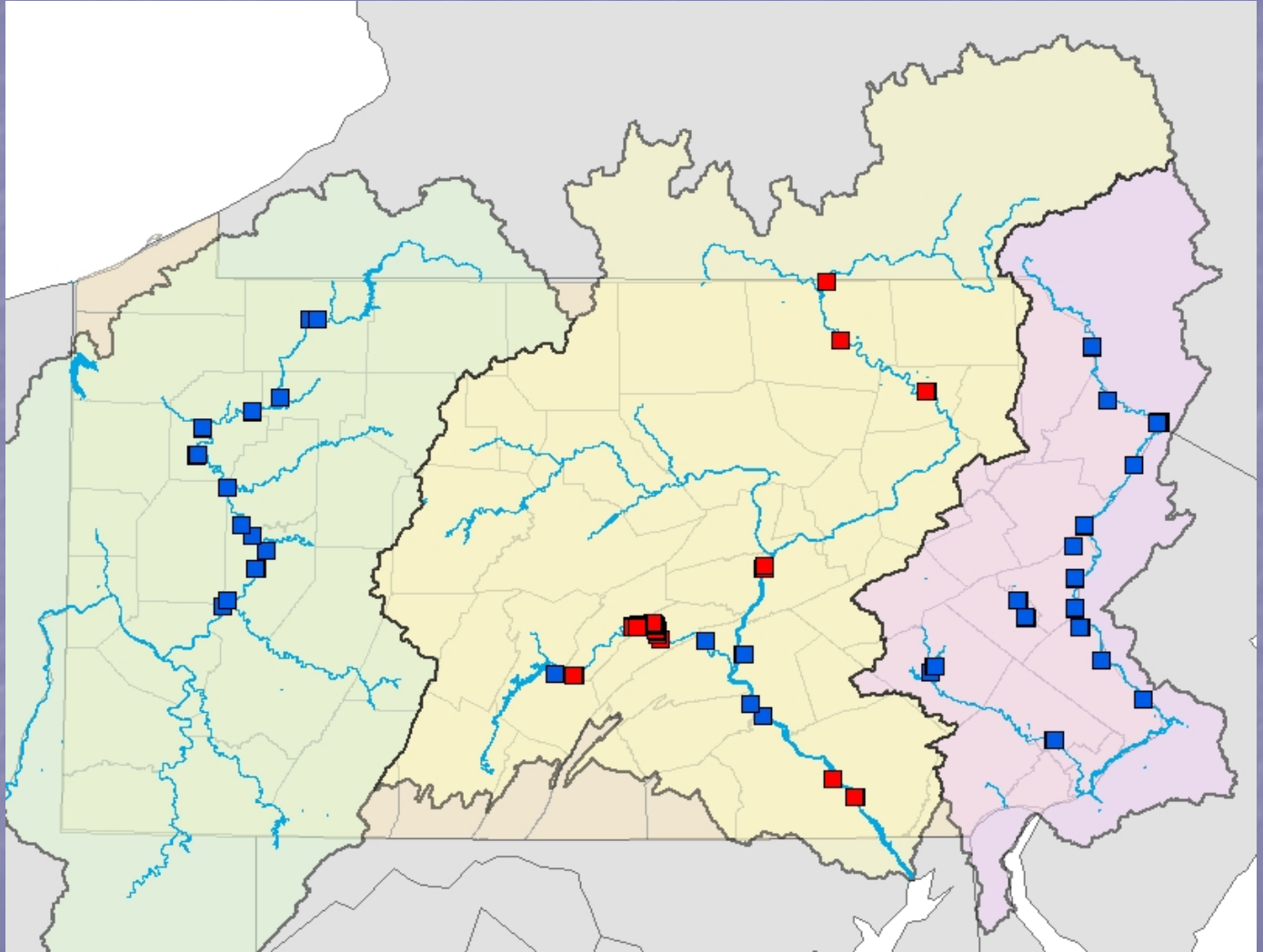


Smallmouth Bass Y-O-Y and Adult Trends and 2005 Monitoring Results

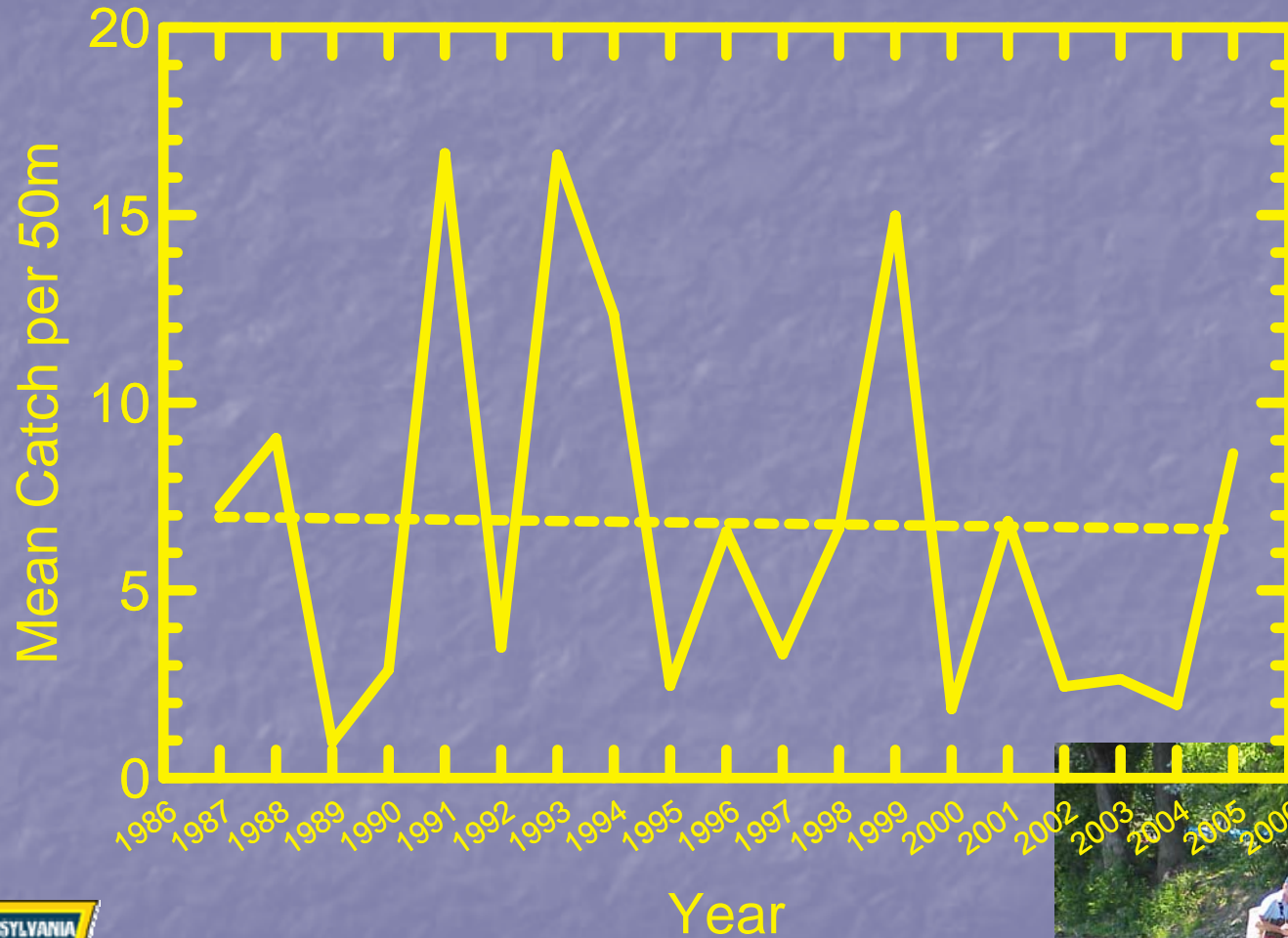
R. Lorantas
Warmwater Unit
Fisheries Management Division
Pennsylvania Fish and Boat Commission



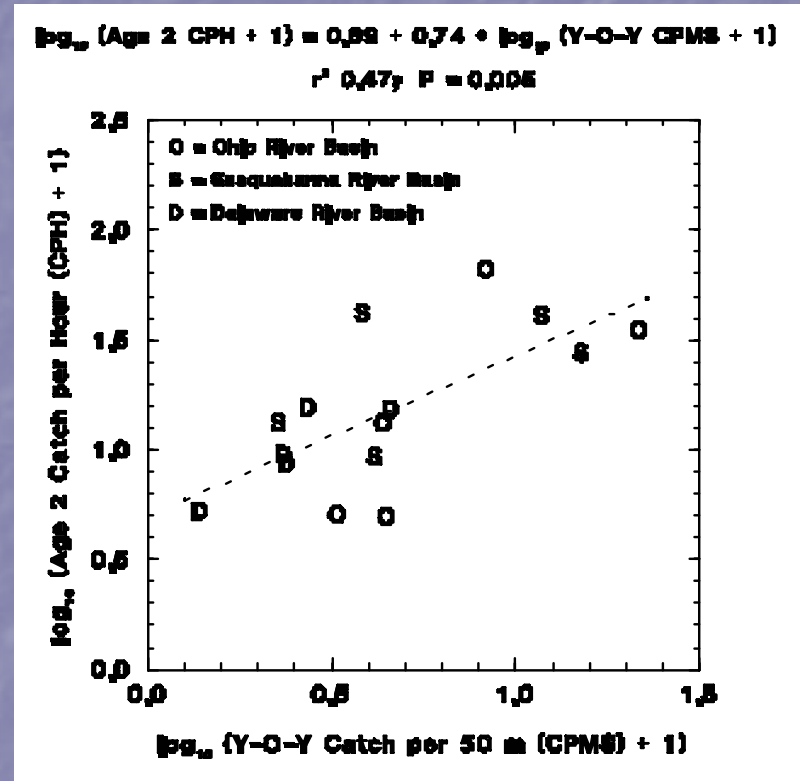
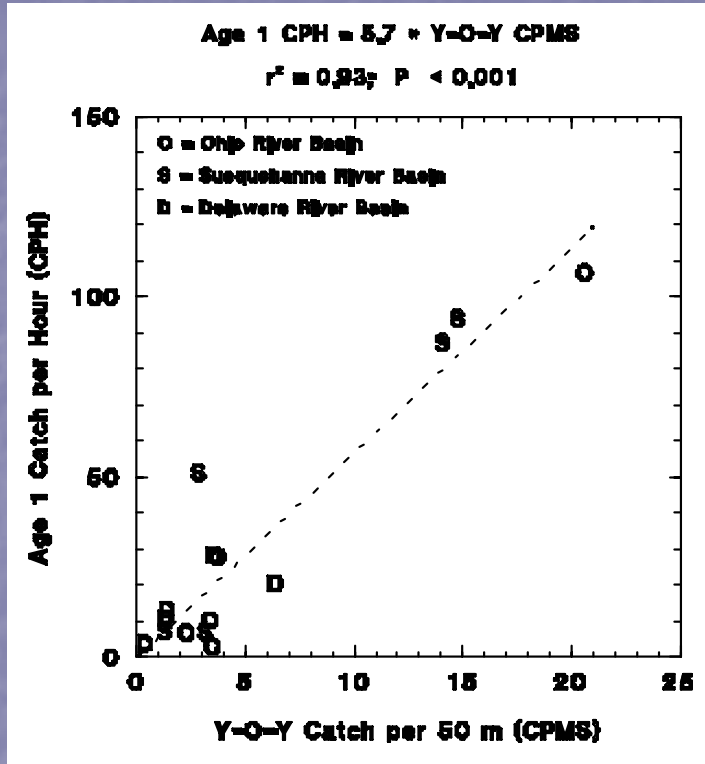
Young of Year Index Sites



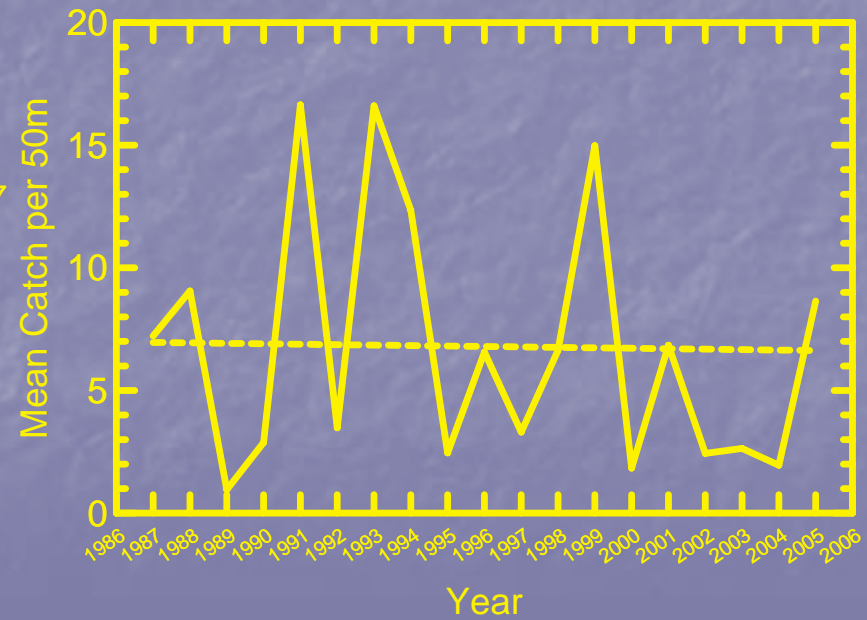
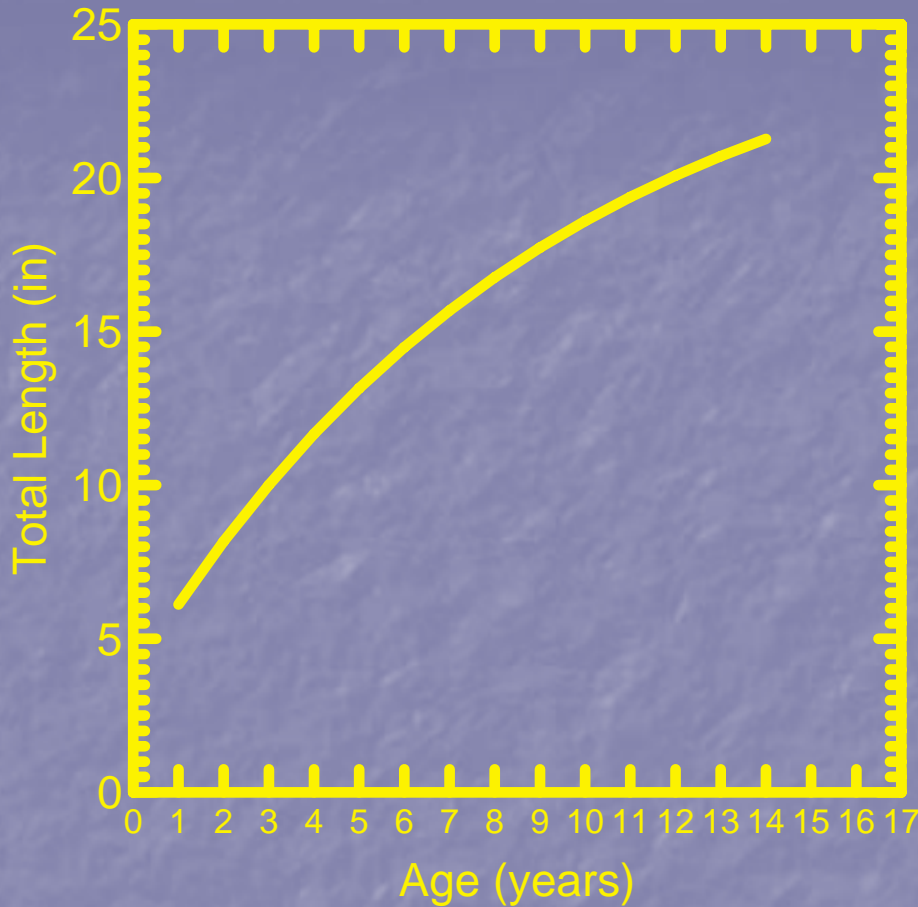
Smallmouth Bass Y-O-Y



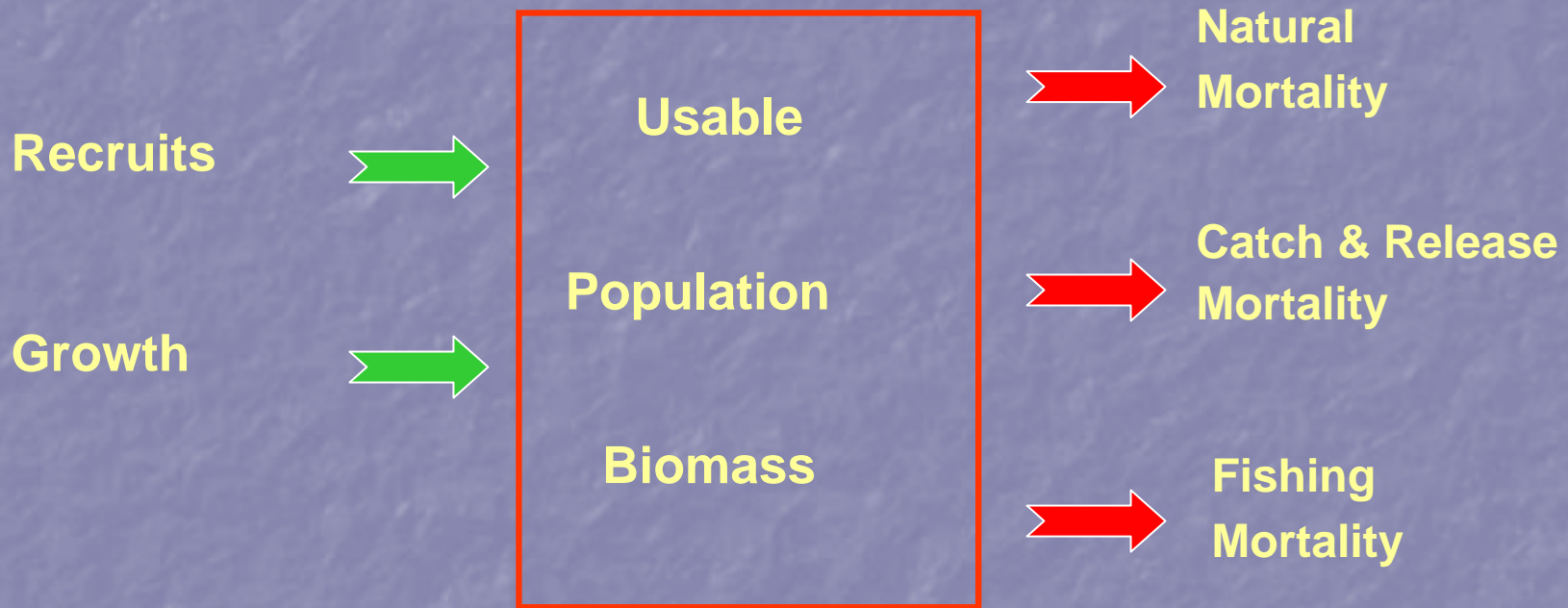
Relationship between Y-O-Y, age and Age 1 & Age 2



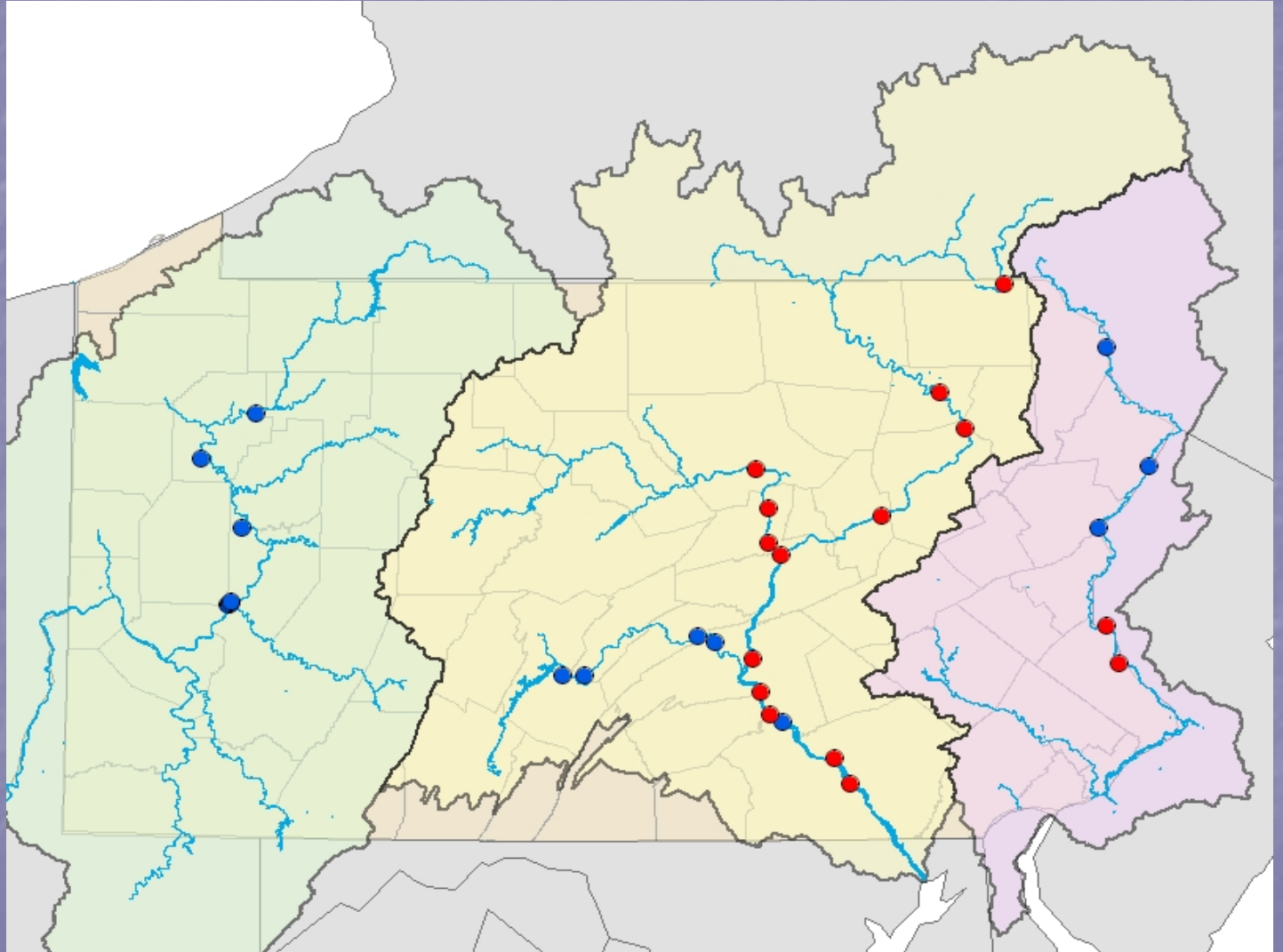
Smallmouth Bass Growth



Fish Population Change



Adult Index Sites



SMB >12 inches CPHR

Basin	1990 - 1996	2005	% Change
Susquehanna	10	6	-40
Delaware	3	4	33
Ohio	4	9	125

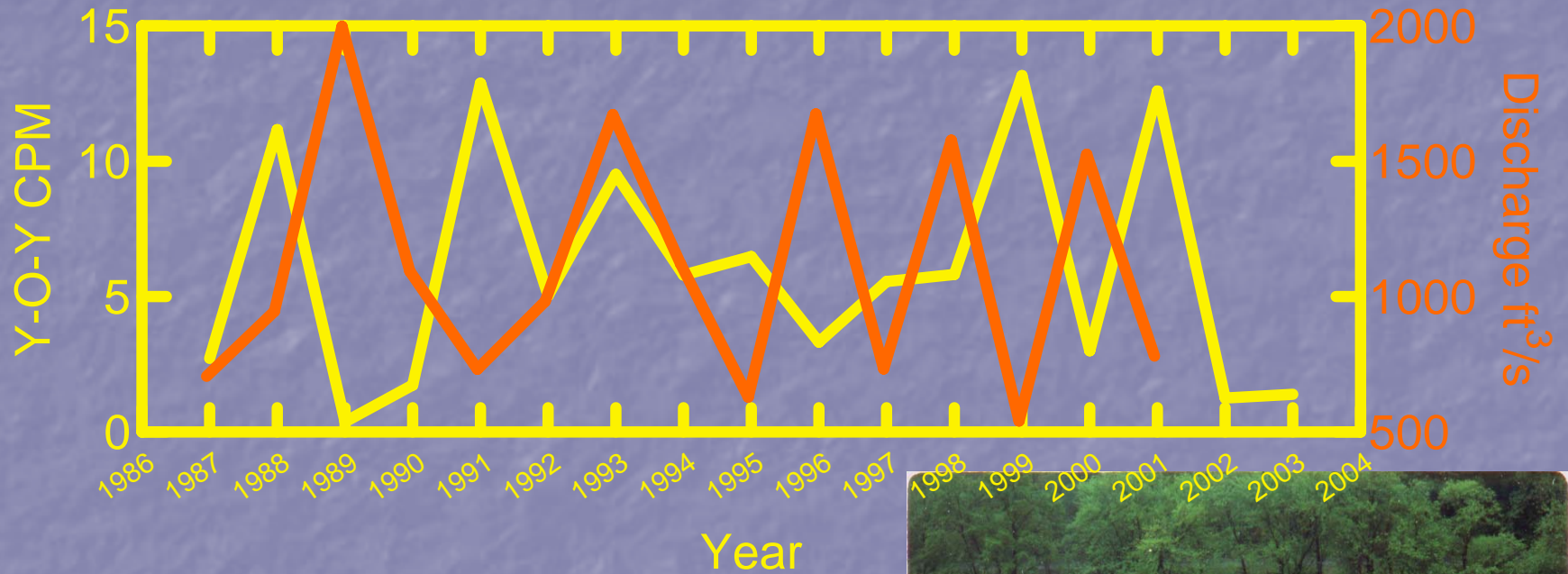


SMB >12 inches CPHR

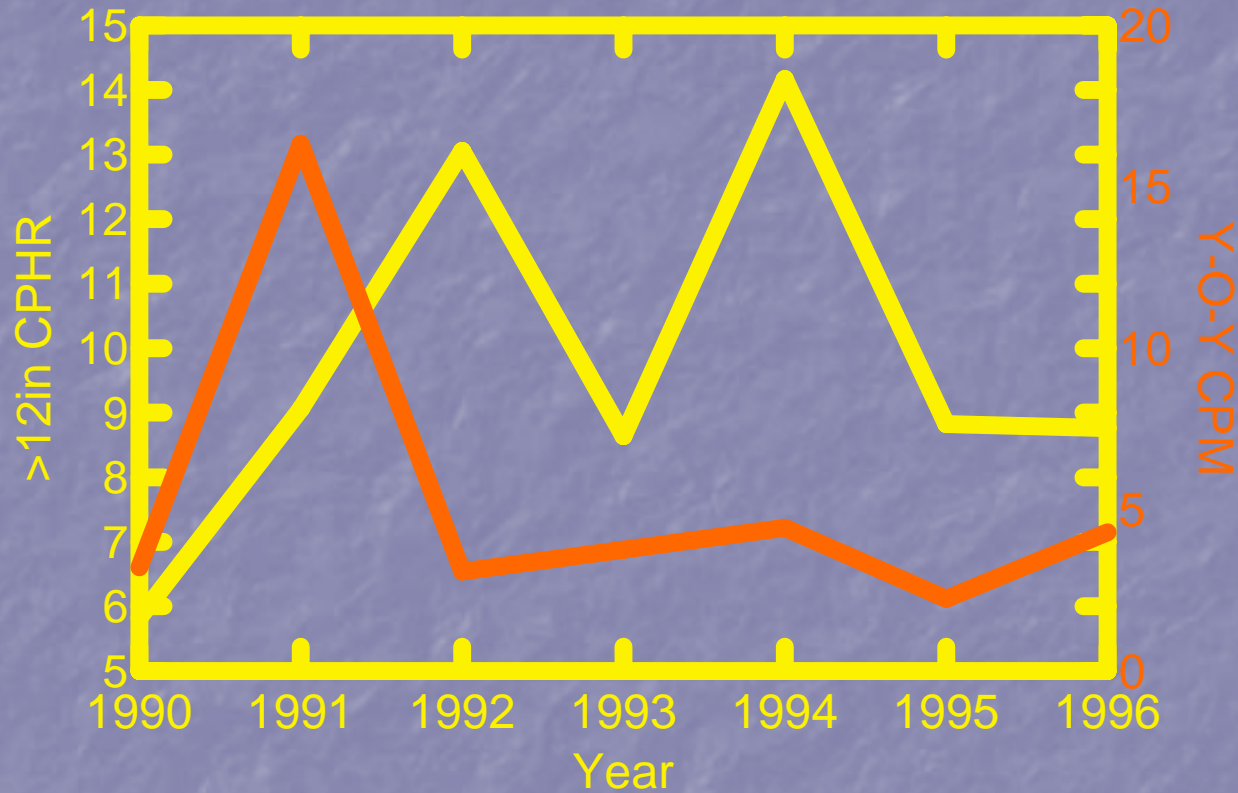
	1990 - 1996	2005	% Change
Water			
NBr Sus	4	7	68
WBr Sus	6	1	-83
Juniata	7	3	-57
Susquehanna	18	6	-67



Y-O-Y Index & River Flow



Y-O-Y and Adult Indices



Adult Smallmouth Bass Abundance in 2005

- Adult density influenced by density of young in earlier years
- Density of young primarily influenced by river discharge characteristics from spawning through time fish reach 2 inches
- Adult density does not appear to influence density of young.



PFBC 2006 Monitoring

- Y-O-Y Indexing
- Adult Indexing
- D.O. monitoring



Thank you



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