UNL/NGPC Platte River Pallid Sturgeon 2024 Research Update

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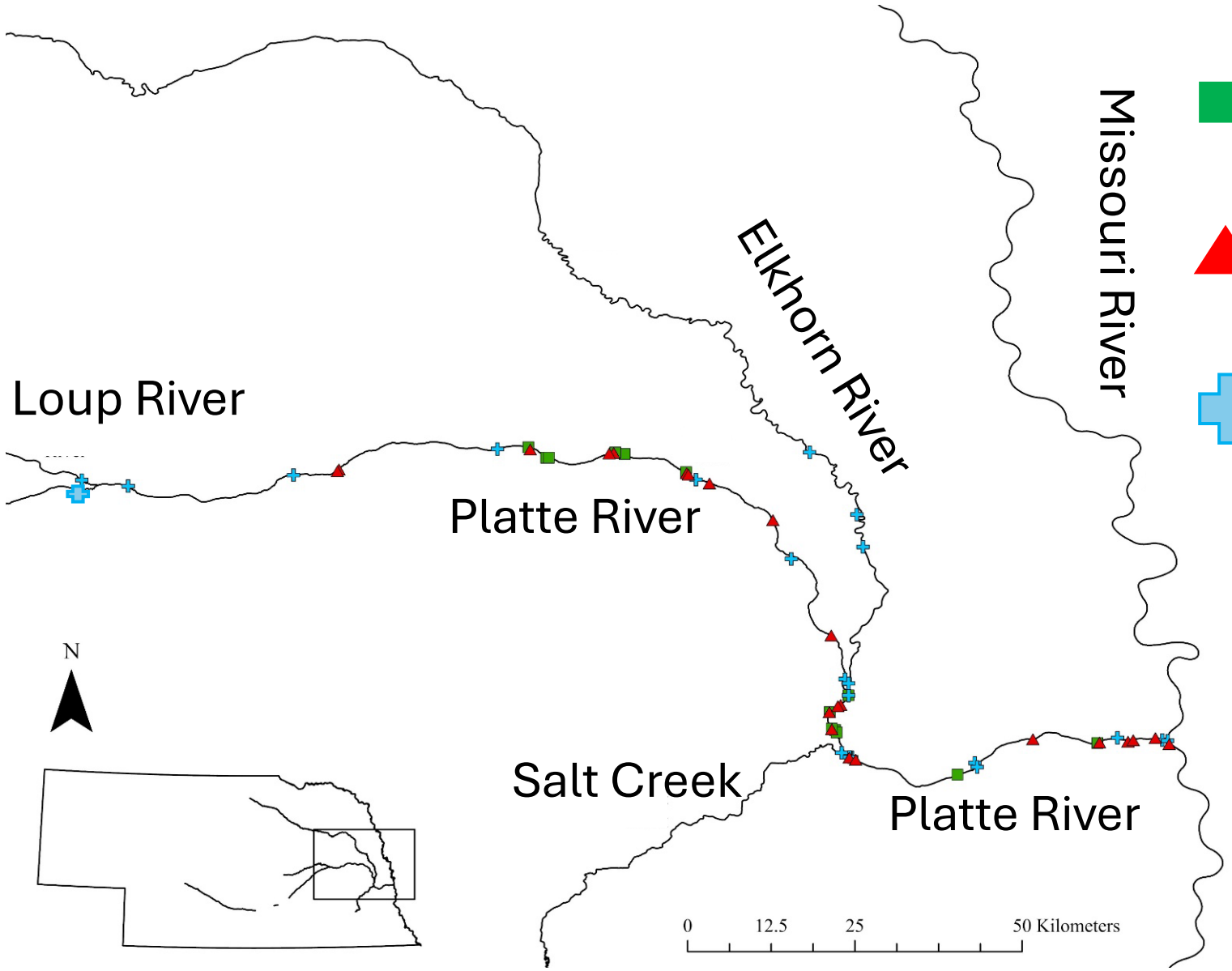
Platte River Recovery Implementation Program

SCHOOL OF NATURAL RESOURCES

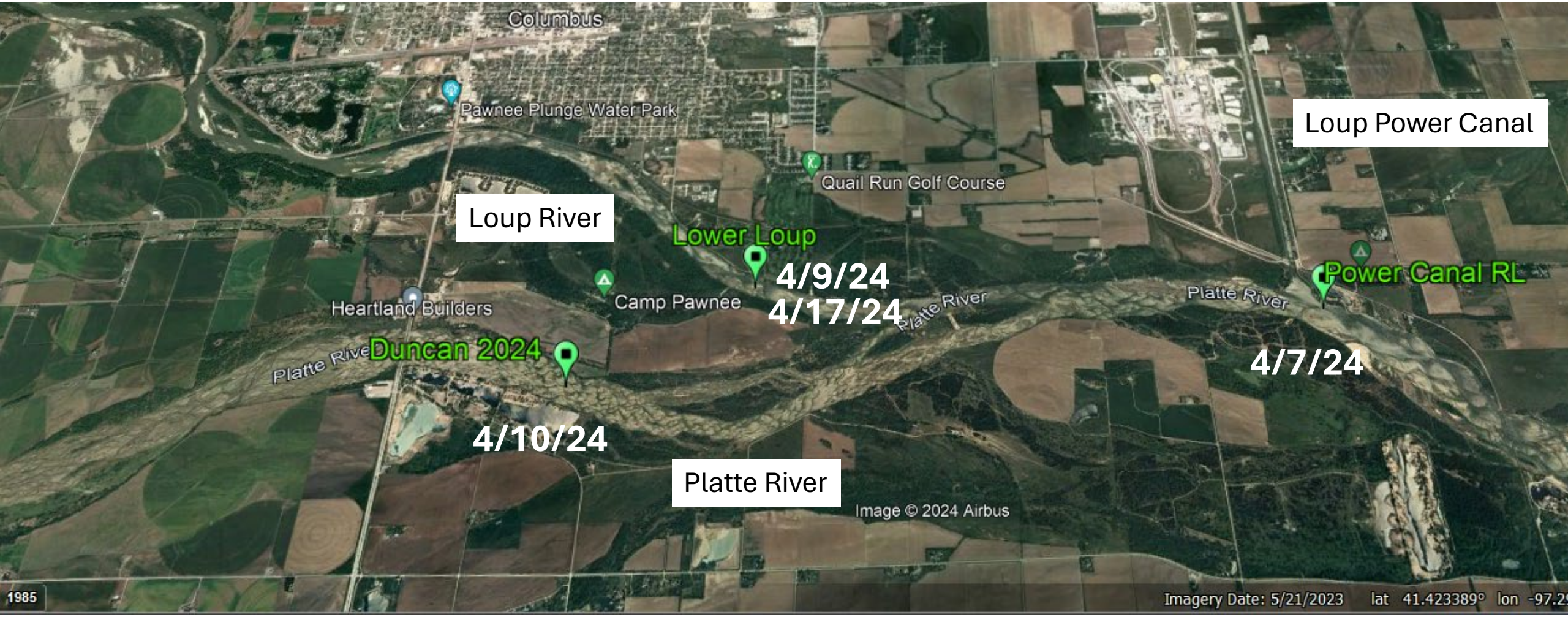
NEBRASKA GAME PARKS

Detections and Captures for Spring 2024 (April)



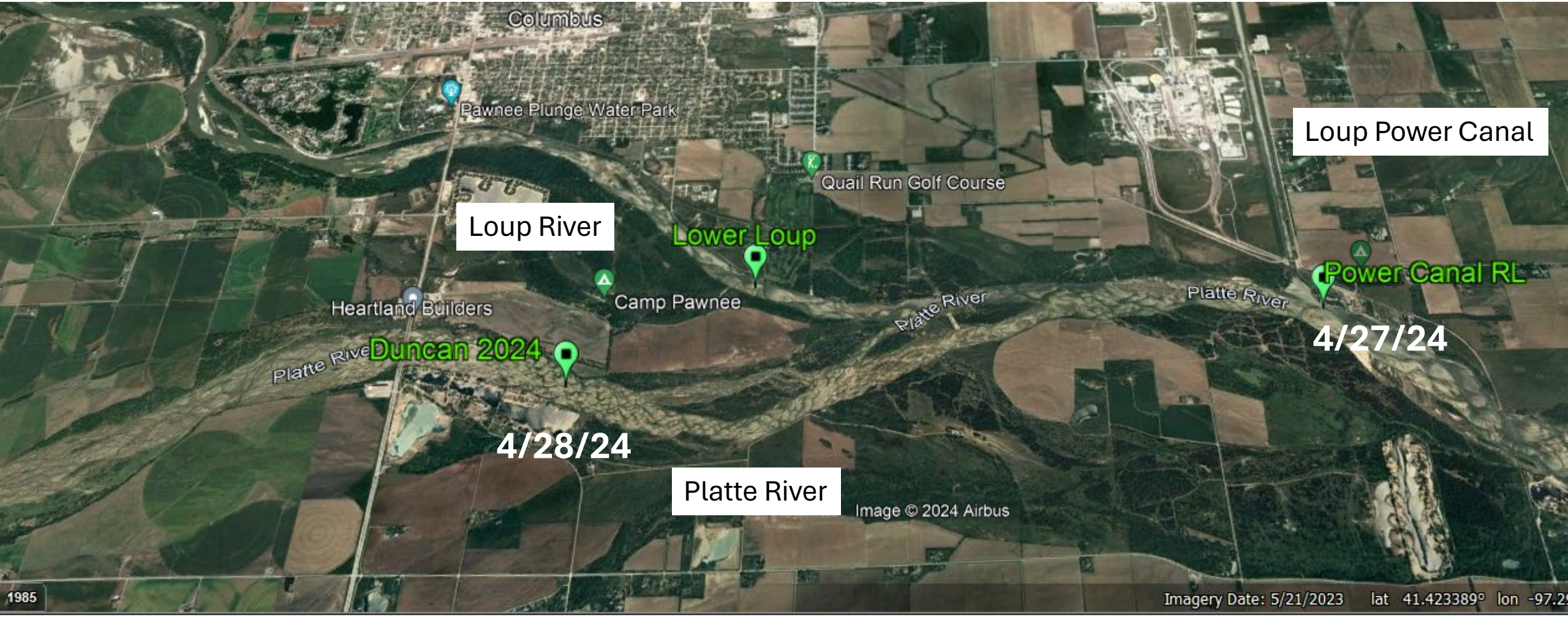
- Capture
  - 9 new implants
- Active detections
  - 19 unique Pallid Sturgeon
- Passive detections
  - 22 unique Pallid Sturgeon
  - 2 Pallids detected on Platte River receiver upstream of the Loup

Pallid Detections upstream of Loup on central Platte River



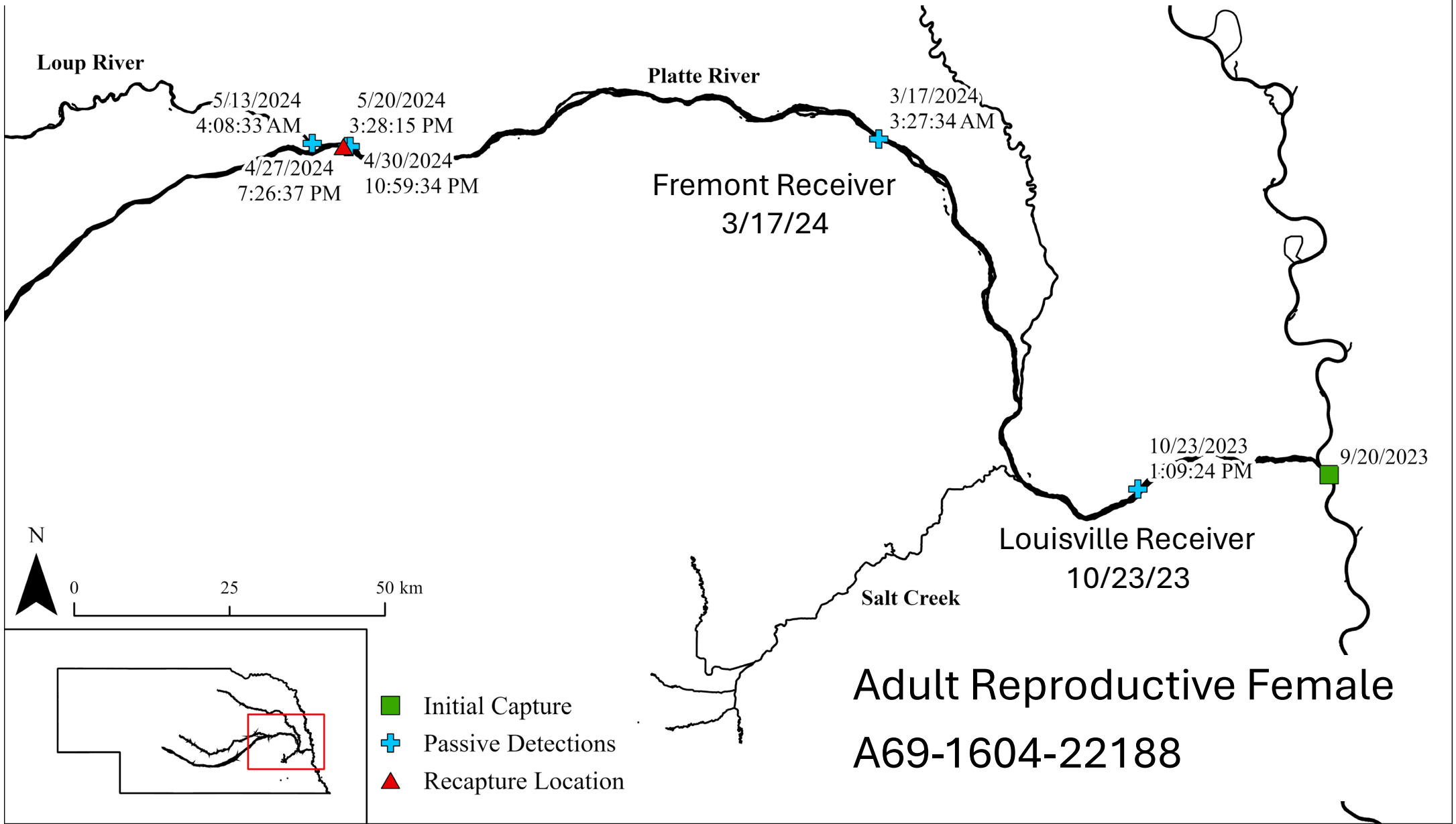
- A69-9001-54336 – adult female, spawned in 2023

Pallid Detections upstream of Loup on central Platte River

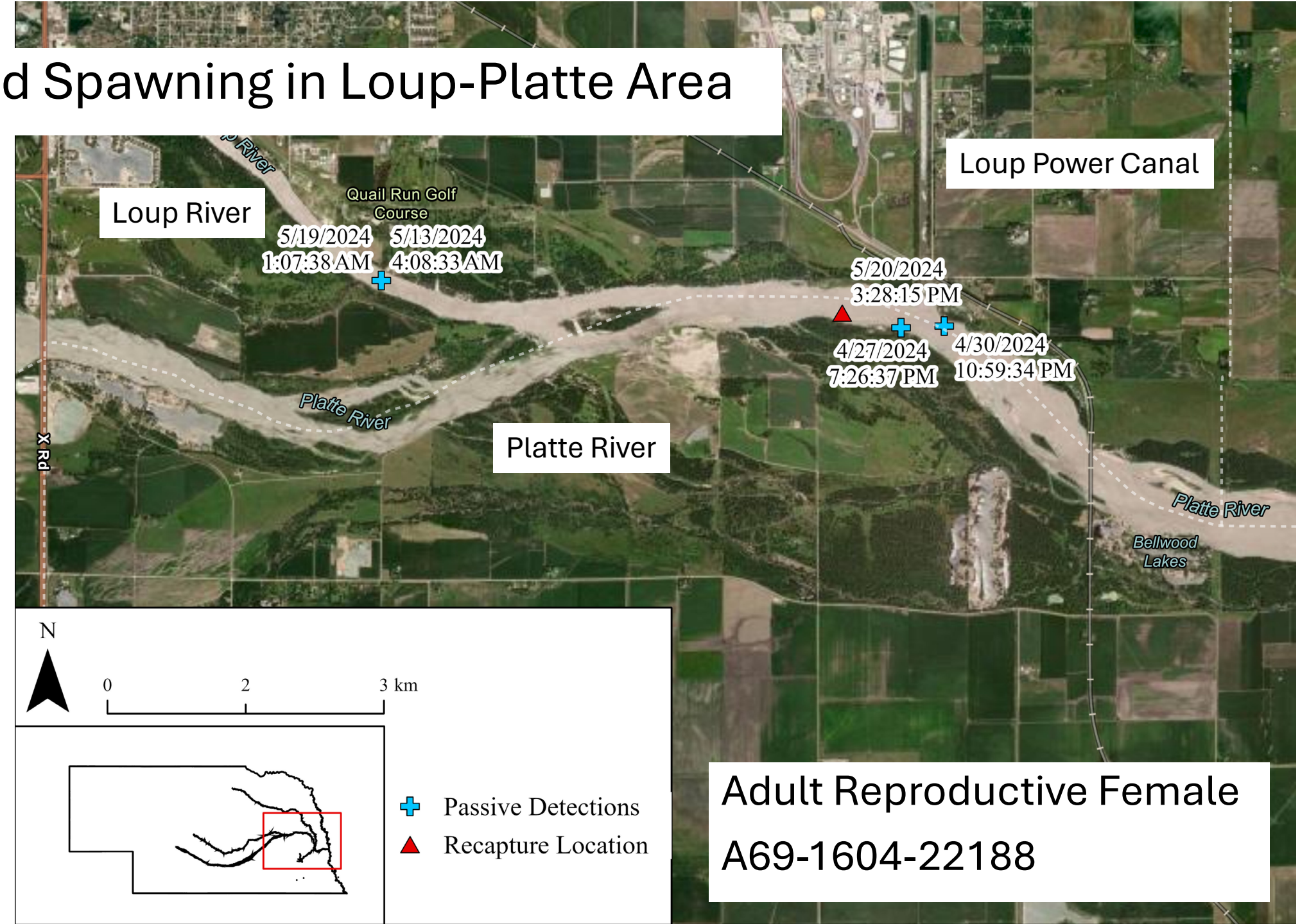


- A69-1604-65040 – stage 3, non-reproductive female

Pallid Spawning 2024



Pallid Spawning in Loup-Platte Area



Adult Reproductive Female

A69-1604-22188

Pallid Spawning

Adult Reproductive Female

A69-1604-30379

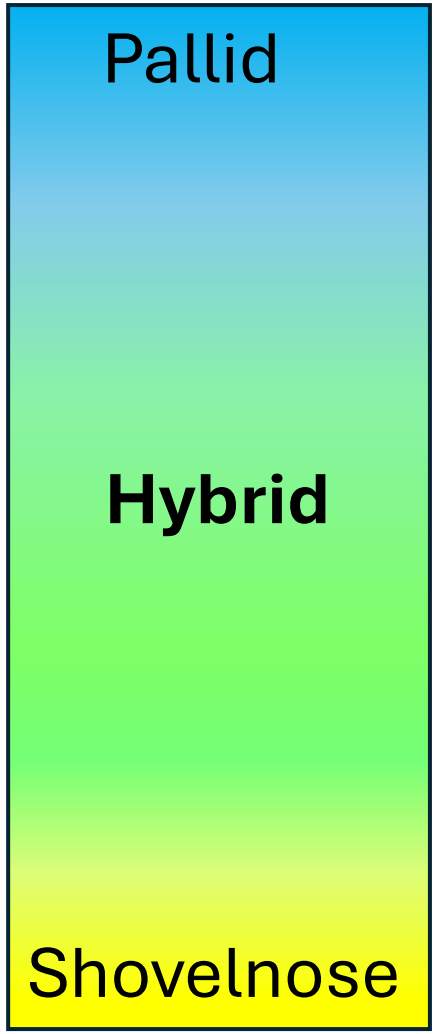
QUESTIONS?

SIU Genetics Research

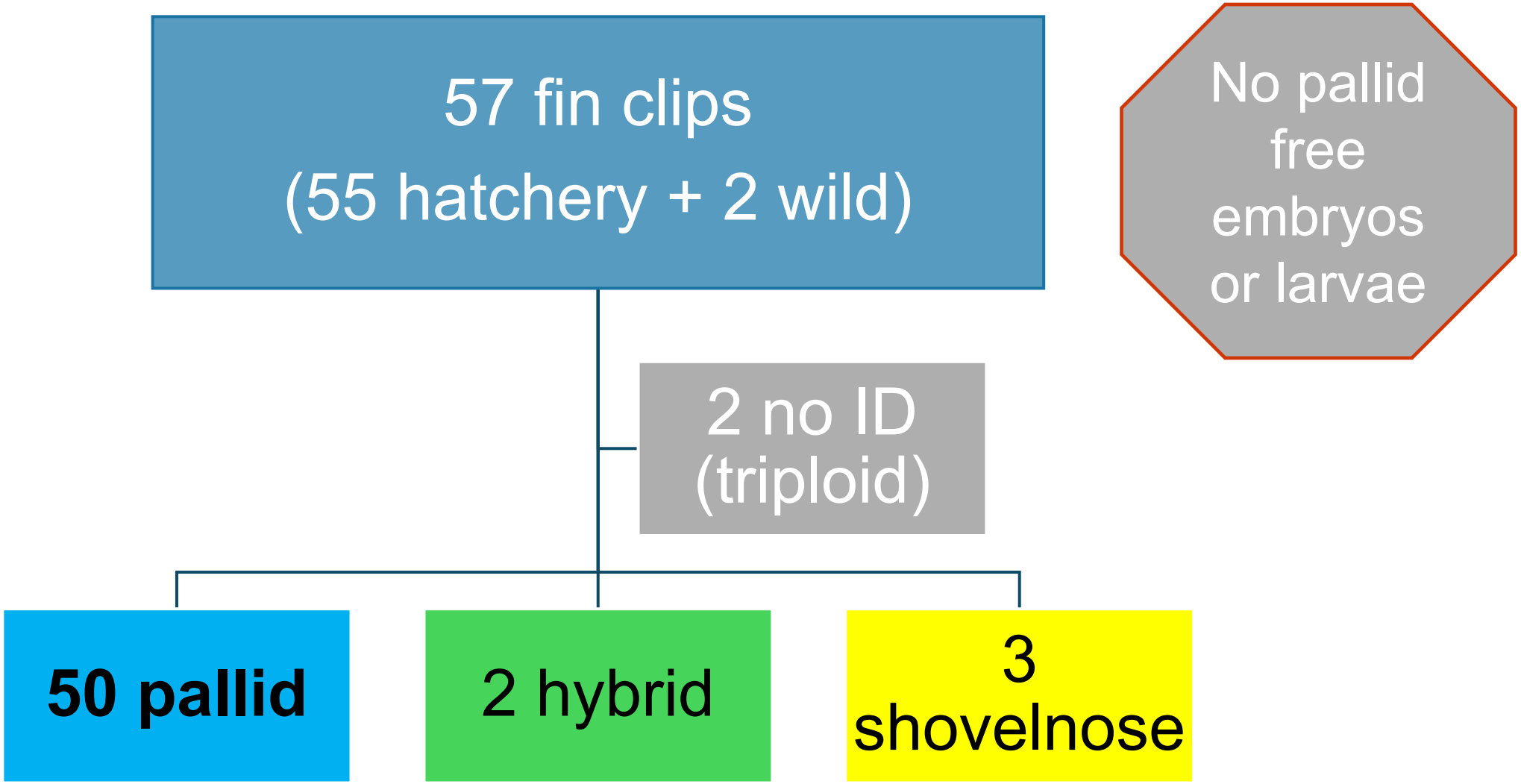
Ed Heist and Junman Huang (SIU)

**Correction from March GC*

- Hybridization problematic in the Mississippi River
  - Presented genetic results from 1992 year class – hatchery parents were hybrids from the Mississippi
- Less of a problem in the Missouri River
  - Broodstock producing hatchery origin fish caught in the Platte were from the Missouri



Platte samples 2022-2023



*16 new 2024 fin clips for analysis next week

QUESTIONS?