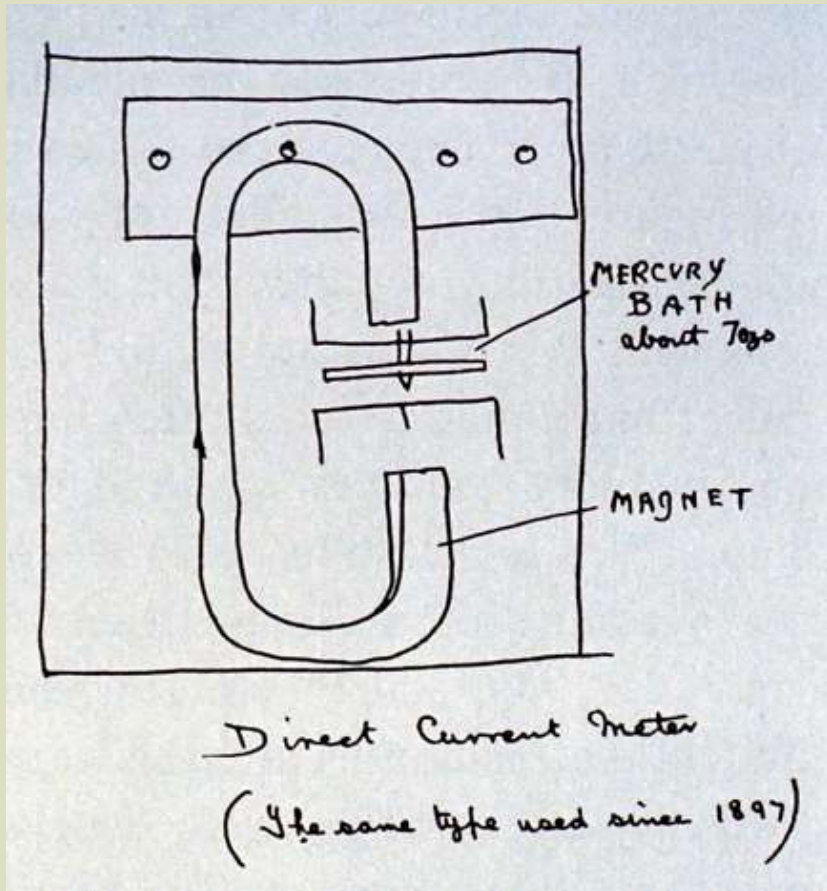


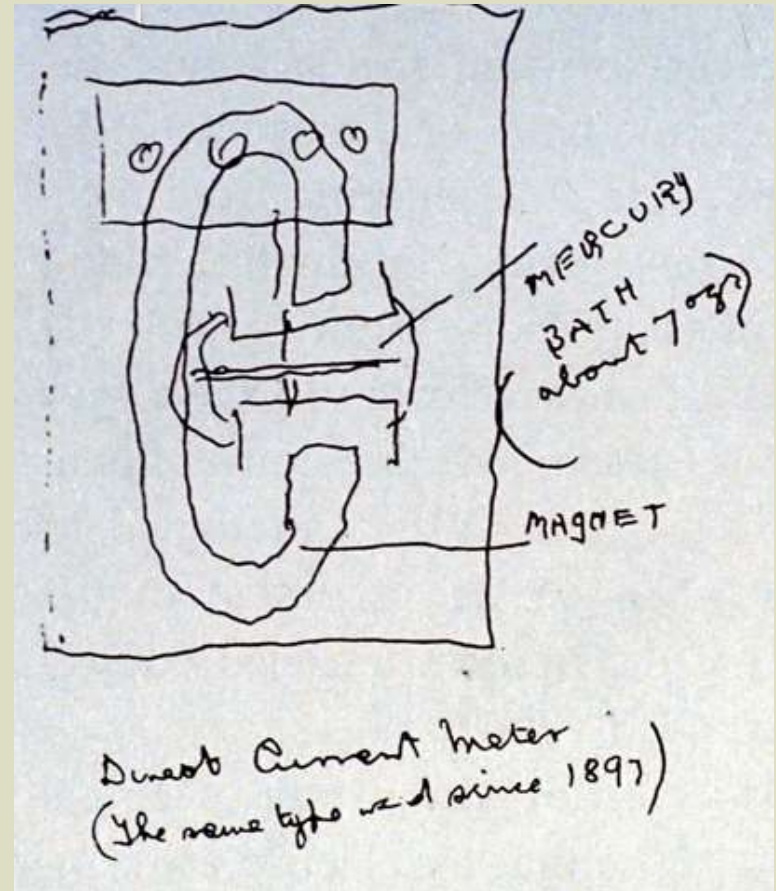
Bird Brains



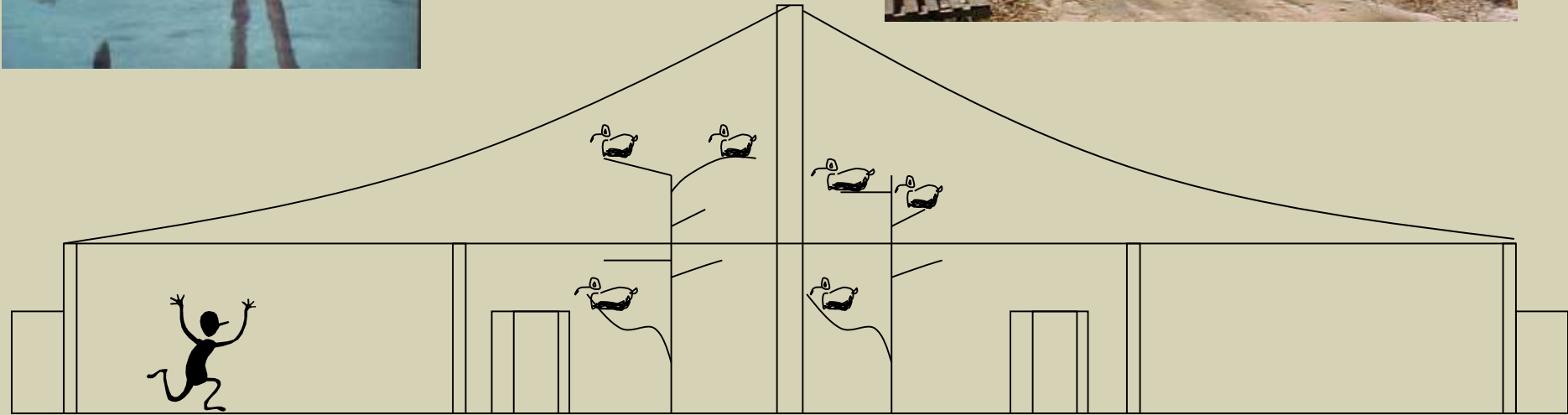
Peter Frederick
University of Florida



Before mercury exposure



After mercury exposure





Heterosexual pair



Homosexual pair

Courtship rates compared to controls

Low dose 10% slower

Medium dose 20% slower

High dose 50% slower

Homosexual 230% slower

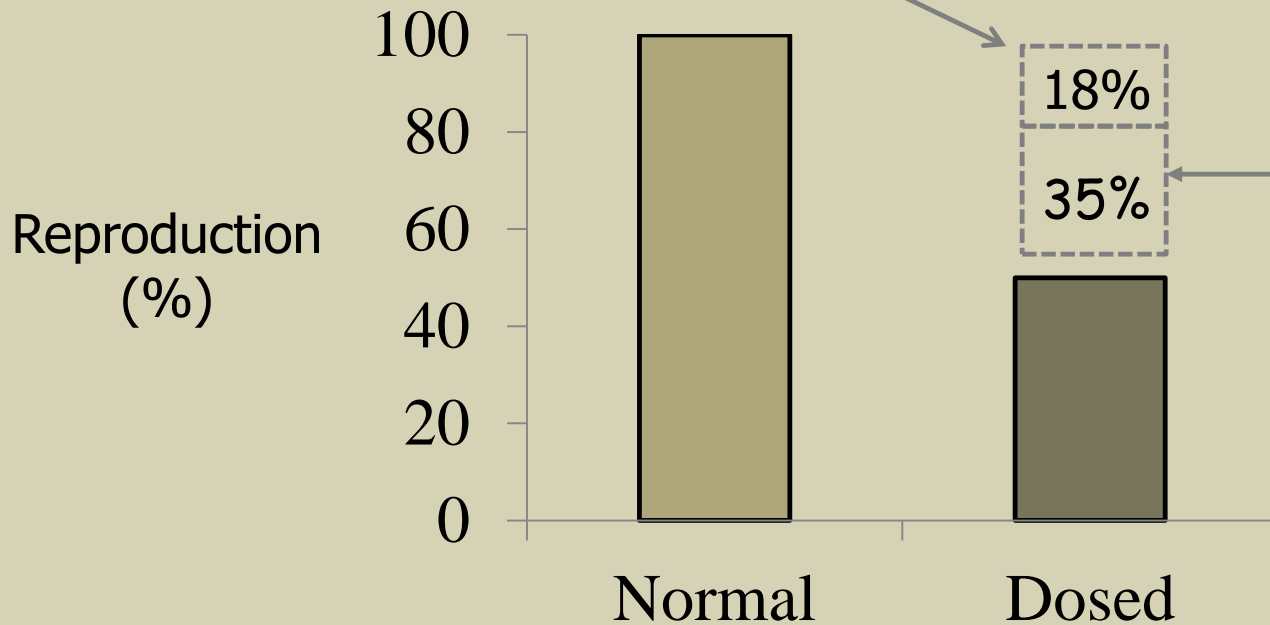




Homosexual pairing
No Eggs



Heterosexual pairing
Poor parenting



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graph TD; A[Sublethal methylmercury exposure] --> B[Endocrine disruption]; B --> C[Reproductive impairment]; C --> D[Population level effects];
```

Sublethal
methylmercury
exposure

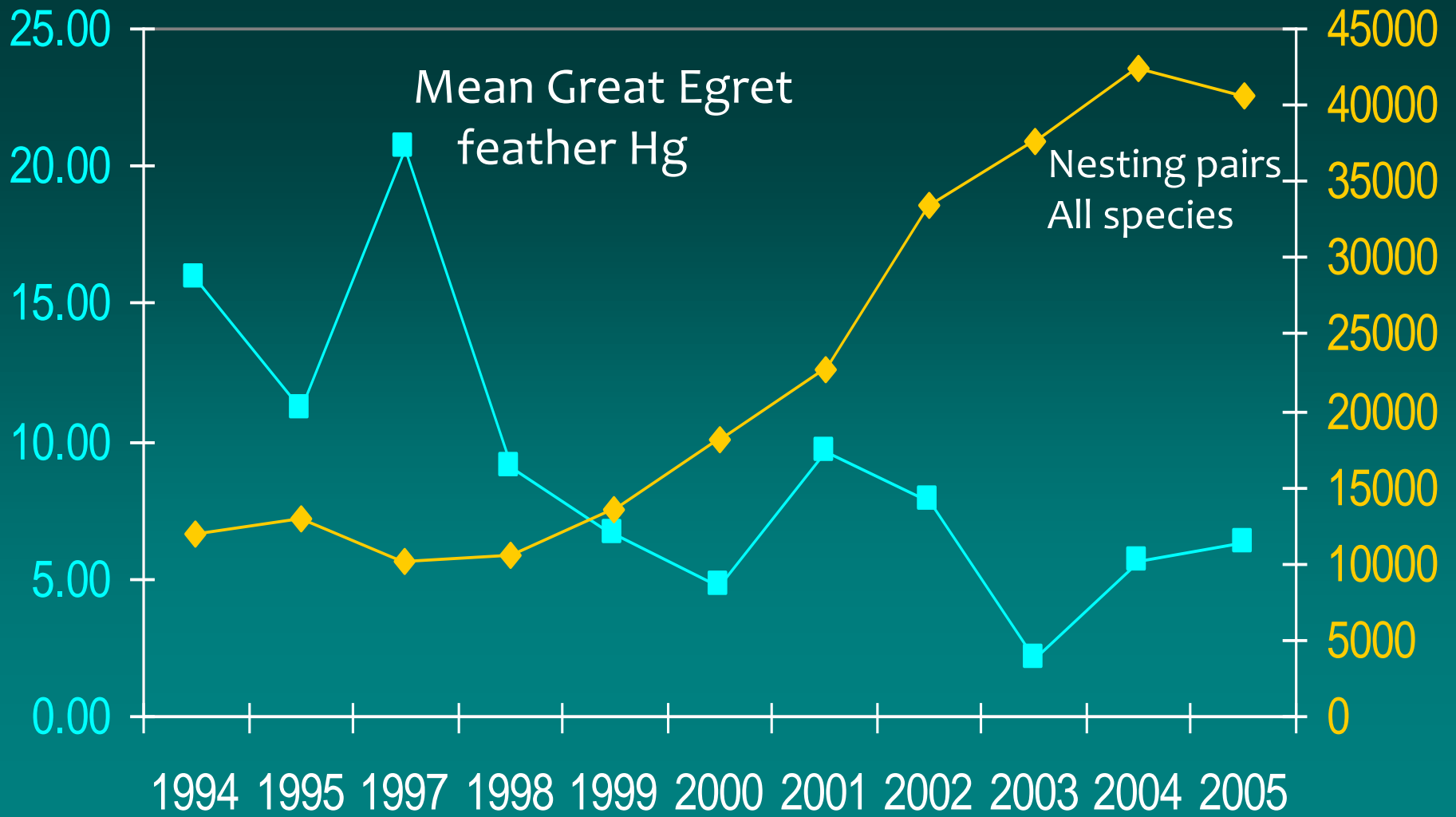
Endocrine disruption

Reproductive impairment

Population level
effects

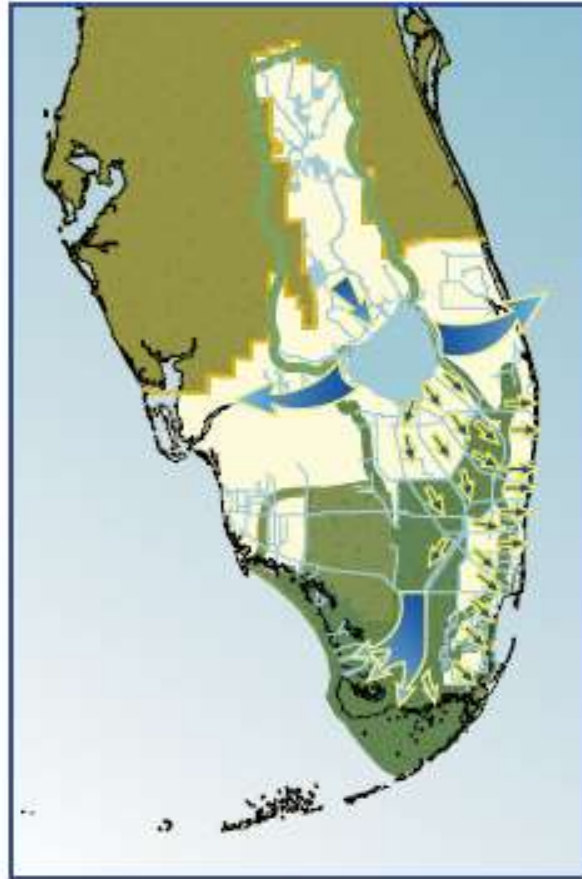


Sulfate
in the
Everglades





Pre-Drainage Flow



Current Flow



Restored Flow



We rarely acknowledge the importance of monitoring, but its our only life raft in a complex and changing south Florida.

