







## Theme—Shrub-Steppe **Animals**

Shill - Steppe landscapes are dominated by rolling, grassy plains or "steppe," with an overstory of sagebrush and other woody shrubs. On the ground, a fragile community of microscopic organisms form the cryptobiotic crust, which locks in moisture and helps prevent erosion. Various habitat features such as streams, wetlands, rocky talus slopes, and canyons support a variety of plants and animals uniquely adapted to the harsh and sensitive Steppe ecosystem. Shrub-Steppe

landscapes extend from south-central British Columbia into Eastern Washington, Oregon, and California, through Idaho, Nevada, and Utah, and into western Wyoming and Colorado. In Washington, Shift In The State of the State o **Steppe** habitats are throughout the Columbia

Plateau and into the surrounding higher elevations regions.



What else can you observe in the shrub-steppe? Try to find:

- Wildflowers
- **Burrowing Owls**
- **Large Sage Brush**
- **Sage Thrashers** 
  - Bitterbrush

### Expert (s) & Check-In

Dr. Kristina Ernest Dr. Daniel Beck

Sunday May 9 1pm-3pm @ Yakima Canyon Interpretive Center

Please pre-register for in-person check-in here.

#### Challenge

Your challenge, should you choose to accept it is to:

# 2 Shiub-Steppe mammals Of Lizards

Sagebrush ecosystems provide habitat for about 250 vertebrate species. Shrubsteppe small mammals and birds typically nest either underground or nest using the structure of shrubs and tall grasses. A number of species have become so adapted to the shrubsteppe that they have become obligates, including the Sage and Brewer's sparrows, sage grouse, sage thrasher, and pygmy rabbit. Even though you may have never seen one, three kinds of lizards are found in shrub-steppe lands of the lower Columbia Basin: the side-blotched lizard, northern sagebrush lizard, and short-horned lizard. Your bonus challenge: The side-blotched lizard is the most abundant lizard in the area.

Suggested Hikes/ **Walks & Locations** 

**Quilomene Recreation** Area

Selah Cliffs

Yakima River Canyon

#### WildHorse Wind & Solar **Facility**

(permit required...that can be found here: Permits are free and can be filled out here: <a href="https://">https://</a> www.pse.com/pages/tours-andrecreation/wild-horse/wild-horseaccess-request )

> Don't forget to track your observations with iNaturalist under our project.



Click on the image to join the project.

Dr. Kristina Ernest — Dr. Ernest has a Ph.D. from the University of New Mexico and teaches General Biology, General Ecology, Mammalogy, Wildlife & Fisheries Ecology, Conservation Biology, Community Ecology, and Field Techniques at Central Washington University. Her research focuses on population and community ecology with particular interested in community structure, plant-herbivore interactions, and tropical biology. Her lab is investigating ecological connectivity of pika populations in the central Washington Cascades across Interstate 90.

**Dr. Daniel Beck**— Dr. Beck has a Ph. D. University of Arizona (Ecology & Evolutionary Biology), 1991. He teaches at Central Washington University in Ellensburg and works to strengthen the field biology program and catalyze interdisciplinary field/natural history experiences in the natural sciences. His research focuses on Northwest vertebrate terrestrial ecology, habitat selection, tropical dry forest ecology of Western Mexico, and the biology of helodermatid lizards.