

April, 1945

STREAM FISH AT MOUNTAIN LAKE, VIRGINIA

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TABLE V. Longitudinal distribution of fishes in Craig Creek

Stations	1	2	3	4	5	6	7	8	9	10	11	12
pH	6.3	6.8	6.8	7.0	7.0	7.0	7.2	7.2	7.4	7.4	7.4	7.4
Temperature (°C.)	19	19	19	19	20	20	21	21	21	21	21	21
<i>Salvelinus f. fontinalis</i>	X	X	X	X								
<i>Theburnia rhothoeca</i>	X	X	X	X			X	X	X			
<i>Clinostomus vandoisulus</i>	X	X	X	X								
<i>Rhinichthys a. atratulus</i>	X	X	X	X								
<i>Nocomis leptacephalus</i>	X	X	X	X		X						
<i>Notropis c. cornutus</i>	X	X	X	X			X	X	X			X
<i>Schilbeodes marginatus</i>	X	X	X	X								X
<i>Micropterus d. dolomieu</i>	X	X	X	X		X						X
<i>Esox niger</i>	X	X	X	X			X	X	X			X
<i>Leucosomus corporalis</i>												
<i>Catanotus f. flabellaris</i>			X	X				X				
<i>Cottus b. bairdii</i>			X	X								
<i>Ambloplites r. rupestris</i>					X	X					X	X
<i>Camptostomas a. anomalum</i>						X						
<i>Hypentelium nigricans</i>							X					
<i>Notropis a. ardens</i>								X	X			
<i>Notropis hudsonius amarus</i>										X	X	X
<i>Hyborhynchus notatus</i>											X	X
<i>Lepomis auritus</i>												X

Burton &  
Odum, 1945,  
Ecology 26:

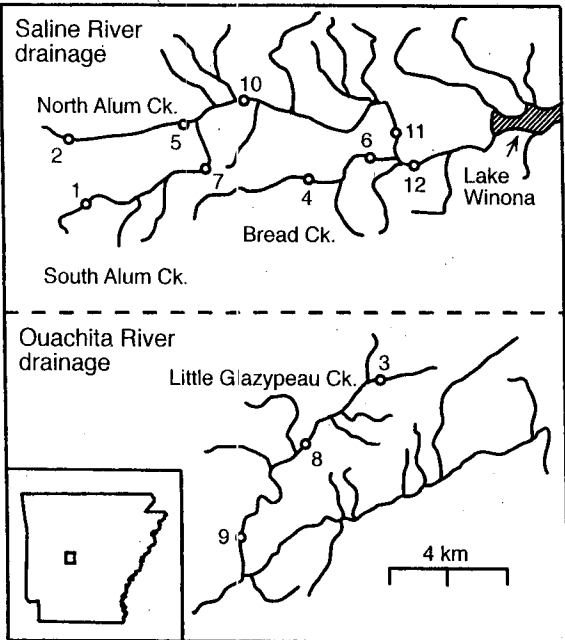


FIG. 1. Map showing the 12 sampled localities in south-central Arkansas. Stream locality numbers correspond to rank in catchment area. The dashed line indicates that the geographic proximity of the two creeks is not as shown. Both streams are tributaries to the Red River drainage system.

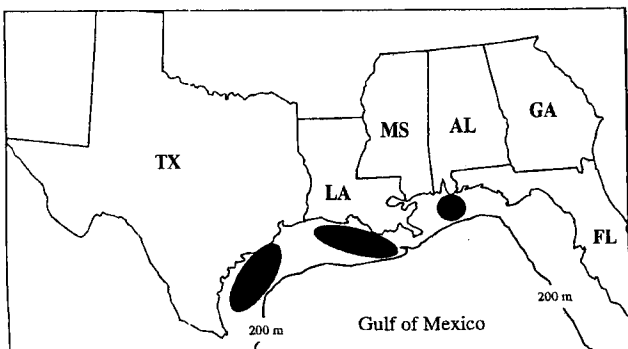


Fig. 1 Collection localities (black circles) of Gulf red snapper (*Lutjanus c. ampechanus*) from waters offshore of Dauphin Island (Alabama), Port Fourchon (Louisiana), and Port Aransas (Texas)

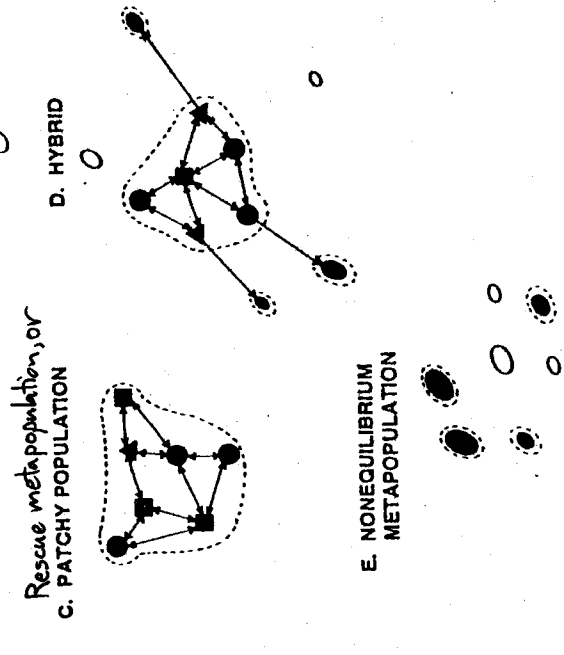
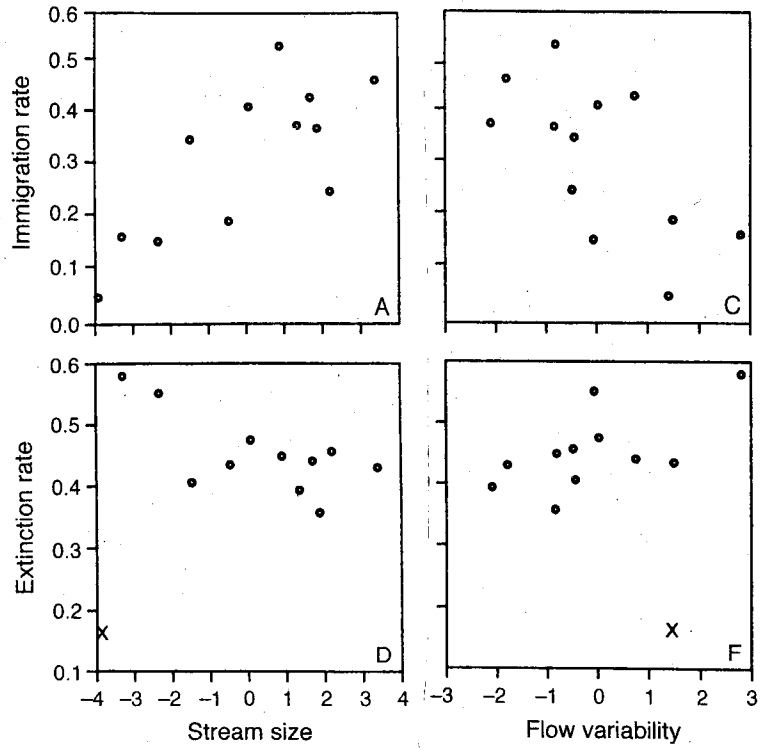
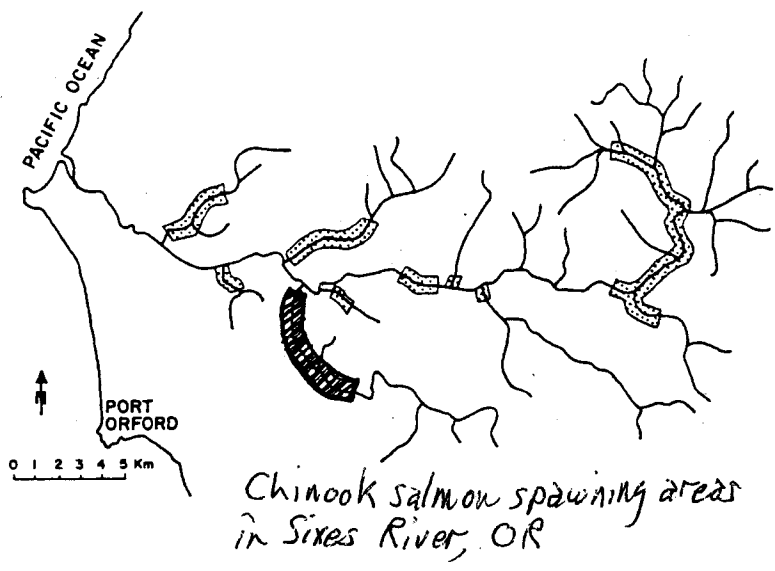


FIGURE 2.—Five models of spatial variation in population processes (adapted from Harrison 1991). Symbols represent habitat patches that are occupied (solid) or vacant (open). Arrows indicate migration (colonization) and dashes indicate the boundaries of "populations."



Schlesser & Angermeier 1995

Taylor & Warren, 2001. Ecology 82:



Chinook salmon spawning areas in Sixes River, OR