



Sustainable Fisheries Goal Implementation Team Meeting

June 11-12<sup>th</sup>

Annapolis, Maryland



#### Partners

- Fish collections leveraging existing programs
  - ▼ VIMS (Rob Latour)
  - ▼ VDGIF (Bob Greenlee)
  - ▼ VCU (Greg Garman)
  - ▼ MD DNR (Mary Groves)

#### End-users

- VA DEQ & Department of Health
- MD DNR & Department of Health
- The Public



Virginia's only all-tackle freshwater world record?





#### • Rationale:

- Blue catfish population impacting native species?
  - Could fishing pressure curb population expansion?
- O But fish consumption may pose human health threat?

- Inadequate data regarding contaminant burdens
- Ecological factors & local conditions control burdens?
  - Blue catfish undergo dietary preference changes with size
  - o Persistent pollutants buildup with age
- *Objective*: Evaluate contaminants in blue catfish of the Chesapeake watershed & develop model describing the influence of fish size, gender & diet on pollutant burdens





- Collect range of catfish sizes from Bay tributaries
  - o James, Rappahannock & Potomac Rivers
    - Reduce costs: Use existing collection programs
  - Develop descriptive model of relationship between fish gender, size, location & persistent pollutants
    - ▼ Legacy: mercury, PCBs, chlorinated pesticides
    - Emerging: brominated flame retardants (PBDEs)









### Potential relevance/impacts

- Promoting fishing of introduced species
  - Good for economy & environment
- Managers face questions regarding health risks
  - Contaminant data critical
    - Especially in wake of shrinking contaminants monitoring budgets
  - Descriptive model will assist managers & reassure the public



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