**Boise EPSCoR Adventure Learning Workshop 2017**

**July 10-14, 2017**

**Goals of the workshop:**

* **Understand local Socio ecological systems**
* **Understand ecosystem services**
* **Meet and learn the multiple viewpoints of stakeholders in our watershed**
* **Plan to incorporate new ideas into your school year curriculum**
* **Communicate with an on-line audience of digi-learners to share resources and new knowledge**
* **Have fun!**

**Monday, July 10 - The Boise River Watershed, Ecosystem Services, Socio-ecological Systems**

**8:00-8:45 Introduction and Ice breaker**

**8:45-9:30 Introduction to workshop**

**9:30-10:30 The Boise River WaterShed, Julie Scanlin**

**10:30-11:30 What do socio-ecological systems and ecosystem services mean to you?**

**11:30-12:30 Lunch, Blog, and pack up camping gear**

**12:30-1:30 Boise WaterShed River Campus Tour**

**1:30-2:45 Climate Change presentation and activities**

Karie Boone, PhD. candidate Colorado State University

 Mark Robbins, PhD. candidate University of Michigan

**3:00 Leave for Idaho City Camping trip**

**4:00 arrival at Idaho Center for Outdoor Education and welcome by Principal John McFarlane**

**4:00-5:30 Free time**

**5:30 Dinner**

**6:00 Mary Hallock Foote presentation by Janet Worthington**

**7:45 – 9:45 The Springs pool and geothermal presentation by Jon Gunnerson**

**Campfire**

**Tuesday, July 11 – Upper Watershed and Water Management: History & Hydropower**

**7:00- 8:30 Breakfast and Pack up camp**

**8:30-9:30 Mining presentation and activity with Brian Lawless**

**9:30-10:30 Forest Fires and Fire boards activity by MOSS**

**10:30-11:30 Water Quality Testing**

**11:30-12:45 Drive & Lunch at Lucky Peak**

**1:00-3:00 Tour of Diversion Dam, Irrigator and Hydropower perspective**

Brian Sauer Supervisor, USBR Diversion Dam Powerplant Tour

 Rick Martin, Boise Project History of irrigation

Matthew Walker, Army Corps of Engineers

**3:00-3:30 Drive back to Boise WaterShed**

**3:30-4:00 Blog**

**4:00-4:30 Reservoir Management Activity**

**4:30 – 5:00 Unload equipment**

**Wednesday, July 12 – Ecosystem Services of Biodiversity**

**8:00-8:30 Breakfast; check blog**

**8:30-9:00 Drive to Idaho Bird Observatory**

**9:00 – 11:00 Intermountain Bird Observatory presentation and bird banding**

Heidi Ware, IBO

**11:00-11:15 Drive to Municipal Park**

**11:15-11:45 Lunch**

**12:15-1:15 Suez drinking water treatment plant tour**

**1:30-2:30 Value of School Gardens, Tour Roosevelt Elementary gardens**

Holly Hovis, BLM

**2:30-4:00 Cottonwood Creek Tour & Daylighting project**

Peter Anderson and Sabrina Beus,Trout Unlimited

**4:30-5:00 Blog and debrief**

**Thursday, July 13 – Value of Public Lands for human and ecosystem health**

**8:00-8:30 Breakfast; check blog and respond to comments**

**8:30-9:00 Drive to Eagle Island State Park**

**9:00-9:30 Sagebrush ecosystems Activity and Recreation impacts to health**

Chelsea Merriman, BSU HES

**10:00-11:30 Hike and conduct activity about human interaction with wildlife; discussion**

**Concurrently: Birding hike**

**11:30-12:00 Ellie Opdahl, BSU present her research**

**12:00-12:30 Lunch**

**12:30-2:00 Begin teacher projects**

**2:00-3:30 Raptor presentation**

Cory Coffman, BLM

**3:30-5:00 Blog and teacher projects**

**Friday, July 14 – Lower Boise Watershed: Farms and Fish**

**8:00-9:00 Breakfast and Travel time**

**9:00-10:30 Tour Glen Edwards’ farm**

Glen Edwards, Ada Soil and Water Conservation District

**10:30-11:00 Drive to Lake Lowell’s Deer Flat National Wildlife Refuge**

**11:00- 12:30 Presentation and Lunch at Deer Flat Visitor Center**

Susan Kain

**12:45-1:30 Nampa Fish Hatchery Tour**

**1:30-2:00 Drive back to Boise WaterShed**

**2:00-3:00 Discussion; final blog and surveys**

**3:00-5:00 Final Projects: Digital Storytelling**