

# Spring 2005 Fish Tissue Mercury

- Continuing 100 year sample plan
- Collections will be done by DGIF and DEQ in April at 17 sites
- Analyses will be performed by DCLS
- Target species are smallmouth bass, white sucker, and redbreast sunfish



# Spring 2005 Sample Plan

Station	Location	Trophic Groups	Seasonal Smallmouth	Channel Catfish	Trout
STH026.12	Waynesboro City Park above Rife Loth Dam	30			
STH025.10	Waynesboro City Park north of DuPont footbridge	30			10
STH023.73	Waynesboro near 2 <sup>nd</sup> Street Bridge	30			
STH022.75	Downstream of Waynesboro at Hopeman Parkway	30			
STH020.44	Dooms, VA near Rt. 611 bridge (above dam)	30			
STH014.49	Crimora, VA near Rt. 612 bridge	30			
STH004.21	Grottoes, VA near Grand Caverns bridge	30	20		10
NTH004.10	Near Rt. 668 bridge below confluence with Middle River	30			
SSF100.10	Lynwood, VA near Rt. 708 bridge	30			
SSF078.24	Shenandoah, VA (boat ramp above dam)	30		10	
SSF063.17	Newport Landing south of Alma, VA on Rt. 340	30			
SSF054.20	Hamburg, VA near Rt. 211 bridge	30		10	
SSF037.60	Fosters Landing near Rt. 684 bridge	30			
SSF020.70	Bentonville Landing near Rt. 613 bridge	30			
SSF010.18	DGIF Boatlaunch – Luray Avenue	30		10	
SHN038.48	Rt. 17/50 bridge	30		10	
SHN022.63	Berryville, near Rt. 7 bridge	30			
XWT000.02	Coursey Springs Trout Hatchery				10

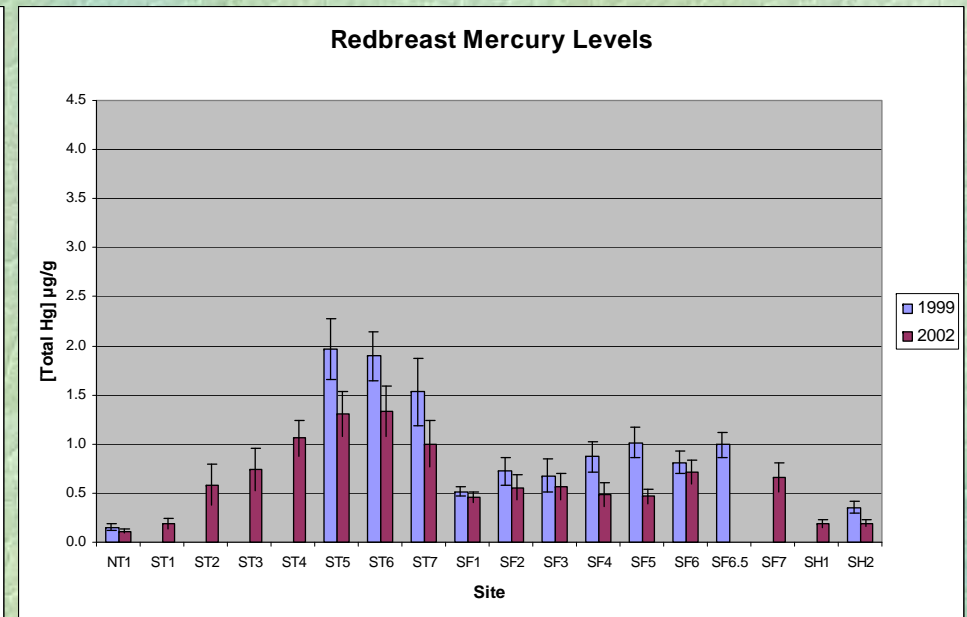
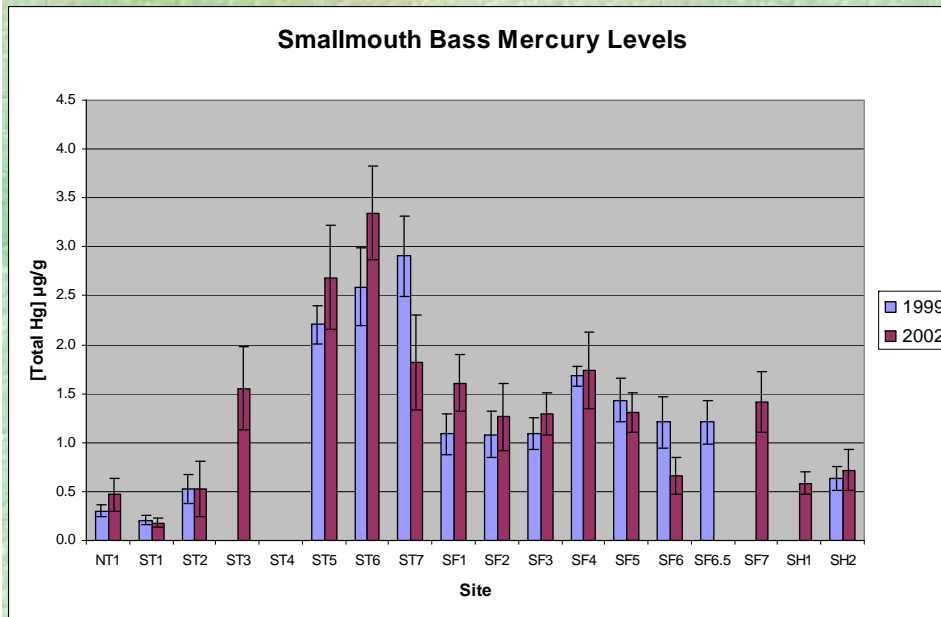


# Seasonal Study of Mercury Levels

- Project by Greg Murphy found seasonal differences for smallmouth bass
- Target will be smallmouth bass at Grottoes
- 10 additional fish will be collected in summer and fall

# Seasonal Study Options (if smallmouth are too sparse in South River)

- Smallmouth bass in South Fork Shenandoah
- Redbreast sunfish in South River





# Holdover Trout Study

- Hatchery trout were marked by clipping adipose fins before release this year
- Marked trout will be collected from South River near the footbridge
- Marked trout should be holdovers with longer exposure to mercury



# Other Options

- Corbicula cosampling
- White Suckers during spawning in North River
- Collect marked trout at footbridge in fall 2005