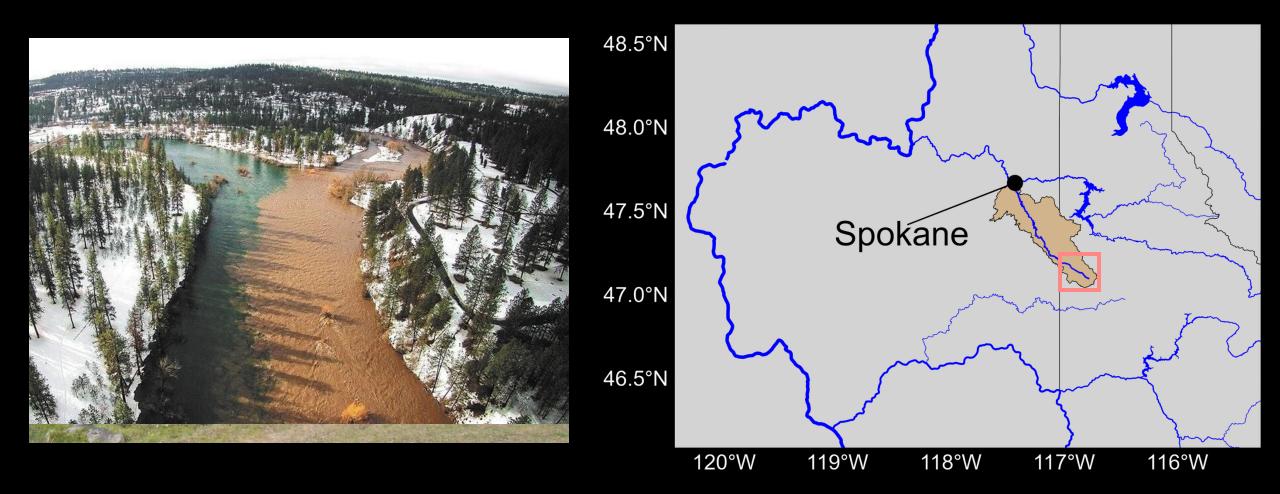
# Hangman Redband: Population connectivity in a highly degraded watershed



Sam Owens Fisheries Biologist Coeur D'alene Tribe Fish and Wildlife

### Hangman Creek Watershed



#### Background

#### Monitoring

#### Trends

### Hangman Redband





#### Background

#### Monitoring

### Importance of Population Connectivity



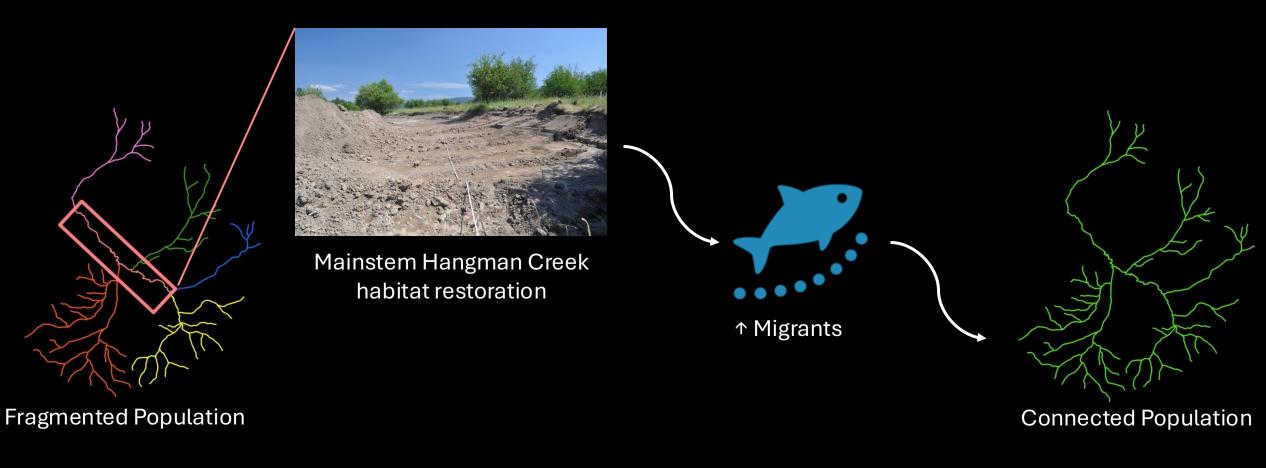
### Resilient Population

#### Background

#### Monitoring

#### Trends

### Improving Connectivity Through Restoration

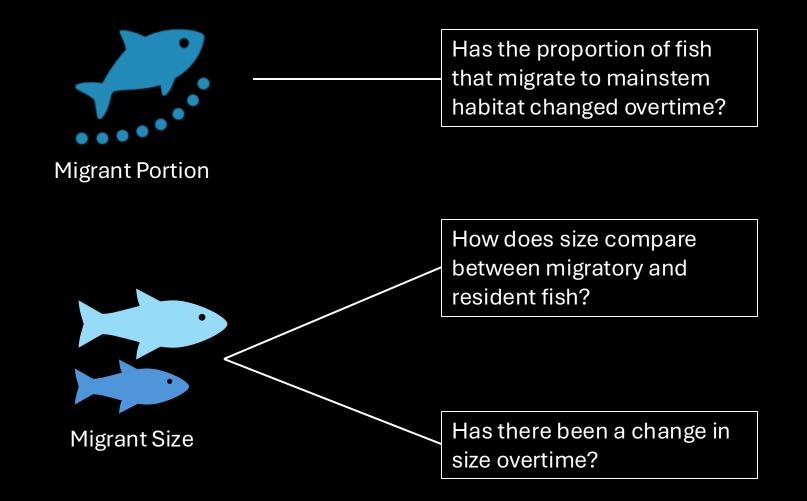


#### Background

#### Monitoring

#### **[**rends

## **Monitoring Migratory Behavior**



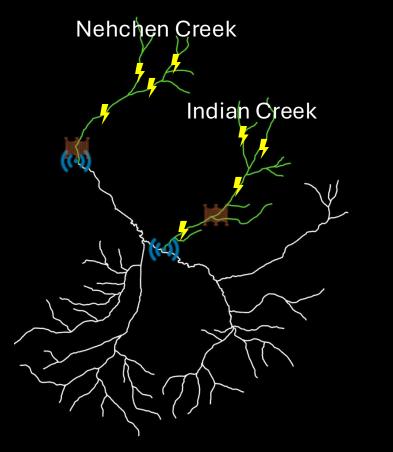
#### Background

#### Monitoring

#### Trends

### **Tagging and Detection Events**





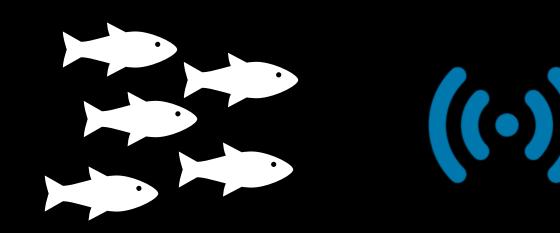


#### Background

#### Monitoring

#### **Trends**

### **Quantifying Portion of Migrants**



Tagged Fish

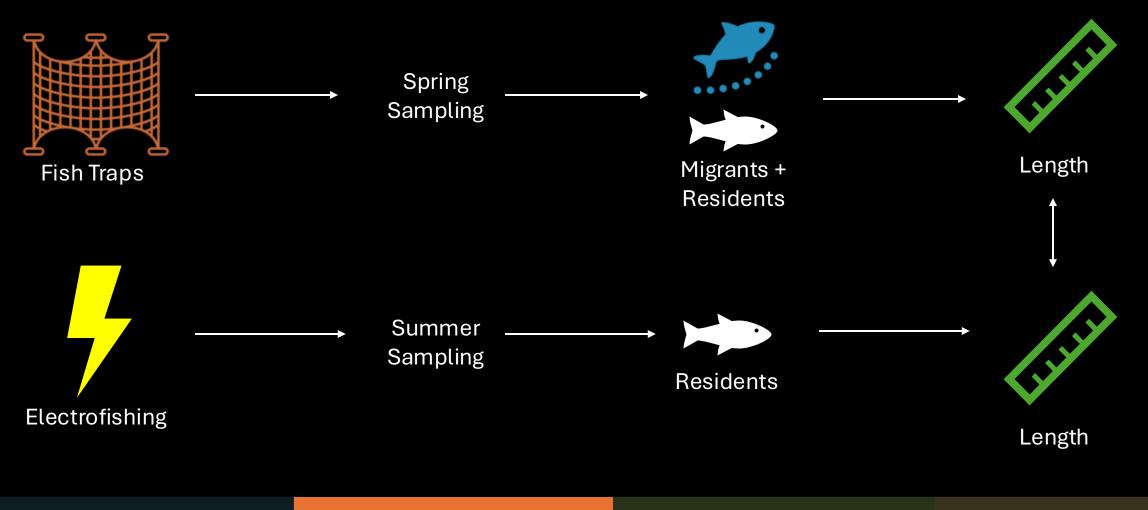
PIT Tag Detection Sites Migrant

#### Background

#### Monitoring

#### Trends

## Quantifying Fish Size

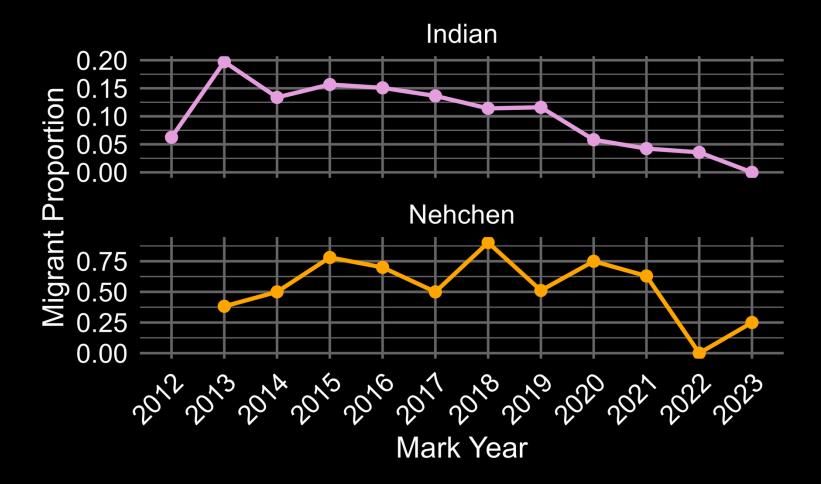


#### ackground

#### Monitoring

#### **Frends**

### Portion of Migrants

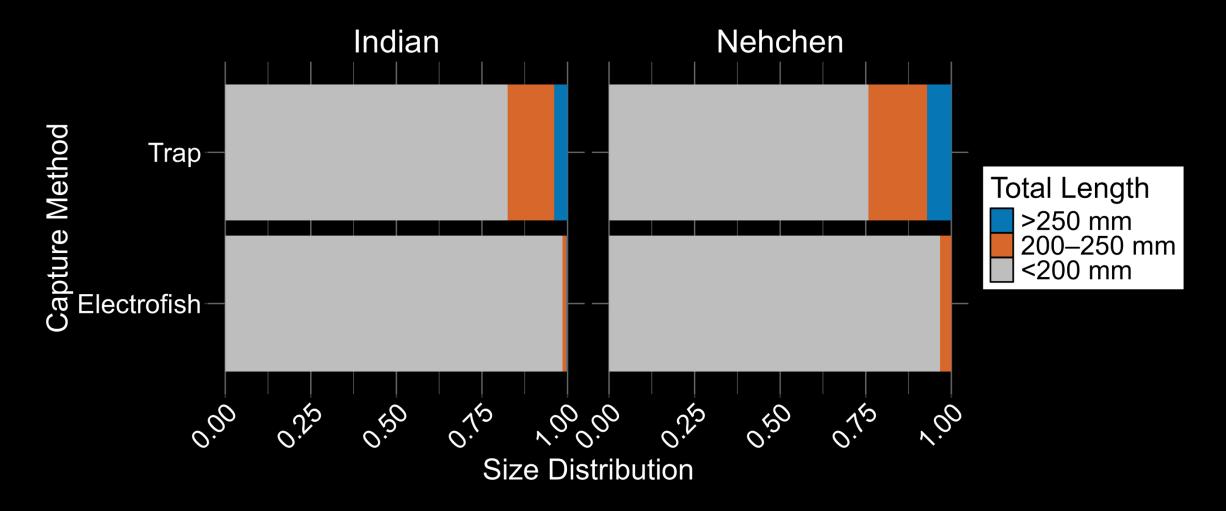


Background

Monitoring

#### Trends

### Portion of Large Fish

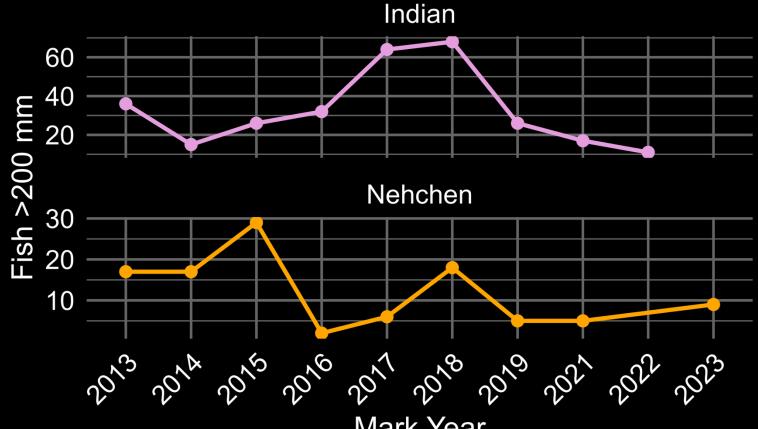


Background

#### Monitoring

#### Trends

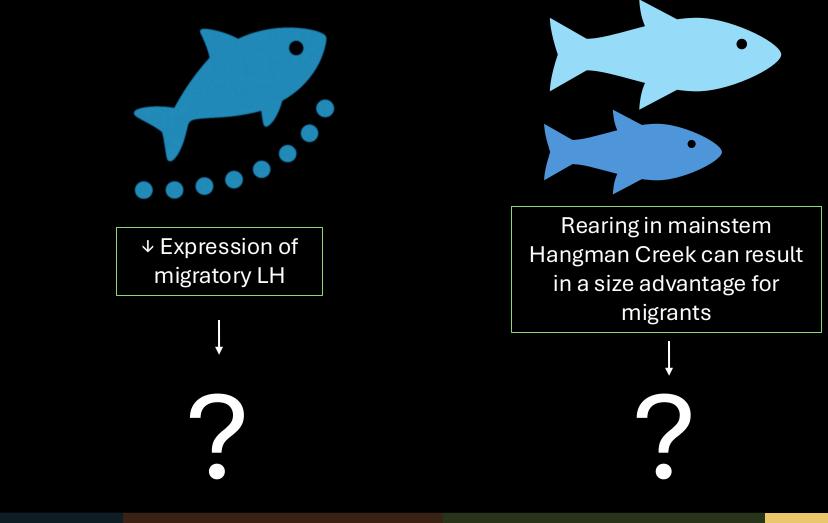
### Total Large Fish Overtime



Mark Year

#### **Trends**

### Takeaways



#### nd Moi

#### Trends

### **Future Monitoring**

↑ PIT Tag Monitoring

Fine Scale Assessment of Occupancy Broader Understanding of Migratione Scale Assessment of Habitat

#### Background

#### Monitoring

#### Trends

# Questions