

Final Project Report UMT-33
RM-CESU Cooperative Agreement H1200040001
12/20/2007

Plant Identification Training Workshop for Grant-Kohrs Ranch Personnel

Peter Rice, Division Biological Sciences, University of Montana

Plant identification training workshops were held June 22, 2006 and June 11, 2007 at the Grant-Kohrs Ranch National Historic Site. There were two field sessions in 2006. A morning session focused on learning the more common vascular plants in the undeveloped upland grasslands and the riparian zone, identifying native and invasive species and included basic grass morphology as a foundation for grass species identification. The afternoon session focused on common plants in the developed areas of the Ranch identifying native and introduced species in irrigated fields and proximal to buildings. Numerous ranch resource and interpretative staff participated in the 2006 sessions along with high school teachers attending a multiday workshop on using Ranch resources as part of their high school curriculum. There was one session in 2007. Several Ranch permanent resource people and summer staff attended along with high school teachers. This was a field session starting with the basics of grass identification, visiting upland grasslands, irrigated fields, and the riparian zone. The 2007 session was also scheduled in concurrent with a multiday workshop on using Ranch resources as part of their high school curriculum. The curriculum resource utilization agenda and list of teachers attending the 2007 multiday workshop is appended.

Schedule of 2007 Workshop Topics and Activities

Monday June 11, 2007 ----- Learn the Resource (morning)/Range Management (afternoon)

8:00 a.m.

Welcome and Introduction

Julie Croglio, Park Ranger/Education Specialist

8:15 a.m.

Goals of the Workshop

Ben Bobowski, Chief of Resource Management

8:30 a.m.

Learning the Resource

Julie Croglio

Guided tour of the ranch house, etc.

10:30 a.m.

Cattle ranching; grazing practices and weed project

Dr. Ben Bobowski and Dr. Peter Rice, University of Montana

Wagon tour

12:00 p.m. **Lunch** 1 hour

1:00 p.m.

Vegetation Communities of Grant-Kohrs Ranch

Gary Swant

2:30 p.m.

Hands-on Vegetation activities

Gary Swant & others

Quantity and Quality Vegetation Analysis of two sites

4:30 p.m. **Depart**



Tuesday June 12, 2007 ----- Range Management (morning)/Geology (afternoon)

8:00 a.m. - **Meet at the High School Computer Lab**
Lesson Plan Development (Range Management)

everyone

Visit park website: www.nps.gov/grko/forteachers/lessonplansandteacherguides.htm

General Brain Storming on Range Management and
suitable class activities

Teams Develop Range Units

Sharing of Projects

12:00 p.m. **Lunch** 1 hour

1:00 p.m.

Geology of the Deer Lodge Valley

Dick Berg, Senior Research Geologist
Montana Tech

4:30 p.m. **Depart**



Wednesday June 13, 2007 ----- Geology/Learn the Resource (afternoon)

8:00 a.m. **Meet at the High School Computer Lab**
Lesson Plan Development (Geology)

everyone

General Brain Storming on Geology and
suitable class activities

Teams Develop Water Units

Sharing of Projects

12:00 p.m. **Lunch** 1 hour

1:00 p.m. - **Preservation of the Past**

Chris Ford, Curator

Tour of Curatorial storage facility

3:00 p.m. - **Preservation Maintenance**

David Beaver, Facility Manager

4:30 p.m. **Depart**

Thursday June 14, 2007 -----

Wildlife/habitat

7:00 a.m. - **Meet at Dairy Barn**
Mist netting

Kristina Smucker, Avian Science Center
University of Montana

10:00 a.m.
Tools of Field Birding and Classroom Resources

Gary Swant

12:00 p.m. **Lunch** 1 hour

1:00 p.m.
Habitat Characteristics – riparian
Wetlands
grasslands

Sallie Hejl, Resource Education Specialist
Glacier National Park

Principles of wildlife ecology/autecology

3:30 p.m. Depart

5:30 p.m. (optional)
Cookout at the Ranch – Meet at the Chuckwagon

everyone



Friday June 15, 2007 ----- Wildlife/habitat

6:30-8:00 a.m. (optional) - **Meet at Visitor Center Parking Lot**
Bird Walk

Gary Swant

8:00 a.m. - **Meet at the High School Computer Lab**
Lesson Plan Development (Wildlife/Habitat)
General Brain Storming on Wildlife Habitats and suitable
class activities
Teams Develop Wildlife Units
Sharing of Projects

everyone

12:00 p.m. **Lunch** 1 hour

1:00 p.m.
Group discussion/Workshop wrap-up

everyone

2:00 p.m.
Course Evaluations

2:30 p.m.
Closing



Teacher Workshop Class List (2007)

Kim Tozzi	Gold Creek School	288-3560
Shirley Peters	Garrison School	846-1043
Tammy Lashway		
Linda McLinden	St. Regis School	649-2311
Chris Leipheimer	Fred Moodry School	
Lewis Cozby	Boot Camp	
Linda Palmer	Granville Stuart Elementary	
Maggie Hunter	Powell County High School	846-2757