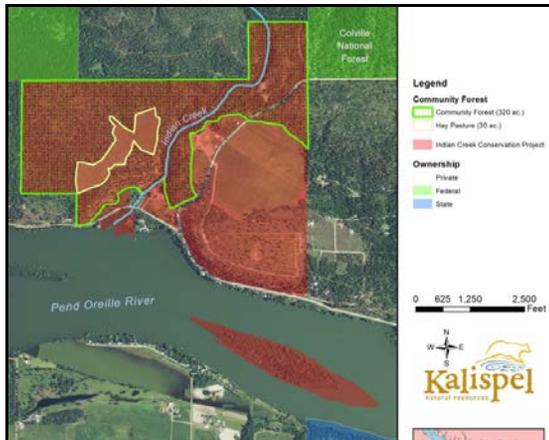


## EXPERT SCIENTIST VOLUNTEERS

- Adam Gebauer (Soil Invertebrates)
- Bart George (Animal Signs & Camera Traps)
- Carol Mack (Plants)
- Drew Parker (Lichens/Fungi/Mosses)
- Ed Styskel (Earthworms)
- Jason Connor (Fish & Aquatic Insects)
- Jess Jordan (Amphibians/Reptiles)
- Joel Adams (Bat Ultrasonic Detection)
- John Stuart (Birds)
- Lucas Henderson (Lichens/Fungi/Mosses & Plants)
- Megan Wright (Forest Owl Night Calling)
- Raymond Ostlie (Fish & Aquatic Insects)
- Sandy Nichols (Solar Scopes & Laser-Guided Sky Tour)
- Sharon Sorby (Plants)

This Bio-Blitz is a cooperative effort by the *Kalispel Tribe of Indians Natural Resources Department* (Cusick, WA), and the Washington nonprofit *Selkirk Alliance for Science* (Newport, WA). The Washington nonprofit *Responsible Growth – Northeast Washington* (Newport, WA) provided canopies, tables, and chairs.



Have Fun and Feed Your Natural Curiosity!

## INDIAN CREEK BIO-BLITZ

### REGISTRATION

Complete and bring this form with you on the day you attend.

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City / State / Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

### ACTIVITY SCHEDULE

#### Saturday, June 8, 2019

- 12 Noon – Check-in begins
- 1:00 PM – Plant Survey
- 2:00 PM – Tree Climbing Demonstration
- 3:00 PM – Amphibian/Reptile Survey
- 3:00 PM – Solar Scopes
- 4:00 PM – Lichen/Fungi/Moss Survey
- 4:00 PM – Youth Activities
- 5:30 PM – **Dinner** (Free)
- 7:00 PM – Campfire Lighting & Nature Poetry
- 9:00 PM – Forest Owl Night Calling Survey
- 10:00 PM – Bat Ultrasonic Detection Survey
- 10:00 PM – Laser-Guided Sky Tour

#### Sunday, June 9, 2019

- 5:00 AM – Check-in begins
- 5:15 AM – Bird Survey
- 7:00 AM – **Breakfast** (Free)
- 8:00 AM – Soil Invertebrates Survey
- 9:00 AM – Youth Activities
- 9:00 AM – Earthworm Survey
- 10:00 AM – Animal Signs & Camera Trap
- 10:00 AM – Fish & Aquatic Invertebrate Survey
- 11:30 AM – Data Summary & Closing

## INDIAN CREEK BIO-BLITZ

**June 8 – 9, 2019**



***An intensive 24-hour inventory to find, count, and identify species of plants (flora) and animals (fauna) within the 350-acre Indian Creek Community Forest.***

**When:**

**12-noon Saturday, June 8 to  
12-noon Sunday, June 9  
Rain or Shine**

**Where:**

**1802 Indian Creek Road.  
0.4 miles up Indian Creek Road,  
east from LeClerc Road 7.3 miles  
north of Newport, WA**

**\*\*\* FREE ADMISSION \*\*\***

### What Is A Bio-Blitz?

A Bio-Blitz — short for Biological Blitzkrieg — is an intensive 24-hour inventory to find, count, and identify species of plants (flora) and animals (fauna) within a specific area. The study measures the biodiversity in that area, and the data provides a baseline about the relative health of that ecosystem.

### What Is The Purpose?

The 350-acre Indian Creek Community Forest is managed by the Kalispel Tribe of Indians to educate people about the diversity of life here and the services that these species provide to humans and naturally functioning ecosystems.

We want to excite adults and kids about science and scientific methods. The biodiversity data that is collected contributes to science-based knowledge useful for sovereign, public, and private land management planning. BioBlitz activities are fun, entertaining, and bring together diverse groups of people for community cohesion.

### How Can I Participate?

Your curiosity and appreciation of nature are the only experiences required. You should check in at the registration table upon arrival to obtain a free ticket stub and other information. You must also sign a photo release to permit our use of your photographs for future scientific or educational purposes. Personal information will be protected for privacy.

**By June 6, PLEASE notify one of the persons named below to reserve a seat at the free dinner and/or free breakfast.**

Wear footwear and clothing suitable for hiking on uneven ground. Binoculars or a spotting scope are helpful for distance viewing. Field guides used for species identification will be available from expert scientist volunteers.

Keep your numbered ticket stub so we can identify who participates on the survey teams. For more information, contact Ed Styskel at 541-678-1144 or Mike Lithgow at 509-370-8794.

### How Does Our Bio-Blitz Work?

Groups of participating individuals or families are organized into teams led by an expert scientist to observe and record the plant or animal species of focus. Our Bio-Blitz is concentrating on bats, birds, amphibians/reptiles (collectively called “herps”), fish, insects, earthworms, plants, and lichens/fungi/mosses.

Each team will hike to the surrounding forest, fields, and waters at the scheduled time to observe and document target species that are encountered. Observations are documented with photographs (if possible), GPS coordinates, and other information entered into the iNaturalist database (<https://www.inaturalist.org/projects/indian-creek-bio-blitz>).

Individuals can survey on their own without attending a scientist-led survey team. You can use your own iNaturalist account and post observed species into the Indian Creek Bio-Blitz Project. The free iNaturalist app (<https://www.inaturalist.org>) for Android and iOS smartphones lets you click or upload your species photos, and it automatically records your GPS coordinates. It also helps with species identification via Artificial Intelligence image recognition.

If you don't wish to use iNaturalist, you may record your findings on paper datasheets available at the registration table. Be sure to return completed datasheets to the collection box located at the registration table.

Some team surveys take place early in the morning or after dark to have the best success for observations. For example, bats and small forest owls are most active or noticeable at twilight or after dark, while most songbirds stir early in morning daylight.

Over the course of 24 hours, we hope to survey as many different habitats for species of plants and animals as can be found.

Findings from this event will be summarized into an Indian Creek Bio-Blitz Final Report soon afterwards. This report will be posted on our websites and can be emailed to attendees.

### What Other Activities Are Planned?

On both days of the Bio-Blitz, there will be interesting **exhibits** to explore. These include:

- Animal pelts and skulls
- Rare plant herbarium specimens
- Butterfly collection.

For the adventurous, a **tree-climbing demonstration** may bestow upon volunteers the thrill of levitation by rope and harness.

If the weather cooperates, a **Solar Scopes** setup will view the sun during the day. After dark, a **Laser-Guided Sky Tour** will search for visible constellations.

On both days, there will be **youth activities** meant to energize and entertain a creative mind.

Attendees have a chance to win a **door prize** awarded to individual surveyors with these Bio-Blitz accomplishments:

- Best photograph of an observed species
- Most observed species
- Most observed species verified by photograph
- Most scientist-led team sessions attended.

Because the winner of some categories may not be evident until the Bio-Blitz is over, those prizes will be delivered or mailed.

There will be a **free dinner** on Saturday evening and **free continental breakfast** on Sunday morning. See the Activity Schedule for times.

On Saturday evening after dinner, participants can linger around a **campfire** to hear inspiring **nature poetry**. Bring your own favorite to share.

Portable **toilets** and potable **water** are onsite.

### What Other Bio-Blitz Is Nearby?

Starting a day earlier than our event, the Kaniksu Land Trust in Sandpoint, ID is conducting their own Bio-Blitz on nearby University of Idaho land from noon June 7 to noon June 8. Check online for details at <https://kaniksulandtrust.org/2019/04/08/bioblitz-2019/>.