

Natural Resource Specialist Update



parks · recreation · cultural services

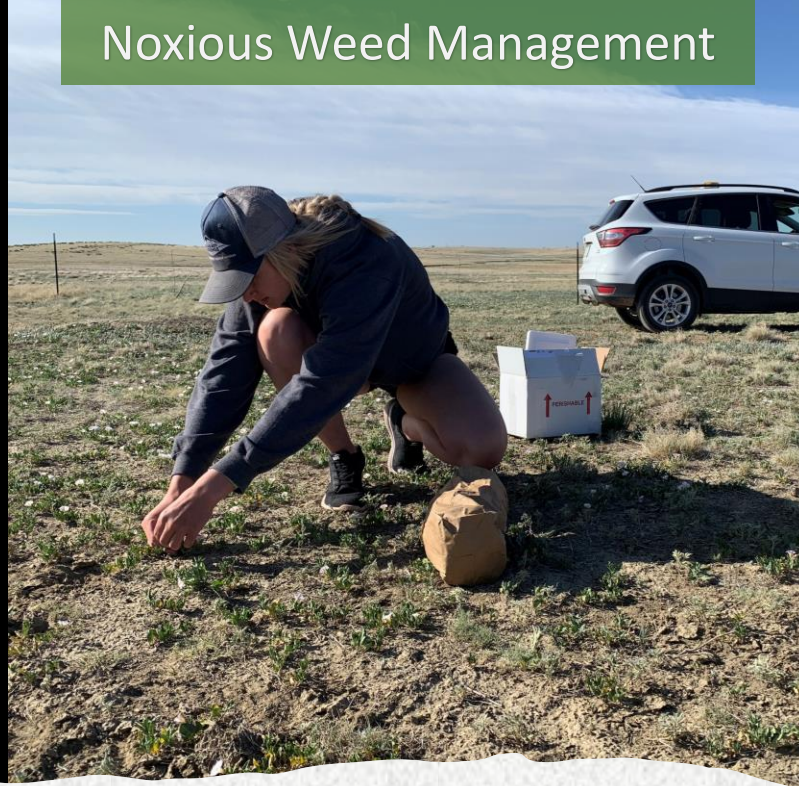


By: Cody Bear Sutton

Wildlife Monitoring



Noxious Weed Management



Natural Resource Monitoring



Natural Resource Crew

Natural Resource Specialist

1 Biological Techs
Mar - Oct

1 Resource Tech
Hourly

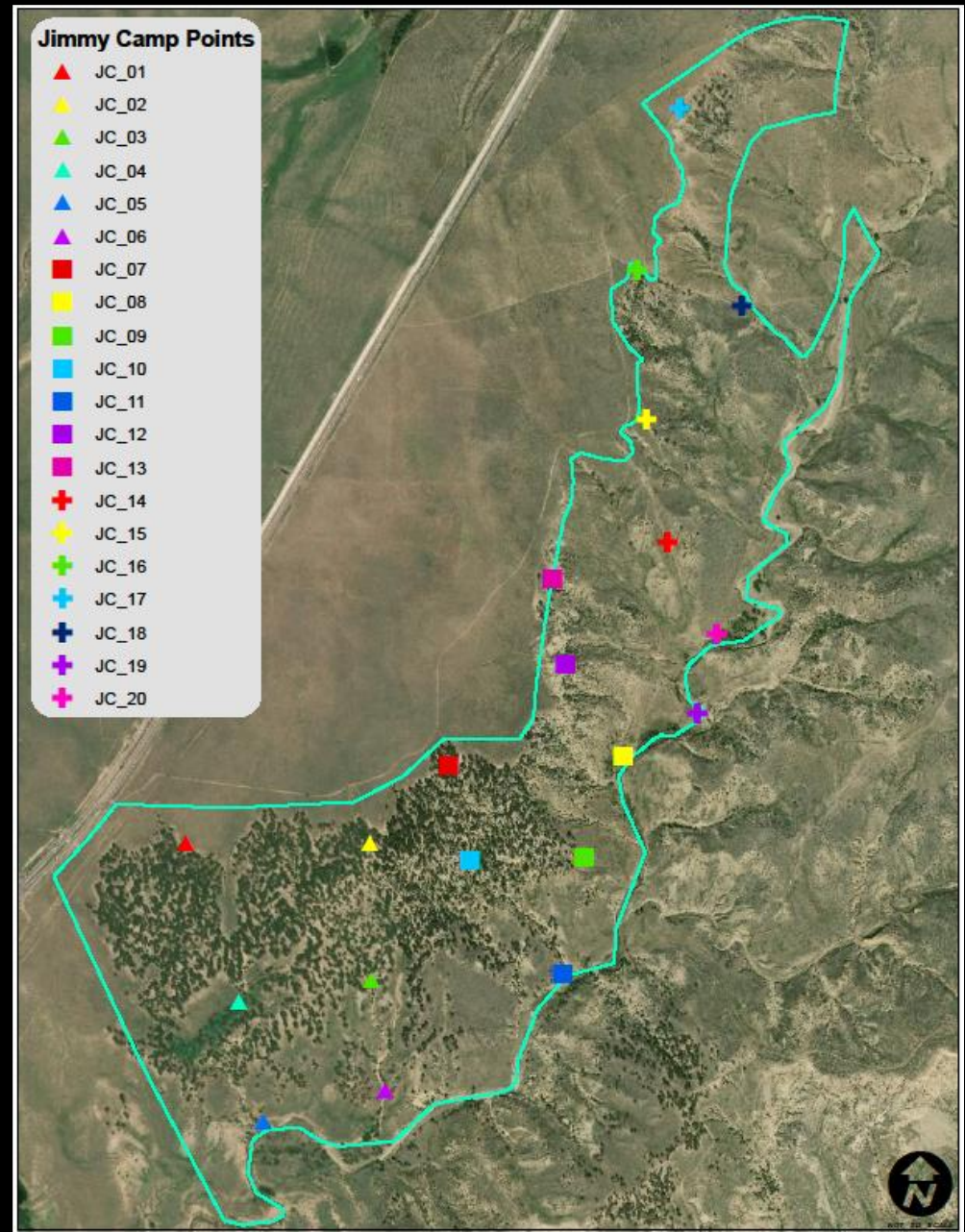
Wildlife Monitoring

- Migratory Bird Treaty Act Survey
- Long Term Avian Monitoring
- Prairie Dog Population Monitoring
- Conservation Easement Monitoring
- Bat Monitoring
- Camera Traps

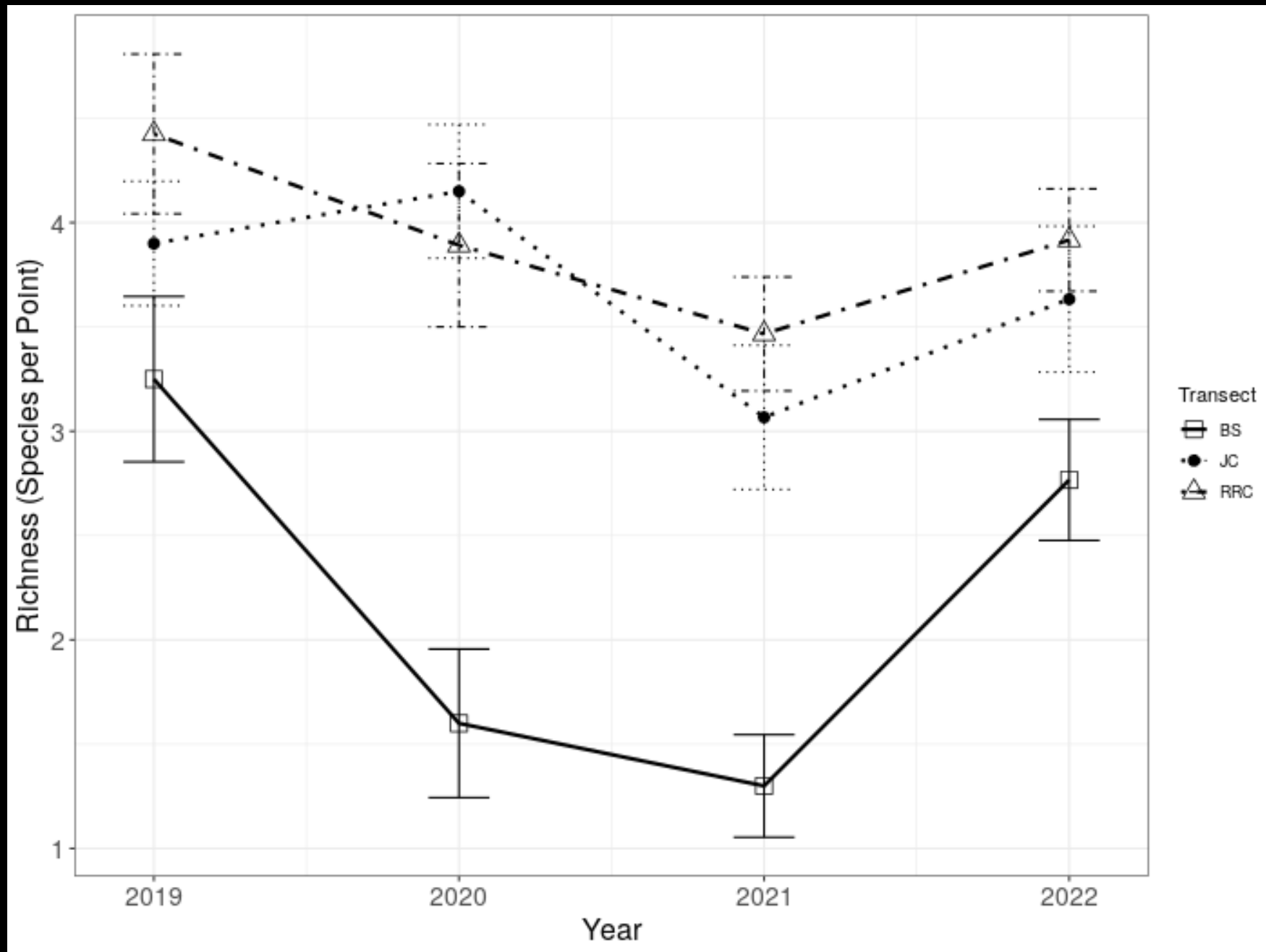


Avian Monitoring Update

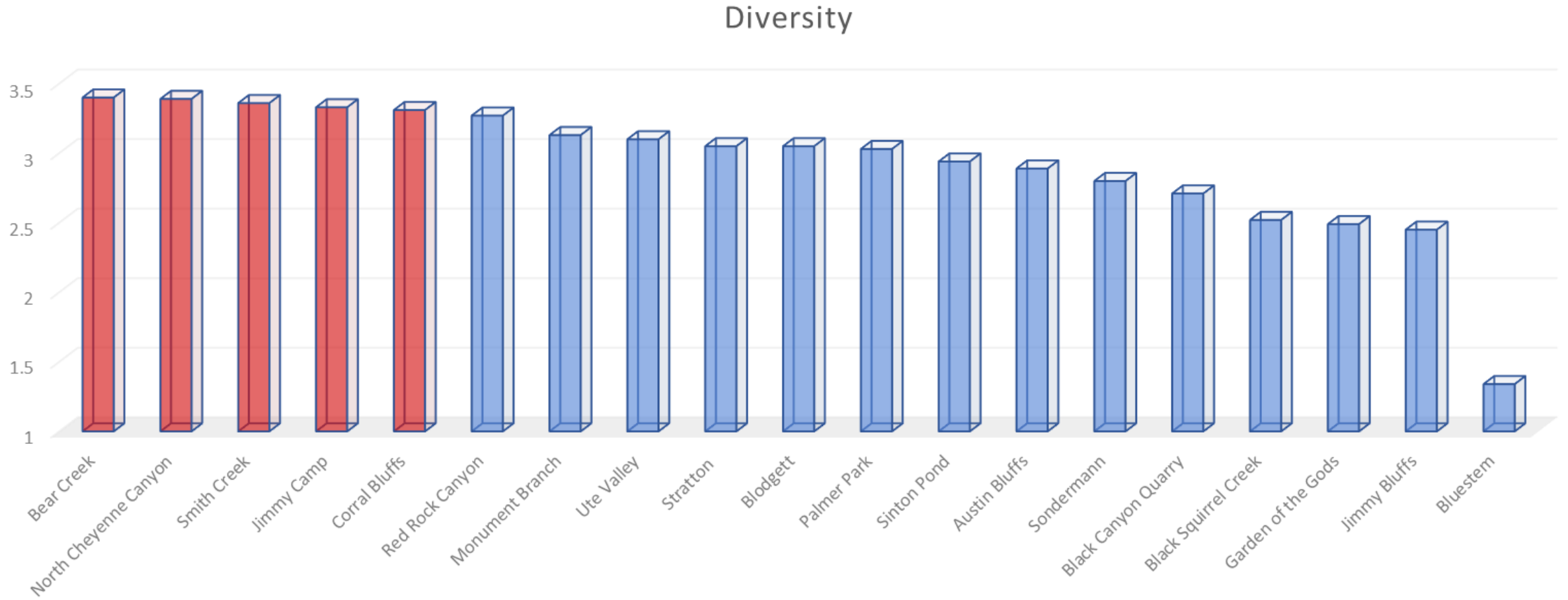
- Avian Point Counts
- 8 minute surveys
- Repeated 3 times a year
- Randomly placed points across a park.



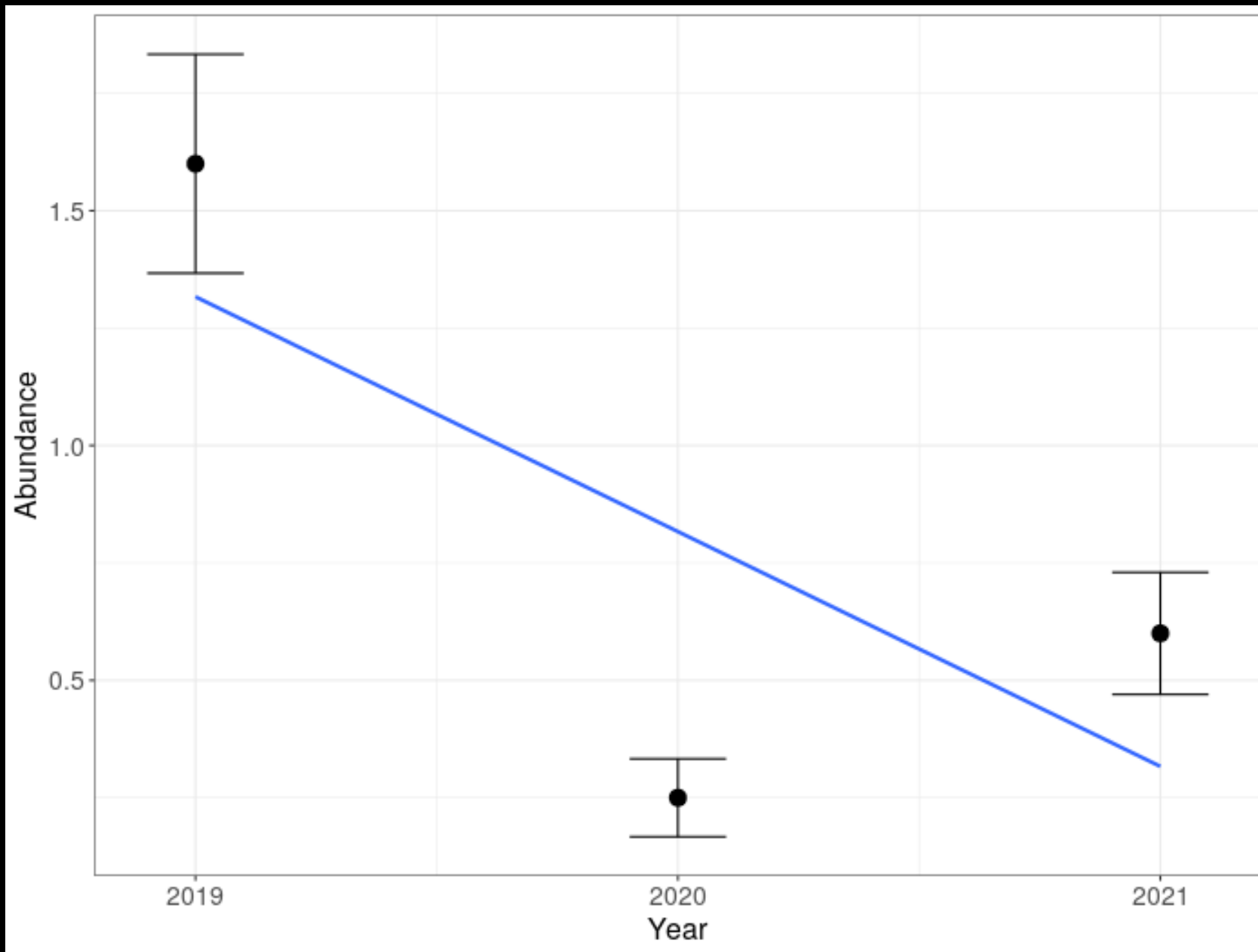
Species Richness



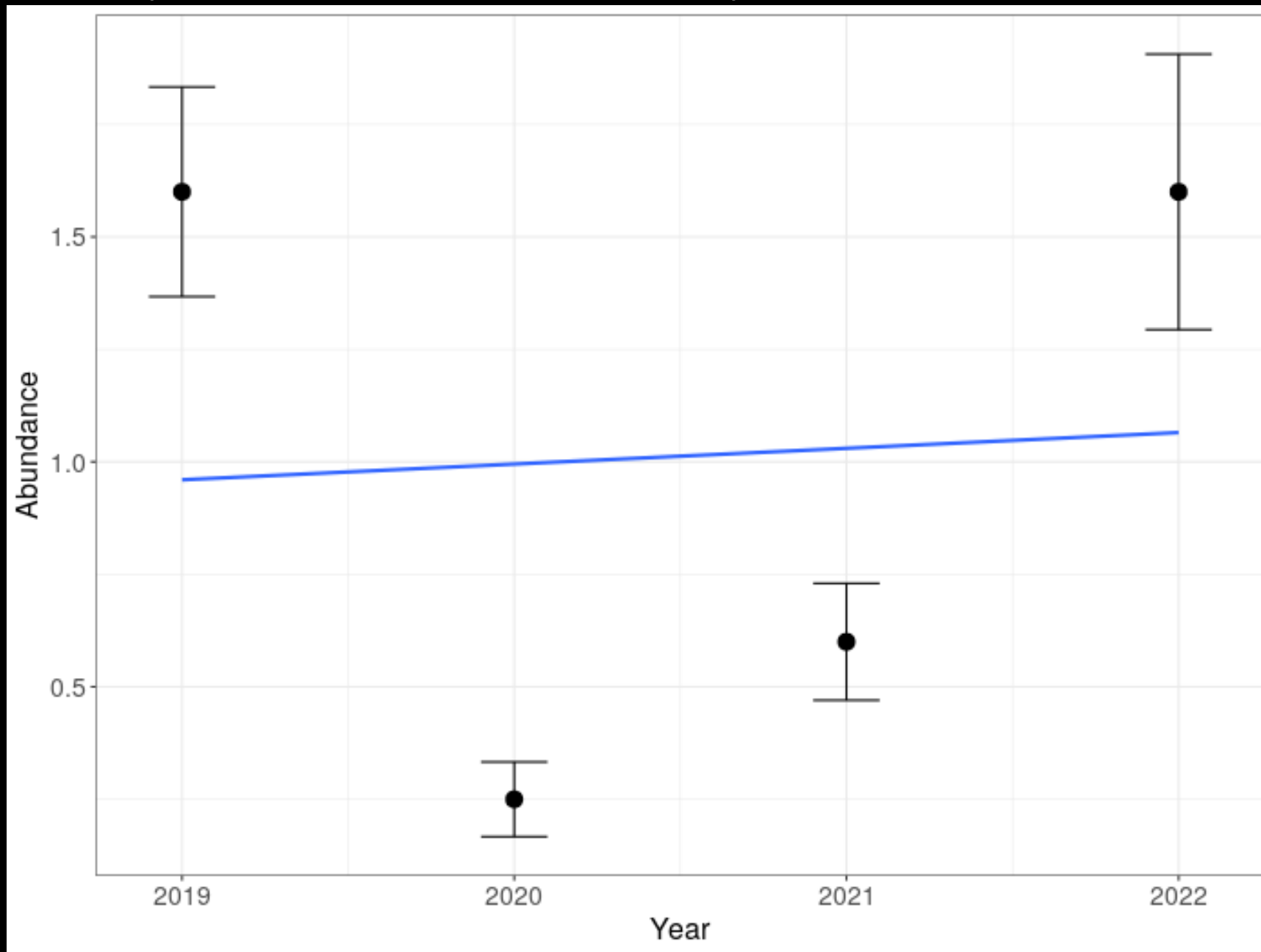
Diversity



Abundance (WEME BLUESTEM)



Abundance (WEME BLUESTEM)



Tracking Disturbance

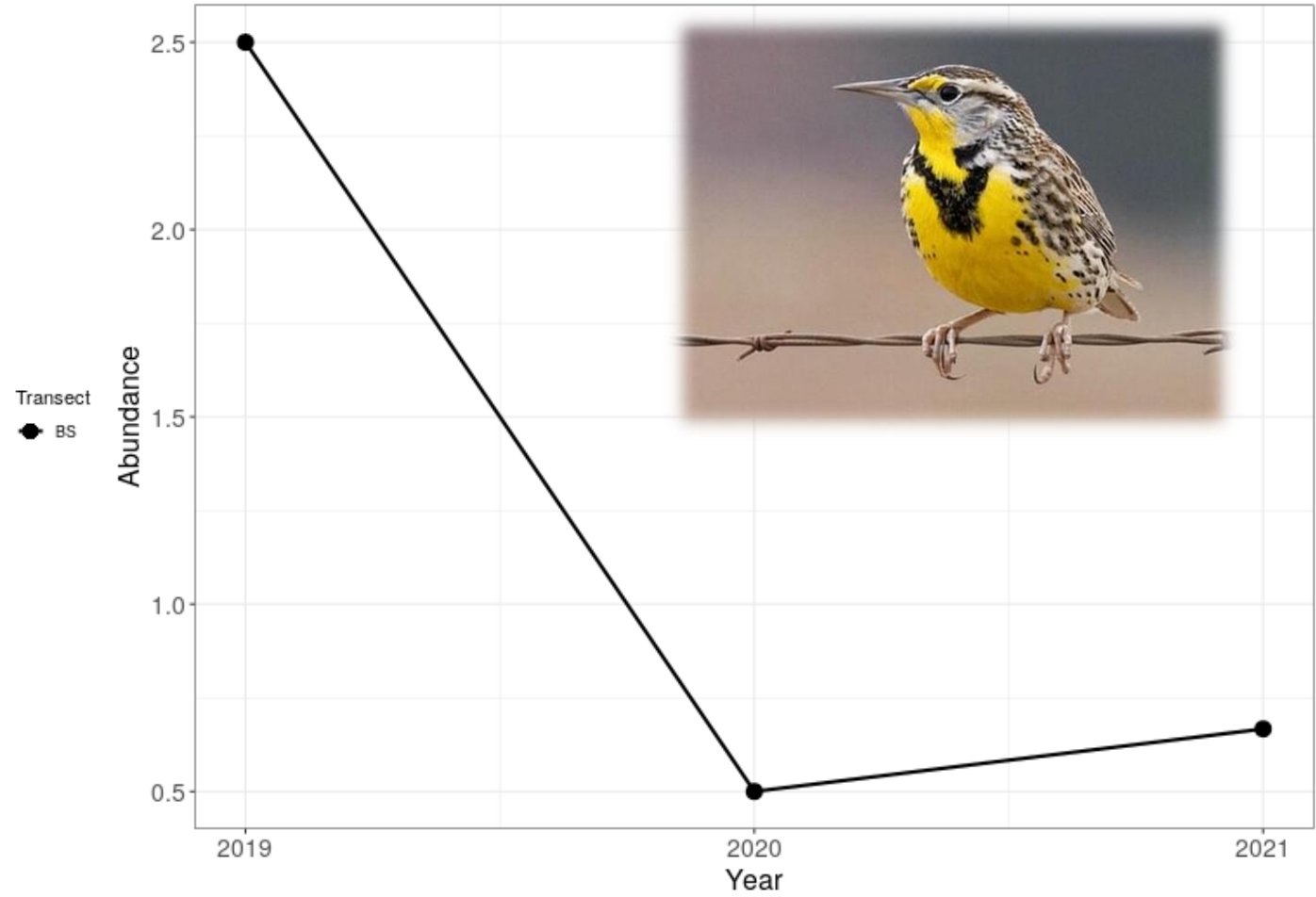
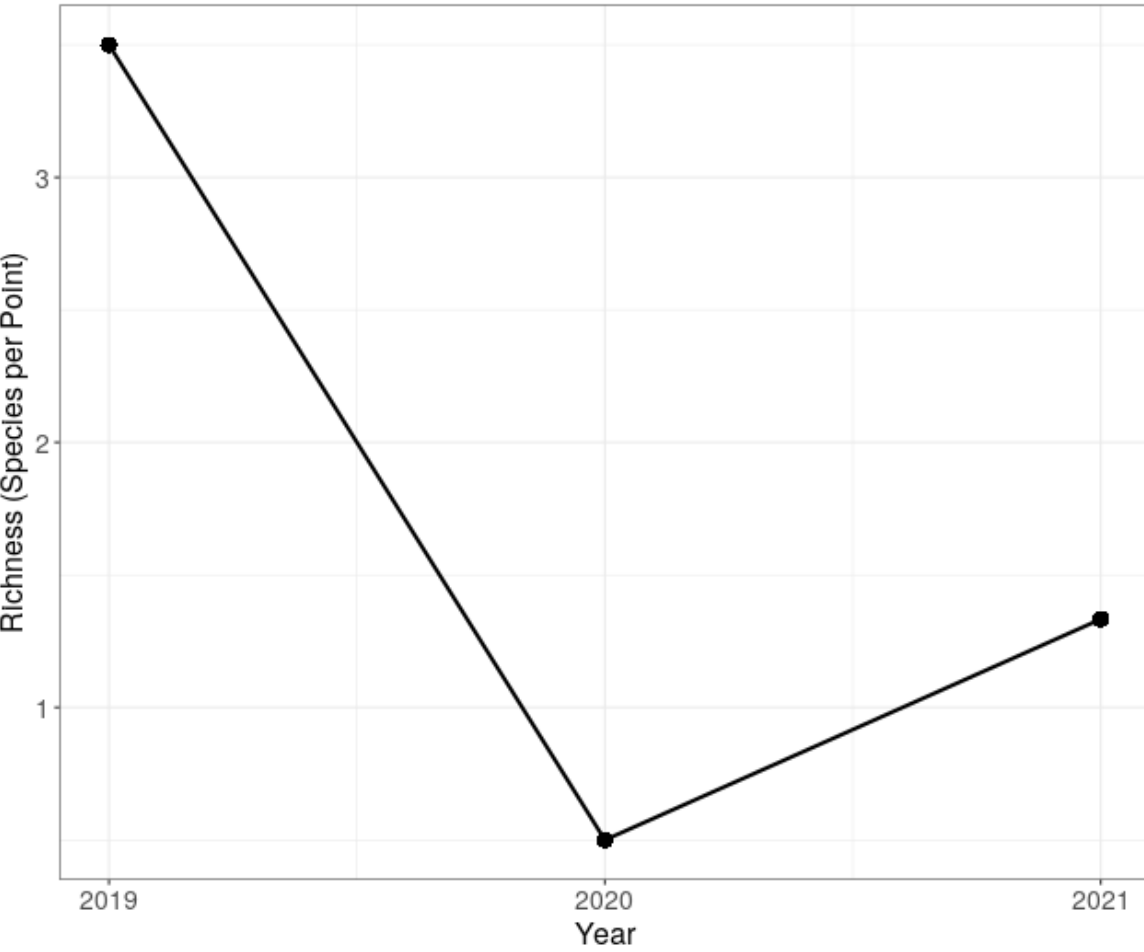
2019



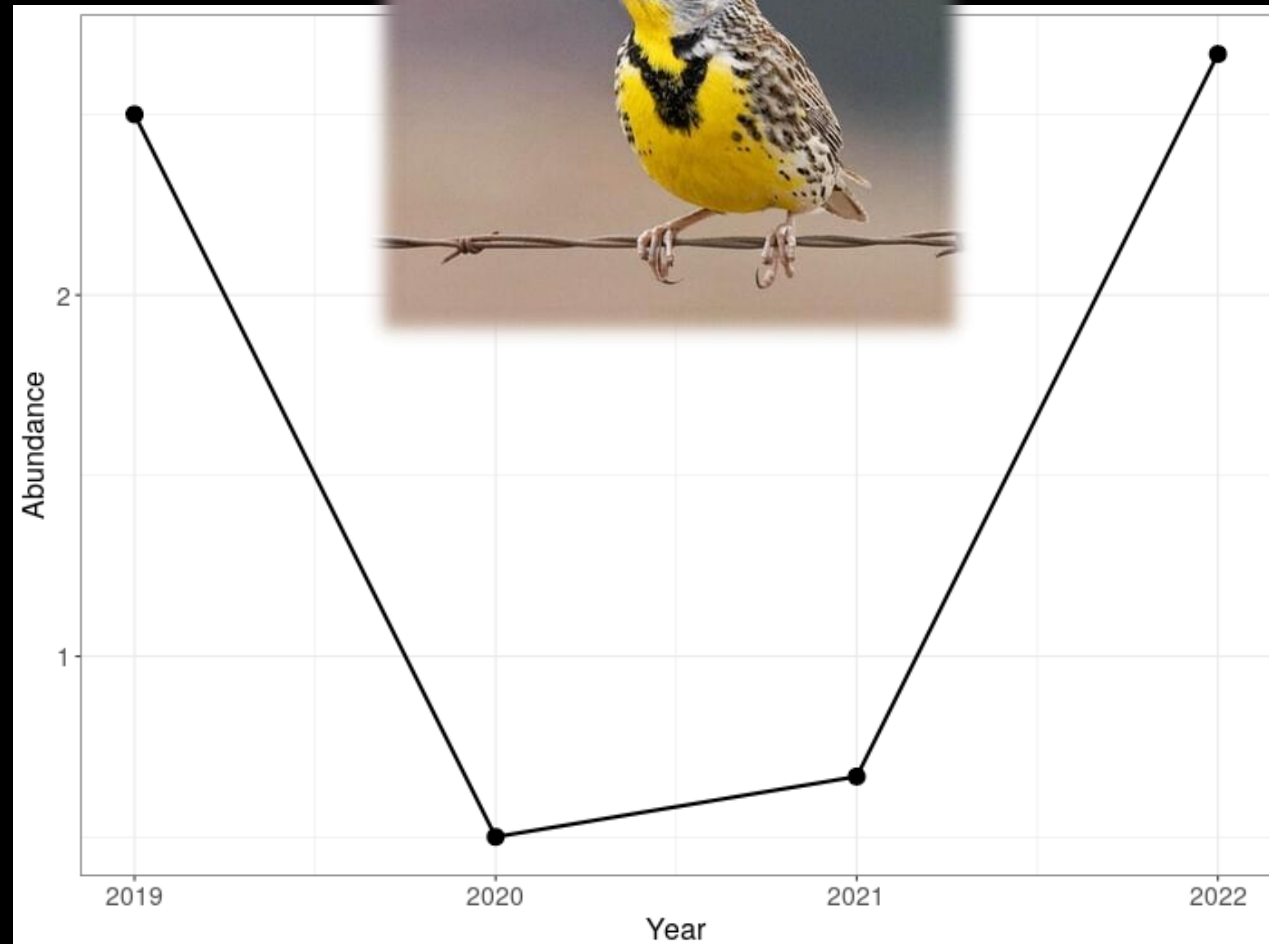
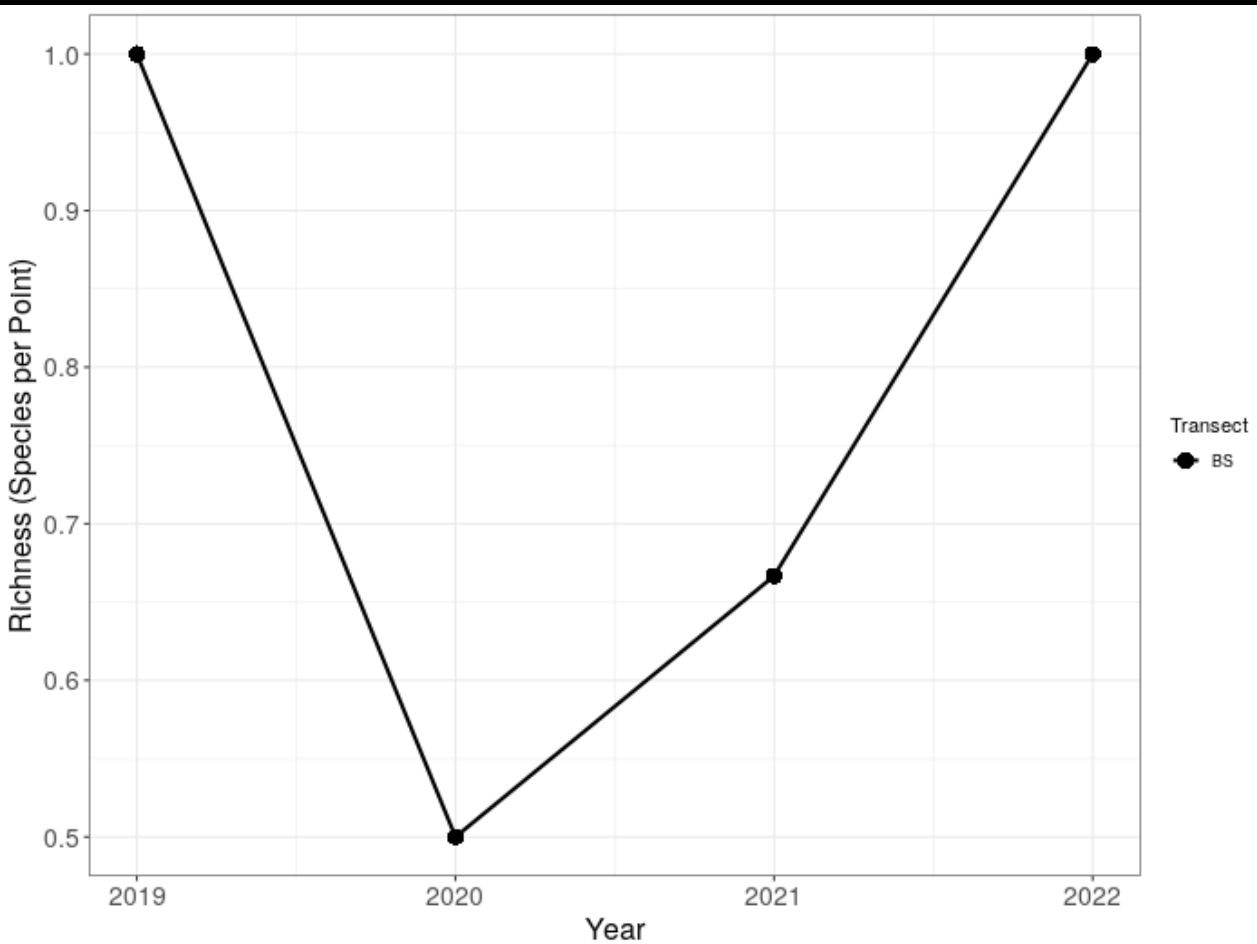
2020



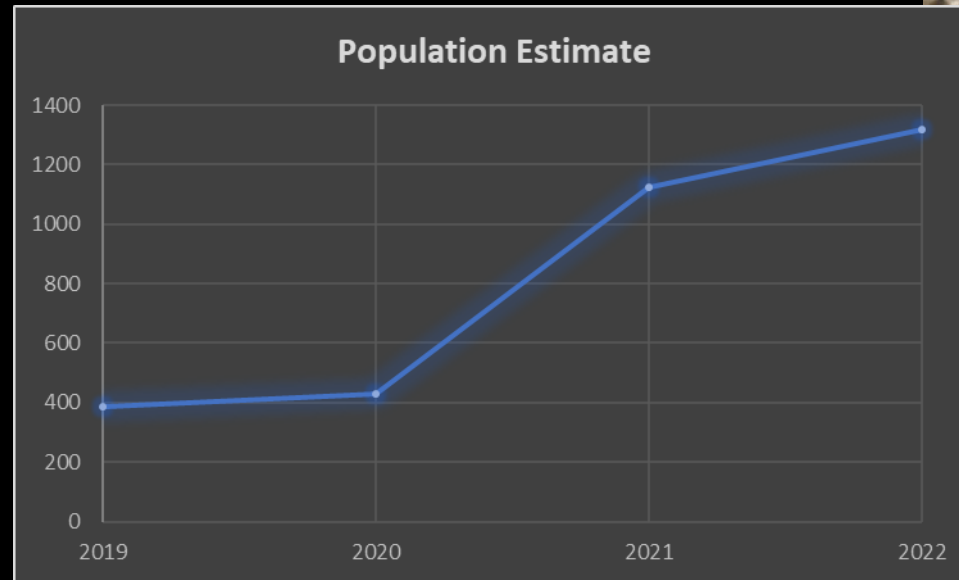
Tracking Disturbance (Bluestem Point 1)



Tracking Disturbance (Bluestem Point 1)



Prairie Dog Monitoring Update





Noxious Weed Management

- Class A : Must be eradicated.
- Class B: Contained or suppressed.
- Class C: Control is recommended.

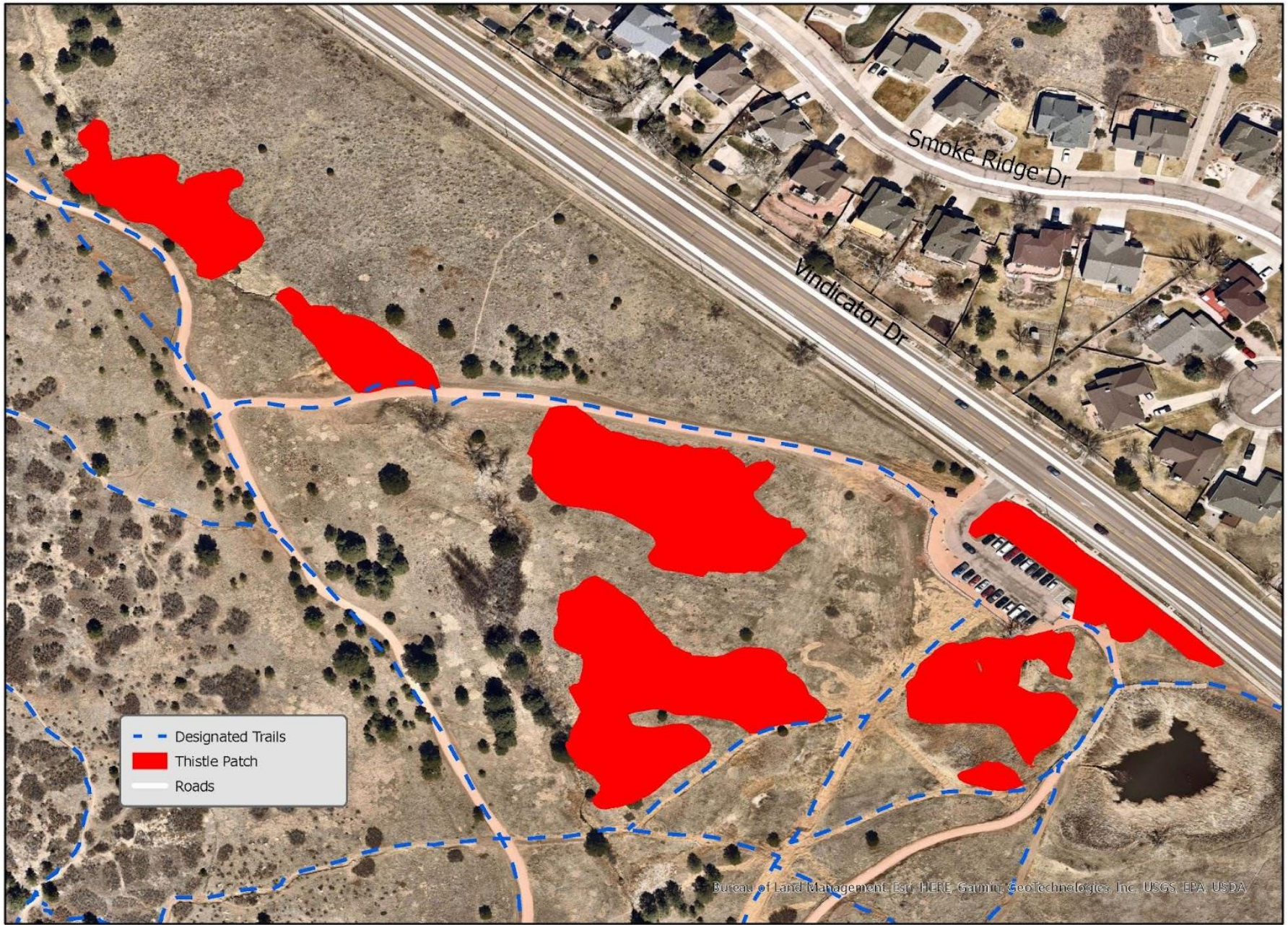


Noxious Weed Management

- Chemical
- Biological
- Mechanical

Noxious Weed Management Update

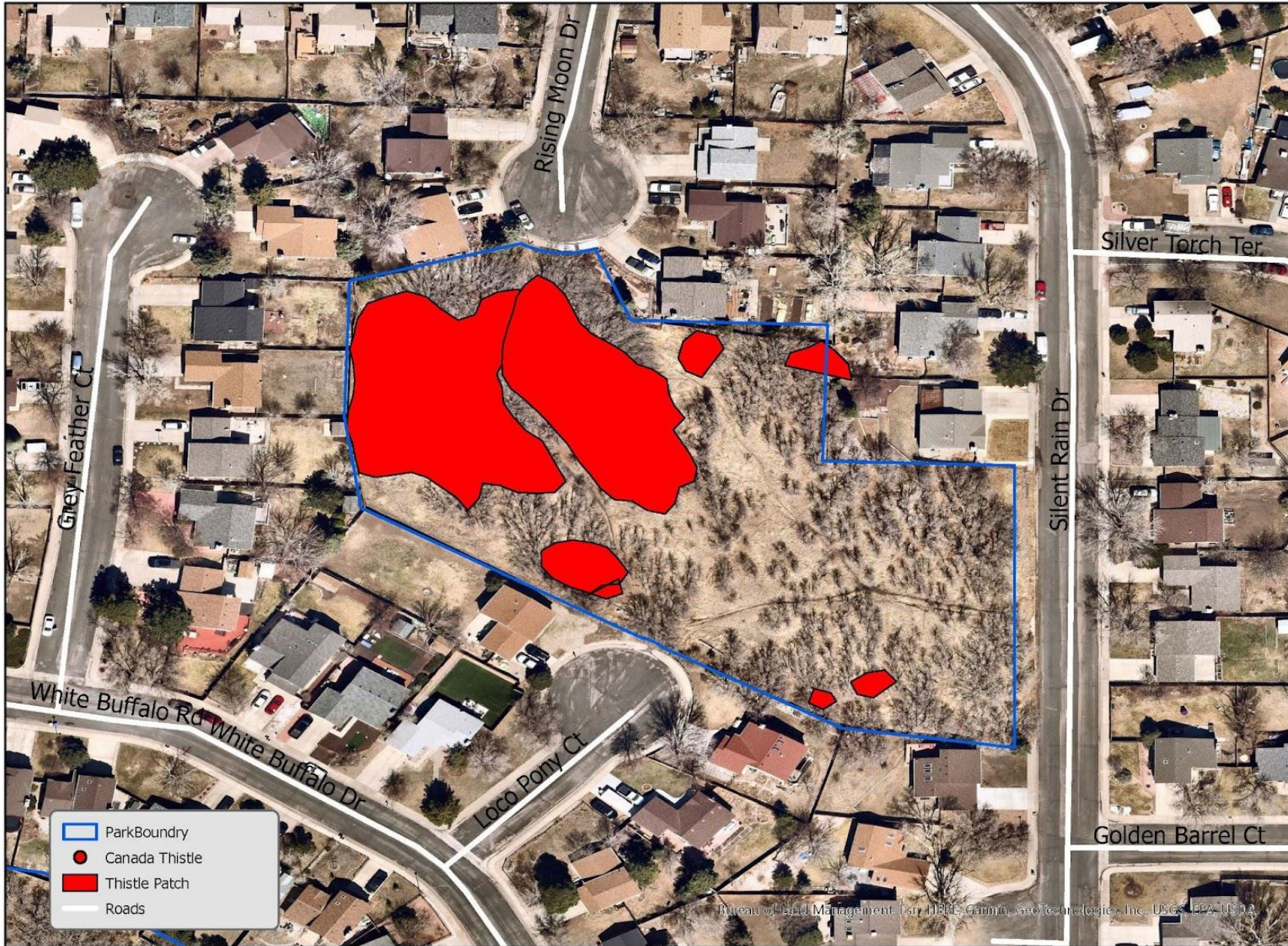
- Elm removal and spraying at Sondermann
- Native planting at Sondermann
- Weed mapping
 - Ute Valley
 - Silent Rain
 - Rockrimmon
 - Blodgett
- GOCO MHYC Grant
 - We got it!
 - Smith Creek Spraying
 - 33 acres of Canada Thistle
 - Preble's Habitat
 - Planting and resoration
- Biological Control (release/monitoring)
 - Sondermann
 - Red Rock
 - Bluestem
 - Corral Bluffs
 - Smith Creek
- Spraying (Timberline)
 - Ute Valley
 - Silent Rain
 - Rockrimmon
 - Blodgett



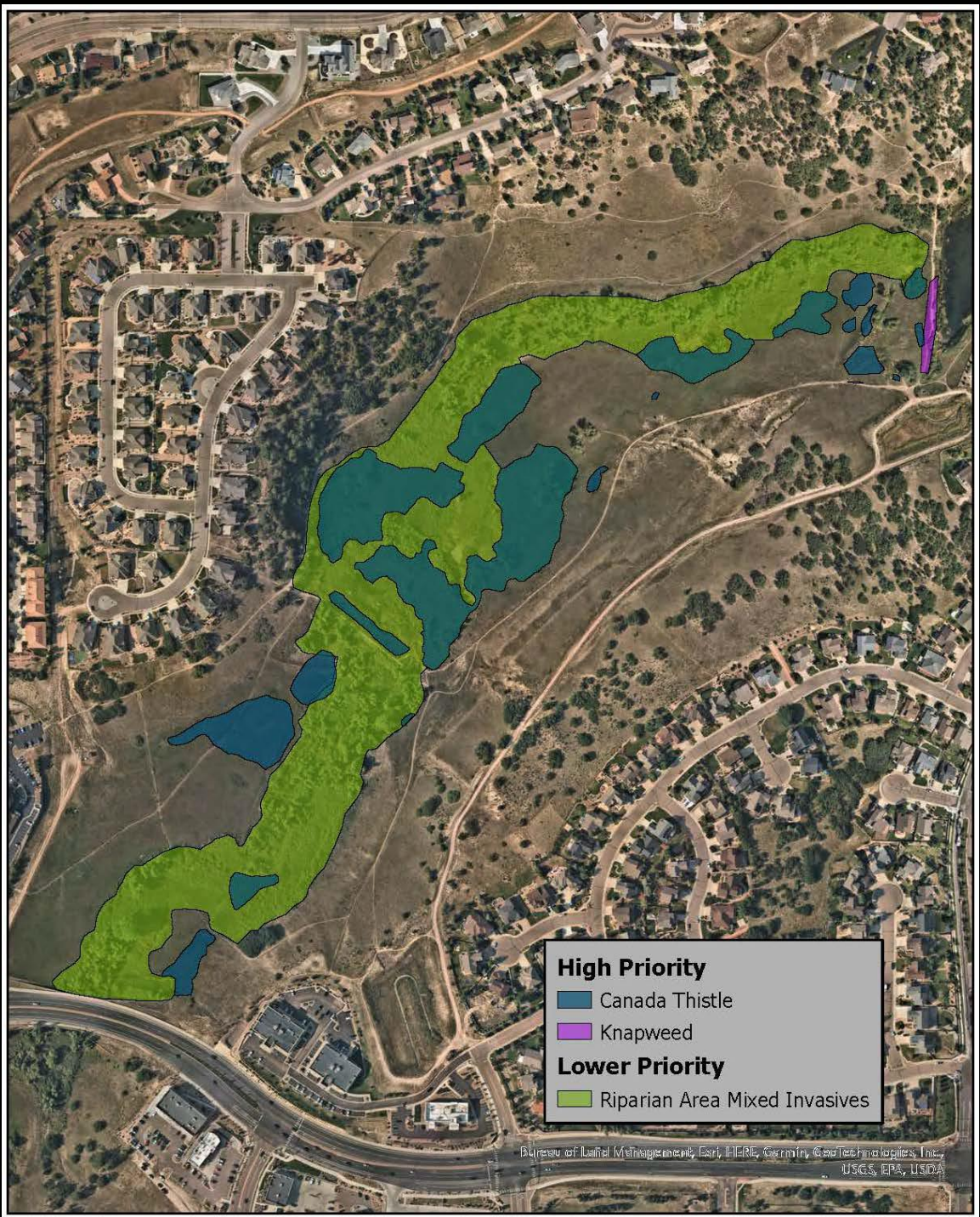
0 0.03 0.05 0.1 Miles



Ute Valley Park



Silent Rain Open Space



High Priority

- Canada Thistle
- Knapweed

Lower Priority

- Riparian Area Mixed Invasives

Akerman Fire Monitoring

- Survey to measure regrowth rate and composition of plants after fire.
- 80 surveys
- Some plots seeded others not.



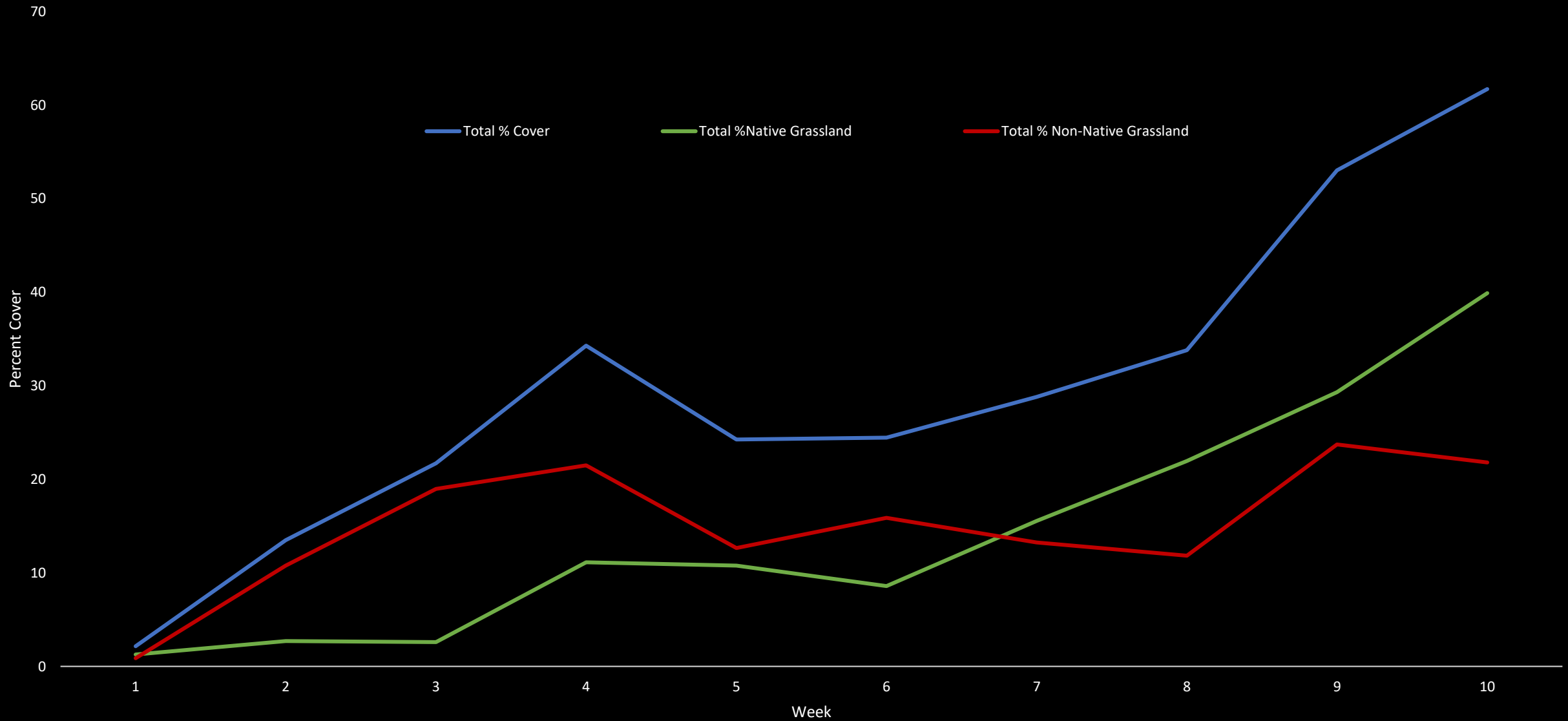
Akerman Fire Monitoring





Akerman Fire Monitoring

Average Cover for All Plots



Natural Resource Monitoring

- Encroachments
- Trail Monitoring
- Map Making
- Natural Resource Assessments
- GIS Data Management
- Property Binders



Natural Resource Monitoring Update

- Rapid Assessment Protocol
 - Survey 123
 - Native/Invasive
 - Wildlife habitat
 - Disturbance
 - Usage
 - Problem Areas
- Snapshot of the park
- Track changes over time
- Attention to rarely visited properties

8:19

Annual Site Assessment

Park Name *

Date *

Route *

Invasive Plants *

Rate the threat level of invasive weeds.

Green Yellow Orange Red Black

Native Plants *

Rate the density of native plants.

Low Medium High

Wildlife Habitat *

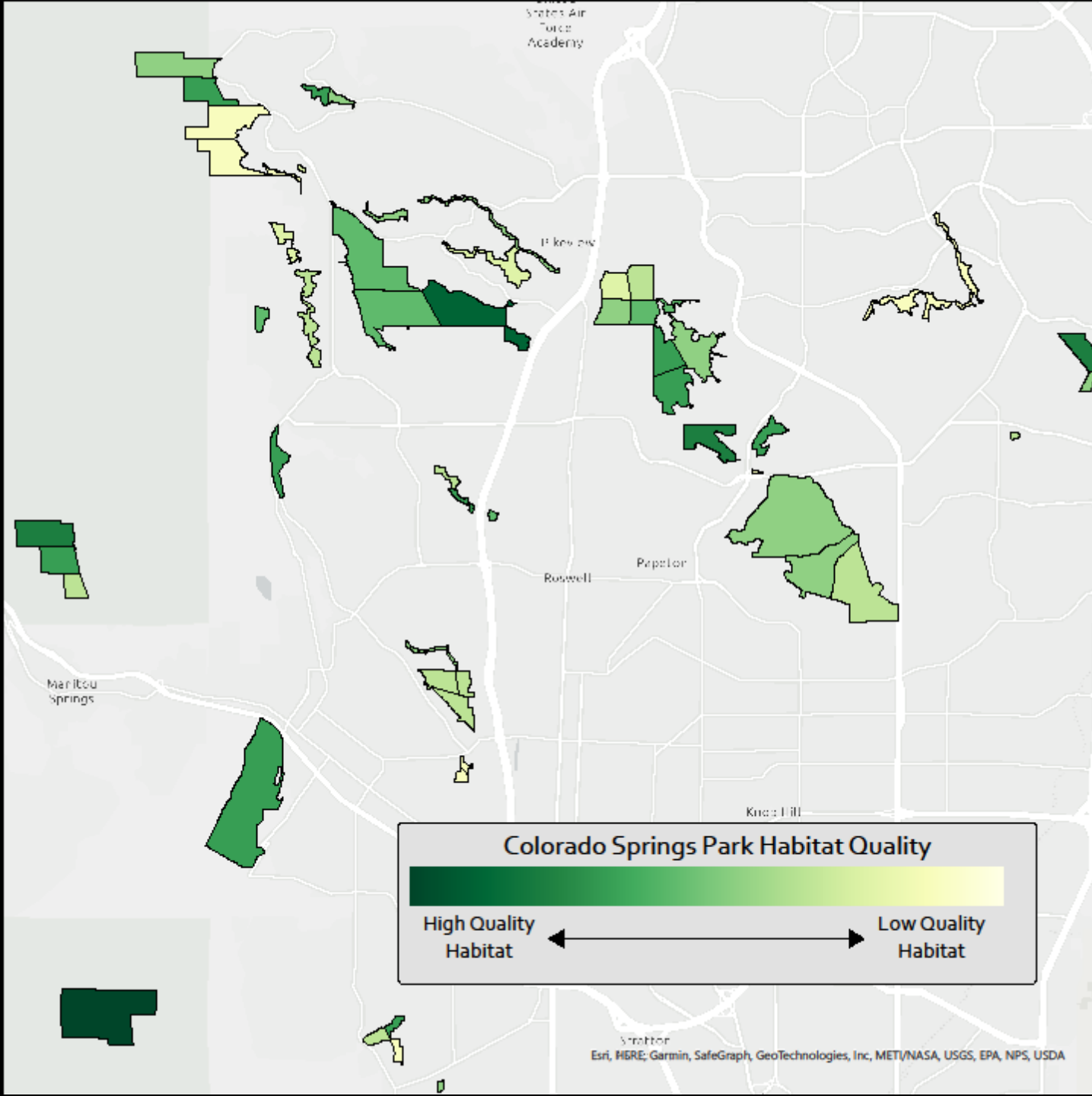
Rate the quality of wildlife habitat.

1 2 3 4 5

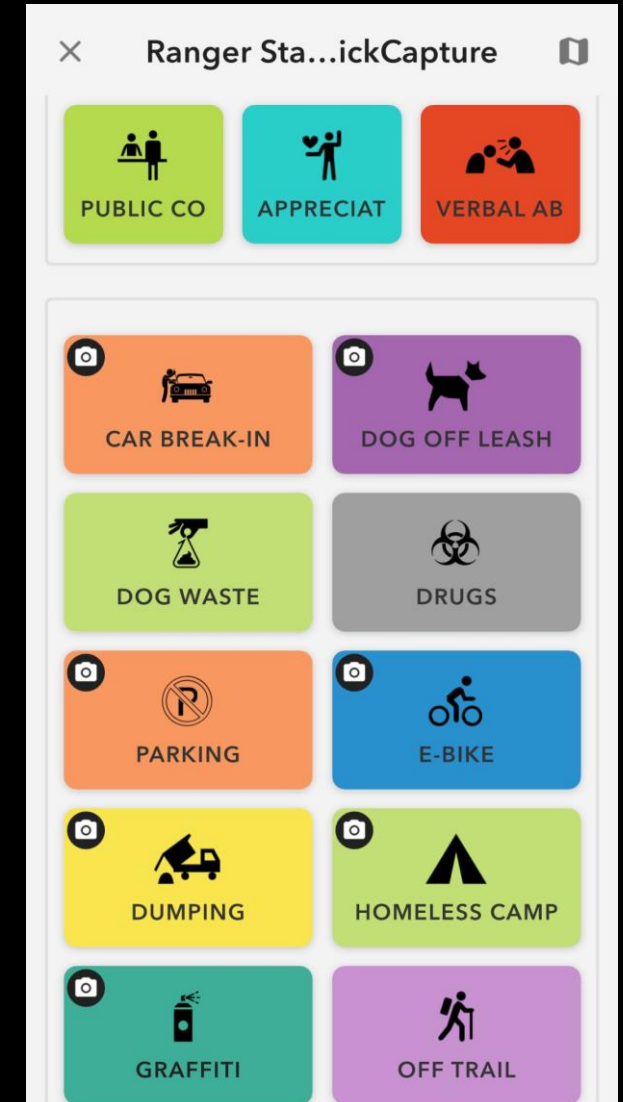
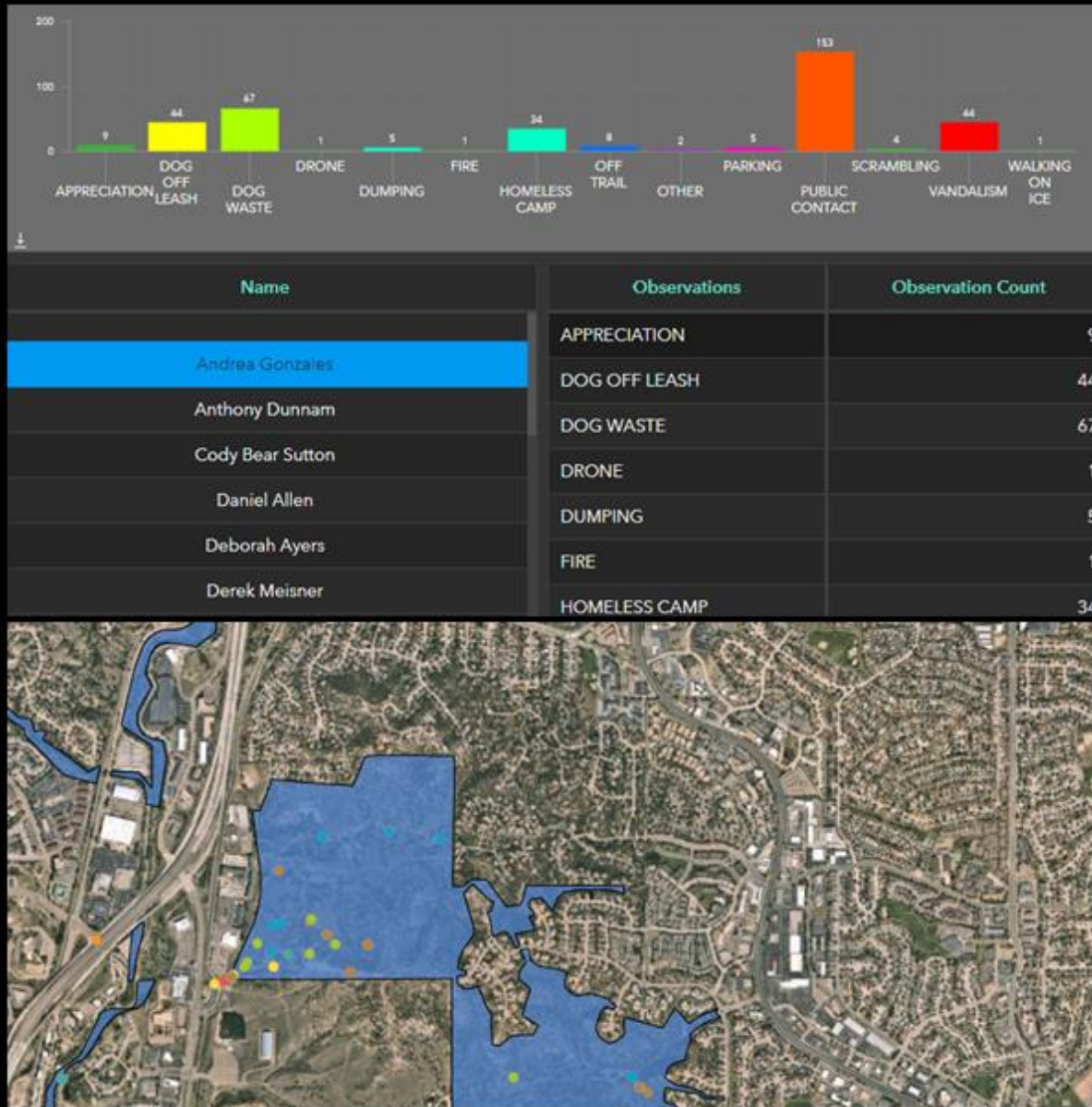
Disturbance *

Rate the level of disturbance.

✓



ArcGIS Online (AGOL) Transition



ArcGIS Online (AGOL) Transition

Cancel Collect Submit

Rogue Trail Mapping

Take Photo Attach

Date
No Value

Property
No value

Level of Development
No value

Closure Priority
No value

Notes

Username



ArcGIS Online (AGOL) Transition

Trail Work

Park Name: Austin Bluffs

Steps Constructed

Point Line Polygon

Tread Paved

Point Line Polygon

Drainage Structures Built

Point Line Polygon

Culverts Installed

Point Line Polygon

Invasive Plant Monitoring

Knapweed Bull Thistle

Common Teasel Hoary Cress

Dalmation Toadflax Yellow Toadflax

Russian Olive Musk Thistle

Mullein

Uncommon Invasive Plants

Capture Polygon

Photo+Plant Name

Photo+Note

Birds Nests

Location *

Species Code *

Nest Location *

Tree

Rock

Structure

Ground

Nest Type *

Built

Cavity

Ground

Nest Stage *

Constructing

Incubating

Nestling

THANK YOU



parks · recreation · cultural services

