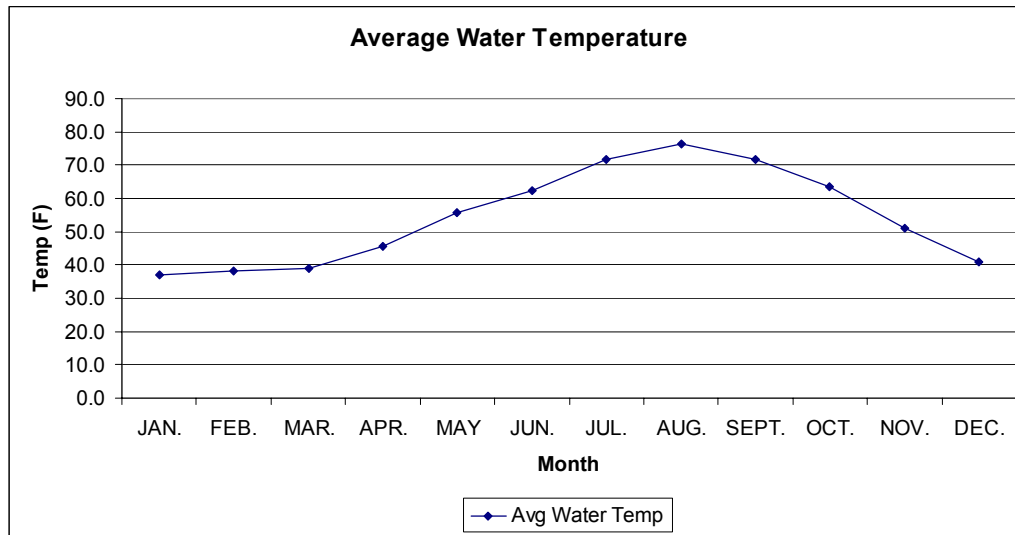


Pennsylvania Update

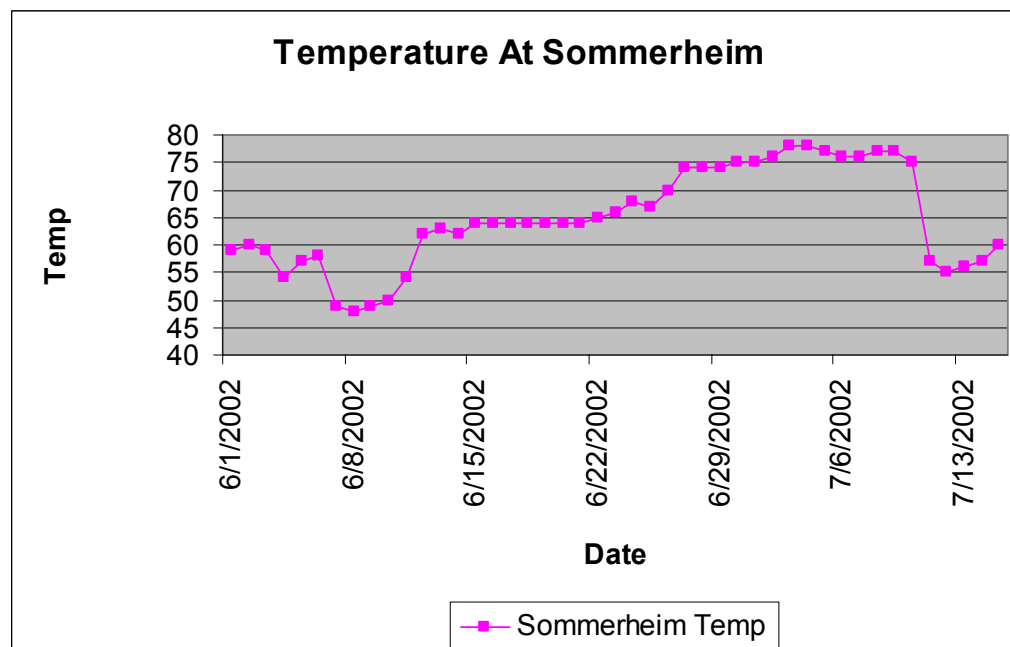
Botulism in Lake Erie

Bob Wellington – Erie County Health Department
Mike Mumau – Presque Isle State Park

Near shore water temperature @ Erie Waterworks Intake



July 11, 2002: Fish Die-off



Blue-green algae bloom, Horseshoe Pond, Presque Isle State Park



Collection Procedures & Data for Dead Fish Presque Isle State Park

- Nearly 2000 fish collected on Presque Isle during summer 2002
- July 10 & 11 – 446 dead fish collected
- Collected regularly on Monday, Wednesday and Friday. Also early morning on weekends
- Collected by interns, placed in plastic bags, sealed and deposited in compacter
- Concentration found west of Beach 6

Most Common Fish Species

- Freshwater Drum
- Channel Catfish
- Small mouth Bass
- Common Carp
- Alewife
- Walleye
- White sucker
- Yellow Perch
- Bluegill

Collection Procedures & Data for Dead Birds, Presque Isle State Park

- Bird mortalities were reduced compared to 2001
- Ring-billed gulls, herring gulls – in the summer
- Loons – in the fall
- Cooperative agreement with Erie County Humane Society for disposal (incineration)
- Double bagged, then placed in freezer for temporary storage
- Park interns and maintenance staff work cooperatively