILITY FOR MANAGEMENT OF NATURAL AREAS	
9:00	CRYSTAL STROUSE: RARE PLANTS AND PLANT COMMUNITIES AT SOAPSTONE PRAIRIE	MELANIE PETERS: SCENIC VIEWS NEED MORE THAN APPRECIATION: A NATIONAL PARK SERVICE APPROACH	MIRANDA D. REDMOND: CLIMATE AND LANDSCAPE PHYSIOGRAPHY INTERACT TO CONTROL TREE GROWTH IN SEMI-ARID AND SUBALPINE ECOSYSTEMS OF THE ROCKY MOUNTAINS	JONATHAN M. SULLIVAN: EXPLORING EDGE EFFECT AND THE IMPACT OF INVASIVE VEGETATION ON SNOWY PLOVER NESTING SUCCESS	KRISTY BURNETT: USING SOCIAL MEDIA TO BUILD AWARENESS FOR NATURAL RESOURCE ISSUES	ANDREW P. RAYBURN: 20 YEARS OF COLLABORATIVE RIPARIAN RESTORATION: LONG-TERM RECOVERY OF CACHE CREEK AFTER CURTAILMENT OF IN-CHANNEL GRAVEL MINING	JAMES F. ROSSON: USING TREE SPECIES DOMINANCE AS AN INDICATOR OF DEGRADED SHIFTS IN POPULATION STRUCTURE AND DIVERSITY	JILLIAN R. PASTICK: ADAPTIVE MANAGEMENT EXPERIMENTS FOR RESTORATION OF OAK ECOSYSTEMS: EFFECTS OF CANOPY THINNING ON SEEDLING REGENERATION AND GROUND LAYER PLANT COMMUNITIES	DREW BENNETT: ESTIMATING COLORADO'S RETURN ON INVESTMENTS IN CONSERVATION EASEMENTS	KATHRYN NUESSLY: NEW DIRECTIONS IN MODELING AND COMMUNICATING NOISE IMPACTS IN NATIONAL PARKS	
9:30	DAYLAN FIGGS: LARAMIE FOOTHILLS - ENERGY BY DESIGN: A COLLABORATIVE SCIENCE BASED PLAN FOR ENERGY DEVELOPMENT	KURT DREISLKER: IMPLEMENTING ECOLOGICAL RESTORATION BEYOND OUR BOUNDARY: STRENGTHENING COLLABORATIONS WITH ONLINE LEARNING FOR VOLUNTEER STEWARDS	PETER J. WEISBERG: SEASONAL WATER BALANCE DRIVES THE DISTRIBUTION OF PLANT FUNCTIONAL GROUPS IN A SEMI-ARID REGION		SARA MELENA: SOMETIMES THE BEST RELATIONSHIP IS A LONG-DISTANCE RELATIONSHIP: A COMMUNICATION CAMPAIGN TO INFLUENCE HUMAN BEHAVIOR AROUND WILDLIFE	ERIKA VALEK: CHALLENGES OF UTILIZING MUNICIPAL COMPOST AS AN AMENDMENT IN BOREAL FOREST RECLAMATION ON NUTRIENT POOR SITES	SASHA L. VICTOR: DIFFERENTIAL EFFECTS OF INVASIVE SPECIES ON SANDBERG'S BLUEGRASS COMPETITIVE ABILITY AND TOLERANCE	DAVID J. ROBERTSON: TWO DECADES OF INTENSIVE FOREST STEWARDSHIP IMPROVE STAND INTEGRITY BUT NOT RESILIENCY	JANE RICE: MARKET-BASED CONSERVATION: LESSONS LEARNED IN PROGRAM DESIGN	NOEL BACHELLER: APPLICATION OF MACHINE LEARNING METHODS TO PREDICT FUTURE VEGETATION COMPOSITION IN A DIKED COASTAL ESTUARY BASED ON HYDROLOGICAL PARAMETERS MODELED UNDER DIFFERENT SCENARIOS	
10:00	Mid-morning Break	Mid-morning Break	Mid-morning Break	Mid-morning Break	Mid-morning Break	Mid-morning Break	Mid-morning Break	Mid-morning Break	Mid-morning Break	Mid-morning Break	Mid-morning Break
Topic	Laramie Foothills - Mountains to Plains: A Conservation Success Story Symposium (Moderator: Mark Sears)	Managing for an Uncertain Future: Climate Adaptation for Parks and Natural Areas Organized Session (Moderator: John Gross)	Implementing the National Seed Strategy Organized Session (Moderator: Carol Dawson)	Moving Targets: Modeling and Managing Biodiversity Redistribution in Response to Environmental Change Organized Session (Moderator: Jeffrey Morisette)	Burners without Borders: Cross-Boundary Planning and Implementation of Controlled Burning to Restore Forests Symposium (Moderator: Matthew Thompson)	U.S. National Vegetation Classification: Crossing Boundaries with Classification Symposium (Moderator: Carol Spurrier)	Overstory and Understory Relationships: Exploring Effects of a Shifting Overstory on an Herbaceous Understory Symposium (Moderator: Brice Hanberry)	Developing a Collaborative Strategy to Manage Invasive Winter Annual Grasses throughout the West Symposium (Moderator: Scott Nissen)	Keys to Conservation Careers (Moderator: Terri Hogan)	History and Use of Research Natural Areas Symposium (Moderator: William Carromero)	Pile Burning: Ecological Consequences, Restoration Strategies and Management Alternatives Symposium (Moderator: Chuck Rhoades)
10:30	JENNIFER P. BARFIELD: ASSISTED REPRODUCTION AS A TOOL TO MITIGATE DISEASE, PRESERVE GENETICS AND FACILITATE MOVEMENT OF GENETICS ACROSS LANDSCAPES FOR BISON: THE LARAMIE FOOTHILLS BISON CONSERVATION HERD	JOHN GROSS: CLIMATE CHANGE ADAPTATION FOR NATURAL AREAS: EMBRACING THE UNKNOWN	JUDY PERKINS: MOJAVE DESERT NATIVE PLANT PROGRAM: IMPLEMENTING THE NATIONAL SEED STRATEGY IN THE MOJAVE DESERT ECOREGION	HELEN R. SOFAER: MODELING ECOLOGICAL RESPONSES TO CLIMATE: WHAT ARE THE CHALLENGES AND OPPORTUNITIES?	ROBERT N. ADDINGTON: IDENTIFYING OPPORTUNITIES FOR COLLABORATIVE CONTROLLED BURNS ON COLORADO'S FRONT RANGE	SCOTT B. FRANKLIN: INTRODUCTION TO THE U.S. NATIONAL VEGETATION CLASSIFICATION	TYLER BASSETT: EFFECTS OF PRESCRIBED FIRE AND THINNING DURING MIDWESTERN OAK SAVANNA RESTORATION	CYNTHIA S. BROWN: A SYSTEMS APPROACH THAT TARGETS ECOLOGICAL PROCESSES IS KEY TO WINTER ANNUAL GRASS MANAGEMENT	KEYS TO CONSERVATION CAREERS: PANEL OF CONSERVATION PROFESSIONALS (10:30 - 12:00)	J. STEPHEN SHELLY: RESEARCH NATURAL AREAS IN THE U.S. FOREST SERVICE: 90 YEARS OF PROGRESS, AND A LOOK TOWARD THE FUTURE	ERIC SCHRODER: TALLYING THE IMPLICATIONS OF PILE BURNING FOR MULTIPLE RESOURCE MANAGEMENT IN FUEL REDUCTION AND FOREST HEALTH PROJECTS IN THE ROCKY MOUNTAIN REGION
11:00	MEEGAN FLENNIKEN: RESTORATION OF GREENBACK CUTTHROAT TROUT TO RED MOUNTAIN OPEN SPACE, LARIMER COUNTY, CO	CAT HAWKINS HOFFMAN: LOST YOUR COMPASS?...WE CAN RELATE. SCENARIO PLANNING FOR CLIMATE CHANGE ADAPTATION IN THE NATIONAL PARK SERVICE	ANNE HALFORD: CROSS-POLLINATION - FUNDING, TOOLS AND PARTNERSHIPS TO MEET OUR NATIONAL SEED STRATEGY GOALS	HEALY HAMILTON: APPLICATIONS OF SPECIES DISTRIBUTION MODELING TO BIODIVERSITY MANAGEMENT AND CONSERVATION IN AN ERA OF RAPID GLOBAL CHANGE	MICHAEL D. CAGGIANO: USING COOPERATIVE AGREEMENTS AND LOCAL RESOURCES TO INCREASE THE SCALE OF CONTROLLED BURNING IN NORTHERN COLORADO	PATRICK COMER: TOOLS FOR LINKING CLASSIFICATION TO MANAGEMENT	CARTER S. KINKEAD: WOODLAND GROUND FLORA CHANGES IN RELATION TO OVERSTORY STRUCTURE IN THE OZARK HIGHLANDS	DEREK SEBASTIAN: EVALUATING A LONG-TERM CONTROL STRATEGY FOR MANAGING INVASIVE WINTER ANNUAL GRASSES - THE TIME TO ACT IS NOW		ESTEBAN MULDAVIN: A PROPOSED NATURAL AREAS CLIMATE-CHANGE MONITORING NETWORK FOR THE SOUTHWEST UNITED STATES BASED ON A CLIMATE CHANGE VULNERABILITY INDEX	IAN SEXTON: INCREASED SEEDED NATIVE SPECIES ESTABLISHMENT IN RESTORED SLASH PILE BURN SCARS AT LILY LAKE, ROCKY MOUNTAIN NATIONAL PARK
11:30	DANIEL W. TRIPP: PLAGUE MITIGATION PREVENTS PLAGUE-ASSOCIATED PRAIRIE DOG COLONY COLLAPSE	DON WOJCIK: INTEGRATING CLIMATE CHANGE INTO PLANNING FOR NATURAL AREAS: AN NPS PLANNER'S PERSPECTIVE AND EXPERIENCE	PATRICIA ROLLER: RESTORATION-BASED PROCUREMENT TOOLS – FROM NEED TO SEED	JOANNA WU: PROJECTED EFFECTS OF CLIMATE CHANGE ON AVIAN COMMUNITIES IN US NATIONAL PARKS	BRYAN KARCHUT: BURNING WITHOUT BORDERS: THE NORTHERN COLORADO FIRESHED COOPERATIVE	KARL BROWN: SYNERGIES IN MAPPING AND CLASSIFICATION: NPS EXPERIENCE AND FUTURE DIRECTIONS	RYAN F. LIMB: GREAT PLAINS PLANT COMMUNITY CHANGES ASSOCIATED WITH JUNIPER ENCROACHMENT	SHANNON CLARK: COMPARING NATURAL AREAS HERBICIDE MANAGEMENT OPTIONS FOR DOWNY BROME (BROMUS TECTORUM L.) CONTROL AND NATIVE SPECIES TOLERANCE		MICHELLE COPPOLETTA: FIRE AND RESEARCH NATURAL AREAS IN CALIFORNIA: RESTORING A KEY ECOLOGICAL PROCESS TO REFERENCE LANDSCAPES	W.J. MASSMAN: MODELING SOIL TEMPERATURES DURING FIRES REQUIRES MODELING UNRESOLVED ASPECTS OF SOIL MOISTURE AND WATER VAPOR DYNAMICS
12:00	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
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1:30	JOHN HUGHES: AN OVERVIEW OF BLACK-FOOTED FERRET RECOVERY EFFORTS IN THE GREAT PLAINS AND INTERMOUNTAIN WEST	BRIAN W. MILLER: EMBRACING COMPLEXITY AND UNCERTAINTY: MERGING SIMULATION MODELING AND SCENARIO PLANNING TO INFORM NATURAL AREAS MANAGEMENT UNDER CLIMATE CHANGE	CHRISTOPHER B. WOOLRIDGE: PREDICTIVE PROVENANCING: CAN SOUTHERN-SOURCED SEEDS BE USED IN MIDWEST RESTORATION EFFORTS?	DAVID J. LAWRENCE: AQUATIC INVASIVE SPECIES RANGE EXPANSIONS IN RESPONSE TO A CHANGING CLIMATE	MATTHEW P. THOMPSON: FIRES DON'T KNOW OWNERSHIP BOUNDARIES, NEITHER DO CONTROL OPPORTUNITIES; LET'S PLAN WITH THAT IN MIND	TODD KEELER-WOLF: THE VALUE OF A STANDARD VEGETATION CLASSIFICATION FOR MAPPING AND CONSERVATION: A STATE'S PERSPECTIVE	CRAIG A. CARR: UNDERSTORY VEGETATION DYNAMICS AND ECOSYSTEM RESILIENCE IN AN EASTERN OREGON PONDEROSA PINE FOREST	PAUL MIEMAN & STEVE SAUER: MORE FORAGE AND IMPROVED MANAGEMENT FLEXIBILITY ARE EXPECTED OUTCOMES RESULTING FROM A NEW HERBICIDE FOR INVASIVE WINTER ANNUAL GRASS CONTROL ON RANGELAND	USA JOBS TRAINING	ANDY SCOTT: THE RESEARCH NATURAL AREAS OF ALABAMA: HISTORY, NEED, USES, AND FUTURE OPPORTUNITIES	DEBORAH S. PAGE-DUMROESE: SLASH PILE IMPACTS ON SURFACE AND BELOWGROUND STANDARD SUBSTRATE DECOMPOSITION RATES
2:00	ERIN YOUNGBERG: MONITORING THE EFFECT OF SYLVATIC PLAGUE IN BLACK-TAILED PRAIRIE DOGS ON DENSITY AND TRENDS OF GRASSLAND BIRDS IN THE MOUNTAINS TO PLAINS AREA OF NORTHERN COLORADO	SHELLEY D. CRAUSBAY: DEVELOPING PROACTIVE STRATEGIES FOR ECOLOGICAL DROUGHT IN THE 21ST CENTURY	ANDREW BOWER: NEW MOBILE APPS FOR OFF-LINE USE OF PROVISIONAL SEED ZONES FOR NATIVE PLANTS	DANIELLE BUTTKE: THE CHICKEN OR THE EGG? THE INTERPLAY OF DISEASE AND CLIMATE CHANGE ON WILDLIFE POPULATIONS	YU WEI: PRIORITIZING CONTROLLED BURNS FOR HEADWATER PROTECTION	JOANNA LEMLY: APPLICATION OF THE U.S. NVC TO WETLAND RESTORATION: USING CLASSIFICATION TO ESTABLISH APPROPRIATE THRESHOLD FOR WETLAND CONDITION ASSESSMENT	JONATHAN D. BAKKER: SCALE DEPENDENCE OF OVERSTORY-UNDERSTORY RELATIONSHIPS IN DRY, MIXED-CONIFER FORESTS	DAN TEKELA & HARRY QUICKE: RESPONDING TO NEW INVASIVE ANNUAL GRASS THREATS WITH AN INTERAGENCY WORKING GROUP	HUMAN RESOURCES PANEL: PATHWAYS FOR STUDENT ENTRY INTO CONSERVATION JOBS, JOB OUTLOOK (2:00 - 3:00)	LAURIE HUCKABY: RESEARCH NATURAL AREAS IN US FOREST SERVICE ROCKY MOUNTAIN REGION	JANE E. STEWART: LONG-TERM CHANGES IN SOIL MICROBIAL DIVERSITY AFTER SLASH PILE BURNING
2:30	SYMPOSIUM PANEL DISCUSSION	THOMAS J. TIMBERLAKE: EXAMINING THE U.S. FOREST SERVICE'S CLIMATE CHANGE VULNERABILITY ASSESSMENTS: THEMES AND OPPORTUNITIES	TRIP TO USDA SEED LAB (2:30 - 3:30)	MICHELLE DEPRENGER-LEVIN: CONSERVATION PLANNING FOR COLORADO'S ALPINE PLANT COMMUNITIES BASED ON HERBARIUM RECORDS: PREDICTING COMMUNITY RESPONSE TO A CHANGING CLIMATE	SYMPOSIUM PANEL DISCUSSION	SYMPOSIUM PANEL DISCUSSION	SYMPOSIUM PANEL DISCUSSION	SYMPOSIUM PANEL DISCUSSION		SYMPOSIUM PANEL DISCUSSION	SYMPOSIUM PANEL DISCUSSION
3:00	Mid-afternoon Break	Mid-afternoon Break	Mid-afternoon Break	Mid-afternoon Break	Mid-afternoon Break	Mid-afternoon Break	Mid-afternoon Break	Mid-afternoon Break	Mid-afternoon Break	Mid-afternoon Break	Mid-afternoon Break