Natural Resources Field Days

Learn about different habitats within Logan River's watershed by exploring wildlife, plants, soils and water.

Kids will be exploring this habitat with real scientists and NR managers and college students studying education, science, natural resources and more.

Water Station-

Station leaders:
USU Water Quality Extension

- Water connects all habitats
- Adaptations to aquatic habitats.

Build a bug – what adaptations would a kid need to live in a river?

Macroinvertebrate exploration – learn about small organisms that live in the river.

River exploration

Aquatic “bugs” up close

Wildlife Station-

Station leaders:
Utah Division of Wildlife Resources;
US Fish & Wildlife Service

- Connections between wildlife and their habitat needs.

Migration matters – needs and dangers for migratory birds.

Track stories – learn the stories that animals leave behind with their individual footprints and other "sign".

Exploring different wildlife habitat

Wildlife in
different habitats

Plant Station-

Station leaders:
Cache County Extension
USU Master Naturalist Program
USU Forestry Extension
Stokes Nature Center

- Plant adaptations to different habitats
- Scientific tools for classifying plants

Biomes- adaptation & habitat
The Forest Around Us – learn how to classify different plants

Using a key to ID plants

Soil Station-

Station leaders:
Utah Association of Conservation Districts
Bear River Watershed Coordinator

- Demonstrate different types of soils
- The importance of soils as foundation for different habitats.

learn about soil structure
and soil profiles

Soil profiles

Soil textures

24 schools, 2 school districts ~ 1400 kids

LCSD is purple | CCSD is green | Other schools in blue

2016 Natural Resource Field Days Detailed Schedule
Week 1

Water & Wildlife, Upper Campground - Soils & Plants, Lower Campground

Monday September 12, 2016

	Schools:	Summit (4)		Adams (2)		Park (2)	
ok	# of classes	Intro 9:30-9:50	Station #1 9:50-10:4	Station #2 10:45-11:3	Lunch 11:35-12:2	Station #3 12:20-1:1	Station #4 1:15-2:05
Summit	2	Water	Water	Wildlife	Lunch	Plants	Soils
Summit	2	Wildlife	Wildlife	Water	Lunch	Soils	Plants
Adams	2	Plants	Plants	Soils	Lunch	Water	Wildlife
Park	2	Soils	Soils	Plants	Lunch	Wildlife	Water

Tuesday, September 13, 2016

	Schools:	Wellsville (3)		Lincoln (3)			
Both late	# of classes	Intro 9:30-9:50	Station #1 9:50-10:4	Station #2 10:45-11:3	Lunch 11:35-12:2	Station #3 12:20-1:1	Station #4 1:15-2:05
Wellsville	2	Water	Water	Wildlife	Lunch	Plants	Soils
Wellsville	1	Wildlife	Wildlife	Water	Lunch	Soils	Plants
Lincoln	1	Plants	Plants	Soils	Lunch	Water	Wildlife
Lincoln	2	Soils	Soils	Plants	Lunch	Wildlife	Water

Wednesday, September 14, 2016

	Schools:	Lewiston (4)		Heritage (4)			
Heritage - late	# of classes	Intro 9:30-9:50	Station #1 9:50-10:4	Station #2 10:45-11:3	Lunch 11:35-12:2	Station #3 12:20-1:1	Station #4 1:15-2:05
Lewiston	2	Water	Water	Wildlife	Lunch	Plants	Soils
Lewiston	2	Wildlife	Wildlife	Water	Lunch	Soils	Plants
Heritage	2	Plants	Plants	Soils	Lunch	Water	Wildlife
Heritage	2	Soils	Soils	Plants	Lunch	Wildlife	Water

Thursday, September 15, 2016

	Schools:	Providence (4)		Mountainside (2)		Nibley (2)	
All Late	# of classes	Intro 9:30-9:50	Station #1 9:50-10:4	Station #2 10:45-11:3	Lunch 11:35-12:2	Station #3 12:20-1:1	Station #4 1:15-2:05
Providence	2	Water	Water	Wildlife	Lunch	Plants	Soils
Providence	2	Wildlife	Wildlife	Water	Lunch	Soils	Plants
Mountainside	2	Plants	Plants	Soils	Lunch	Water	Wildlife
Nibley	2	Soils	Soils	Plants	Lunch	Wildlife	Water

Friday, September 16, 2016

	Schools:	Bridger (3)		Woodruff (4)			
ok	# of classes	Intro 9:30-9:50	Station #1 9:50-10:4	Station #2 10:45-11:3	Lunch 11:35-12:2	Station #3 12:20-1:1	Station #4 1:15-2:05
Bridger	2	Water	Water	Wildlife	Lunch	Plants	Soils
Bridger	2	Wildlife	Wildlife	Water	Lunch	Soils	Plants
Woodruff	2	Plants	Plants	Soils	Lunch	Water	Wildlife
Woodruff	2	Soils	Soils	Plants	Lunch	Wildlife	Water

2016 Natural Resource Field Days Detailed Schedule
Week 2

Water & Wildlife, Upper Campground - Soils & Plants, Lower Campground

Monday September 19, 2016

	Schools:	Greenville (4)		Millville 2			
Millville -late	# of classes	Intro 9:30-9:1	Station #1 9:50-10:	Station #2 10:45-11:1	Lunch 11:35-12:2	Station #3 12:20-1:1	Station #4 1:15-2:05
Greenville	2	Water	Water	Wildlife	Lunch	Plants	Soils
Greenville	2	Wildlife	Wildlife	Water	Lunch	Soils	Plants
Millville	1	Plants	Plants	Soils	Lunch	Water	Wildlife
Millville	1	Soils	Soils	Plants	Lunch	Wildlife	Water

Tuesday, September 20, 2016

	Schools:	River Heights (3)		Canyon (3)		BRCS (1)	
Both CCSD late	# of classes	Intro 9:30-9:1	Station #1 9:50-10:	Station #2 10:45-11:1	Lunch 11:35-12:2	Station #3 12:20-1:1	Station #4 1:15-2:05
River Heights	2	Water	Water	Wildlife	Lunch	Plants	Soils
River Ht/BRCS	1&1	Wildlife	Wildlife	Water	Lunch	Soils	Plants
North Park	2	Plants	Plants	Soils	Lunch	Water	Wildlife
North Park	2	Soils	Soils	Plants	Lunch	Wildlife	Water

Wednesday, September 21, 2016

	Schools:	Birch Creek (4)		Sunrise (4)			
ok	# of classes	Intro 9:30-9:1	Station #1 9:50-10:	Station #2 10:45-11:1	Lunch 11:35-12:2	Station #3 12:20-1:1	Station #4 1:15-2:05
Birch Creek	2	Water	Water	Wildlife	Lunch	Plants	Soils
Birch Creek	2	Wildlife	Wildlife	Water	Lunch	Soils	Plants
Sunrise	2	Plants	Plants	Soils	Lunch	Water	Wildlife
Sunrise	2	Soils	Soils	Plants	Lunch	Wildlife	Water

Thursday, September 22, 2016

	Schools:	North Park (4)		Ellis (2)		ERLS (2)	
ok	# of classes	Intro 9:30-9:1	Station #1 9:50-10:	Station #2 10:45-11:1	Lunch 11:35-12:2	Station #3 12:20-1:1	Station #4 1:15-2:05
Canyon	2	Water	Water	Wildlife	Lunch	Plants	Soils
Canyon	1	Wildlife	Wildlife	Water	Lunch	Soils	Plants
Ellis	2	Plants	Plants	Soils	Lunch	Water	Wildlife
ERLS	2	Soils	Soils	Plants	Lunch	Wildlife	Water

Friday, September 23, 2016

	Schools:	Hillcrest (3)		Wilson (3)			
ok	# of classes	Intro 9:30-9:1	Station #1 9:50-10:	Station #2 10:45-11:1	Lunch 11:35-12:2	Station #3 12:20-1:1	Station #4 1:15-2:05
Hillcrest	2	Water	Water	Wildlife	Lunch	Plants	Soils
Hillcrest	1	Wildlife	Wildlife	Water	Lunch	Soils	Plants
Wilson	1	Plants	Plants	Soils	Lunch	Water	Wildlife
Wilson	2	Soils	Soils	Plants	Lunch	Wildlife	Water

Natural Resources Schedule

Daily schedule:

Station 1	9:30 - ~ 9:50 – General intro to kids about NR Days
	9:50 – 10: 40 – First station activities
Station 2	10:45 – 11:30 – Second station activities
Lunch	11:35 – 12:20 – kids eat at station 3 location
Station 3	12:20 – 1:10 – Third station activities
Station 4	1:15 – 2:05 - Fourth station ac

General Guidelines

Preparations beforehand:

- Go over your station lesson plans, notes on talking points, scripts – whatever works.
- If you have a partner, communicate ahead of time and go over the activity.
- Go over the general logistics of the day so you can help direct teachers and students who may be lost. ***Review the website (www.extension.usu.edu/waterquality/annual-events/nrdays.)***
- Make sure you have contact info for your station leader (will be posted on website).
- Contact station leaders or your teaching partner if you have questions OR if your plans change (please try to avoid this!)
- Arrange carpools if possible.

General Guidelines

Before you leave for NR Days:

- We will make the call for a rain day each morning. Check for texts or phone messages.
- Rain days will be at the Cache Fairgrounds (see map on website) and will end by lunch time. Only morning volunteers will be needed.

General Guidelines

Before you arrive:

- If you are there all day, pack your own lunch. It will not be provided.
- Dress appropriately
- Bring: water, hat, bug spray, sunscreen, snack, etc.
- Arrive 15 minutes before the actual teaching will begin. This will give you a chance to coordinate briefly with station leader and other volunteers

  Morning sessions begin at 9:30 (so arrive by 9:15);
  Afternoon sessions begin at 12:20 (so arrive by 12:05)

- It takes a minimum of 20 minutes to get to the campground from campus
- Park at the Wind Caves parking lot (see map)

General Guidelines

When you get to Guinevah-Malibu:

- Check in with station leader, who is there to help you. Decide who will teach the lessons (eg. watch the first time, do it the second time).
- You represent USU and the partner agencies– behave appropriately, respectful of the students, teachers and the environment. Role model respectful behavior.
- Engage teachers and parents.
- Tips and tricks for outdoor discipline: bring wild kids to the front or at close proximity, engage kids in questions, observations, ask the teacher how he/she typically restores order.
- Emphasize integration, observation and questioning, how the watershed connects all the stations.

Fostering learning

- Celebrate flexible and creative approaches
- Your students will catch your enthusiasm for the topic
- Keep a safe environment
- Work with teachers on how to manage kids
- Use inclusive language
- Encourage questions and feedback
- Admit it if you don't know.
- Help create a fun, engaging, and hands-on learning environment for the students.

Natural Resources Days

Map & Rotation Info-

Logan Canyon Site

How rotation works:
Students will attend either the two upstream or downstream sessions in the morning, then move to the other end of the campground for lunch and their afternoon sessions.

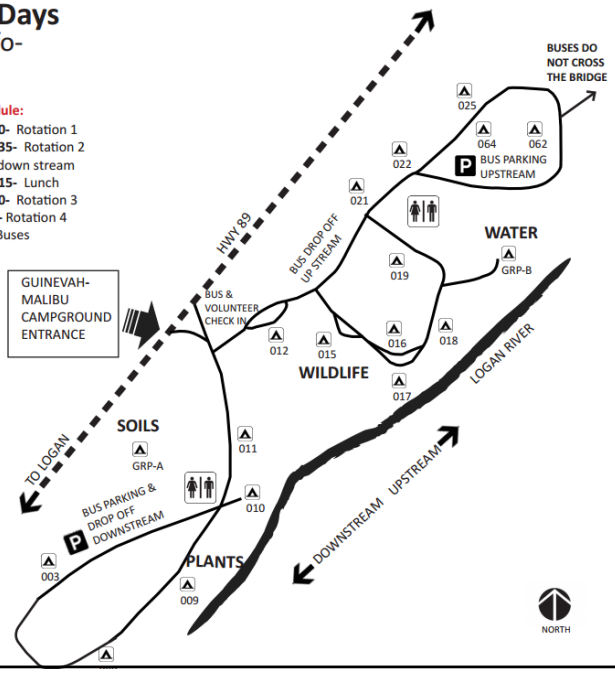
Rotation Schedule:
- **9:30 to 10:40-** Rotation 1
- **10:45 to 11:35-** Rotation 2
  Migrate up/down stream
- **11:40 to 12:15-** Lunch
- **12:20 to 1:10-** Rotation 3
- **1:15 to 2:05-** Rotation 4
- **2:10-** Load Buses

Bus Drivers:
Unload students at their morning sites -- teachers will know their first station -- then park at the opposite end of the campground.

Lunch:
Lunches will be available for pick up at your bus, which will be parked near your two afternoon sessions.

Volunteers:
Parking is across the highway from campground entrance

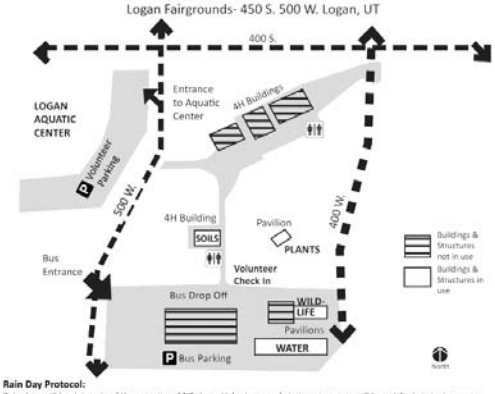
Please dispose garbage in dumpsters located by the entrance.



Natural Resources Days

Map & Rotation Info for Rain Days

Logan Fairgrounds- 450 S. 500 W. Logan, UT



Rain Day Protocol:
Rain days will be determined the morning of NR days. Volunteers and station managers will be notified via text messaging or by phone. Schools and buses will be notified separately.

How rotation works:
The site coordinator will let teachers know what station to start at, and their rotation schedule for the day. Stations will last for 25 minutes with 5 minutes to rotate in between.

Station Schedule Half Day:
- **9:30 to 10:00-** Rotation 1
- **10:30 to 11:00-** Rotation 2
- **11:00 to 11:30-** Rotation 3
- **11:30 to 12:00-** Rotation 4
- **12:00-** *Lunch and load buses

Bus Drivers:
Bus Drivers will enter through the south entrance drop off students and park in the parking area south of the fair grounds.

Volunteers:
Please park at the Logan City Aquatic Center parking lot and proceed to the volunteer check in immediately upon arrival.

***Lunch:**
Classes may decide if they would like to eat their lunches at the fairgrounds or at their schools.