

June 23 to June 27, 2014



WyRED-2014

Wyoming Resource Education Days

Sponsored by:
Laramie County & Laramie Rivers Conservation Districts

Welcome to the Harriman Retreat Center!

The Wyoming Section of the Society for Range Management is continuing to host WYRED at locations that provide education, relaxation and fun to new meanings. This year we will be taking it all in at the Harriman Retreat Center.

The Harriman Retreat Center is located on more than 200 acres of beautiful land between Cheyenne and Laramie, Wyoming near the Colorado border in the beautiful foothills of the Rockies. You are likely to spot deer, pronghorns, elk and other wildlife.

A favorite gathering spot is the outdoor fire pit, where there is always plenty of firewood for a traditional campfire. We have a 9-hole miniature golf course, a 9-hole Frisbee golf course, box hockey, carpet ball, volleyball, a parachute for group games and lots of other activities!



Laramie County and Laramie Rivers Conservation Districts Join Together

The Laramie County Conservation District encompasses 2,688 square miles in the state's southeastern corner. Located on the western edge of America's Great Plains the County's rolling plains rise westward to the foothills of the southern Laramie Mountain Range. Significant landscape forms include the Pine Bluffs, the Horse Creek and Chugwater Creek escarpments, the Chalk Bluffs and the Laramie Range. Wyoming's capitol city of Cheyenne is the County's major population center, located at the intersection of Interstates 25 and 80. Over 80 percent of the land in the County is used as rangeland and cropland. Elevations range from approximately 5,300 feet above sea level in the east and northeast, rising to 6,000 feet and above near Cheyenne, and between 7,000 and 8,000 feet in the west.

The climate for Laramie County is considered continental temperate and cold in the winter. Mean temperature is about 65 degrees, with the lowest temperatures occurring in January and the highest temperatures in July. Average annual precipitation is just over 12 inches, the majority of which is received in late spring. The geology of the area consists mostly of high plains grasslands and prairie ecosystems with exception of the significant landforms mentioned above. Surface geology includes granite outcroppings in the higher elevations near the Veedauwoo Recreation Area, with chalk bluffs and rolling hills in the eastern part of the county. The soils of Laramie County range from shallow sandy soils in the higher elevations to sandy and silty loams in the lower elevations and croplands.

The most important aquifer in Laramie County is the Ogallala aquifer, also known as the great plains aquifer, which supplies the majority of domestic and urban drinking water for residents of Laramie County.

Vegetation of the watershed varies from Pine and Aspen dominated ecosystems in the high elevations, to rangeland and cropland in the lower elevations. Laramie County is consistently the (continued on page 4...)

Welcome from the Laramie Rivers Conservation District

Laramie Rivers Conservation District follows the Albany County boundaries, encompassing an area of 4,305 square miles. Within the district, 1,820,093 acres (66.1%) privately owned; 684,911 acres federal land (24%); and 250,133 acres state, county, city, and school owned (9.1%). Elevation in Albany County range from 12,013 feet at Medicine Bow Peak in the Snowy Range to 5,160 feet where the Laramie River leaves the county.

General Information

The Wyoming Resource Education Days (WyRED) are scheduled for Monday, June 23 through Friday, June 27, 2014 at Harriman Retreat Center off I-80 at exit 342, Harriman Road, about 8.1 mi South of interstate to the retreat entrance.

Enrollment for the camp portion of the program will be limited to youth that have completed the 8th grade and up to age 18. Adults are also welcome. The registration fee, which must accompany the application form, will be \$175.00 per person until May 24; after May 25 the fee will be \$200.00 per person. **Registration will close on June 16th.** Registration fees will be returned if there is no room for the registrant or if registrant needs to cancel prior to June 16.

Credit for Teachers

Currently, our office has submitted an application for the Professional Development/Renewal Credit from Professional Teaching Standards Board and University of Wyoming. We feel confident our application will be considered favorably. To qualify for credit the training must meet standards in subject content, teaching/instruction strategies, technology as related to students, classroom management, working with diverse populations or Wyoming State Education Performance Standards. Our workshop will comply with at least three of these requirements. To qualify for one hour of credit an applicant must attend 14-16 hours of instruction time. WyRED instruction will be at least 8 hours instruction each day. If you participated in instruction only, you may qualify for 2 hours of Professional Credit. If you are interested in Professional Credit please notify the Laramie County Conservation District at 307-772-2600. If you would like lodging, The Wyoming Range and Land Management Manual and 2014 WyRED cap the registration will be \$175, same as for students.

The Upper and Lower Laramie River watersheds dominate the District. Other watersheds that make up a significant portion of the District are the Medicine Bow River and the Little Medicine Bow River. Small portions of the other watersheds are also within the District boundaries; Glendo reservoir, Horse, Upper Lodgepole, Lone Tree-Owl, Cach La Poudre, and the Upper North Platte.

Most of the district is semi-arid;

The registration fee includes room and board, a copy of the Wyoming Range and Land Management manual and an official 2014 WyRED Cap. The manual is used in nearly every phase of the camp activities and has proven to be a valuable tool, not just for use at camp, but for additional study beyond camp. A letter of acceptance will be sent as soon as the LCCD receives your registration.

Each camper will get practical experience in rangeland management, plant identification and range judging contests. They will be expected to make a plant collection of some of the most common range plants in Wyoming, which campers can take home to use as a study tool. Even parents can learn from the plants collected and identified at camp.

Topics will include riparian manage-

the precipitation and temperatures are quite variable depending on elevation and slope. Vegetation ranges from alpine to high desert. The county will experience a day that is 90 °F or warmer about once a year. The average temperature in January is 21 °F, and in July it is 64 °F. Because of the high elevation, winters are long, and summers are short and relatively cool. The wide range of temperatures and varied precipitation, occasional severe summer and winter storms,

ment, soils, plant physiology, plant identification, ecological sites, range utilization, wildlife, water quality, T&E species, applied management practices for range management, weed control, multiple use and many others. A practice range-judging contest will be held on Thursday afternoon and the range-judging contest will be held Friday morning. An awards luncheon following the contest will wrap-up the weeklong activities. Many individuals including ranchers, agency employees, and members of the SRM provide the instruction and will lead the daily tours. Now is the time to start looking for those interested in attending. Science teachers, 4-H leaders, VoAg instructors and adults involved with youth groups should be encouraged to take part in the camp.

Range and Land Judging Contest Divisions

Individual

Brush Popper; contestants 9 years old and younger

Range Riders: contestants 10 to 13 years old

Open Youth: contestants 15-18, may be FFA, 4-H, or other organizations

Open Adults (non-professional): Those 19 years and older*

Open Professional: Professional range personnel

Teams

4-H: members 14-18 years old

FFA: members 14-18 years old

Open Youth: 14-18 years old

*2014 graduates are eligible if 18 years old.



*Applications are due by
May 24th
For early registration*

Competition Rules and Guidelines

Teams will consist of four members.

Team points will be scored from the high three members' individual scores.

FFA Chapters may enter more than one team.

The range plant identification, plant

anatomy, and range management scores are the contest scores used to determine the team scores.

FFA team members must be at least 14 years old and no more than 18 years old by competition date. 2014 high school graduates are eligible.

FFA team members must be from

the same chapter.

4-H team members must be from the same state.

There will be a traveling trophy for the top overall Wyoming Team.



Participation Agreement and Camp Rules

The purpose of WyRED is to provide young people the opportunity to learn about the natural resources and how to apply them in our modern times. Because of the level of difficulty involved in WyRED instruction young people attending the full course will have to be students who have completed the 8th grade.

Each camper must bring a plant press to store and mount collected specimens. These presses can easily be made with

two pieces of plywood and several pieces of card board,



each 12" x 18" and bound together with small ropes. The press should be big enough for about 50 plant specimens. All youth will be expected to make a plant collection and present it for grading on Wednesday and compete in the Range Judging contest on Thursday.

Campers will need to bring sleeping bags, pillows, personal supplies (towels, soap, shampoo, rain coat, changes of clothing, etc) and a flashlight. PLEASE BRING a WATER BOTTLE! Participants will be staying in cabins or Tents so be prepared for either.

No smoking or chewing tobacco products, or alcoholic beverages, illegal drugs, firearms or fireworks. Throwing

objects that may cause bodily harm to another camper is strictly prohibited. Due to intense activities no pets will be allowed. Any personal vehicles will remain in designated parking areas. Camp curfew is 10:30 each night. Adult chaperones will be provided for each group of students. Respect for adult supervision is expected. All campers are to remain at camp for the duration of WyRED and may only leave when given permission by directors. If rules are violated campers will contact parents/guardians for immediate dismissal. Successful learning and camping will be achieved if all rules are followed and order maintained. These Rules are in place for your protection and comply with public safety standards.

Our Partners...

Who is SWCS?

The Soil and Water Conservation Society, (SWCS) is a nonprofit scientific and educational organization which was founded in 1943 with over 5,000 members worldwide. There are approximately 75 local Chapters throughout the United States and Canada. The organization serves as an advocate for conservation professionals and producers for science based conservation practice, programs and policy. The mission of SWCS is to foster the science and art of natural resource conservation. SWCS work targets conservation of soil, water, and related natural resources on the working land – land used to produce food, fiber, and other services that improve quality of life in urban and rural communities. We strive to develop, discover, implement, and improve the ways to utilize the land that sustains its productive capacity all while maintaining a healthy environment. SWCS pursues its mission through a combination of education, advocacy and research. SWCS, will again this year, join forces with SRM to put on the WyRED camp in Sublette County. SWCS will be responsible for the soil, geology and land judging portions of the program.



A Little History of Laramie County continued...

state's leading producer of dry land wheat, and other crops raised include corn, dry beans, barley, oats, sunflowers, alfalfa, and sugar beets. Livestock production plays an important role in the economy, with Laramie County ranking 8th in production of cattle and calves, and are also in the top 15 counties in breeding sheep production. The major urban areas include Cheyenne which is the county seat, and also the State Capitol, and Pine Bluffs and Burns in the eastern part of the county.



A Little History of Albany County continued...

and frequent strong winds creates an environment that is often harsh and unpredictable. Precipitation in the Laramie Basin averages 10" to 14" annually, with an average of 26 rainy days per year. Annual snowfall averages 42 inches. The majority of irrigated land in the district receives about 12" to 18" annually, occurring at the lower end of the range. Strong winds, water availability, short (90 day/yr) growing season, all limit plant growth.

Wyoming Resource Education Days (WyRED)

June 23-27, 2014

REGISTRATION FORM

Sponsored By: the Laramie County and Laramie Rivers Conservation District, the Wyoming Section of the Society for Range Management, Soil and Water Conservation Society, Natural Resource Conservation Service, Wyoming Department of Agriculture, University of Wyoming, Wyoming Private Grazing Lands Team, Round-Up, Wyoming Ag in the Classroom.

Name _____ Address _____
City _____ State _____ Zip _____ Phone _____

Health form must be filled out and sent in with this application. SEE ATTACHED FORM.

	On or Before May 24, 2014	After May 25, 2014**	Total
Pre-registration for WyRED camp, by May 20, 2013 (Includes: Range Camp and State Range Judging Program, meals and camp fee; applicant must have completed the 8 th grade)	\$175.00	\$200.00	_____
Pre-registration for State Range Judging Contest only (includes practice and Contest, Thurs. & Fri. with meals, 1 night lodging)	\$50.00	\$60.00	_____
		Total*	_____

***NOTE: Payment and registration prior to May 24th is important, however school vouchers will be accepted at registration time.**
****Registration closes June 16, 2014.****

CONTEST REGISTRATION SECTION

RANGE JUDGING CONTEST DIVISIONS – indicate the division you will enter
(Age after July 1, 2014)

INDIVIDUALS

Professional Open Adult (19 & over)¹ Open Youth (14-18) Range Riders (10-13)
Brush Poppers (9 & under)

TEAMS

4-H FFA Open Youth

Please list team member names:

PARTICIPATION AGREEMENT

If an injury or illness develops during an activity or event, medical care will be provided and I will be notified as soon as possible. I understand that it is my responsibility to provide updates of health status, any changes in health conditions or medicinal needs prior to events in which this youth participates. I also authorize each of the following to occur: If an injury or other medical condition occurs or arises, I grant permission for medical treatment to be obtained for the youth and authorize the physician and/or the other medical staff to employ such diagnostic procedures and medical treatment as deemed necessary. - I authorize the release of any medical records necessary for treatment, referral, billing, or insurance purposes. - I give permission for this entire form to be photocopied. - I understand that I am financially responsible for any and all charges for any medical attention provided to the indicated youth. I agree that all activities and use of all facilities relating to participation in WyRED activities shall be undertaken at the sole risk of the youth/family. The WY SRM, its officers, representatives, volunteer leaders and youth shall not be liable for any claims, demands, injuries, damage, actions or causes of action, whatsoever, to me, my family, or my property arising out of or connected with participation in WyRED or the premises where the programs/events occur. I do hereby release, discharge, and hold harmless the The WY SRM, its officers, representatives, volunteer leaders and youth from all such claims, demands, injuries, damage to person or property, actions or causes of action, including but not limited to all acts of active or passive negligence on the part of the WY SRM, its officers, representatives, volunteer leaders and youth. ***I have read, understand, and agree to the terms and conditions of this release, camp rules and conditions on page 3.***

By signing, I am also indicating this was done freely and without inducement.

Signatures:

Applicant _____ Parent/Guardian _____

Date _____

Make Checks Payable To: Laramie County Conservation District or LCCD and mail to WyRED, c/o LCCD, 11221 US Highway 30
Cheyenne, WY 82009 In the event of questions call 307-772-2600.

**Wyoming Section Society for Range Management—WyRED Camp
Health Form**

Contact Information:

Youth's Name: (First) _____ **(Last)** _____ **(MI)** _____

Address: _____ **(City)** _____ **(State)** _____ **(Zip code)** _____

Youth's Phone: _____ **Birth Date:** _____ **Age:** ____ **Gender:** ____

EMERGENCY CONTACT:

Name(s): _____

Relationship to Youth: _____

Primary Phone: _____ **Secondary Phone:** _____

Cell Phone: _____ **Cell Phone:** _____

HEALTH INFORMATION:

Does the Youth have any known health concerns: (Asthma, Bronchitis, Diabetes, Fainting Spells, Heart Trouble, High Blood Pressure, Seizures, Others): _____

Does the Youth have any Allergies to DRUGs: _____

Does the Youth have any Allergies to FOODs: _____

Does the Youth have any Allergies or reactions to things in NATURE: (Bee Stings, Hay fever, Ivy/Sumac/Oak, Other): _____

Medications: Requires Medications (Please List all with dosages or state Does not Require):

ADDITIONAL INFORMATION: _____

WyRED 2014 Schedule—TENTATIVE

Monday, June 23, 2014

12:00 pm Registration,
Harriman Retreat Center

1:00 pm Welcome/Camp rules

1:30 pm Intro to Plant Anatomy
Plant Identification &
Soils Basics

5:30 pm Daily quiz

6:00 pm Dinner

7:30-9 pm Agency Presentations
Round Table
Discussion

10:30 pm Camp Curfew

Tuesday, June 24, 2014

7:00 am Breakfast

8:00 am Pole Mountain Projects
Soils & Vegetation
Identification in
Field applications
Plant Collection

12:00 pm Lunch

1:00 pm Riparian Rehabilitations
Intro to Ecological Sites
and Range Health

5:00 pm Daily quiz

6:00 pm Dinner

7:00-9 pm Basic GPS use w/Map
Skills & Aerial Photo
Interpretation

Wednesday, June 25, 2014

7:00 am Breakfast

8:00 am FE Warren Air Force
Base, T&E Species

12:00 pm Lunch

1:00 pm High Plains ARS—
Grazing Strategies

5:00 pm Daily quiz

6:00 pm WY COWBELLS BBQ

7:00-9 pm Work on Plant Press-
es, Q&A with Instruc-
tors and Presenters

10:30 pm Camp Curfew

Thursday, June 26, 2014

7:00 am Breakfast

8:00 am Ranch Tour

12:00 am Lunch

1:00 pm Stocking Rates and
Field application
Contest/Test Practice

6:00 pm Dinner

7:00-9 pm Free time

10:30 pm Camp Curfew

Friday, June 27, 2014

7:00 am Breakfast/ Camp
cleanup

9:00 am Contest/Final Exam

12:00 pm Contest Ends

12:30 pm Lunch

1:30 pm Awards Ceremony

End of WyRED 2014
Fill out Evaluations

Throughout each day we will have short fun activities to break up the educational sessions.

*Please see camp rules and participation agreement on page 3. Each camper must bring a plant press to store and mount collected specimens. These presses can easily be made with two pieces of plywood and several pieces of card board, each 12" x 18" and bound together with small ropes. The press should be big enough for about 50 plant specimens.



WyRED 2014

June 23rd to June 27th in Cheyenne, WY



Sponsored by:
Laramie County & Laramie
Rivers Conservation Districts

WyRED Registration
11221 US Hwy 30
Cheyenne, WY 82009

Sponsors:

Platinum Level:



Gold Level: Wyoming Livestock Roundup

Silver Level:

Special Thanks to Our 2014 Sponsors.

We greatly appreciate it!!