**Rangeland Reclamation and Restoration: the Roles of Productive Re-Use and Conservation**

**SRM 2017 Annual Meeting**

**Tuesday, January 31 at 1 pm in St. George, Utah**

Disturbances requiring reclamation/restoration vary from many small areas with cumulative effects at the landscape scale such as oil and gas wellsites, linear disturbances such as roadways and pipelines, or large  areas such as mines.  A typical requirement for industrial land disturbances is to reintegrate lands into the surroundings and return the land both to its previous productive use and maintain its conservation related ecosystem services.  The re-use and conservation goals may work in tandem or may be in conflict depending on a wide range of practical, social, and regulatory issues. While there has been extensive work to develop recommendations, standards, and practices that work internationally and across continents, the resulting vegetation and its re-use or conservation value varies greatly by both region and site specific situations.  This symposium will highlight recent research and case studies from across broad geographic regions to present the current situation and science. The goal is to foster discussion and provide a foundation for reclamation and restoration of rangelands with an emphasis on the practical aspects of the work.

ENERGY, RANGELAND RECLAMATION AND REGULATION: A TALE OF TWO INDUSTRIES. Ryan F. Limb\*1, Jay M. Volk2, Kevin K. Sedivec1; 1North Dakota State University, Fargo, ND, 2BNI Energy, Center, ND

APPLYING LANDSCAPE RELATIONSHIPS AND SOIL SUBSURFACE DATA TO RECLAMATION PLANNING AND IMPLEMENTATION. Mandy J. Williams\*1, Jake Powell2; 1SWCA Environmental Consultants, Las Vegas, NV, 2SWCA Environmental Consultants, Sheridan, WY

EVALUATION OF RECLAMATION AND REMEDIATION TECHNIQUES ASSOCIATED WITH OIL AND GAS PRODUCTION IN THE NORTHERN PLAINS. Kevin K. Sedivec\*, Ryan F. Limb, Jack Norland, Aaron Daigh, Aaron Klostermeier, Paula Comeau; North Dakota State University, Fargo, ND

ACTIVE VERSUS PASSIVE REVEGETATION: PLANT COMMUNITY RESPONSE TO SEEDING, MULCH, AND SOIL AMENDMENTS IN ARIZONA. Jeffrey S. Fehmi\*; University of Arizona, Tucson, AZ

THE INTEGRATION OF RANGE HEALTH ASSESSMENTS INTO RECLAMATION CRITERIA FOR OIL AND GAS DISTURBANCES ON ALBERTA RANGELANDS. Tracy A. Kupchenko\*; Alberta Energy Regulator, Medicine Hat, AB

A USER GUIDE TO ALBERTA GRASSLAND RECLAMATION CRITERIA. Darin E. Sherritt\*; Tannas Conservation Services, St Albert, AB

RANGELAND MECHANICAL RIPPING AS INFORMED BY THE KEYLINE® DESIGN PROCESS IN EASTERN BUTTE COUNTY. Frank J. Thrall Jr.\*; California State University, Chico, CA

RESTORING SEMI-ARID LANDS WITH SUPERABSORBENT POLYMERS UNDER REDUCED PRECIPITATION AND THREAT OF *BROMUS TECTORUM* INVASION. . Magda Garbowski\*1, Cynthia S. Brown1, Danielle B. Johnston2; 1Colorado State University, Fort Collins, CO, 2Colorado Division of Parks and Wildlife, Grand Junction, CO

GREENSTRIPS: SPATIALLY STRATEGIC, HIGH-INPUT RESTORATION TO AVOID BROAD-SCALE FORAGE AND HABITAT LOSSES IN INVADED RANGELANDS. Lauren Porensky\*1, Elizabeth A. Leger2, Barry L. Perryman2; 1USDA- ARS, Fort Collins, CO, 2University of Nevada, Reno, Reno, NV

APPLICATION OF THE BLM’S ASSESSMENT, INVENTORY, AND MONITORING STRATEGY FOR RECLAMATION AND RESTORATION MONITORING. Alexander Laurence-Traynor\*1, Jason W. Karl2, Zoe Davidson1, Jessa Davis3; 1USDI-BLM, Santa Fe, NM, 2USDA-ARS, Las Cruces, NM, 3USDI-BLM, Boise, ID