



2021 Least Tern & Piping Plover Predator Update

Kaley Keldsen
Predator Research Lead

2019+ Nest Predator Camera Monitoring

- Identify cause of nest & brood failures
- Identify predators present at nests



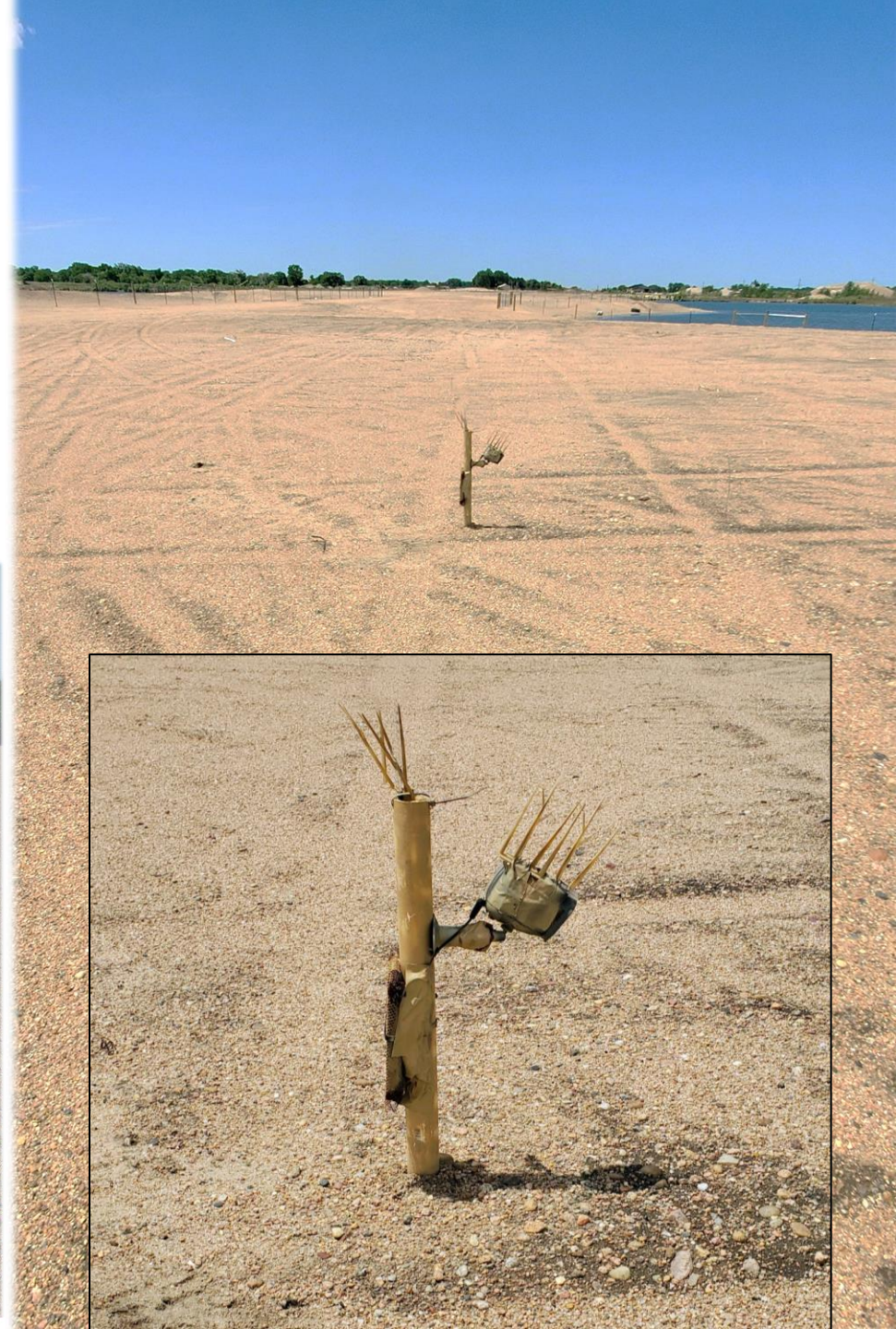
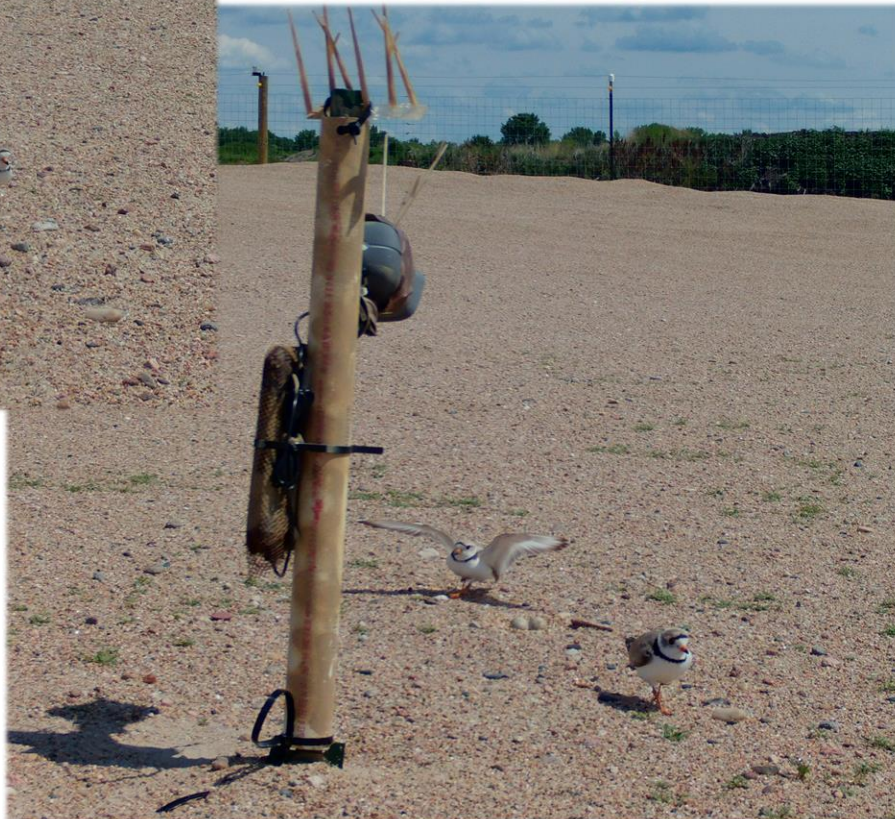
2019-2020 Predator Registers at Nests

- 2019 → Pilot year
- 2020 → Monitored 46 nests at 4 sites = 46 registers & 3 predation events
- 2020 Taught us:
 - GH Owl and Blue Herons = most common
 - Avian registers > mammalian registers (37 vs 9)
 - Camera presence did not influence nest success

| 2020 Nests | # Nests | Successful | Failed |
|-------------------------------|---------|-------------|-------------|
| Total Outside Nests Monitored | 78* | 55 (71%) | 23 (29%) |
| Total Nests with Cameras | 46 | 36 (78%) | 10 (22%) |

**59% of the total nests monitored had nest cameras*

2021 Nest Predator Research



2021 Nest Registers & Predations

New chicks/fully developed eggs



2021 Nest Registers & Predations



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2021 Nest Registers & Predations



2021 Initial Interpretations



- ✓ Both are easy to install
- ✓ No avoidance from PIPLs
- ✓ Likely capture most predation events based on outside observer data and camera data matching up



2021 Additional Predator Research

Track Surveys

Shoreline Cameras



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Site Level Cameras

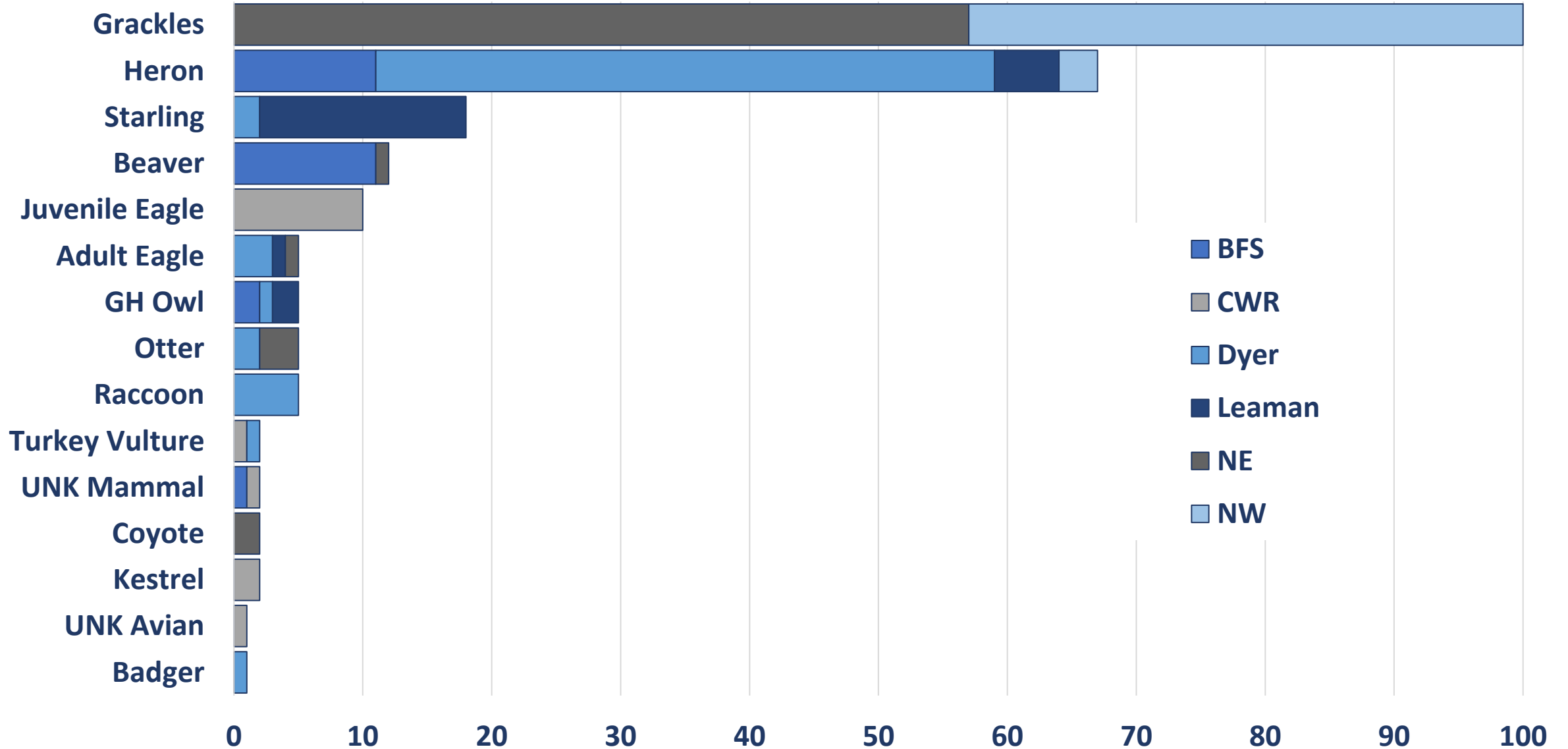


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2021 Shoreline & Site Level Potential Predator Registers



Questions?

