Little Colorado River Fish Monitoring in the Lower 1,200 meters

1987-2012

CRABS Meeting
1-10-2012

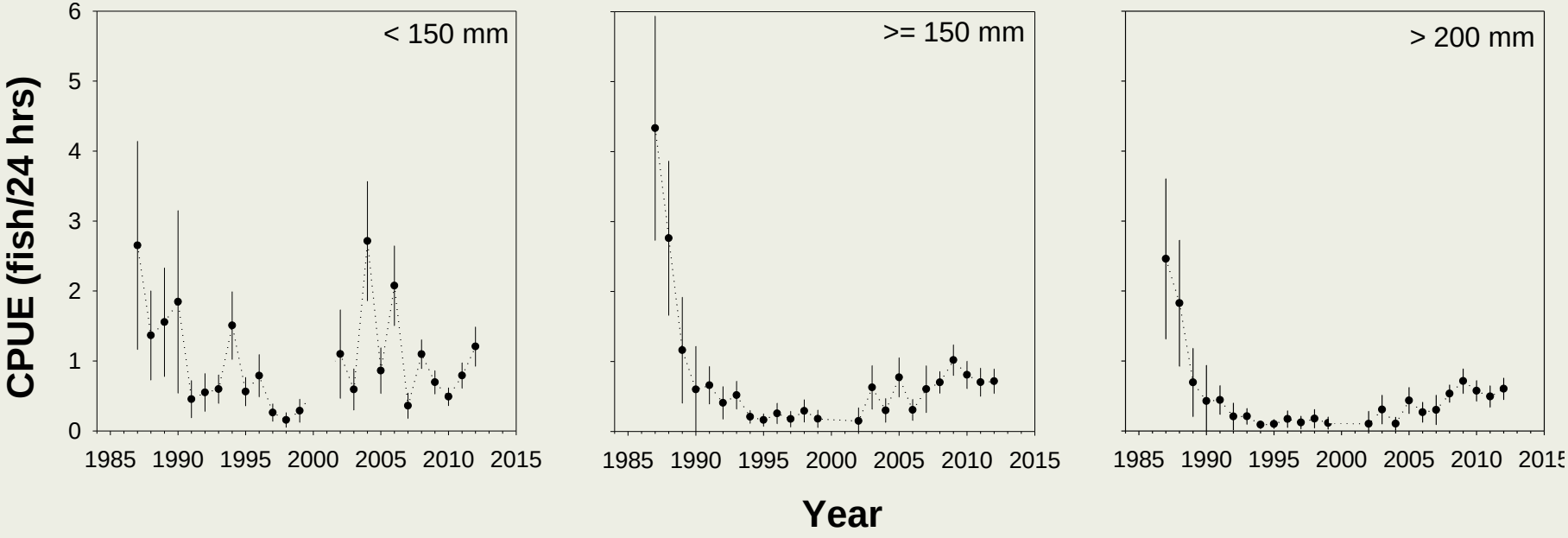
USGS
science for a changing world

Methods: Field sampling

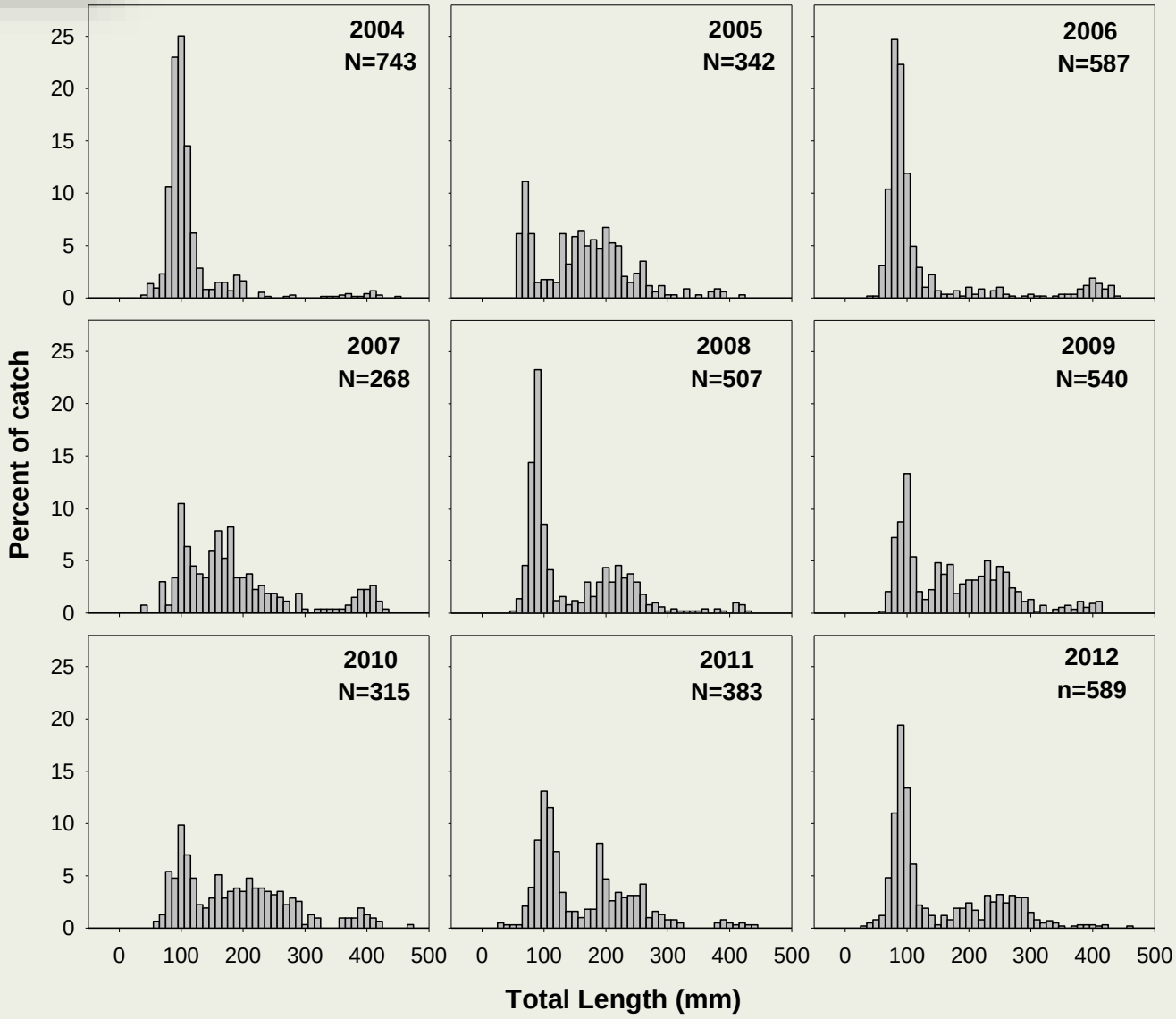
- 13 standardized hoop nets are fished for 20-30 days each spring (~24hr sets).
- Hoop nets placed at fixed site locations in varying habitats
- Data attained: Species ID, TL (all species) & FL (natives only; mm), and tag returns (i.e., Floy, PIT, VIE, and/or fin-clips)

Temporal Trends

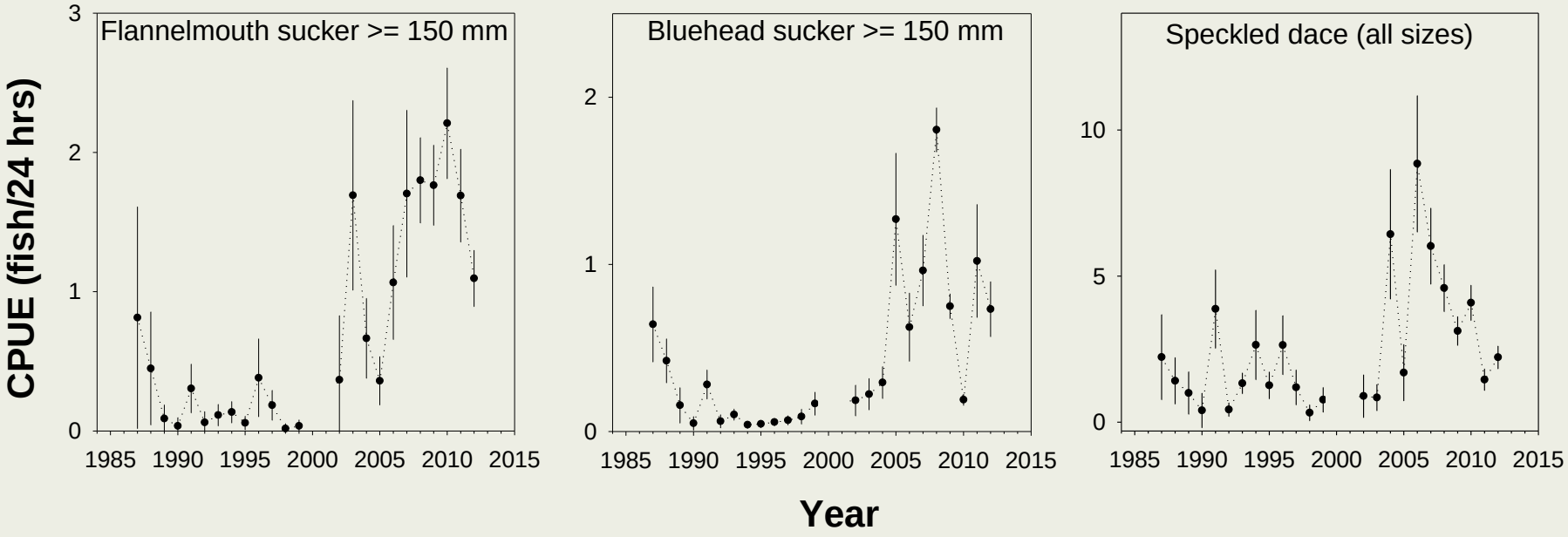
Humpback chub



Length-Frequency



Temporal Trends



Questions?

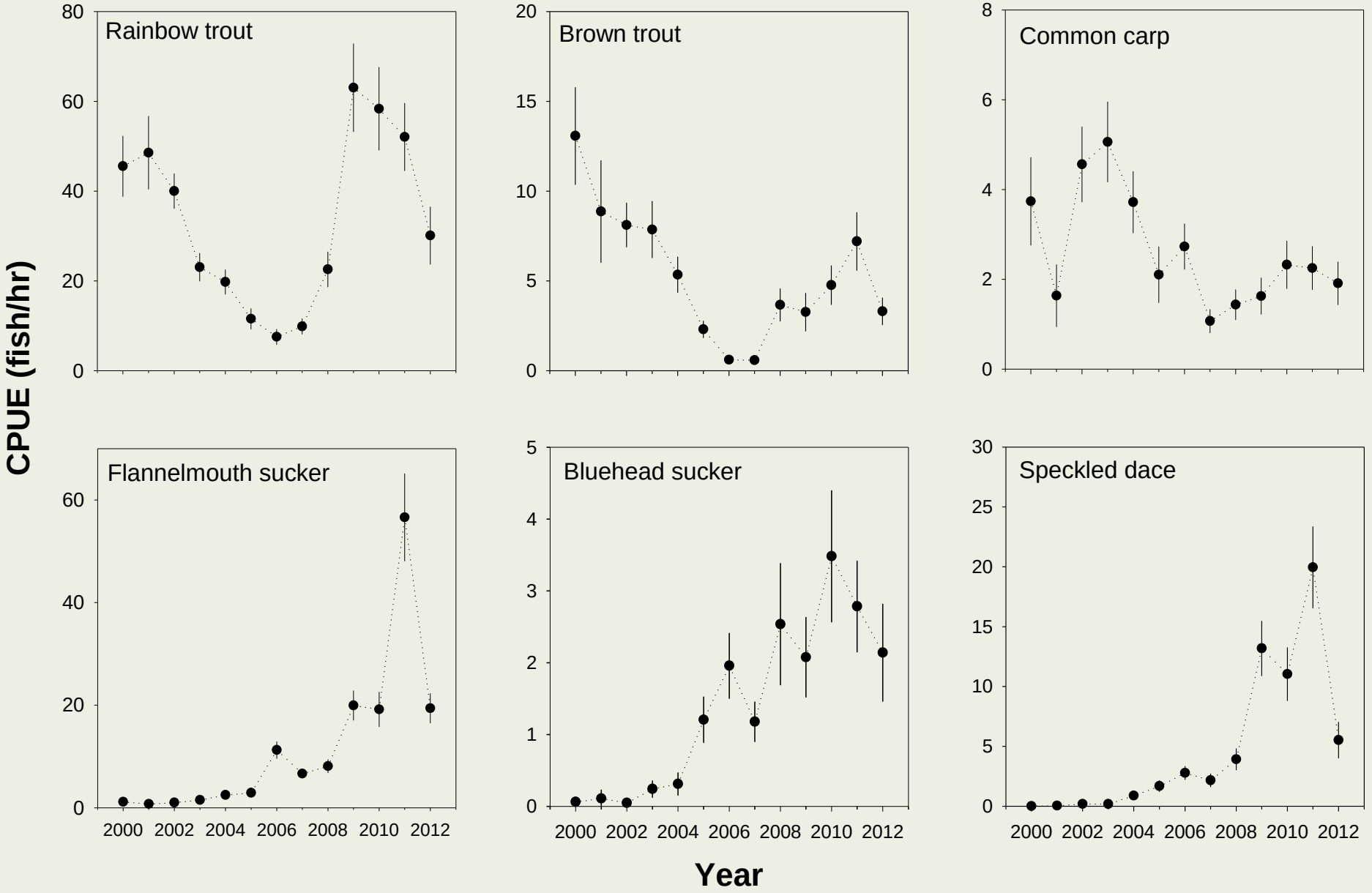
Grand Canyon Fish Community Monitoring - 2012 Results

CRABS Meeting
1-10-2012

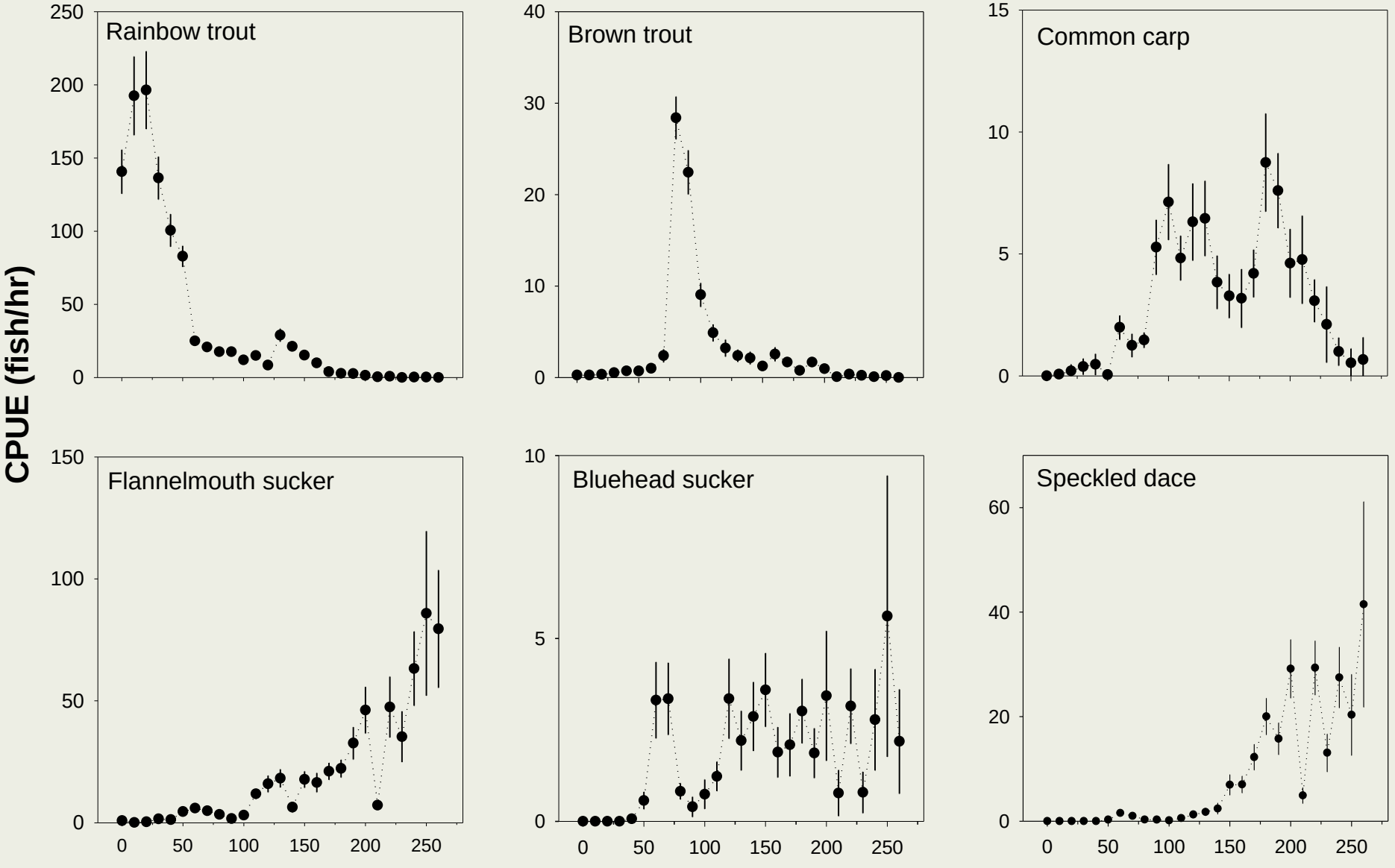
Methods: Field sampling

- Two trips: 1. Lees Ferry to Diamond Creek (May), and 2. Diamond Creek to Pearce Ferry (October)
- Random sampling from Lees Ferry to Pearce Ferry
- 479 transects averaging 315 seconds each over 23 nights
- Electrofishing occurs along shorelines using 2 boats working simultaneously at night
- Data attained: Species ID, TL (all species) & FL (natives only; mm), Wt (g), and tag returns (i.e., Floy, PIT, and/or fin-clips)

Temporal Trends



Spatial Trends



Razorback sucker

- Caught at RM 246 near Spencer Canyon debris fan on 10-7-2012
- Ripe male expressing gametes; tuberculate on anal and caudal fins
- Measured 543 mm total length
- No PIT tags or scarring detected with old and new scanners
- 384.36F2B2BC7

Questions?