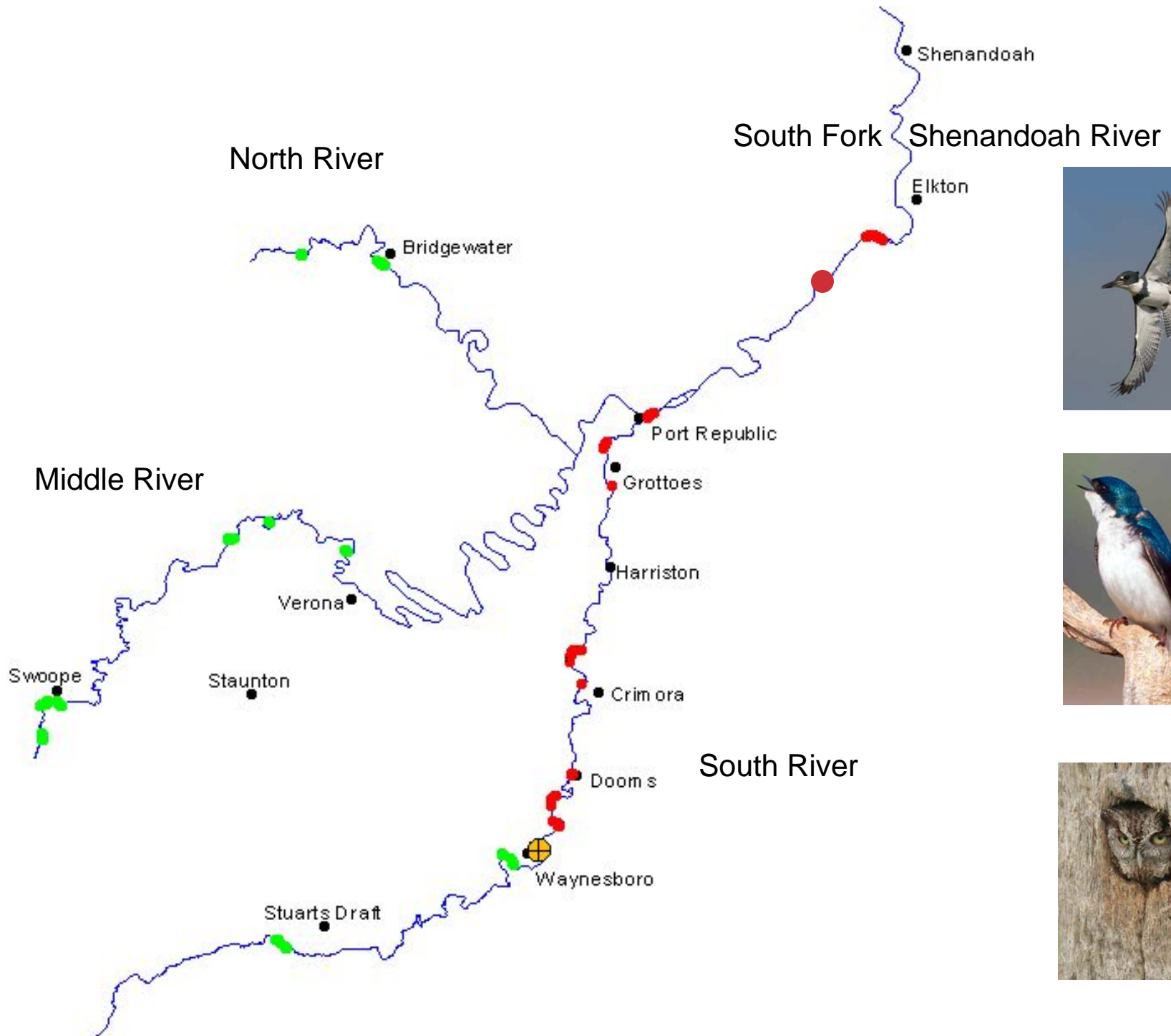


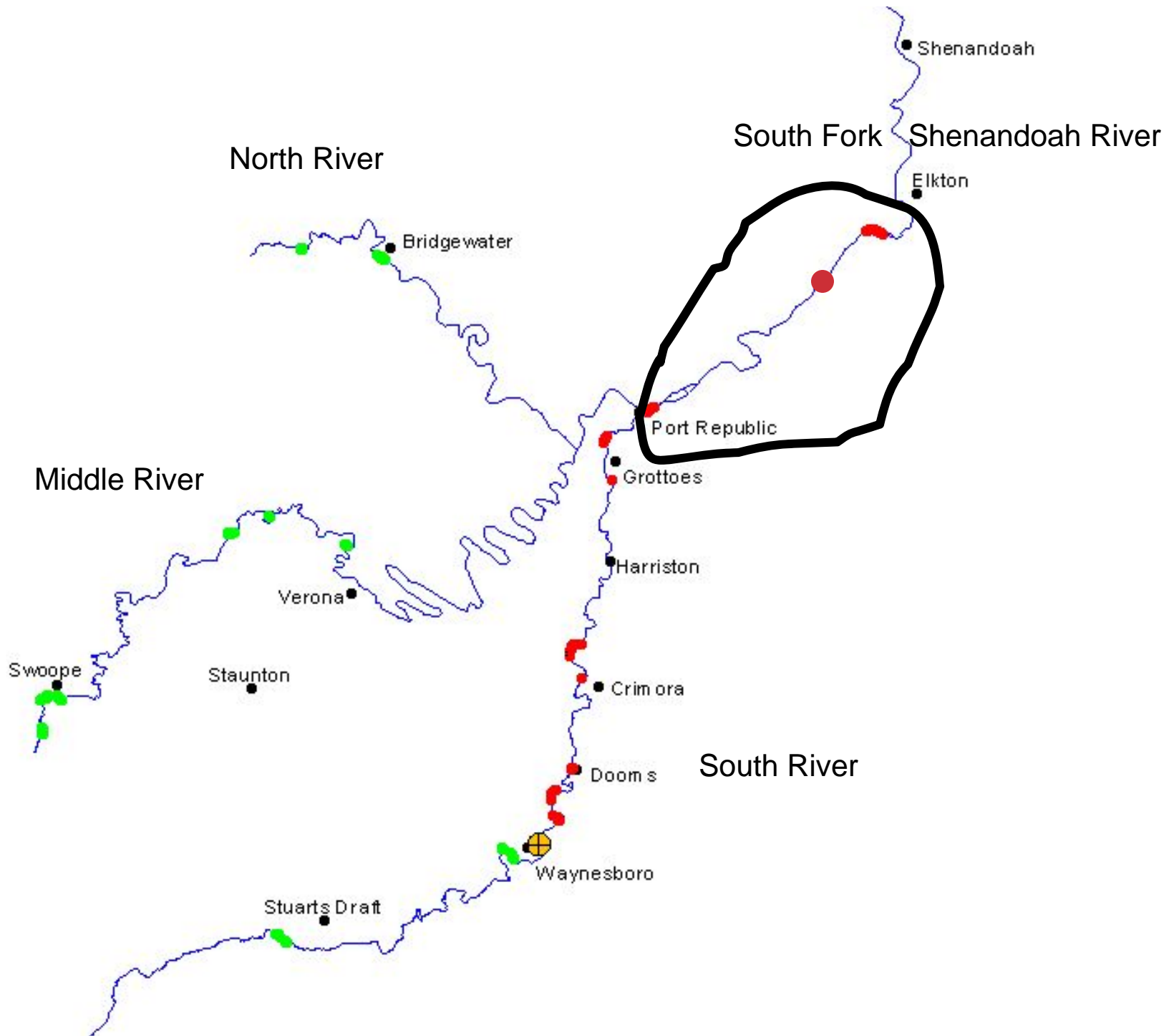
Mercury and Birds in the South River Watershed

Dan Cristol, Dept. Biology
College of William & Mary

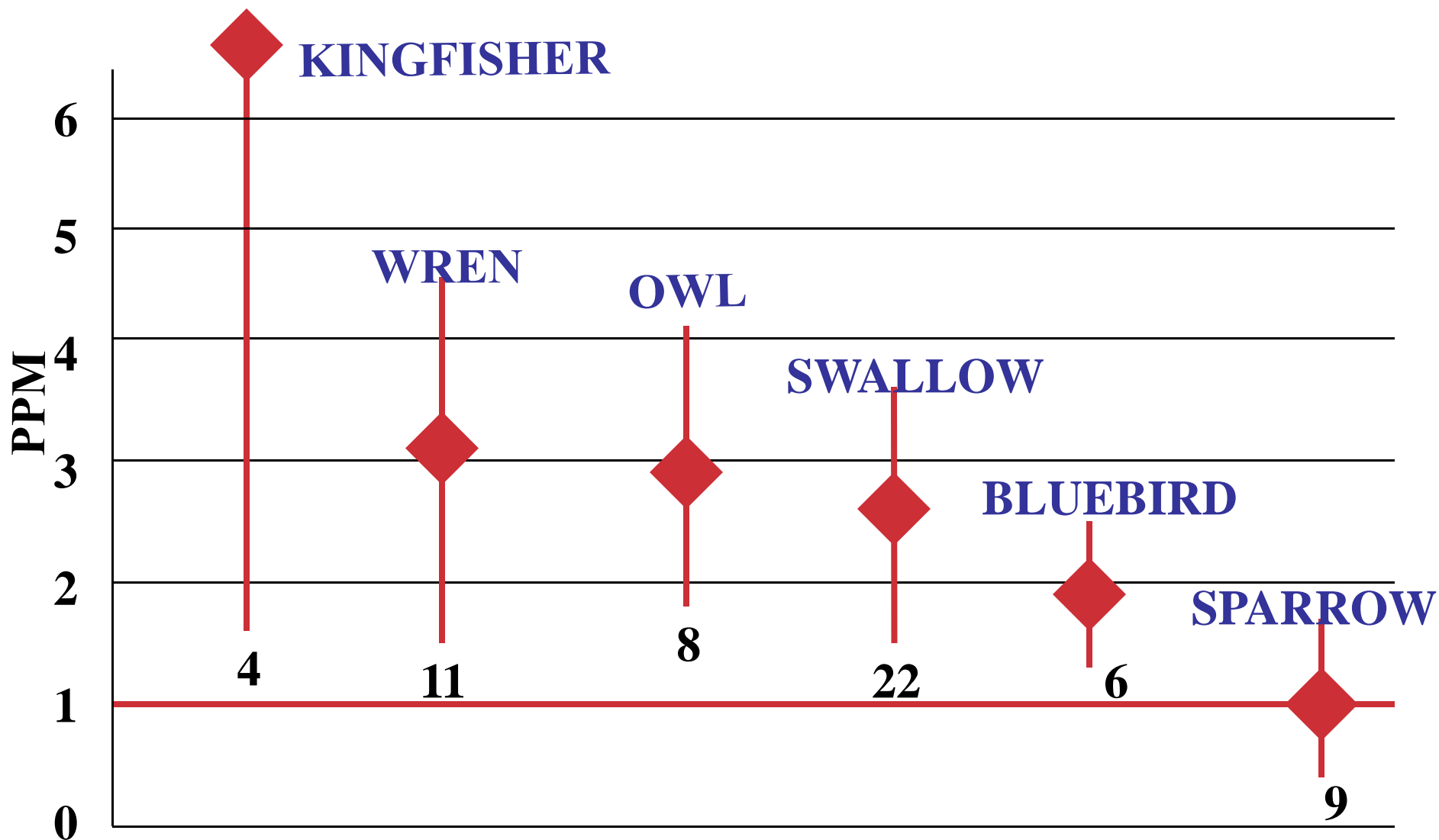
UPDATE

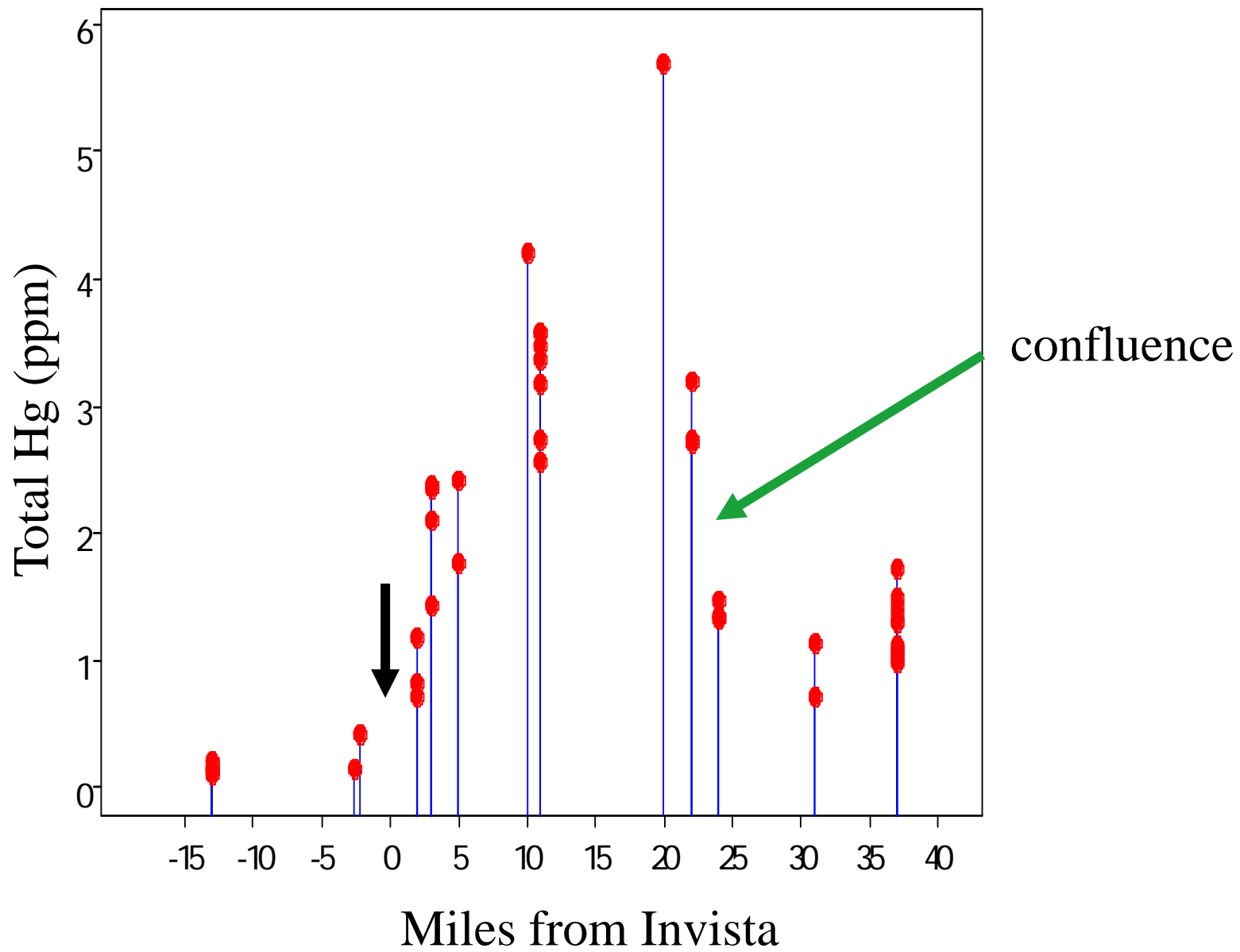




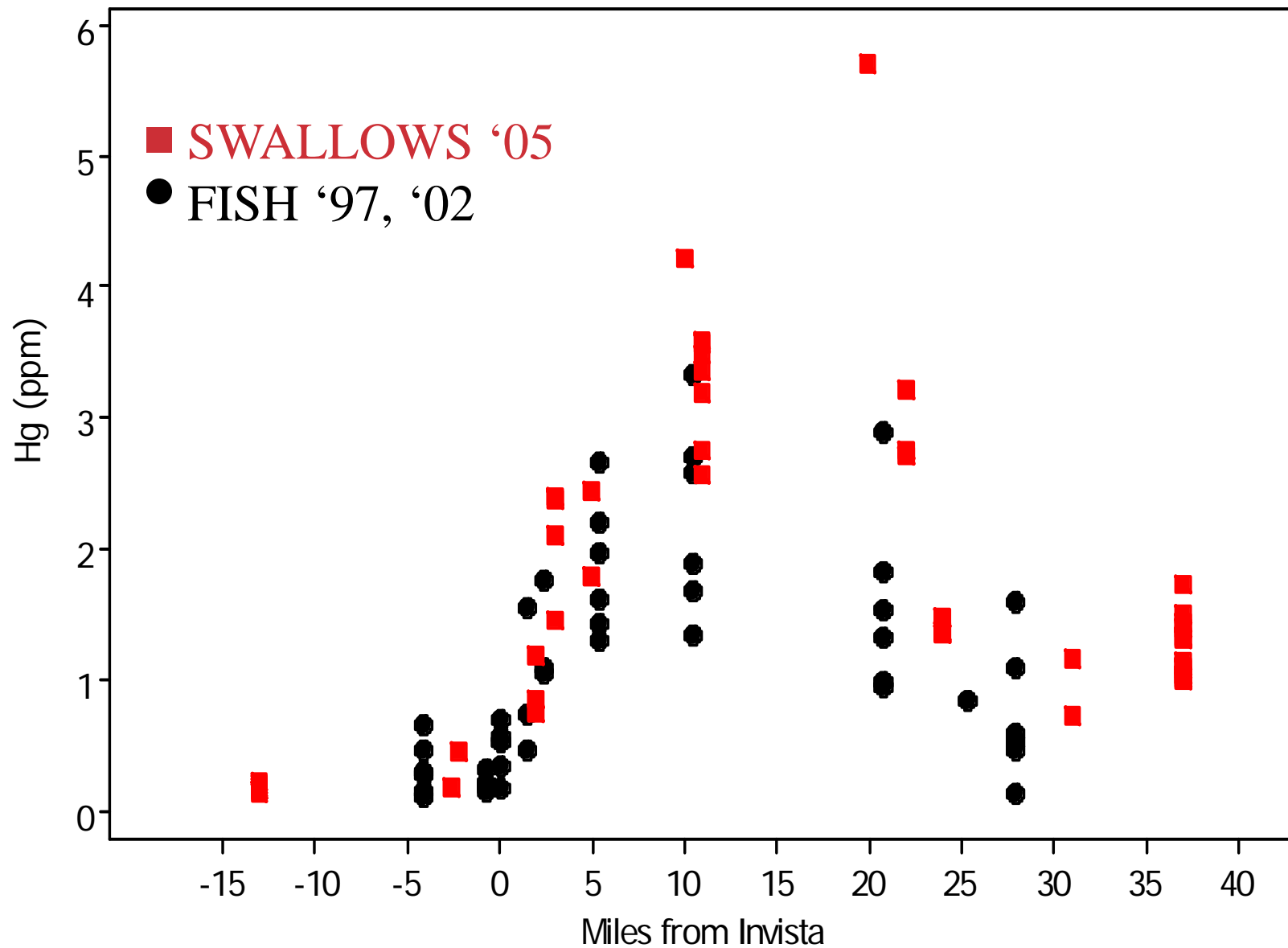


SOUTH RIVER: Total Hg ppm wet weight blood

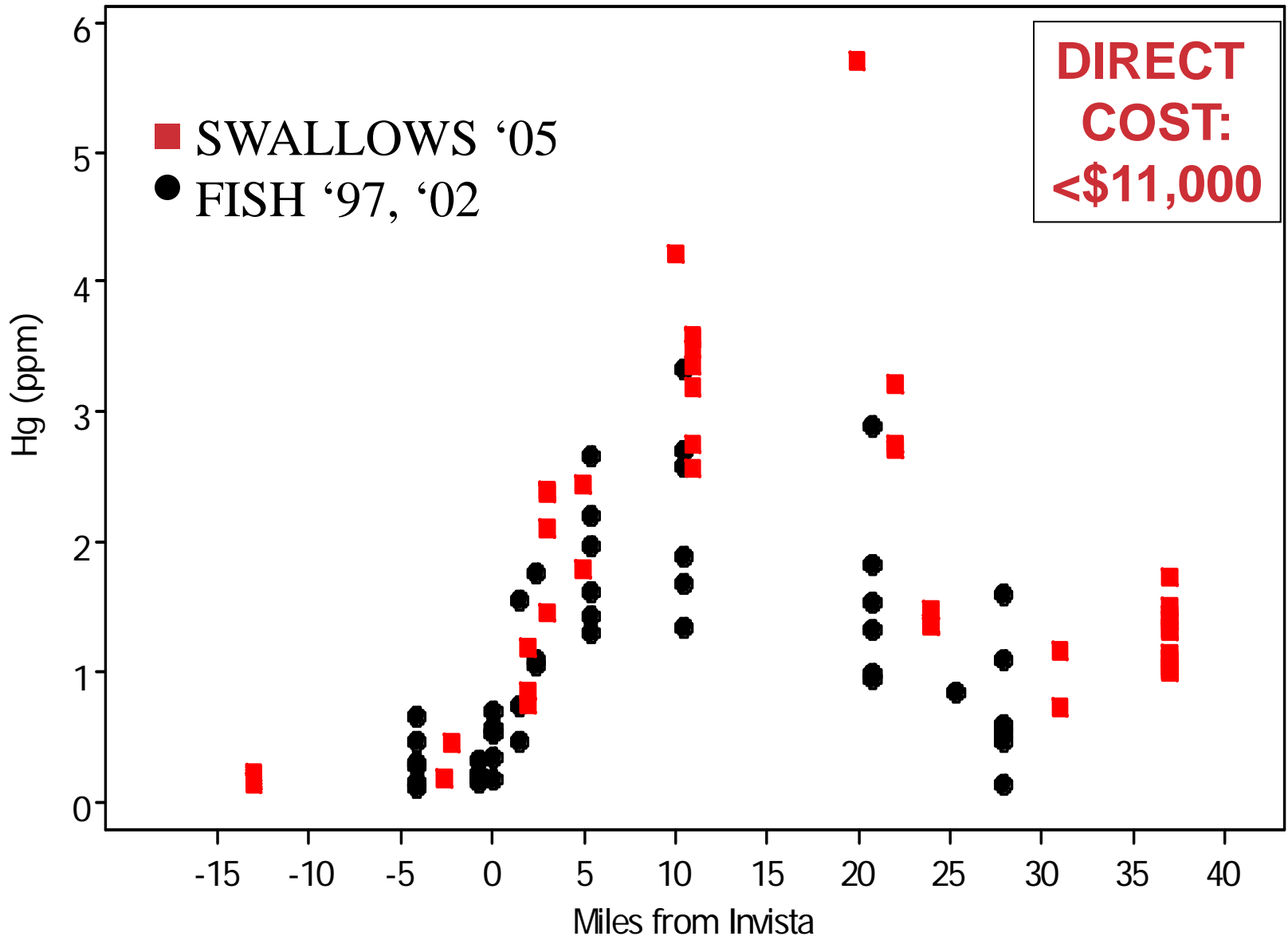


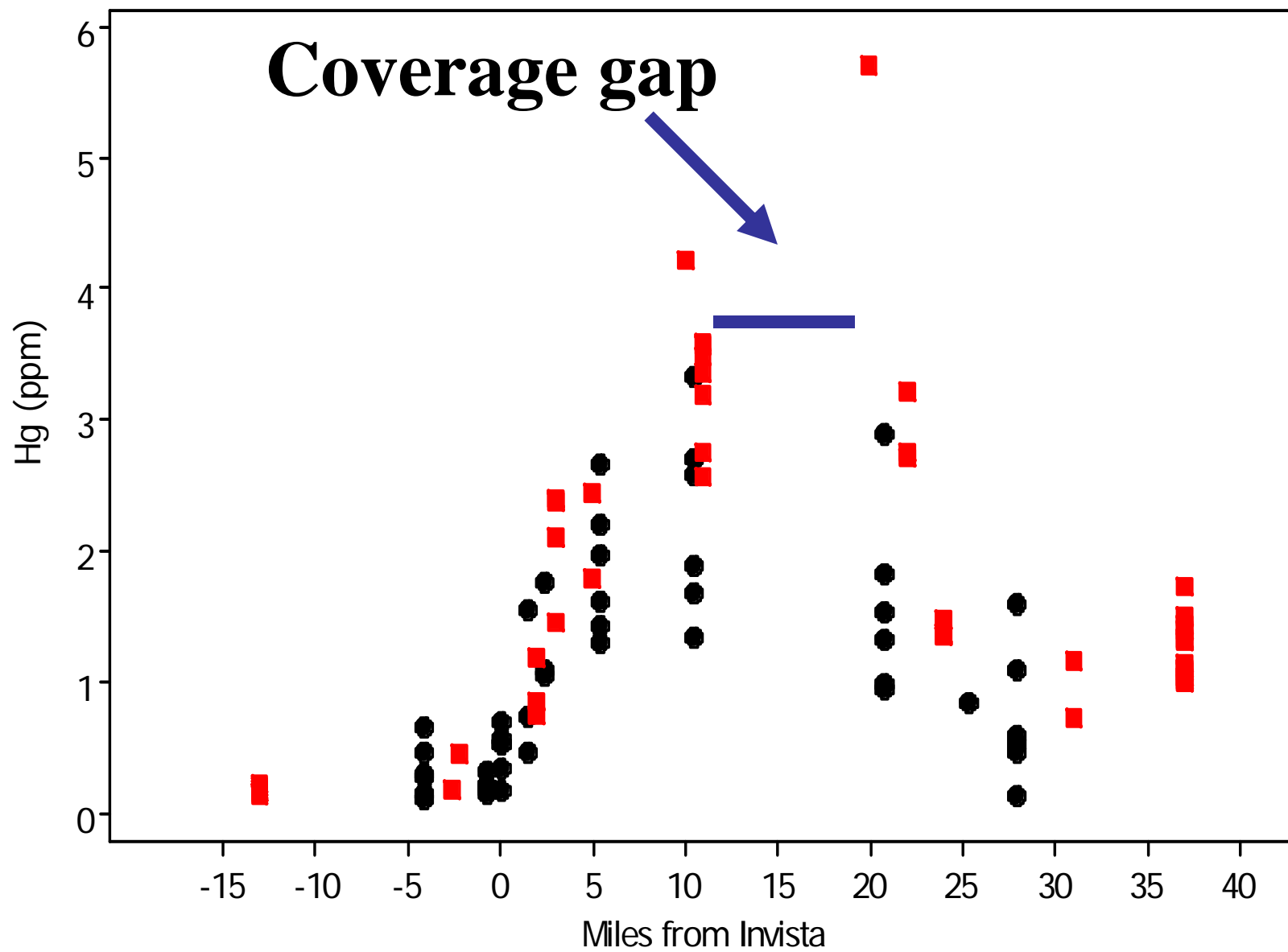


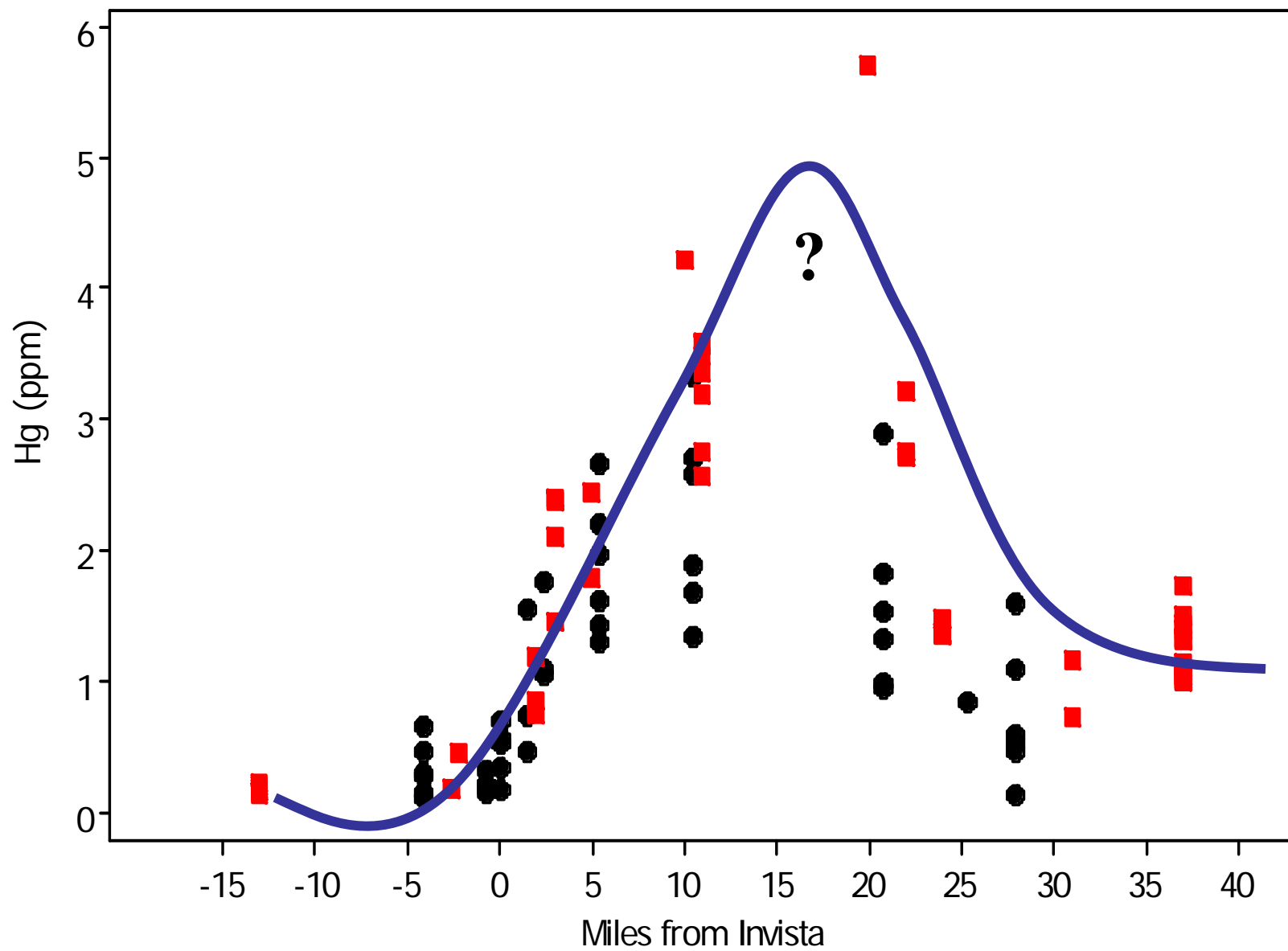
Swallows as bioindicators

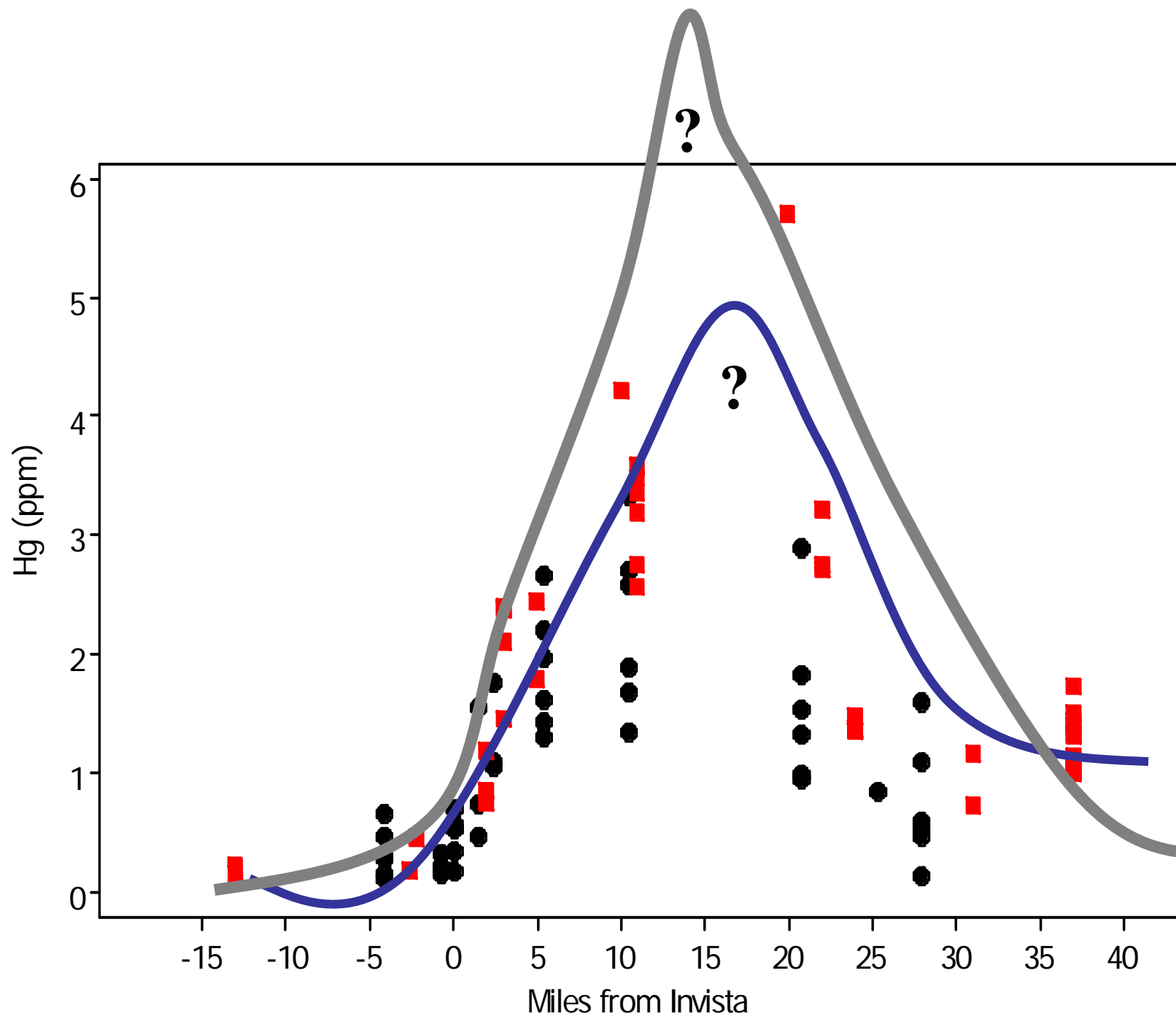


Swallows as bioindicators

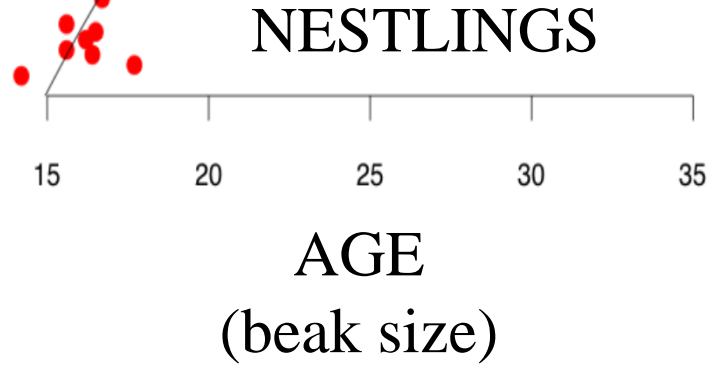
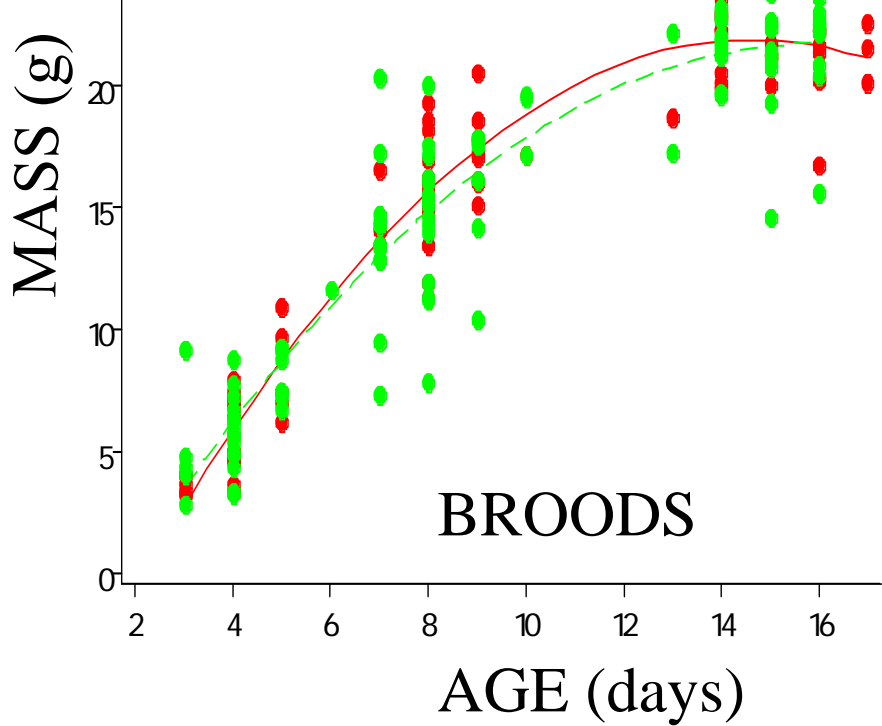








NESTLING DEVELOPMENT



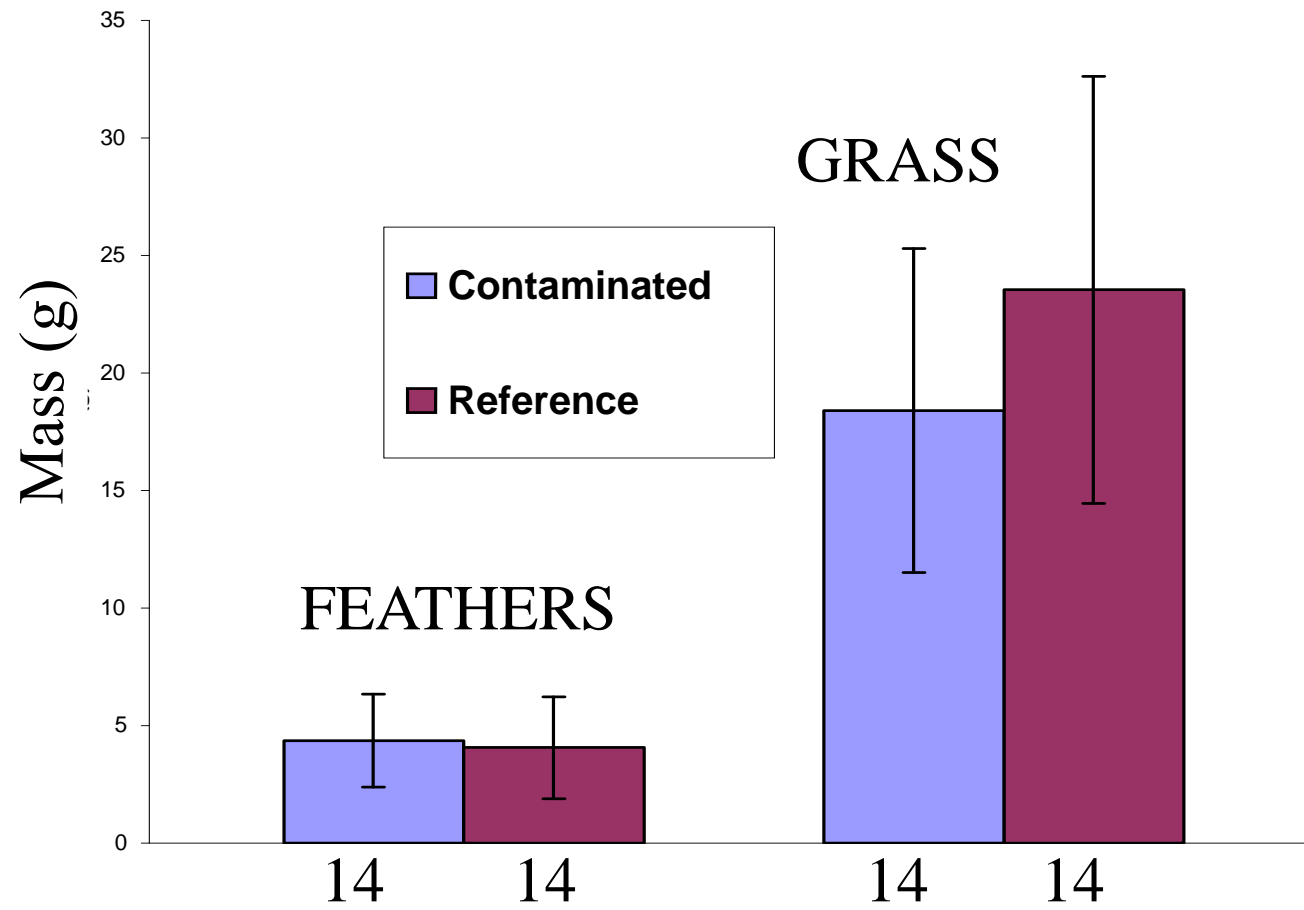
Adrian Monroe



**Subtle behavioral effects of
mercury:**

*Do contaminated male swallows
provision fewer feathers to nests?*

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Improvements:

- **Fishersville house**
- **Expanded crew**
- **More nestboxes**
- **Safer climbing**



Anne Condon

Rebecka Brasso

Scott Friedman

Ariel White



**•Kingfisher fates from
Crimora to Grottoes**



**•Owl nest
success II**



**•Wren
diets**



**•Swallow
survivorship**



**•Post-
fledging
bluebirds**