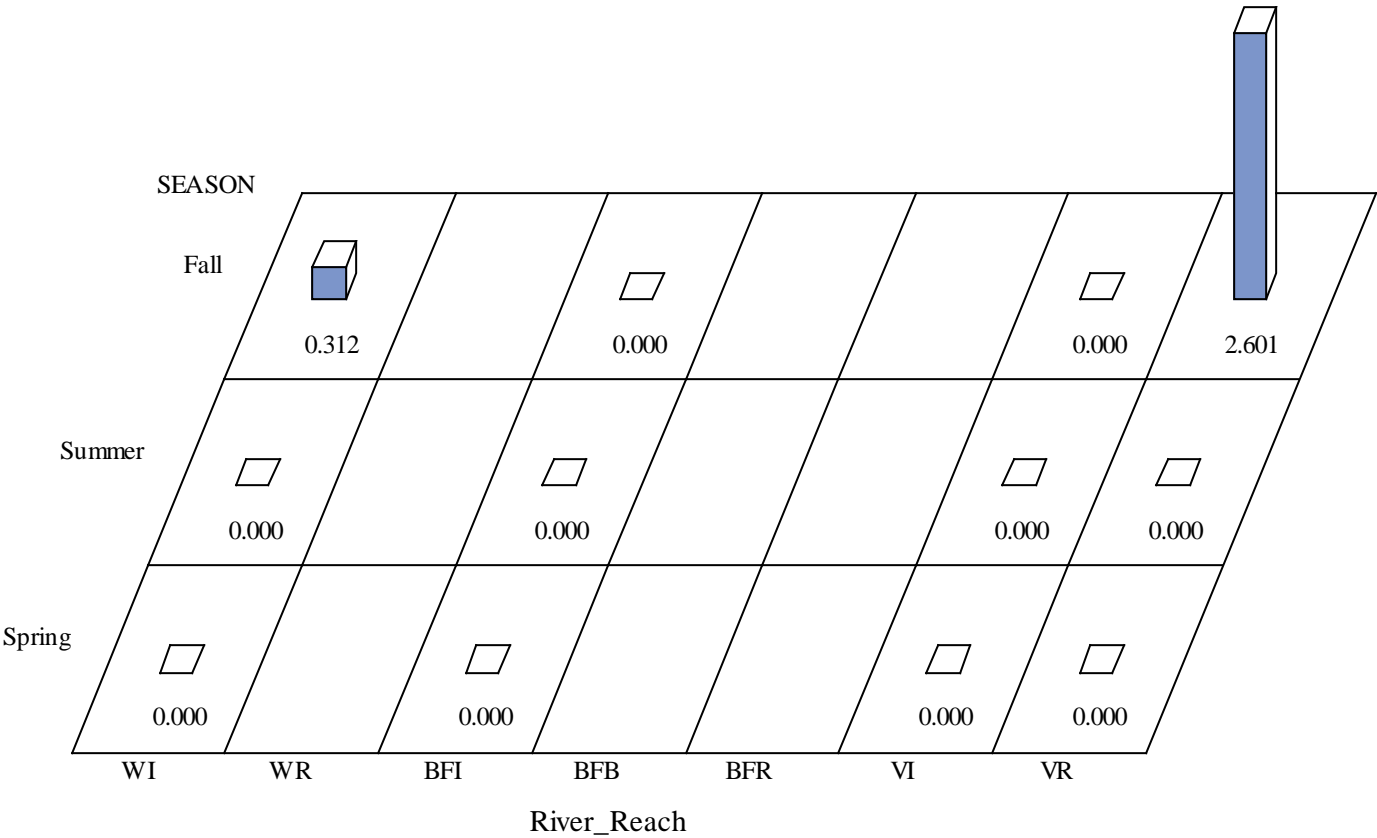
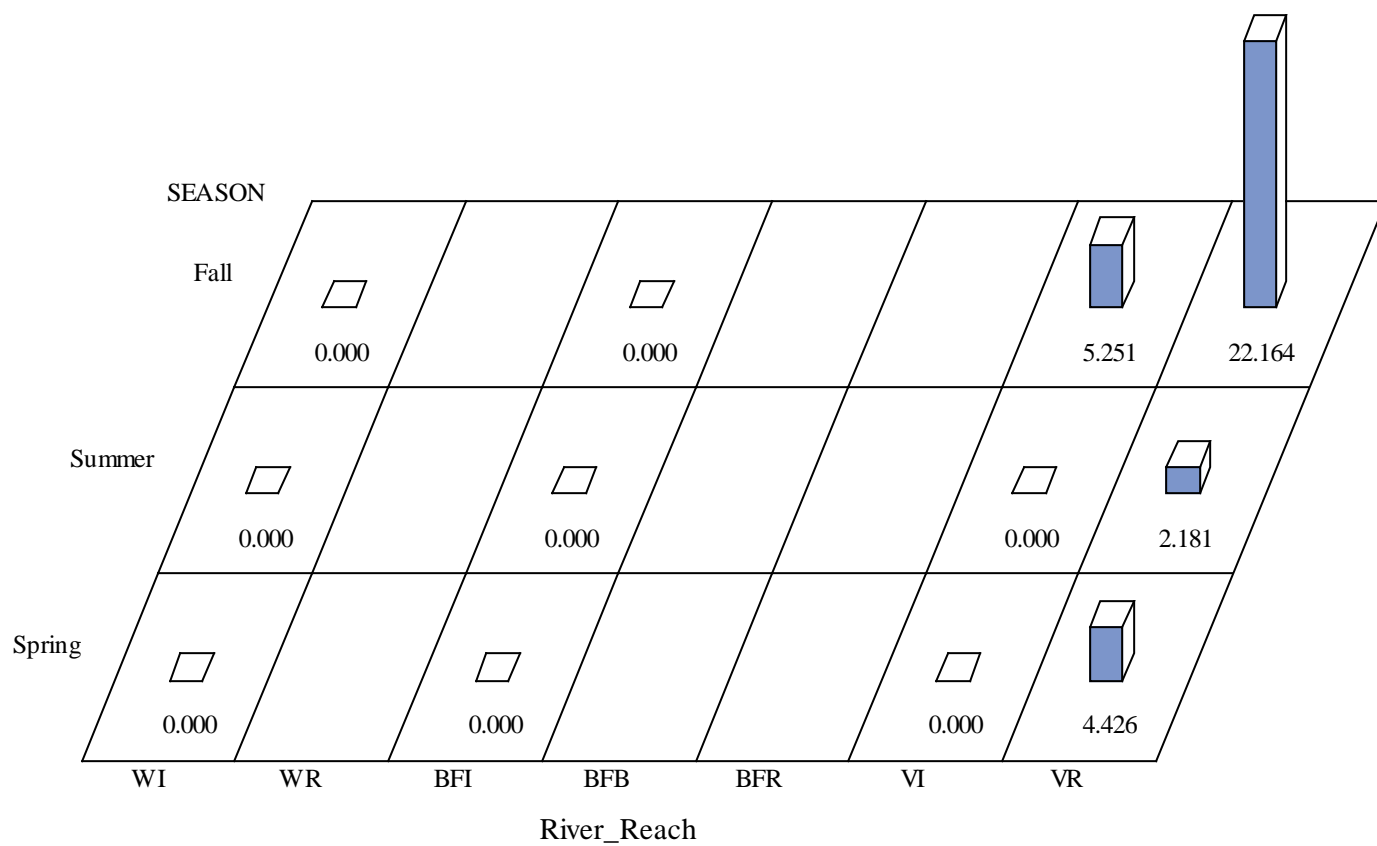


APPENDIX H

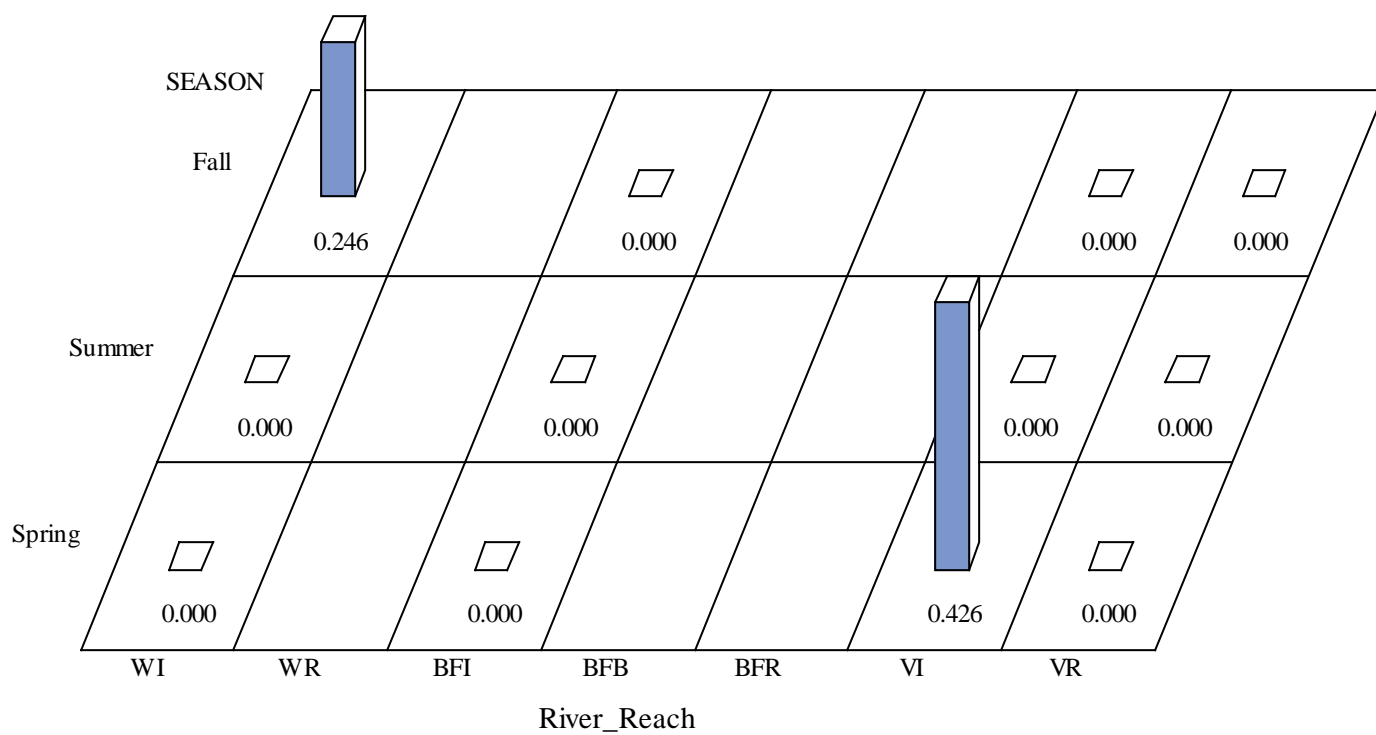
CPUE Values



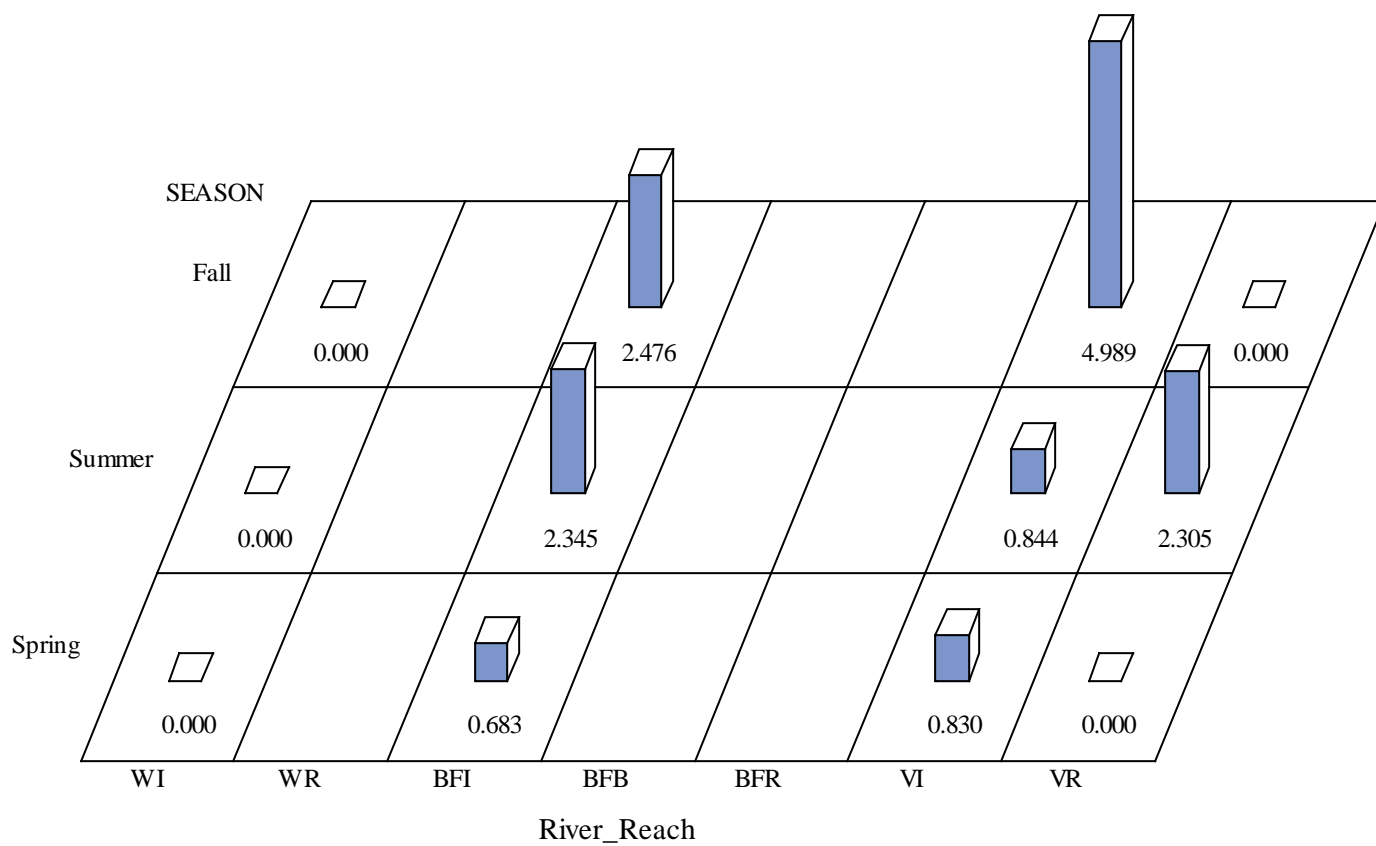
```
species=American shad
```



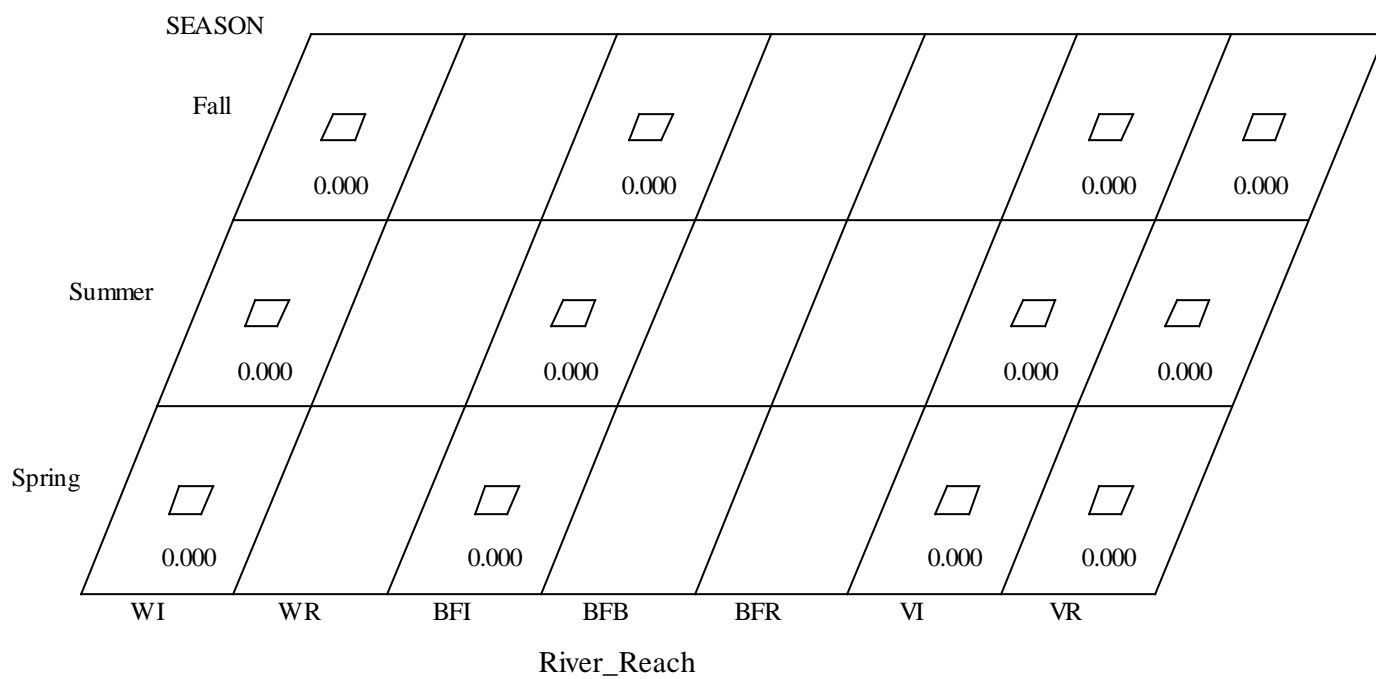
species=Banded killifish



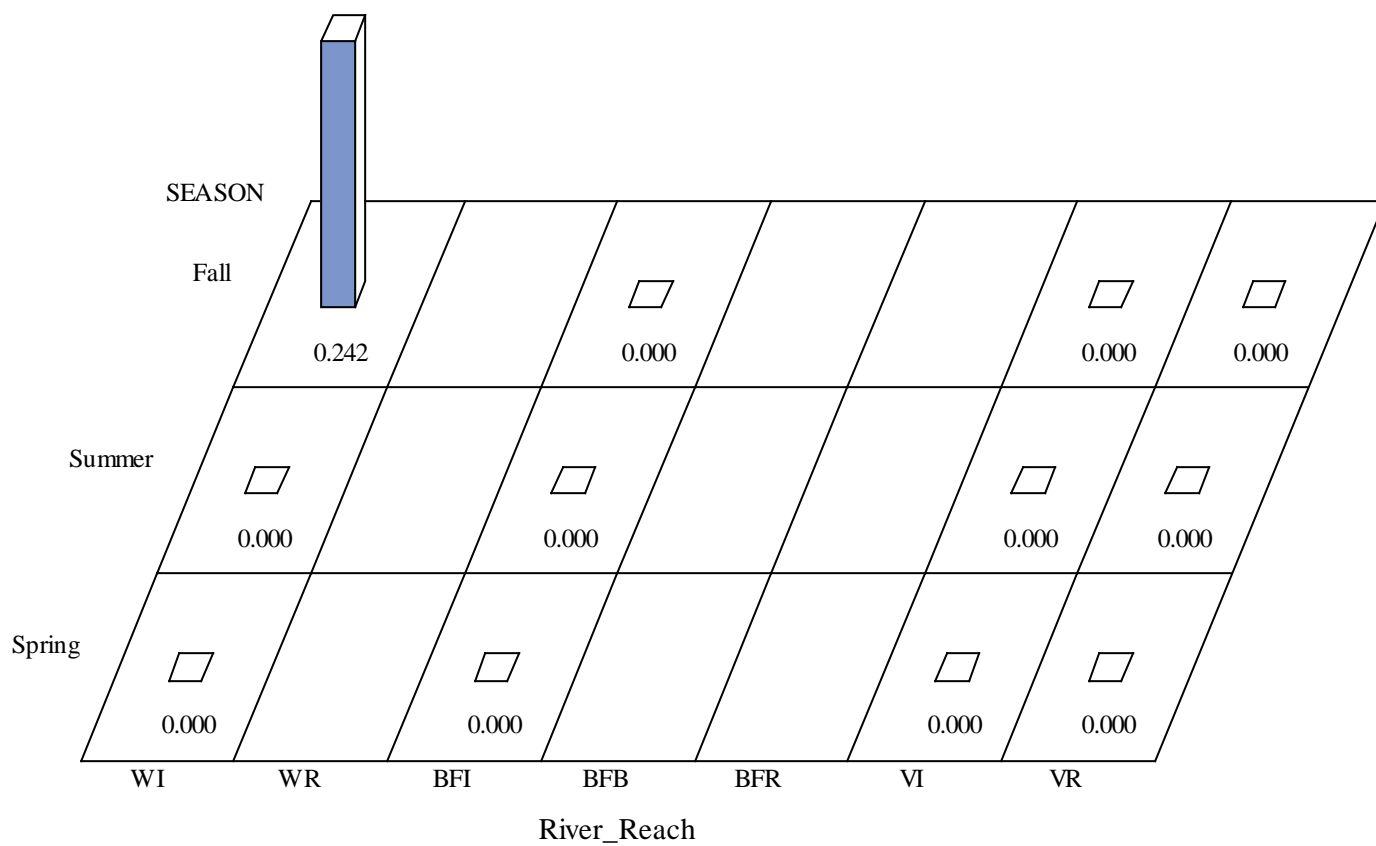
species=Black crappie



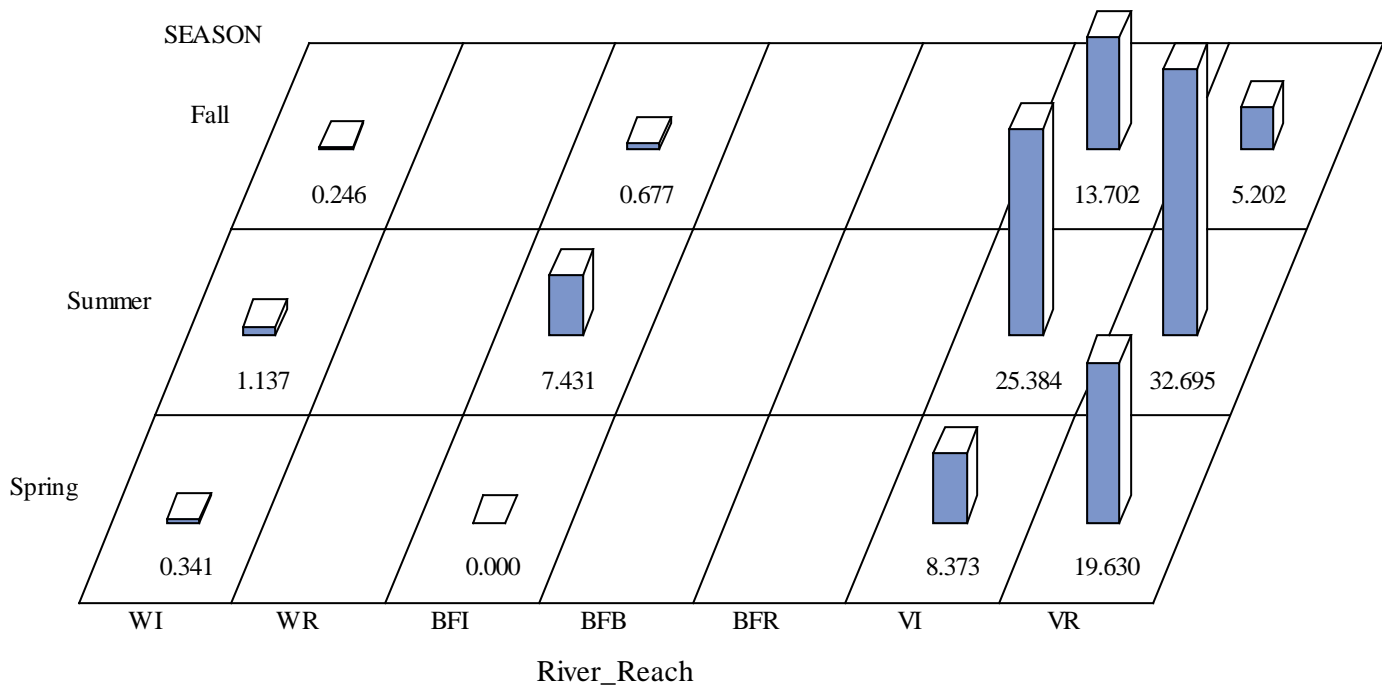
species=Blacknose dace



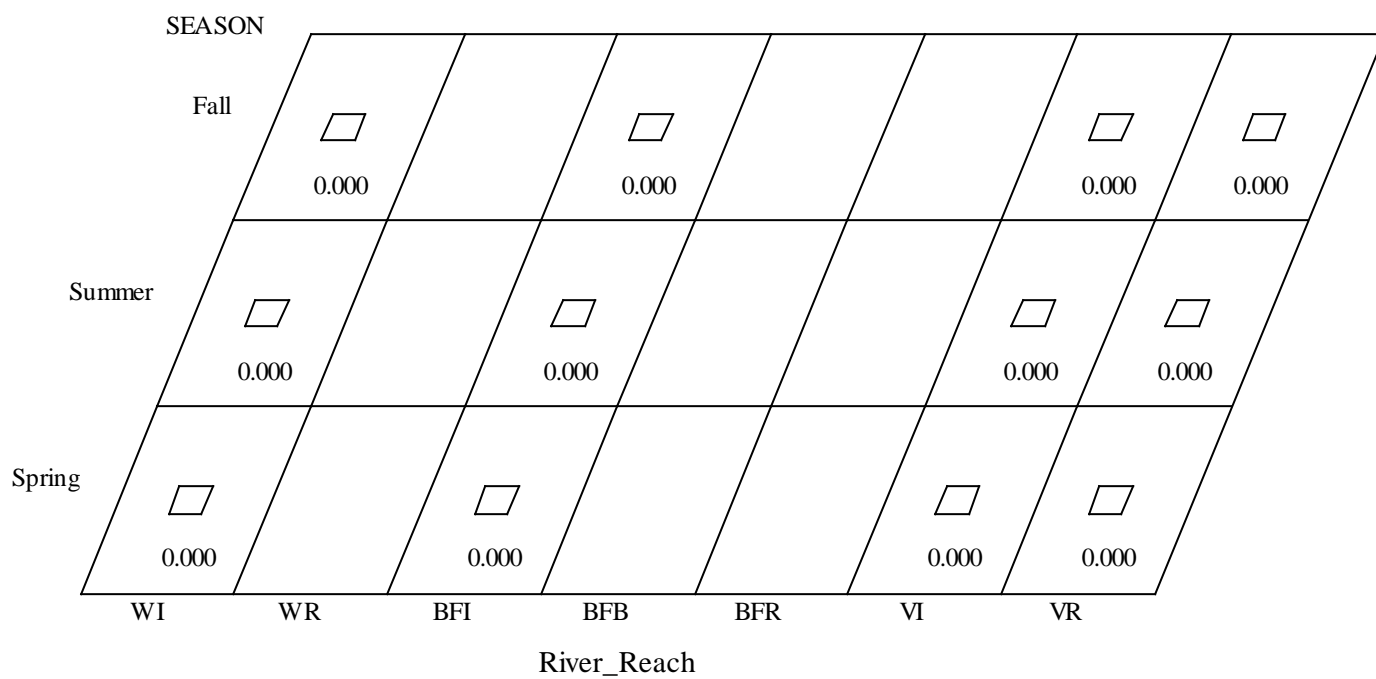
species=Blacknose shiner



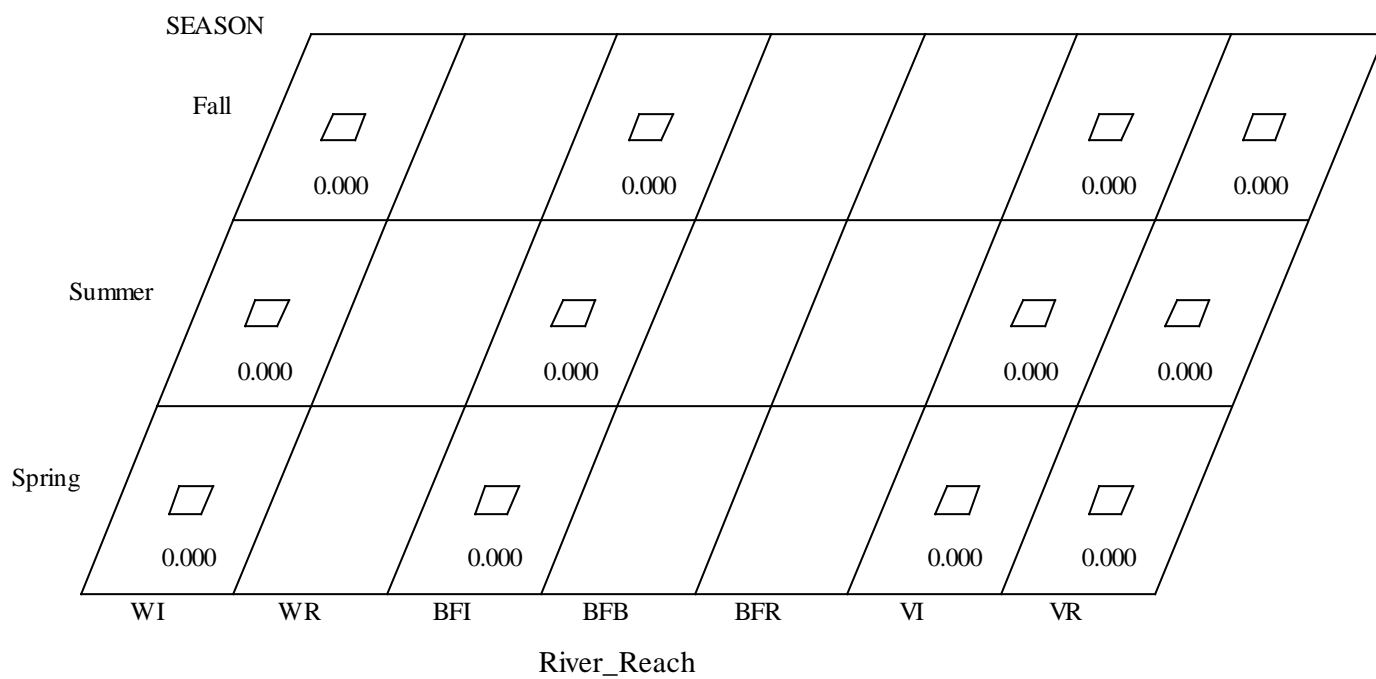
species=Bluegill



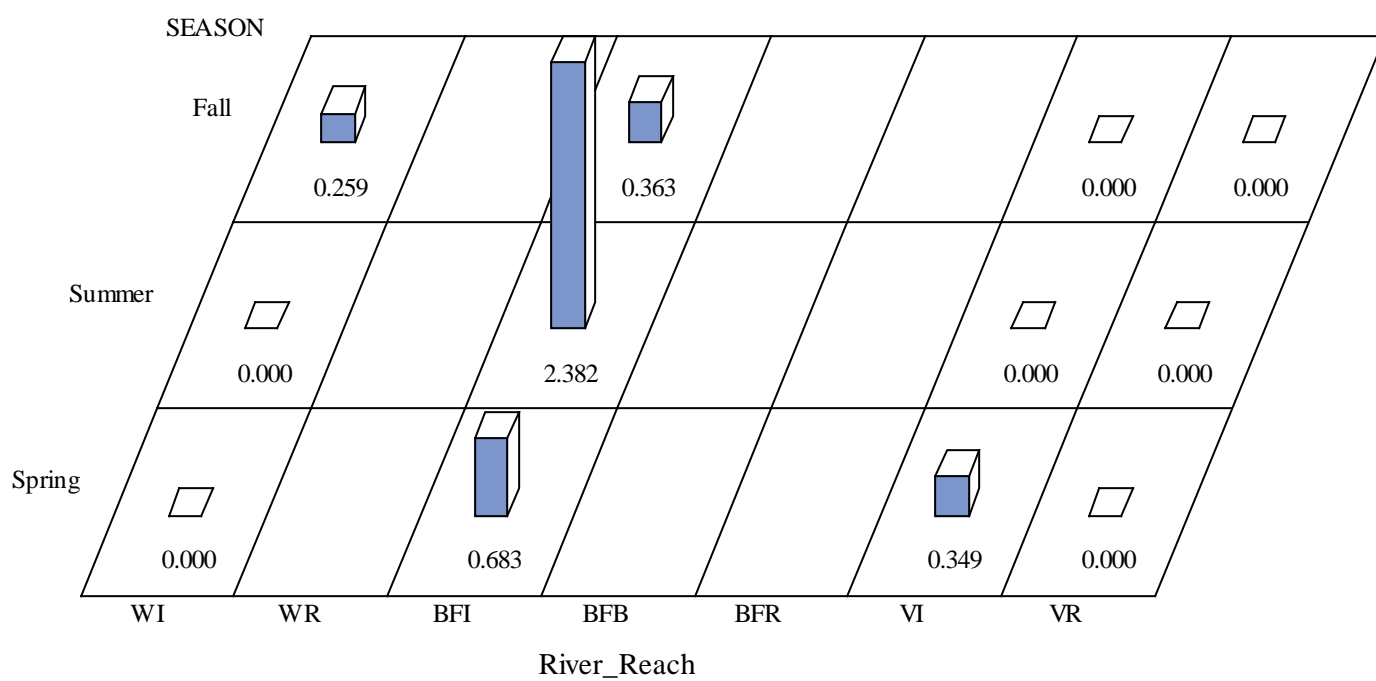
species=Bluntnose minnow



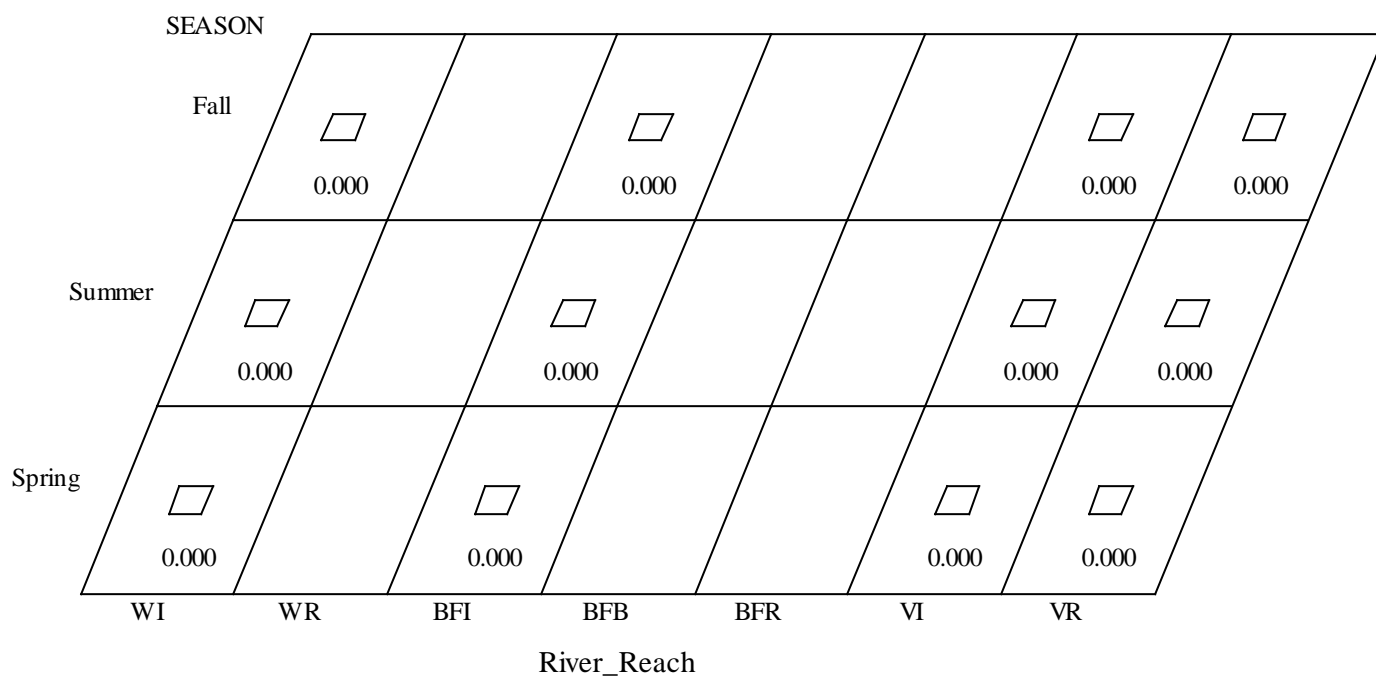
species=Brook trout



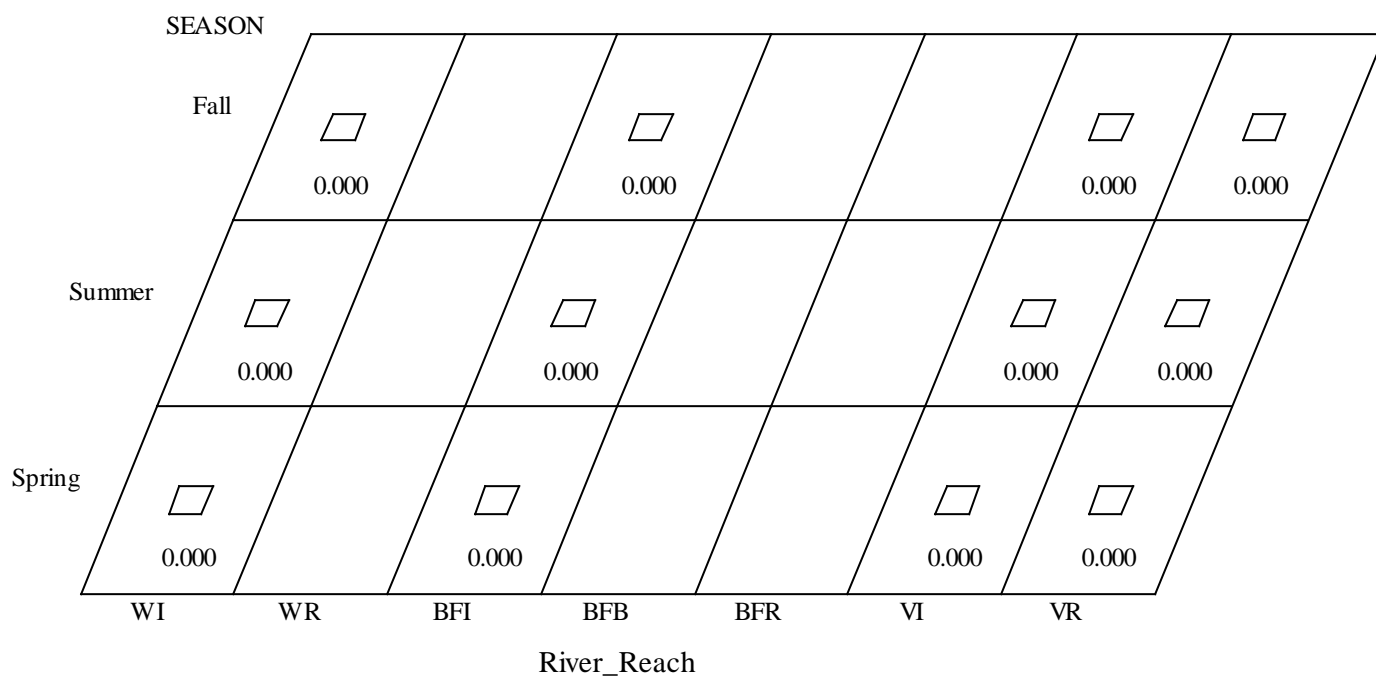
species=Brown bullhead



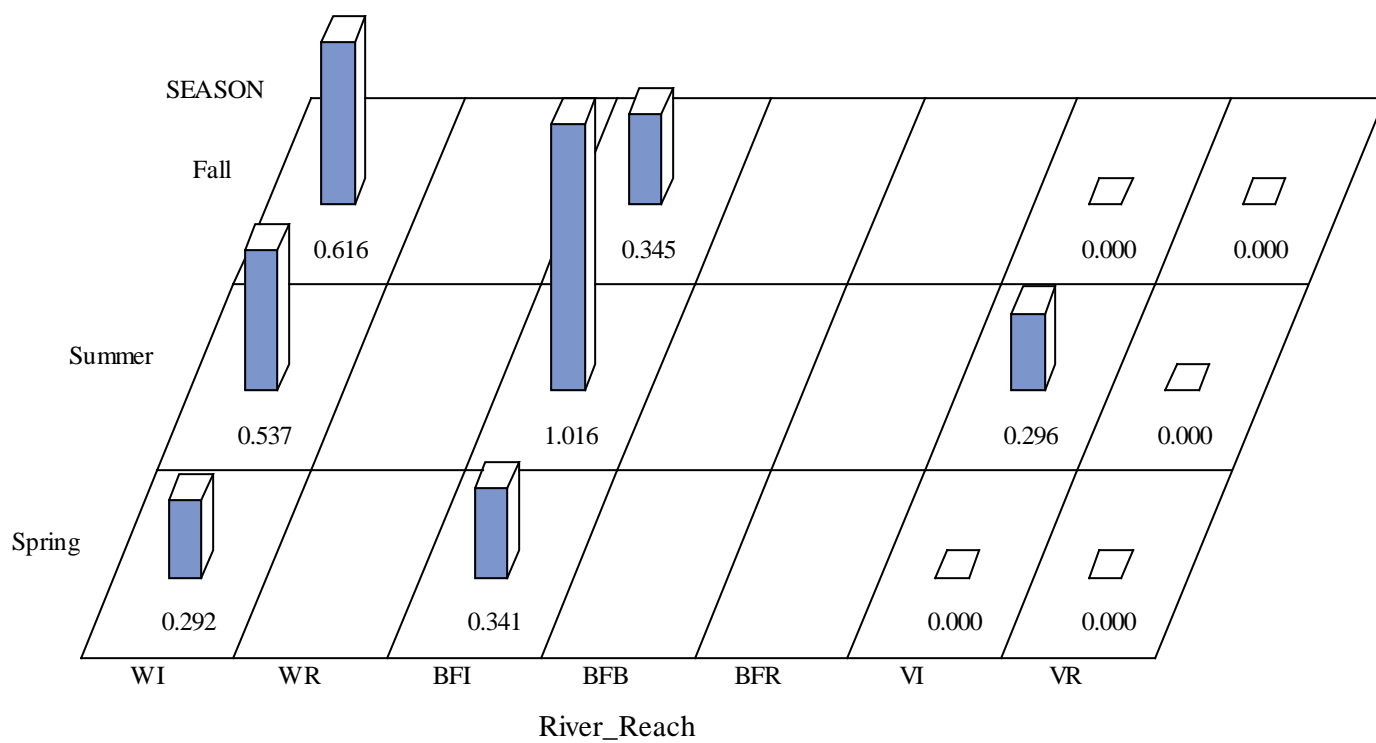
species=Brown trout



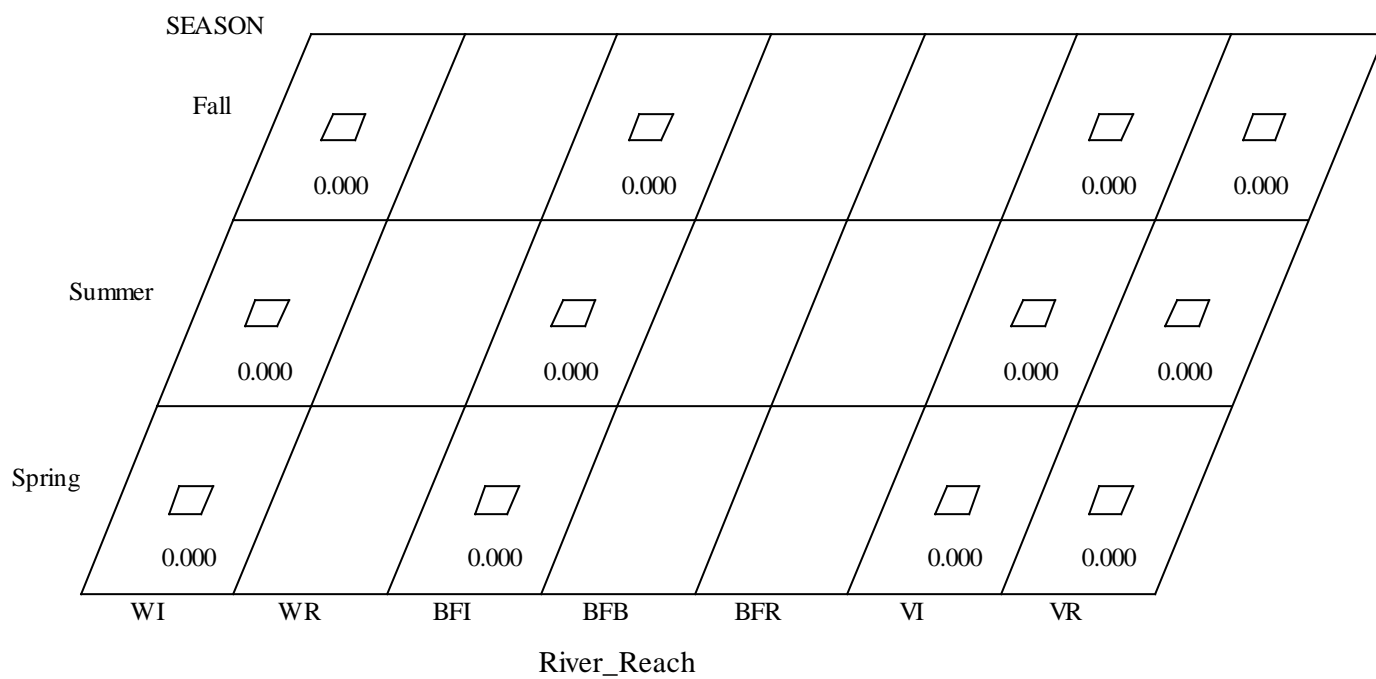
species=Burbot



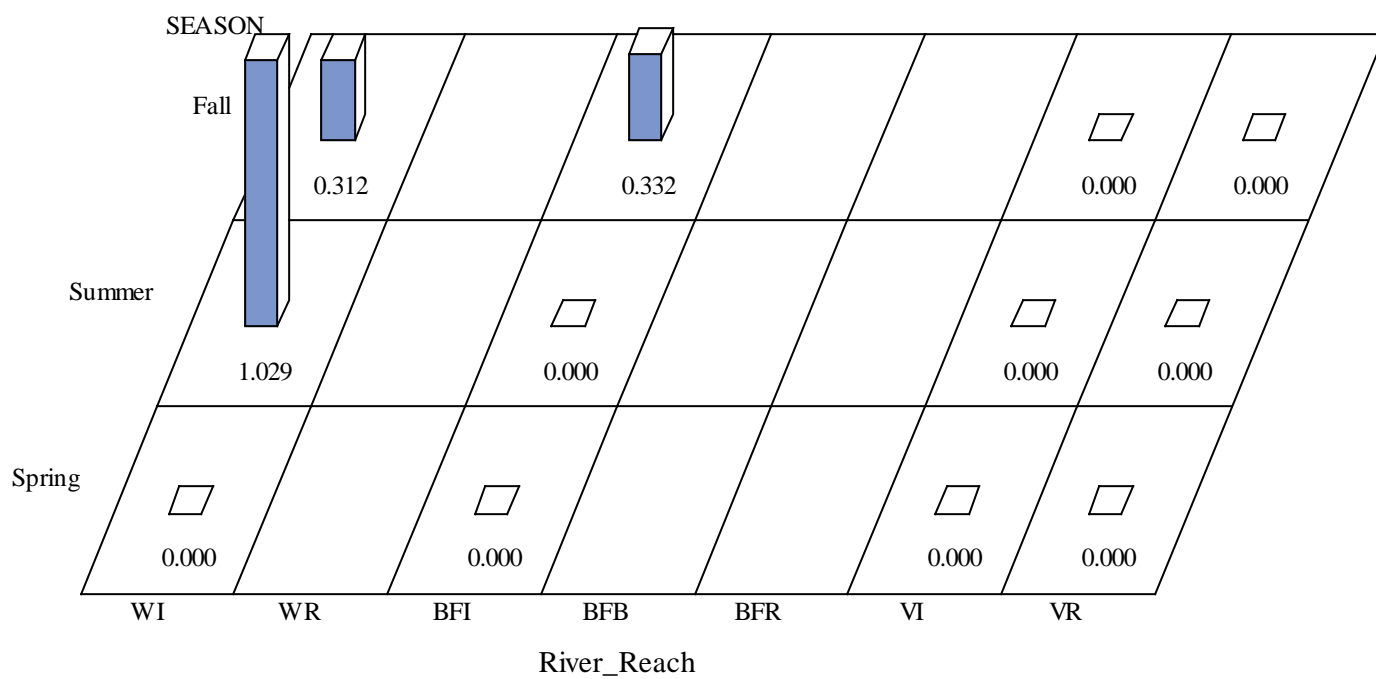
species=Chain pickerel



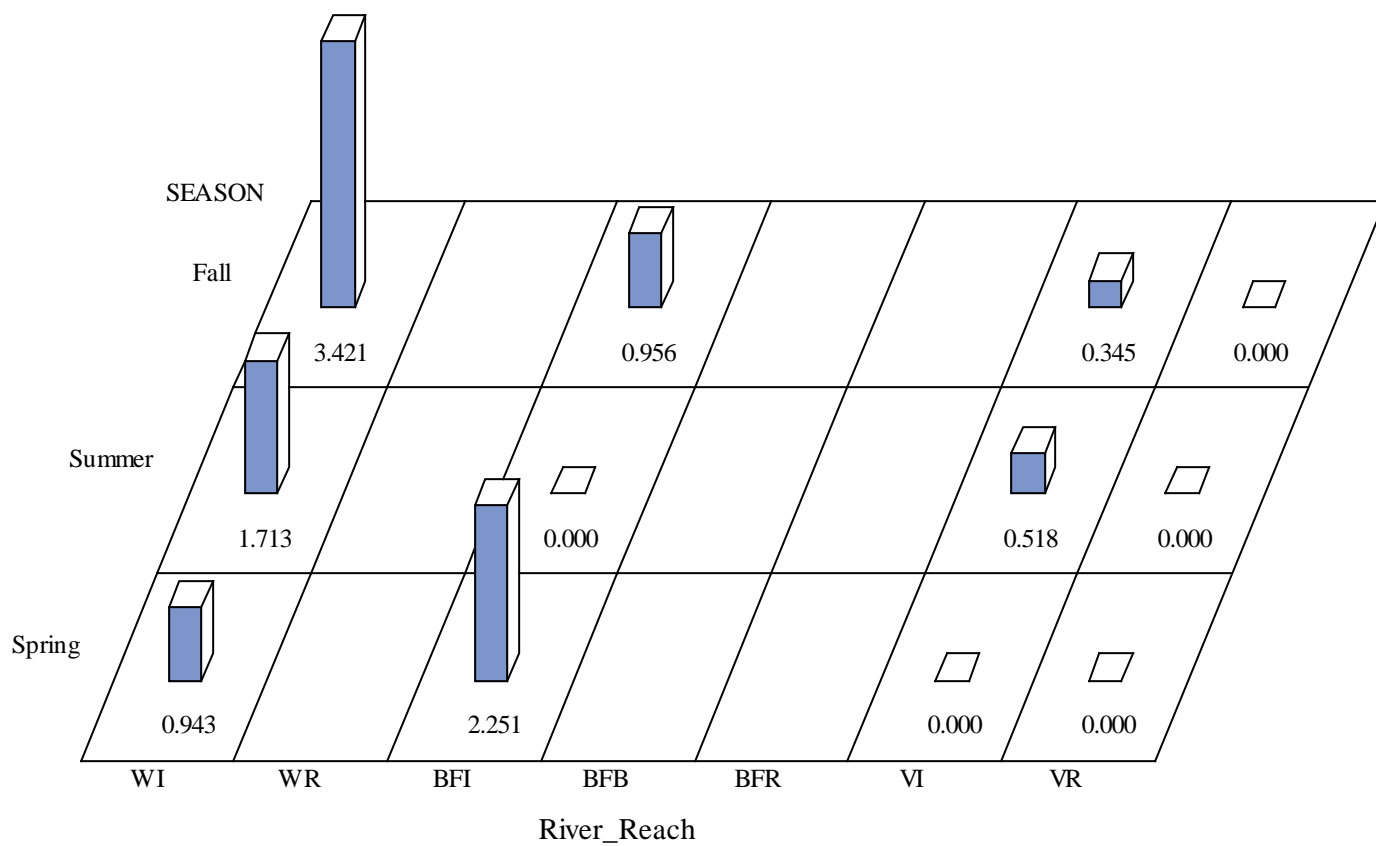
species=Channel catfish



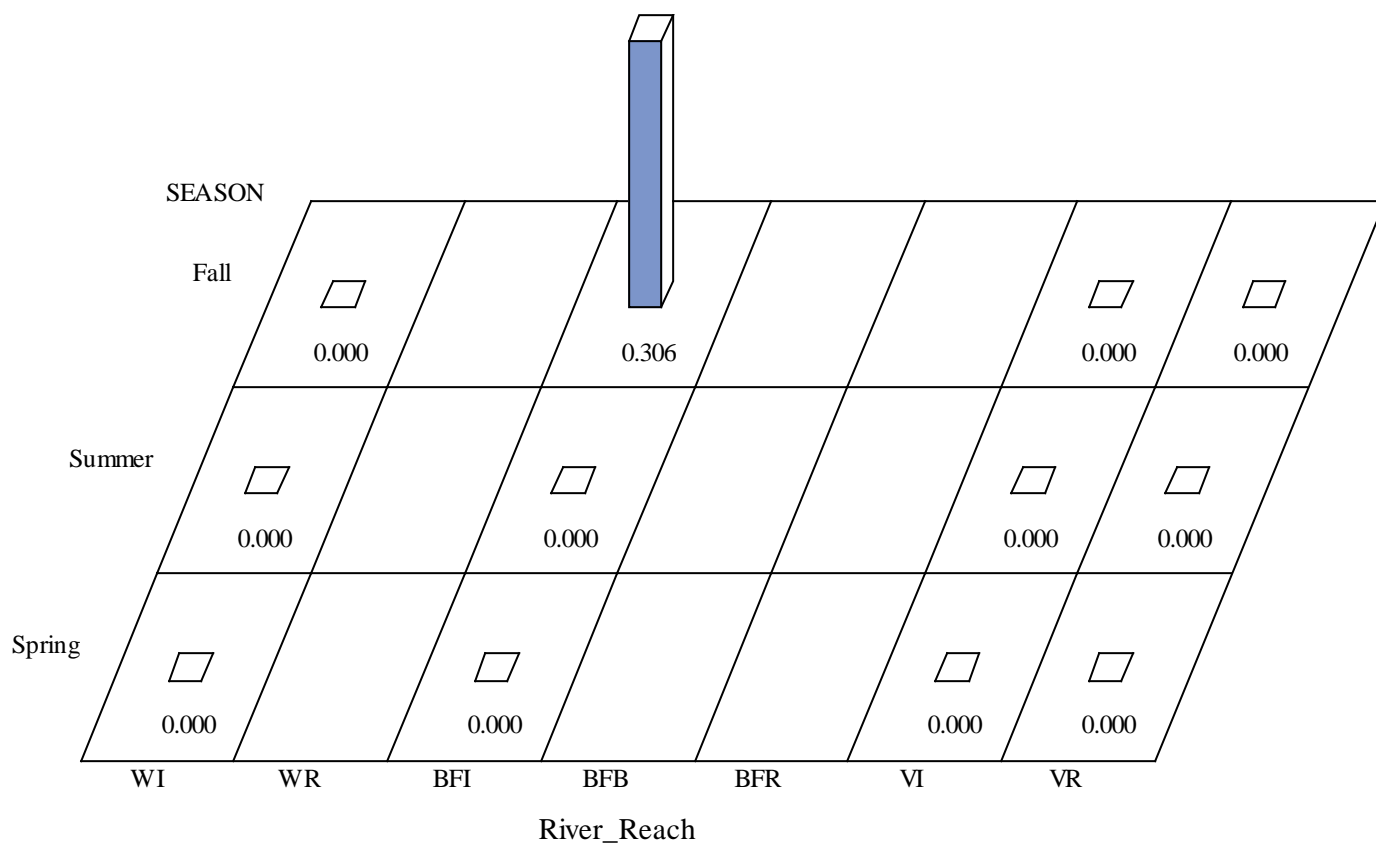

```
species=Common shiner
```



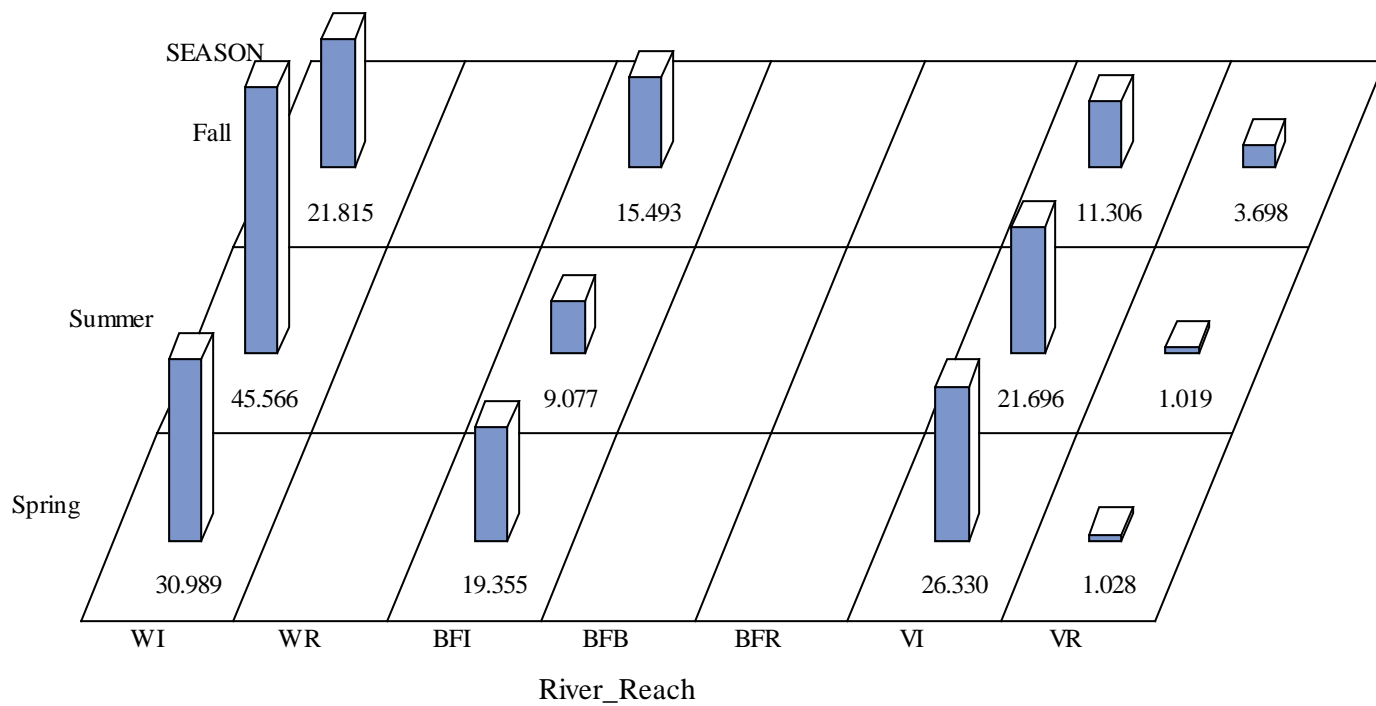
species=Creek chub



```
species=Cutlips minnow
```



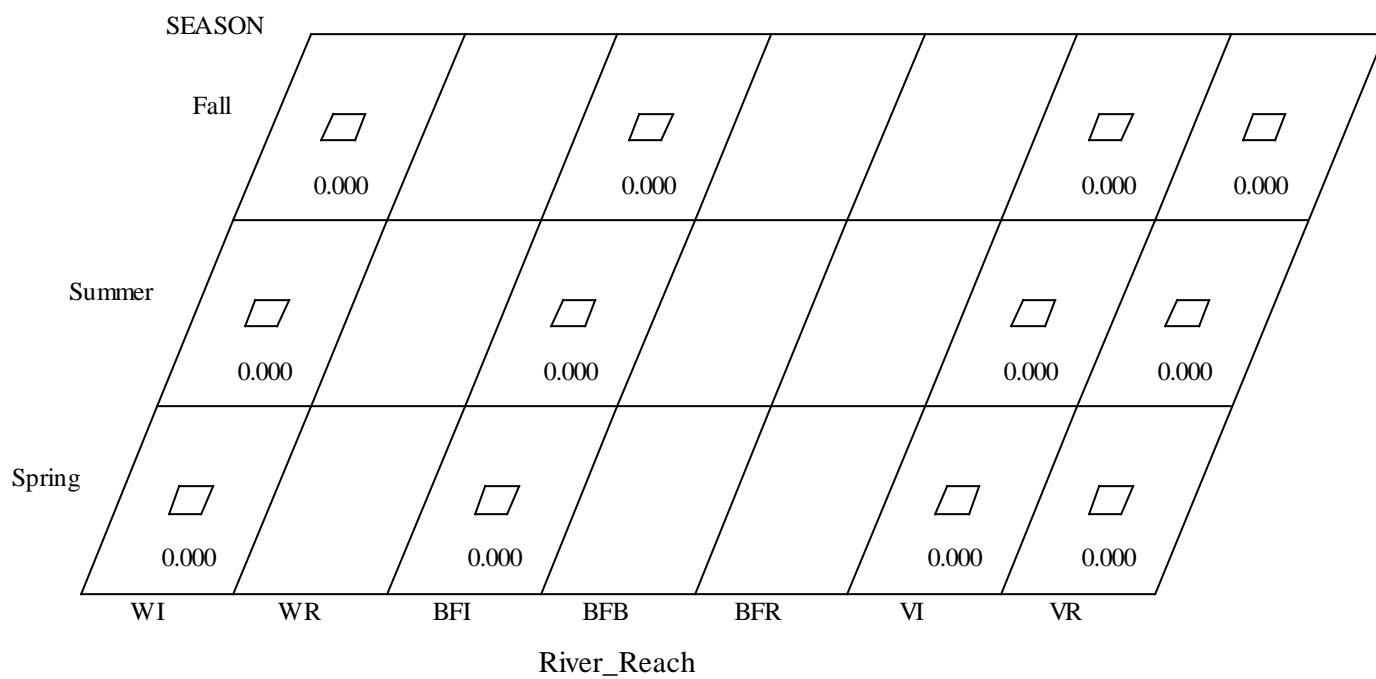
species=Fallfish



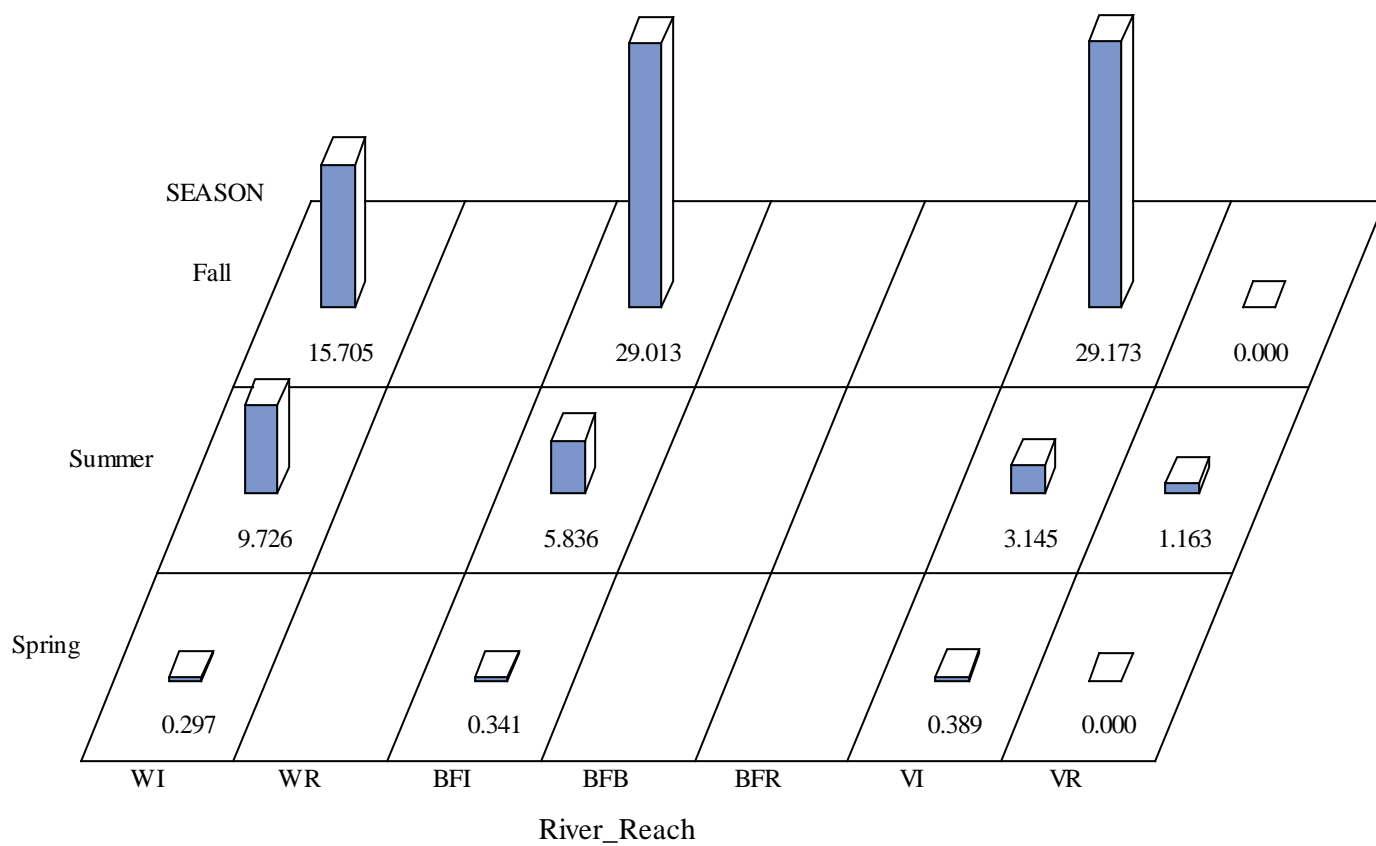
species=Fathead minnow

SEASON		River_Reach							
Fall	0.000	WR		BFI		BFR		VR	
		WI	BFB	VI	VR				
Summer	0.000	WR		BFI		BFR		VR	
		WI	BFB	VI	VR				
Spring	0.000	WR		BFI		BFR		VR	
		WI	BFB	VI	VR				

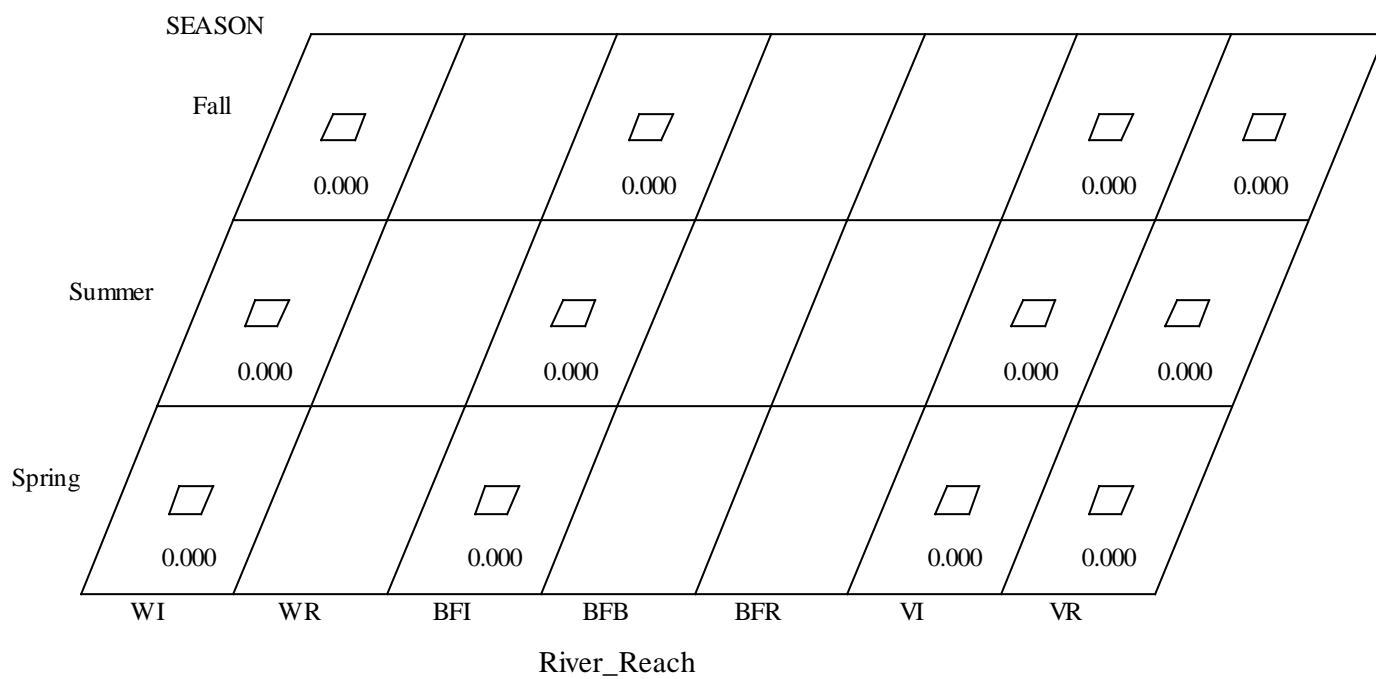
species=Finescale dace



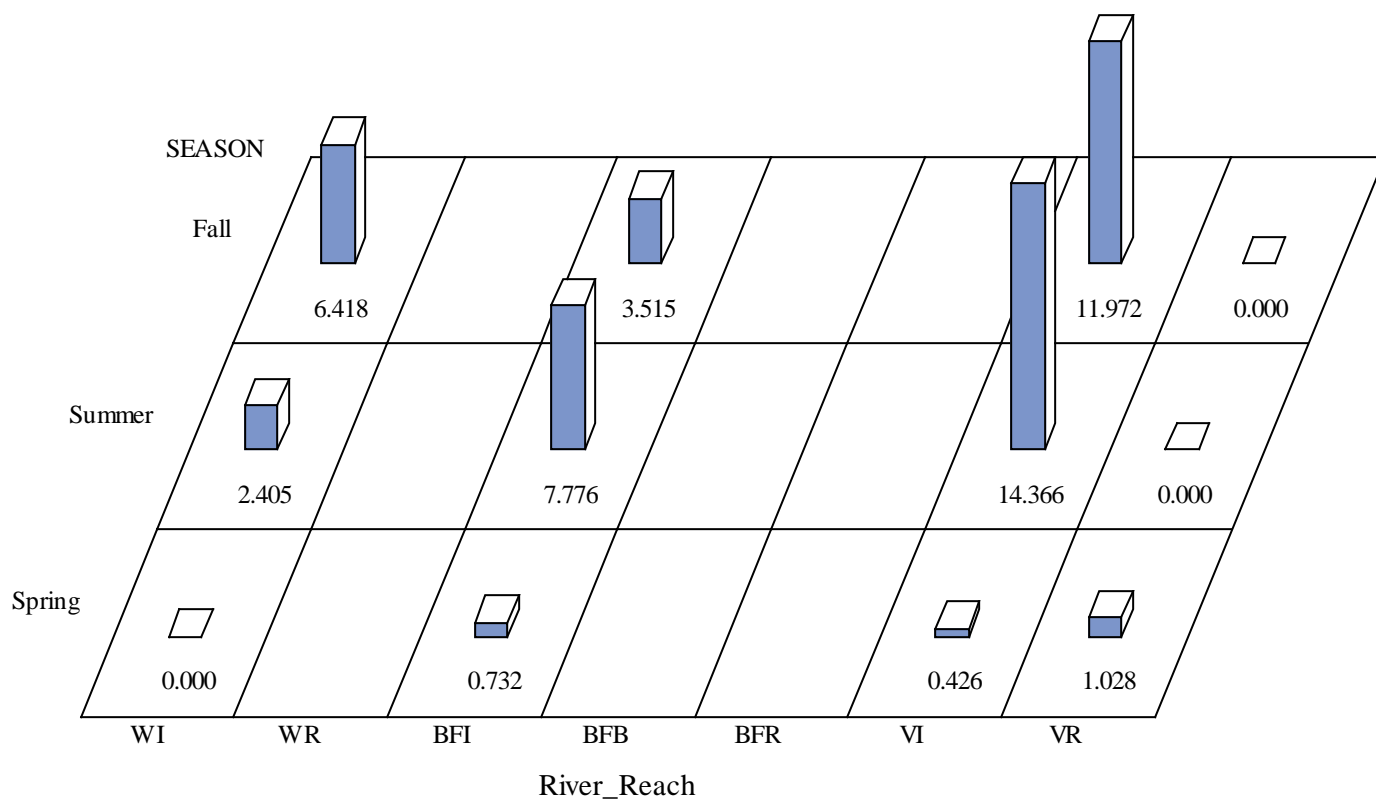
species=Golden shiner



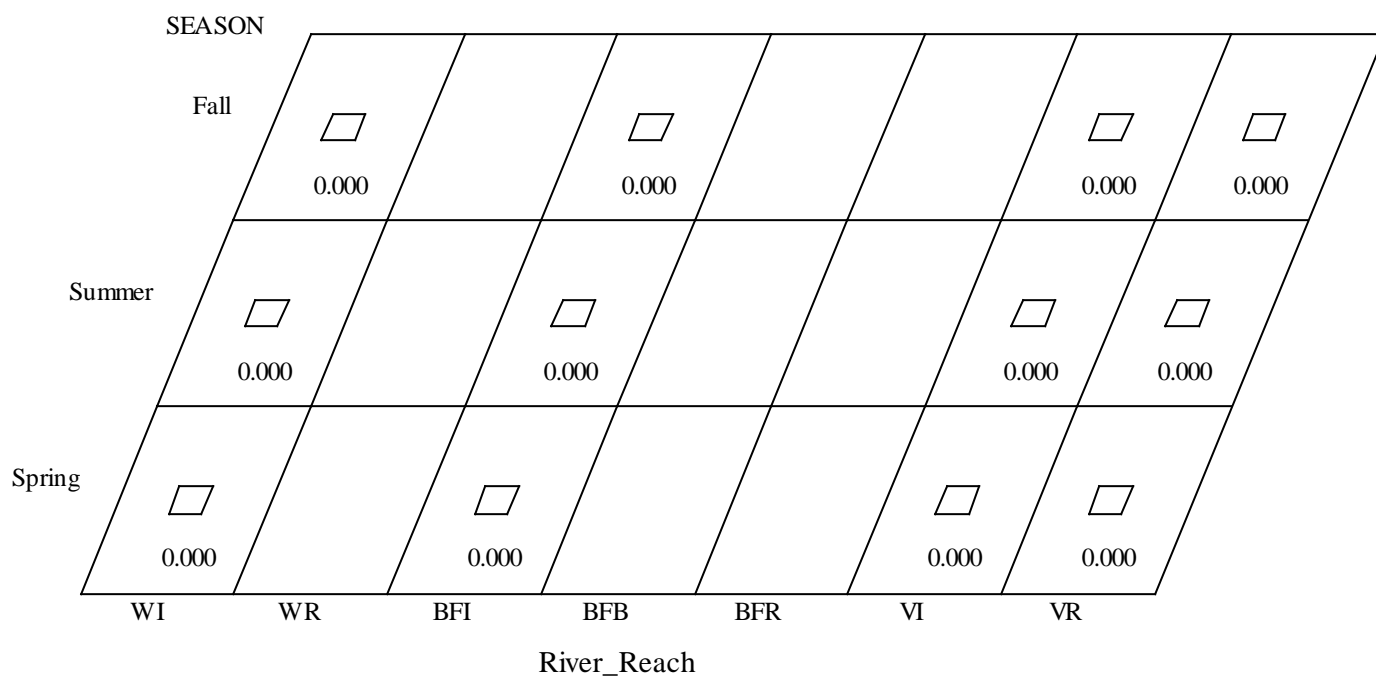
species=Lake chub



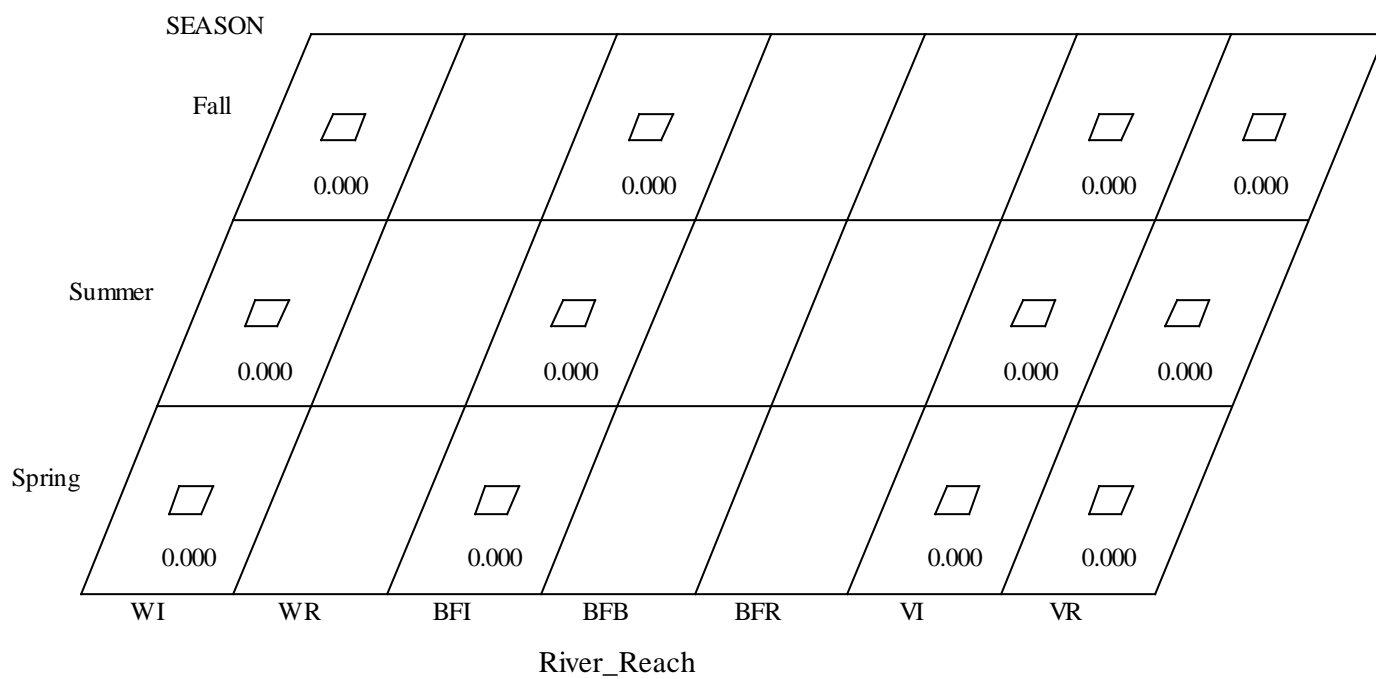
species=Largemouth bass



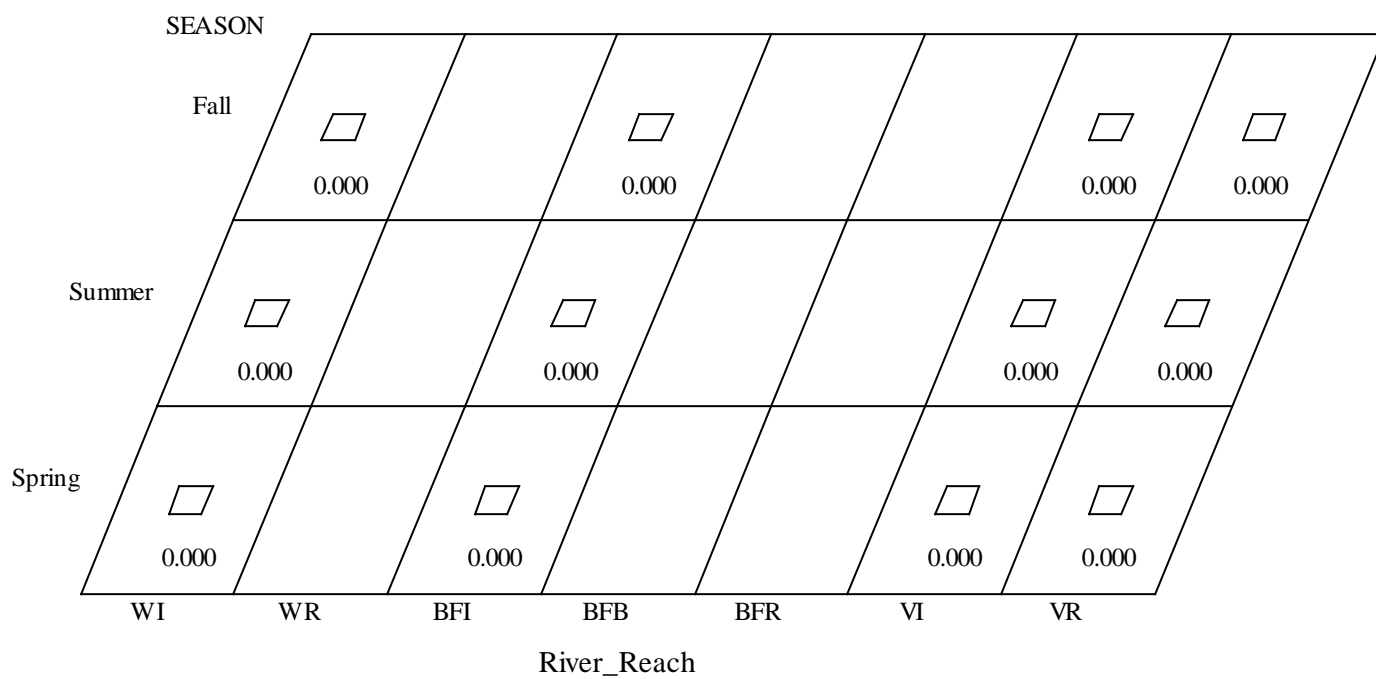
species=Longnose dace



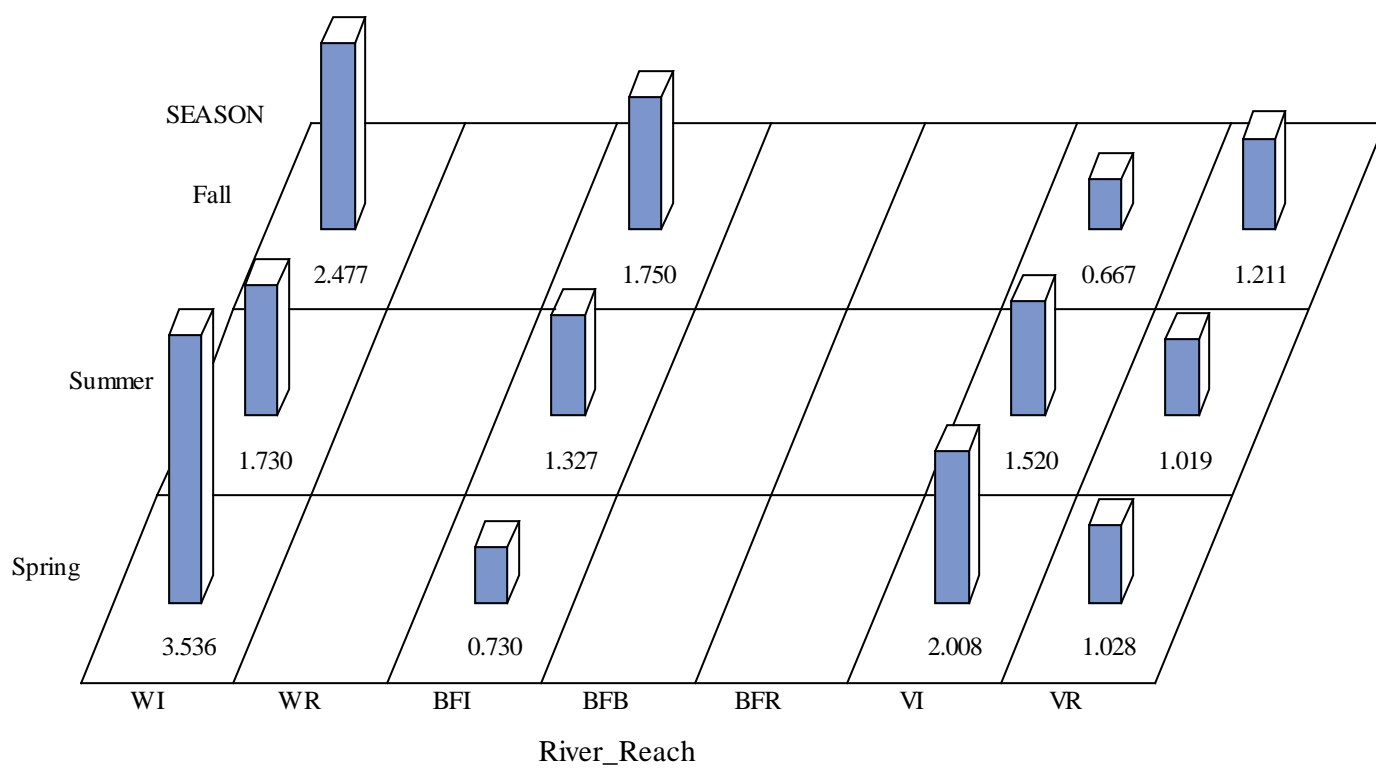
species=Longnose sucker



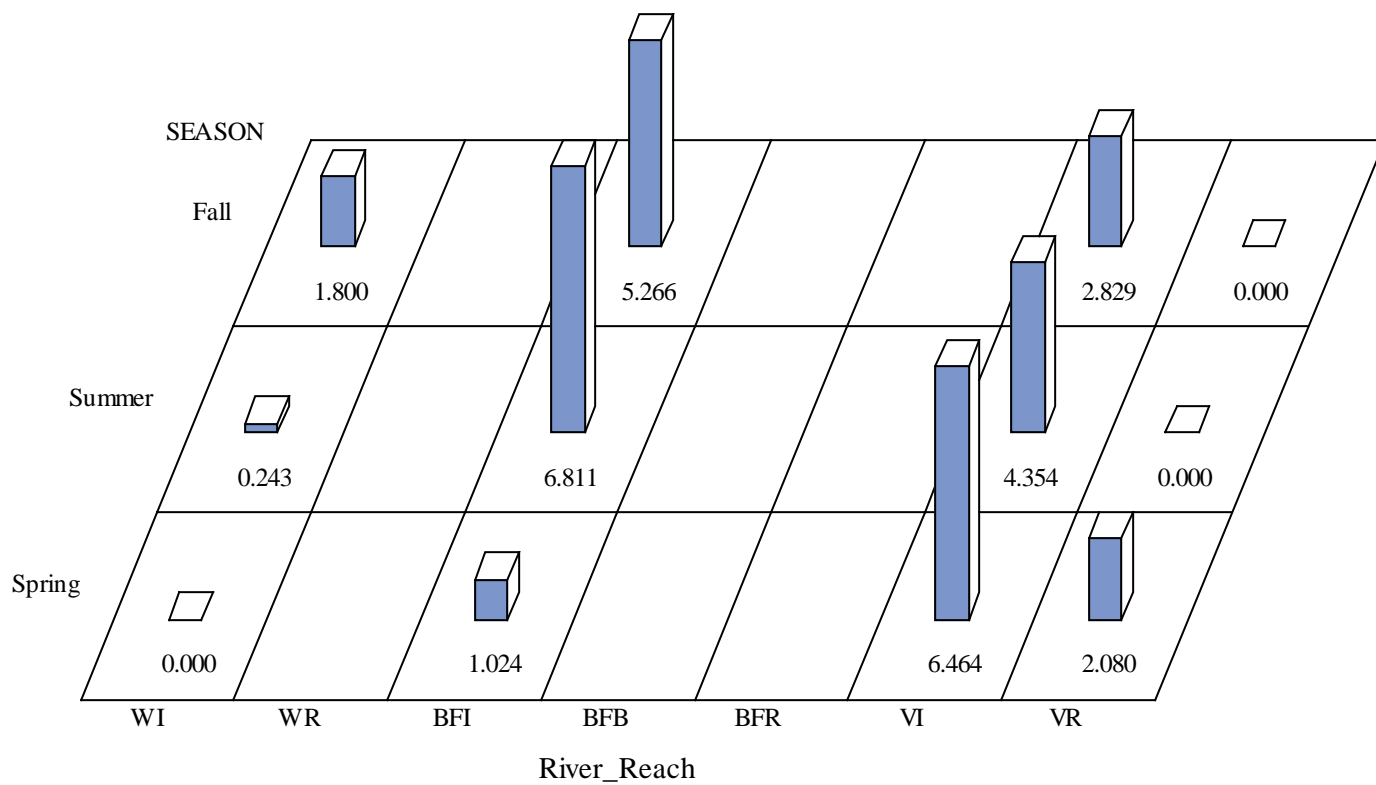
species=Mimic shiner



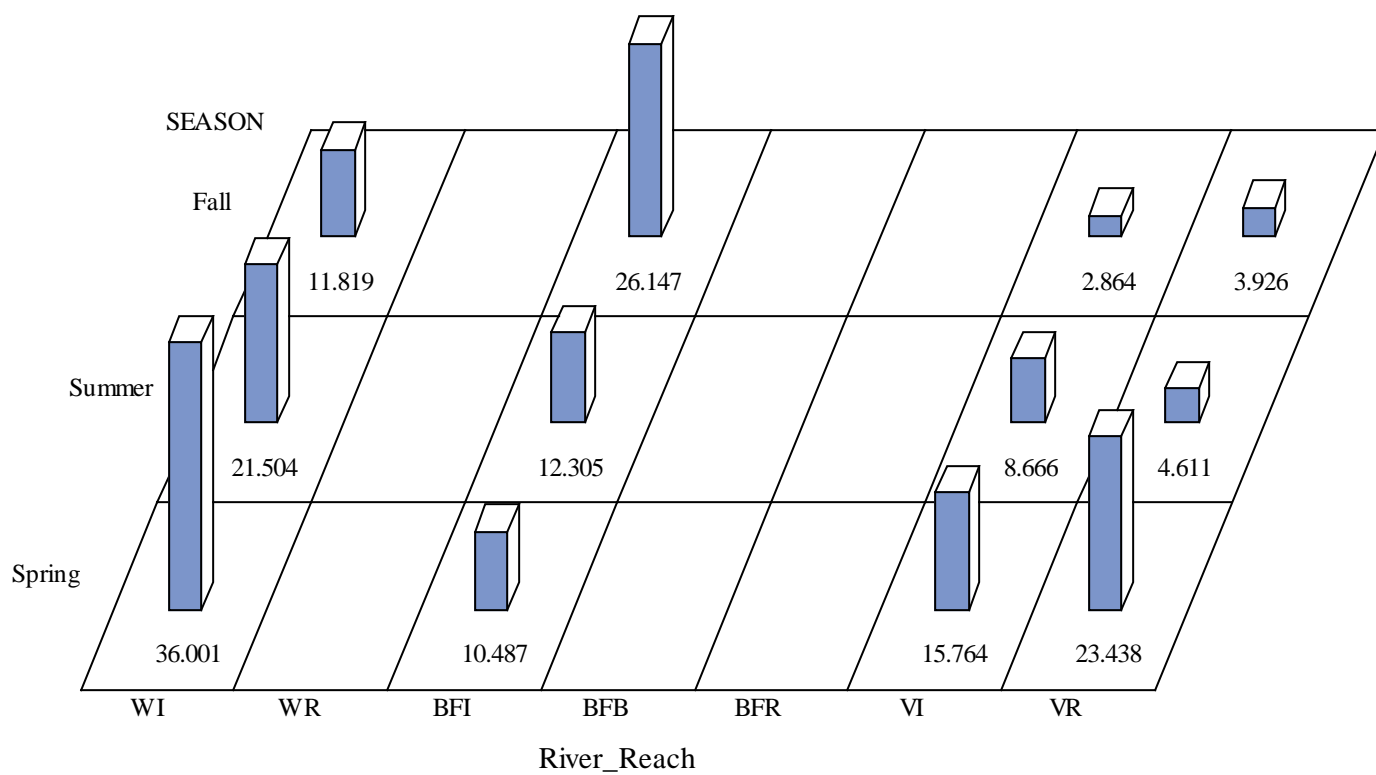
species=Northern pike



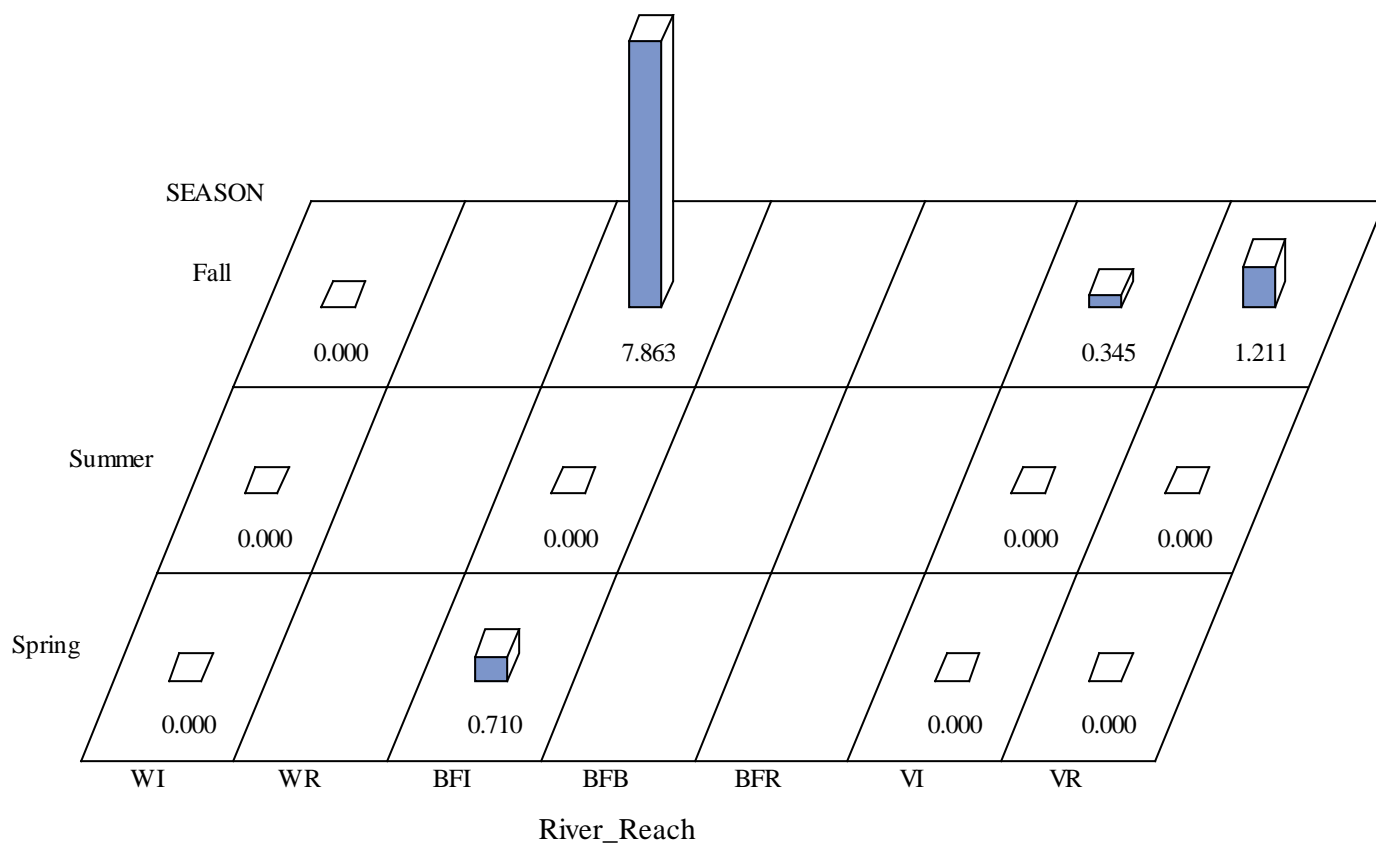
species=Pumpkinseed



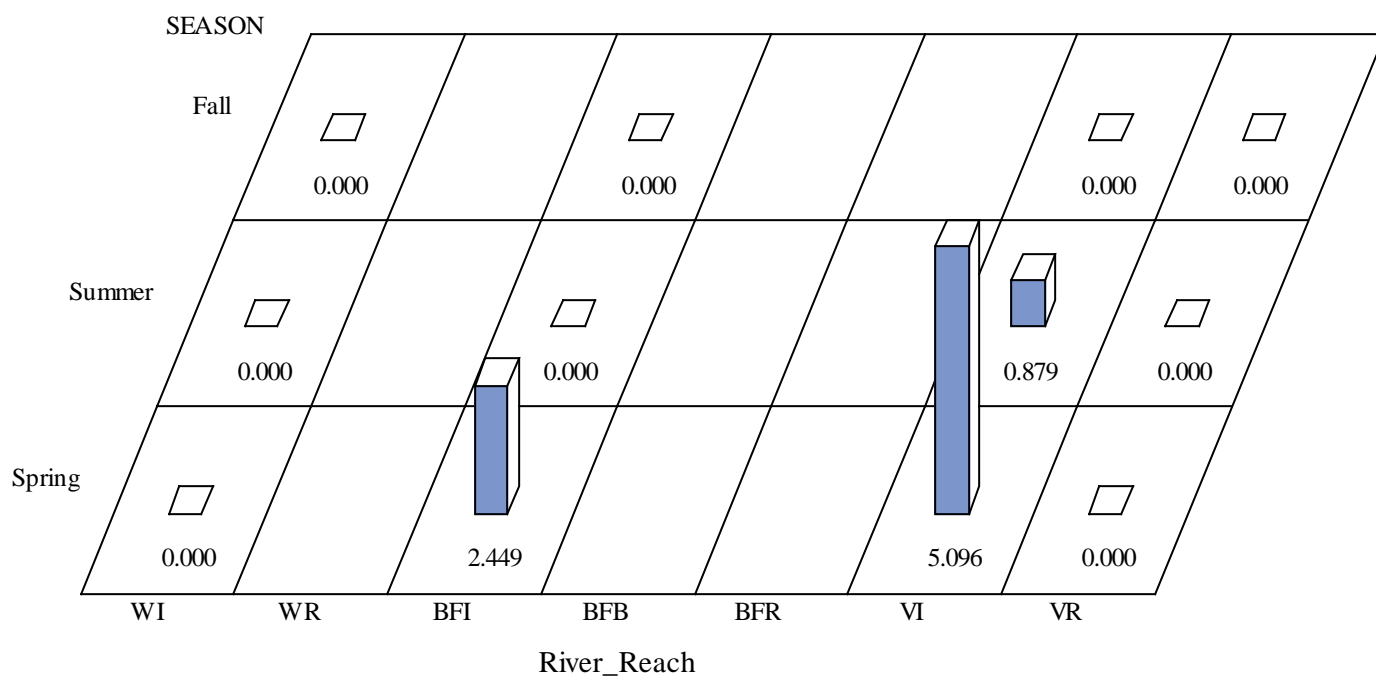
species=Rock bass



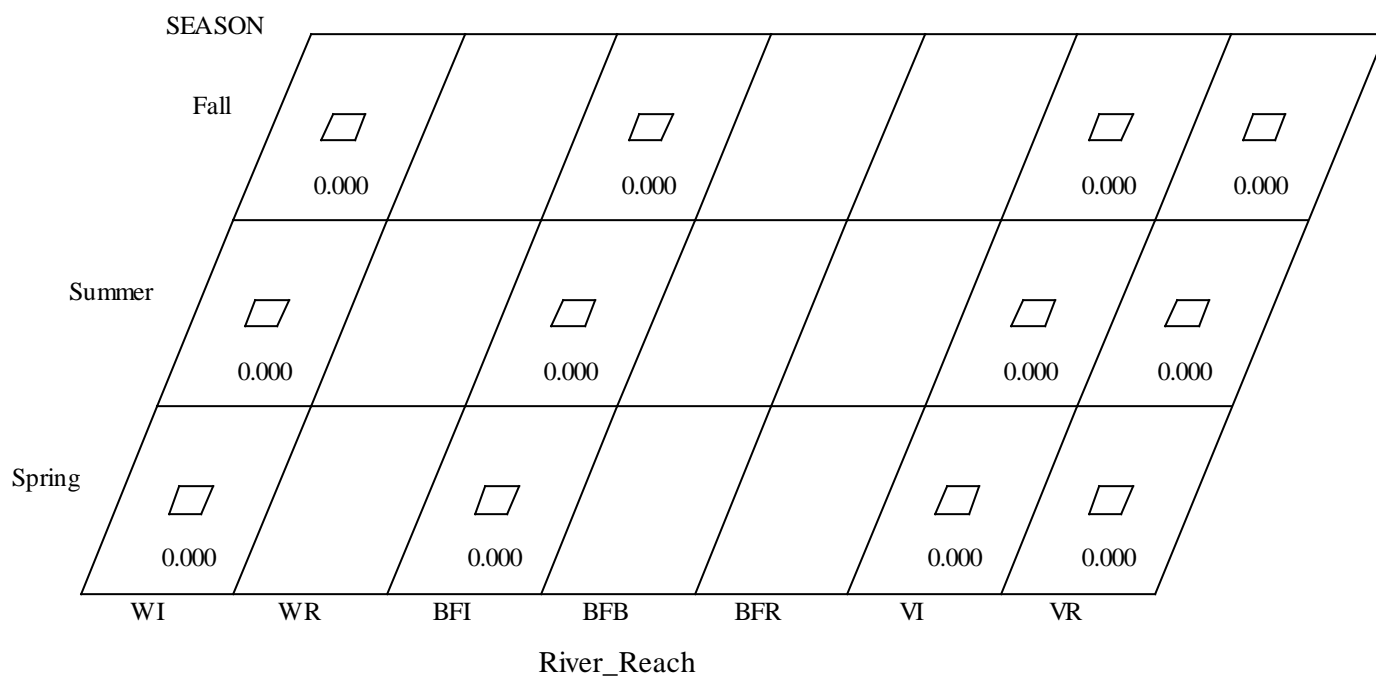
species=Rosyface shiner



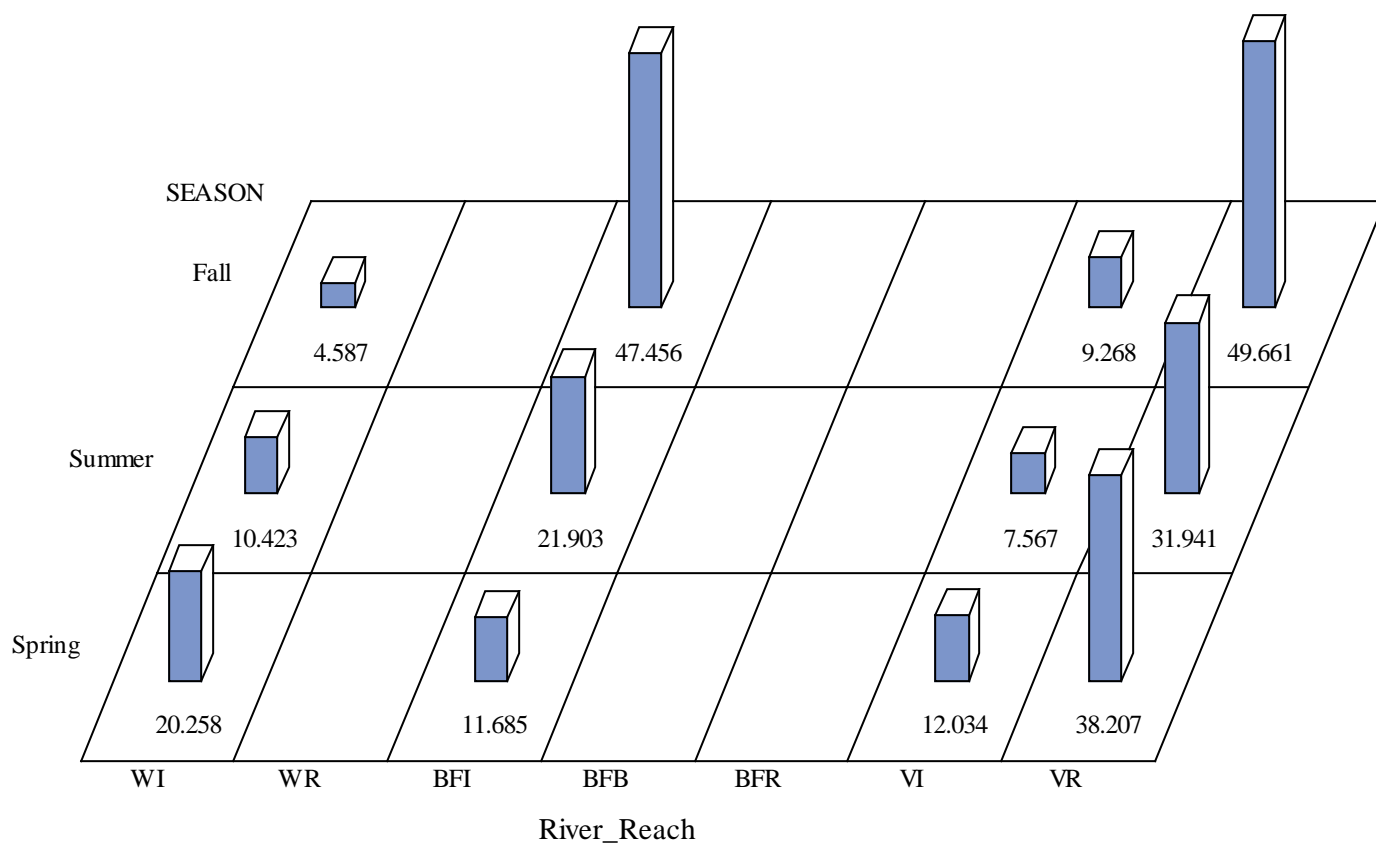
species=Sea lamprey



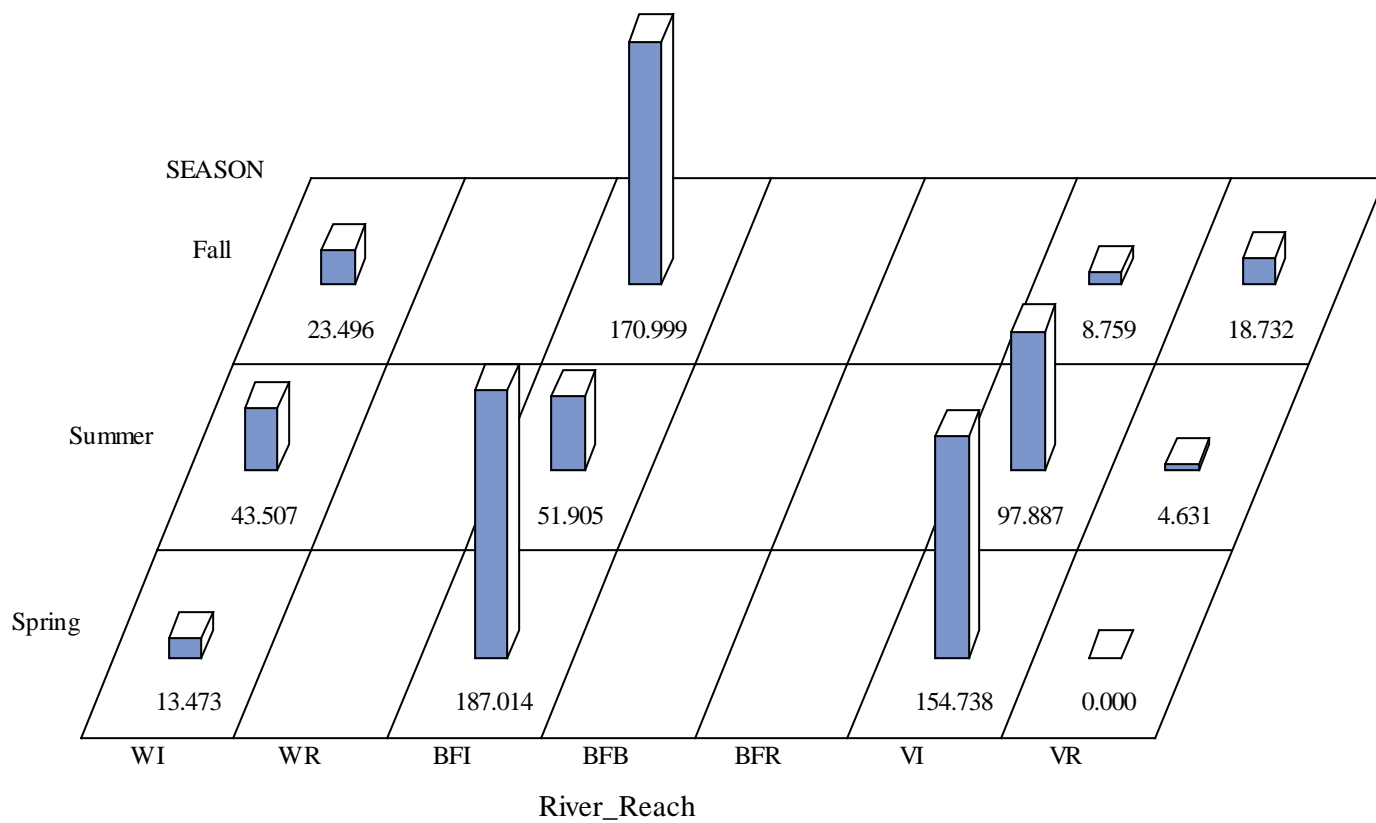
species=Slimy sculpin



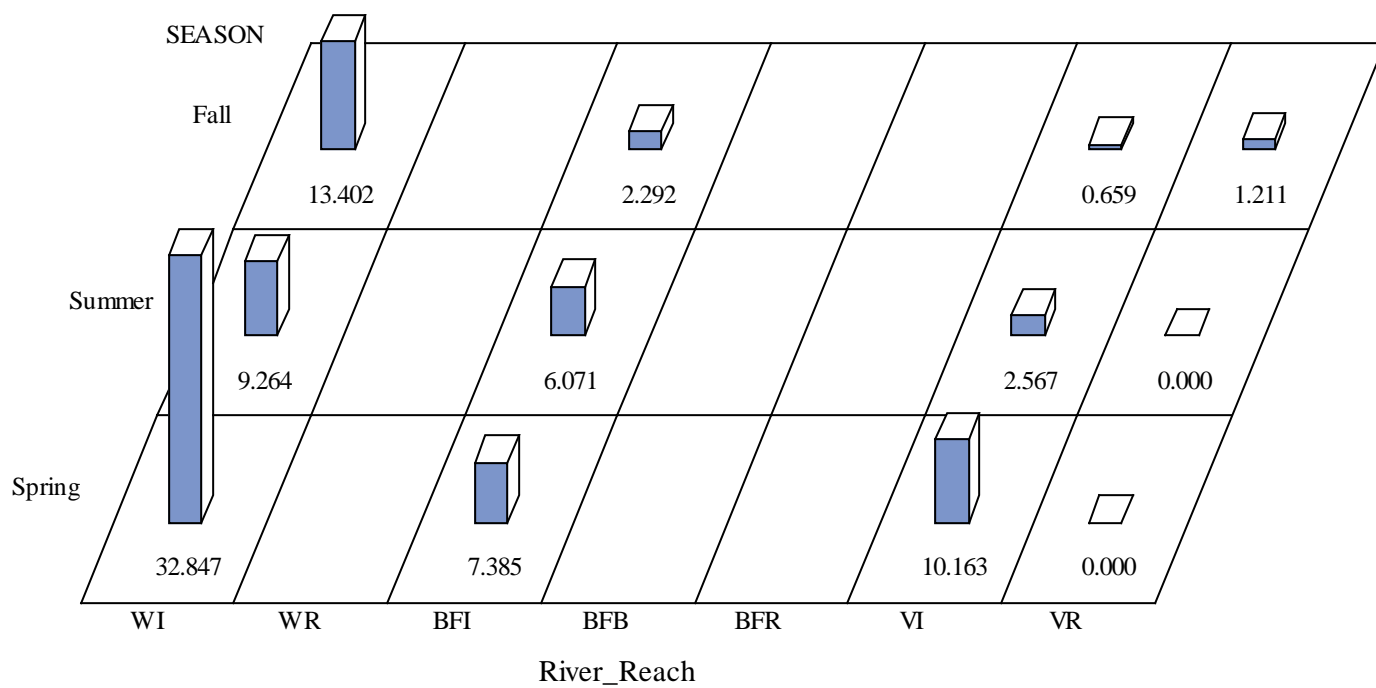
species=Smallmouth bass



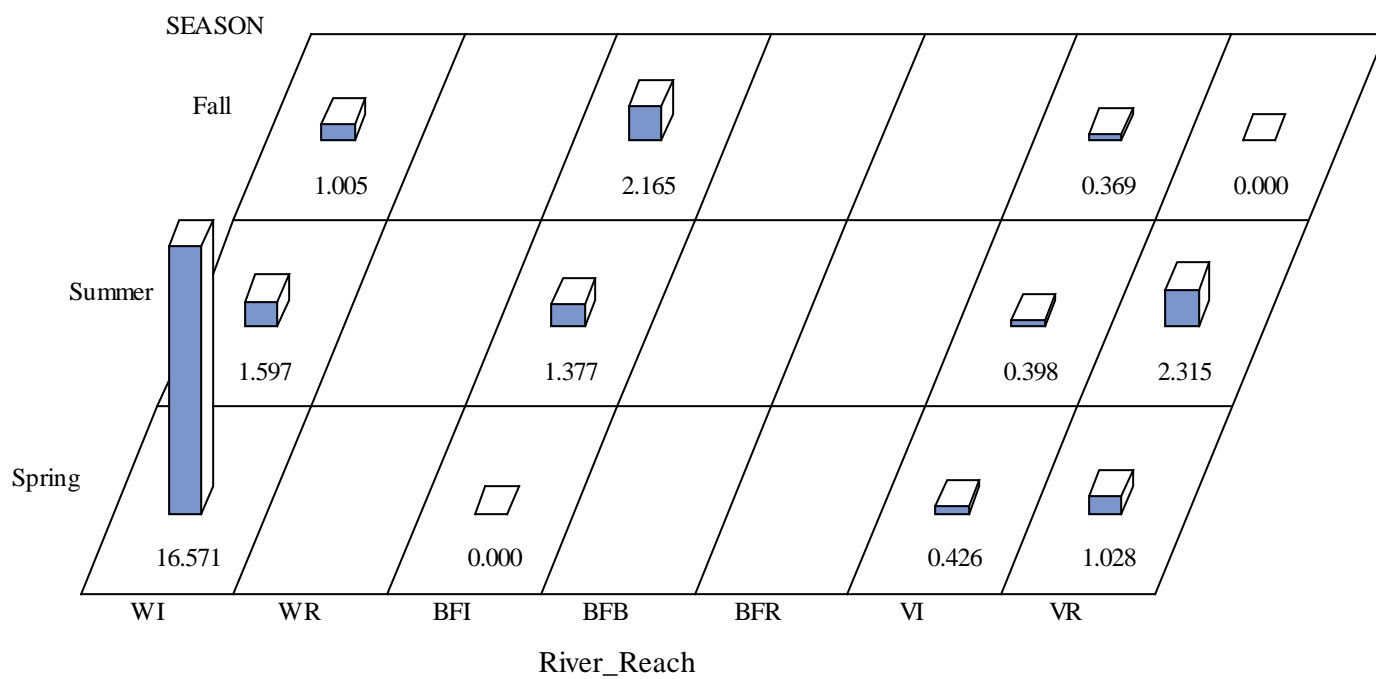
species=Spottail shiner



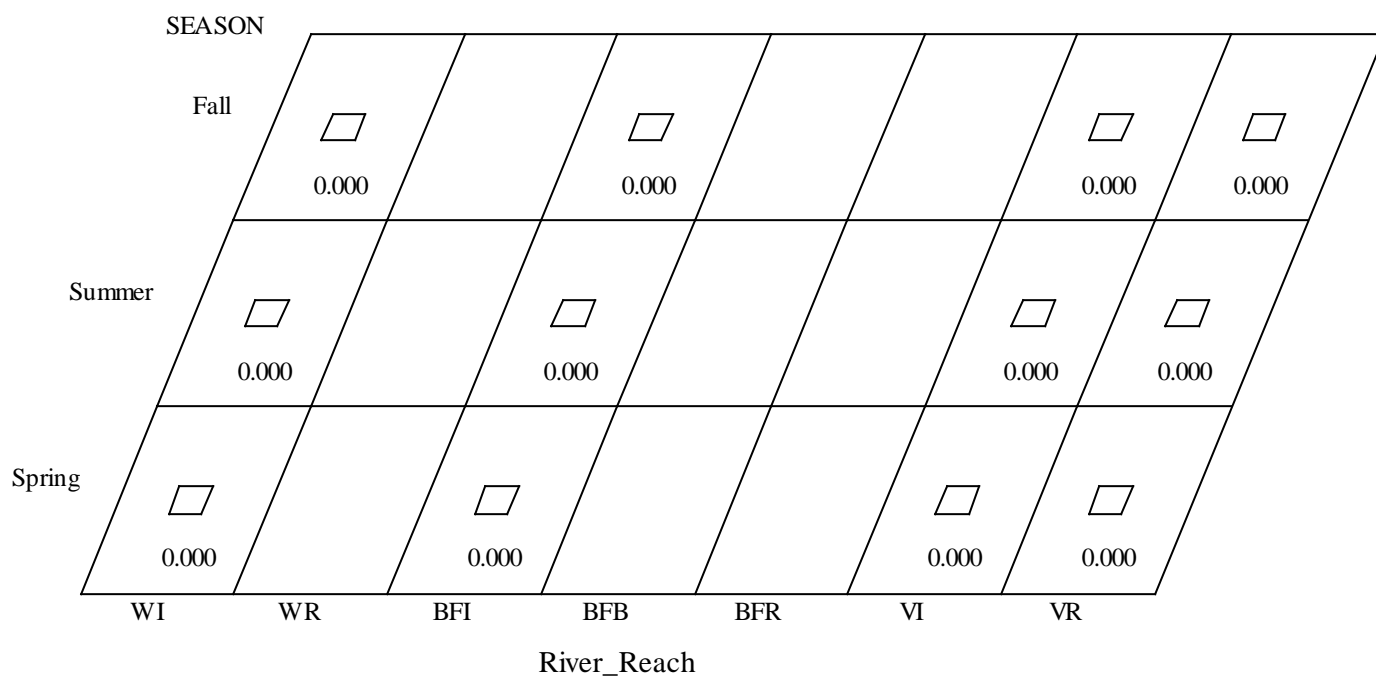
species=Tessellated darter



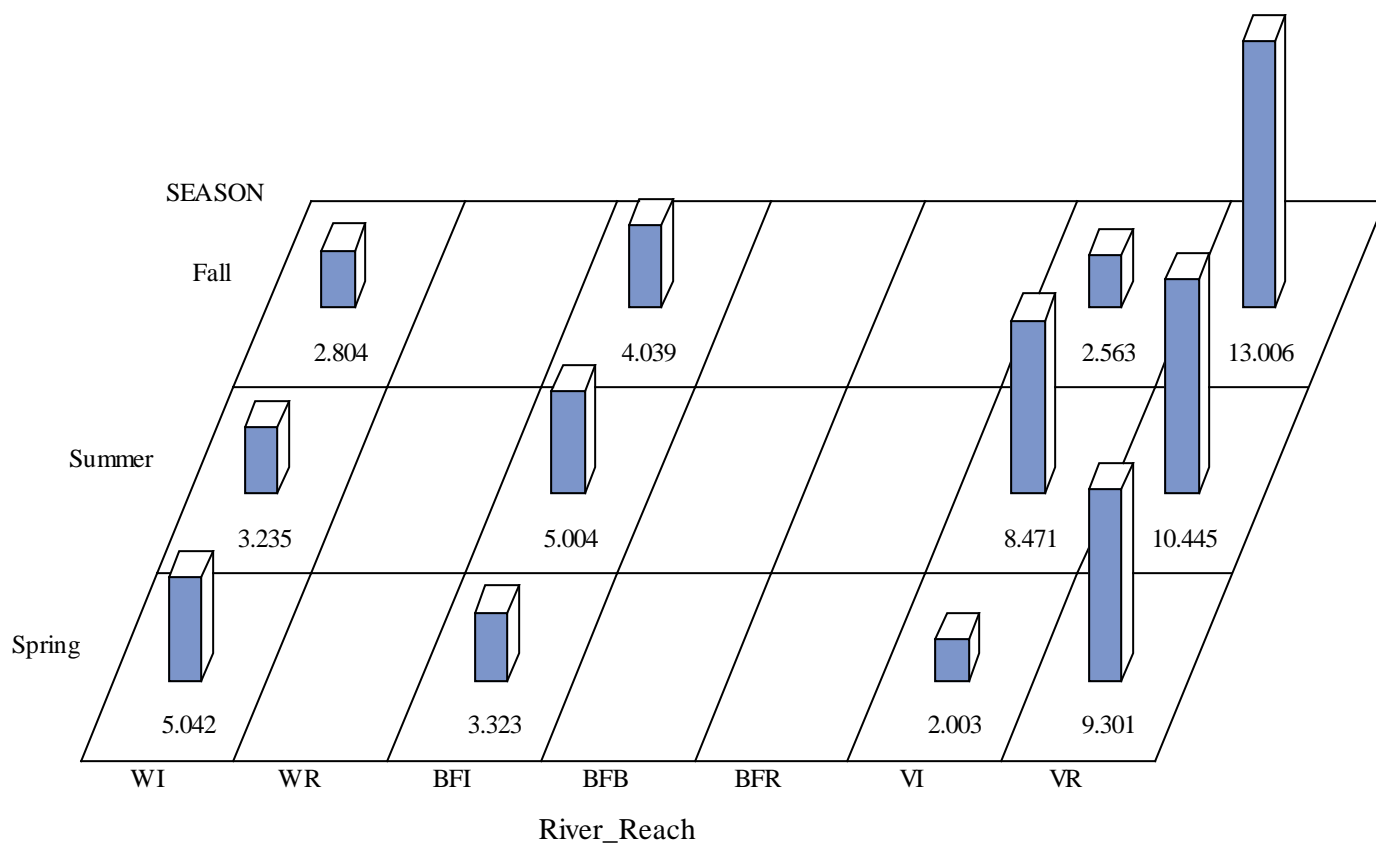
species=Walleye



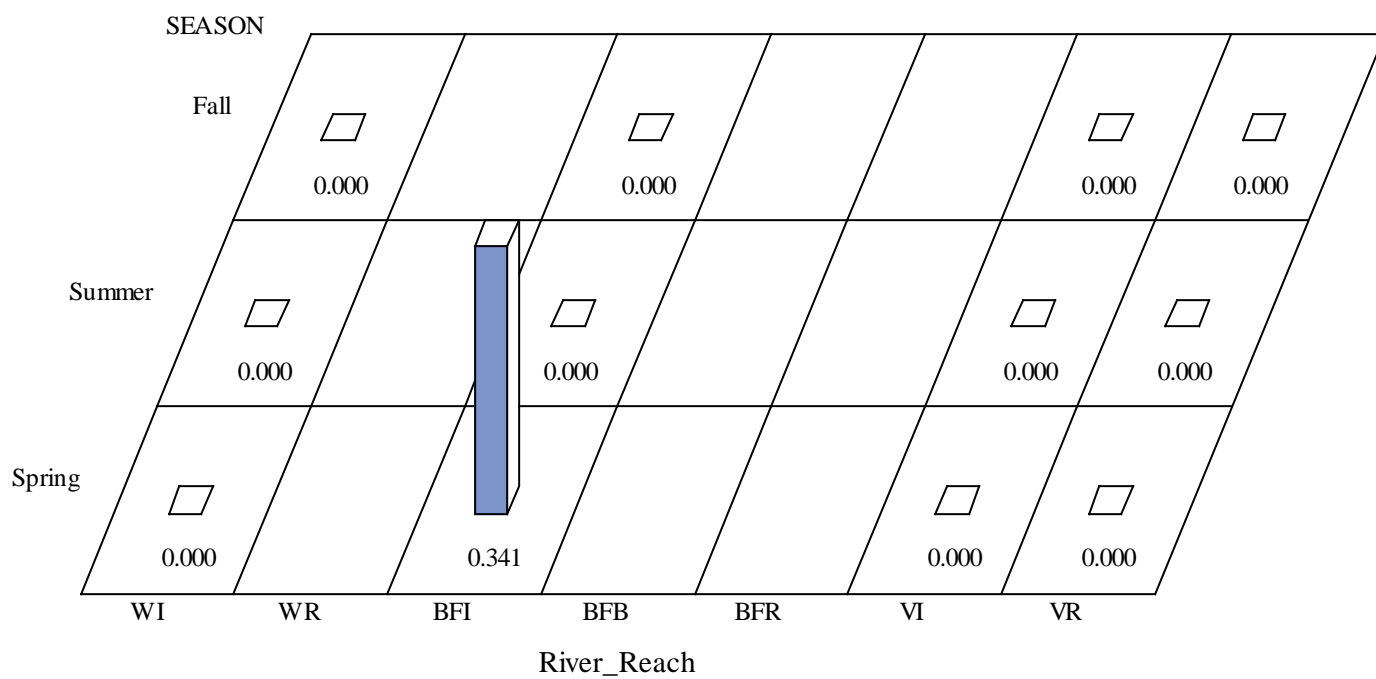
species=White perch



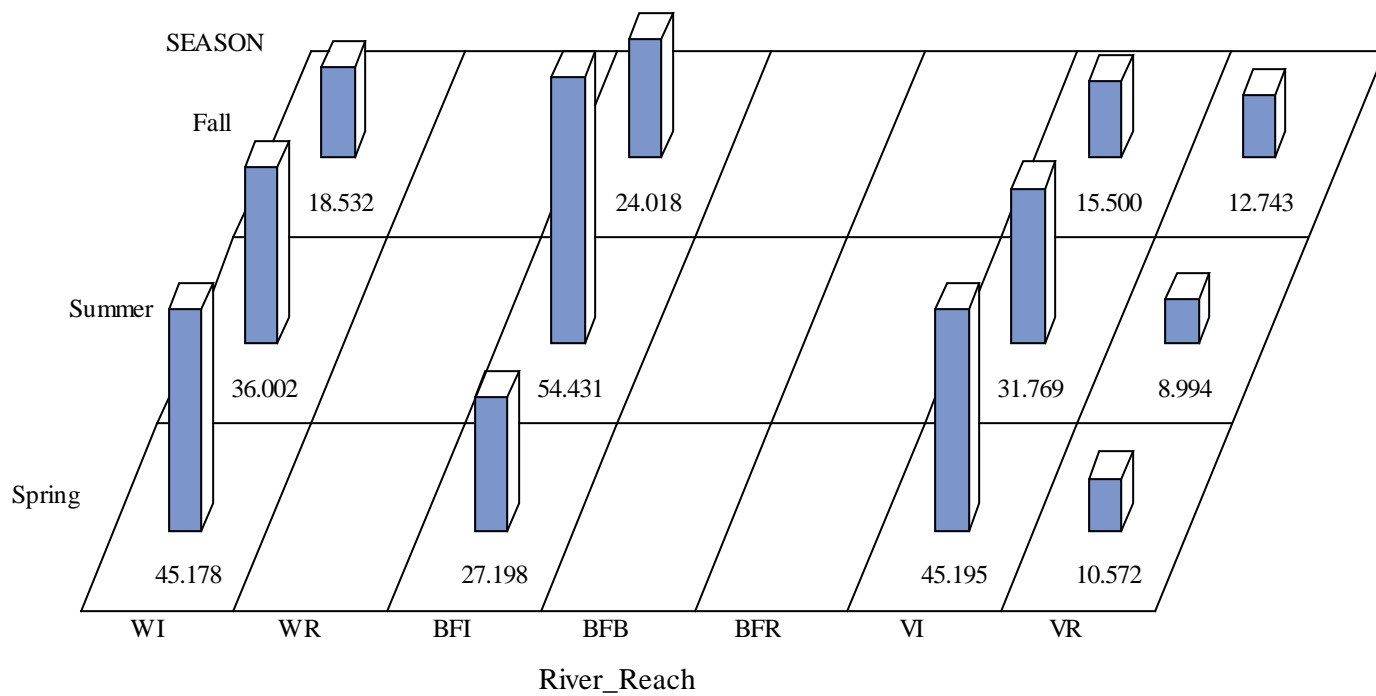
species=White sucker



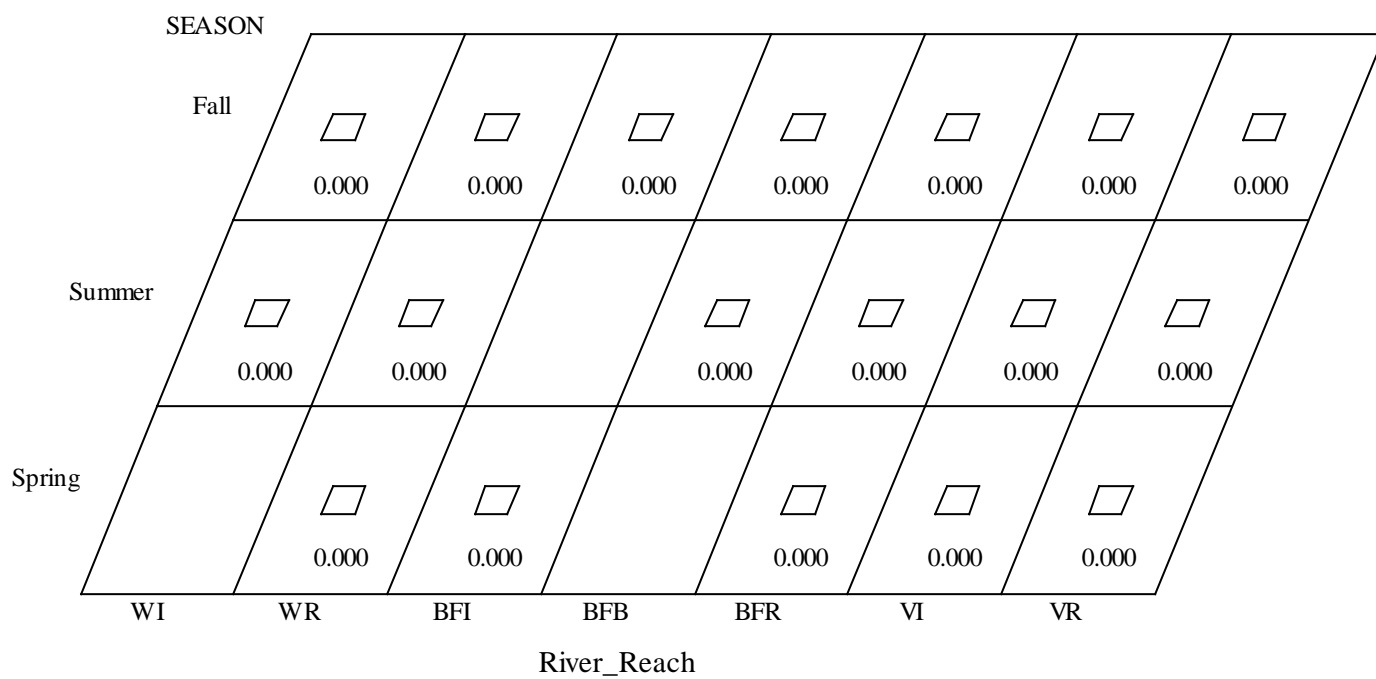
species=Yellow bullhead



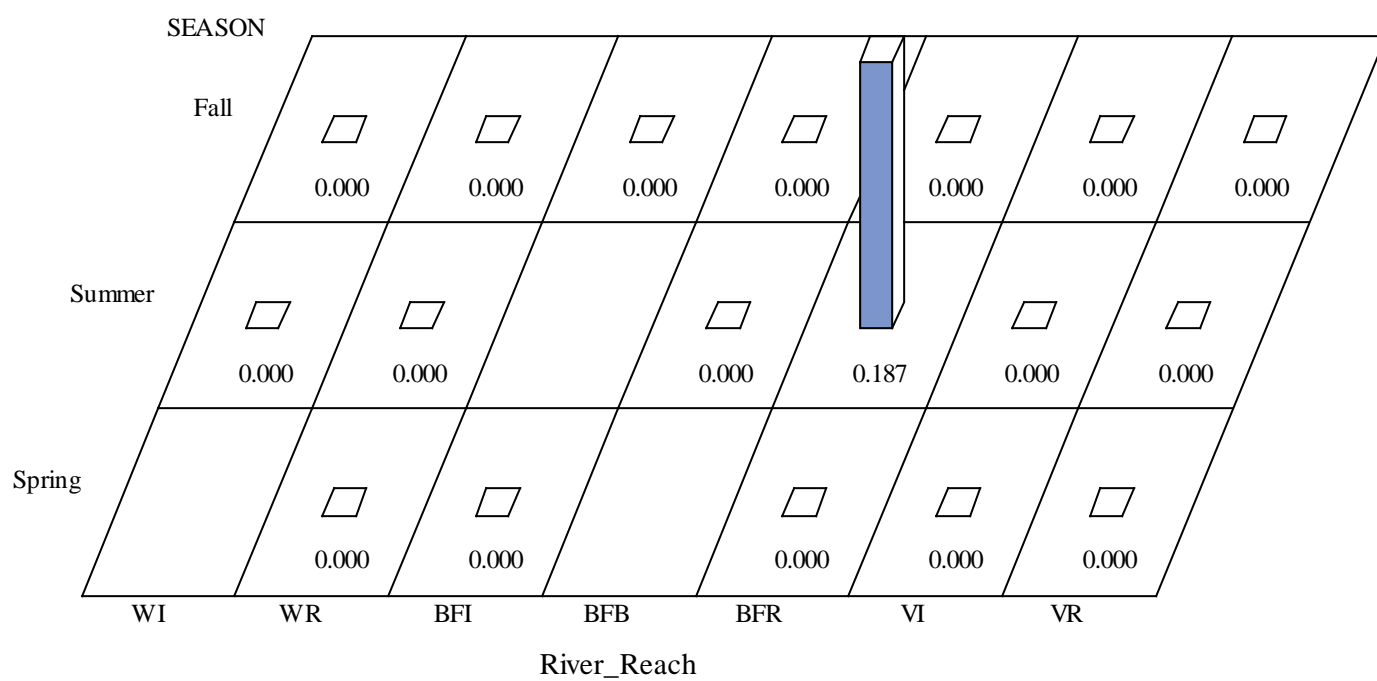
species=Yellow perch



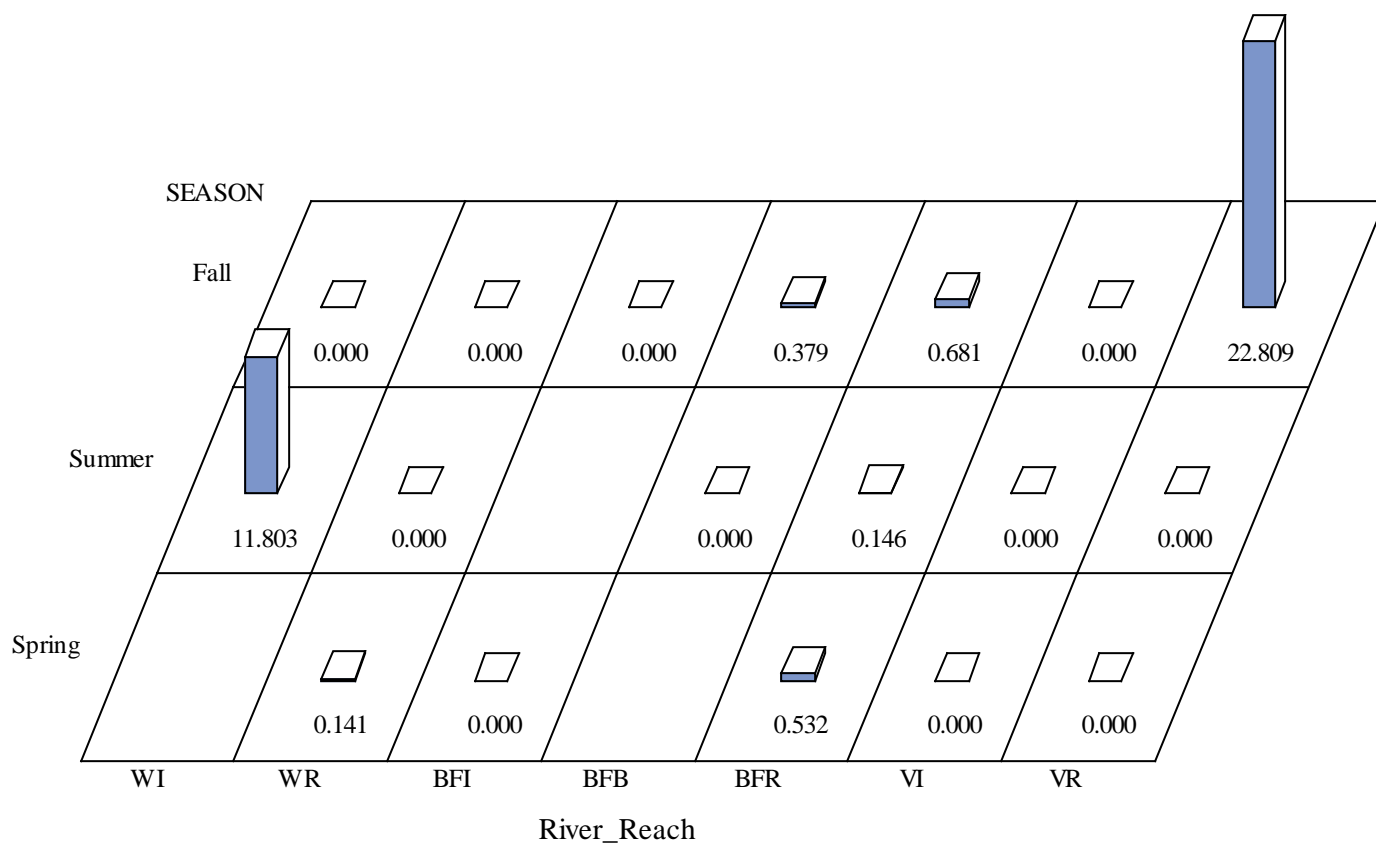
species=American eel



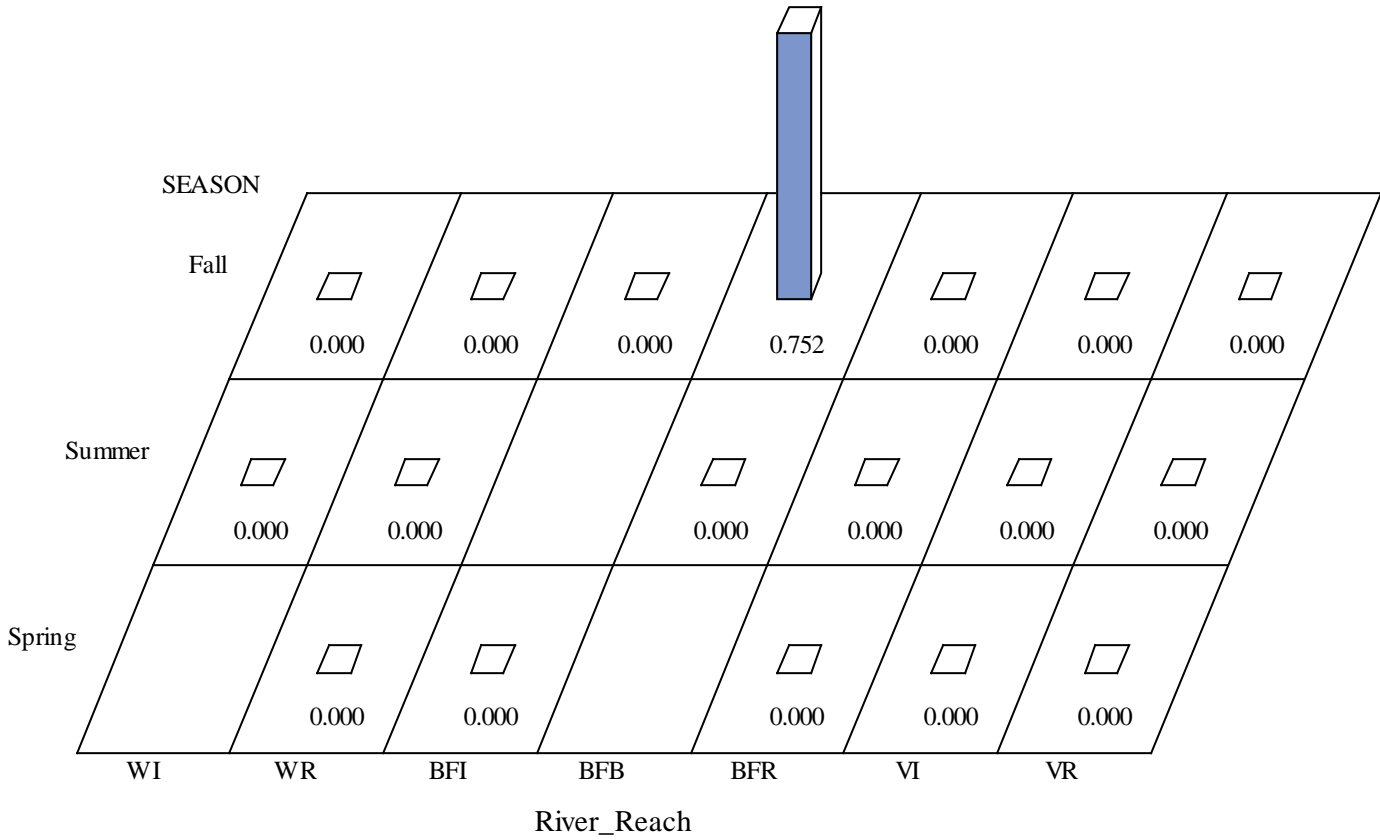
```
species=American shad
```



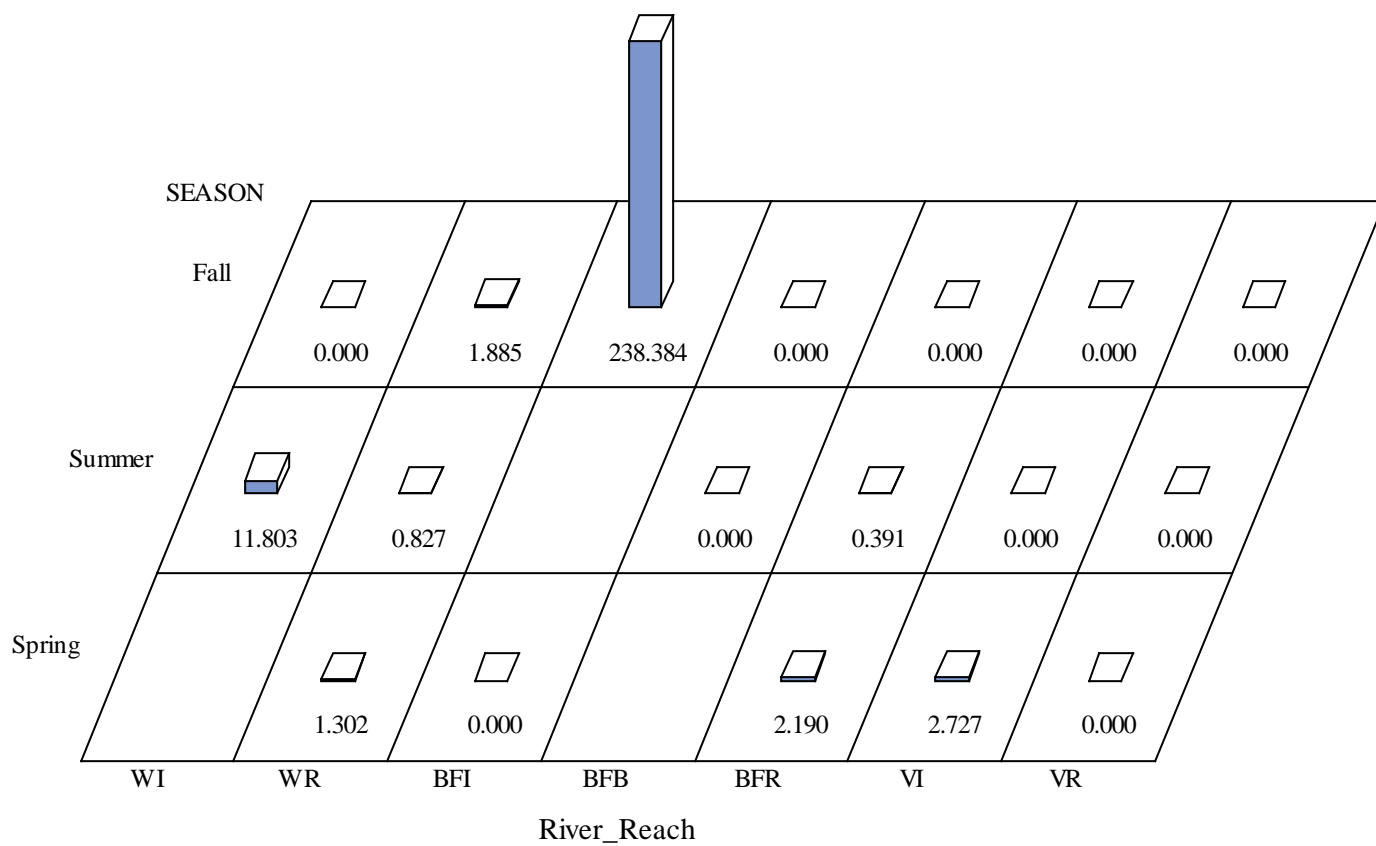
species=Banded killifish



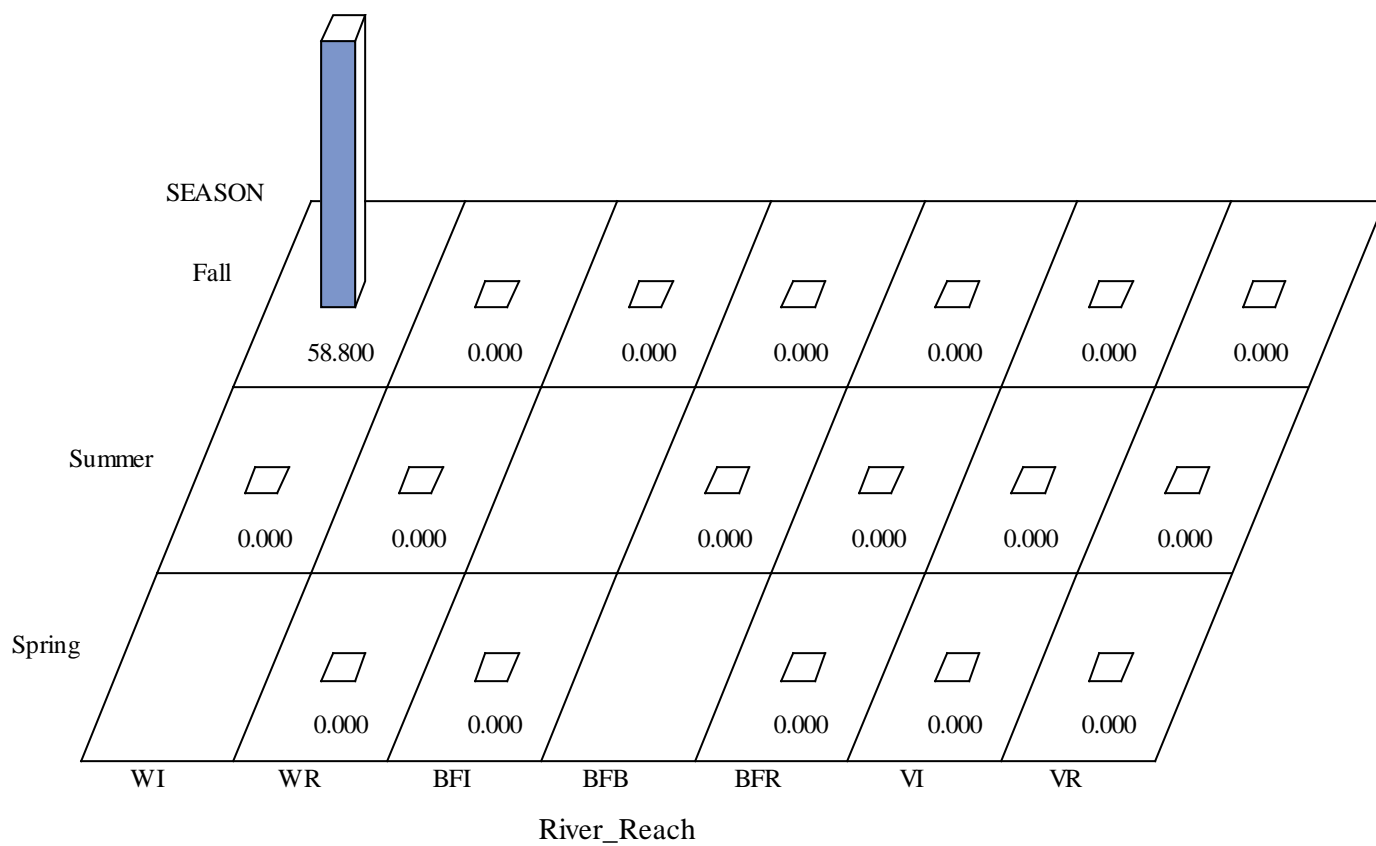
species=Black crappie



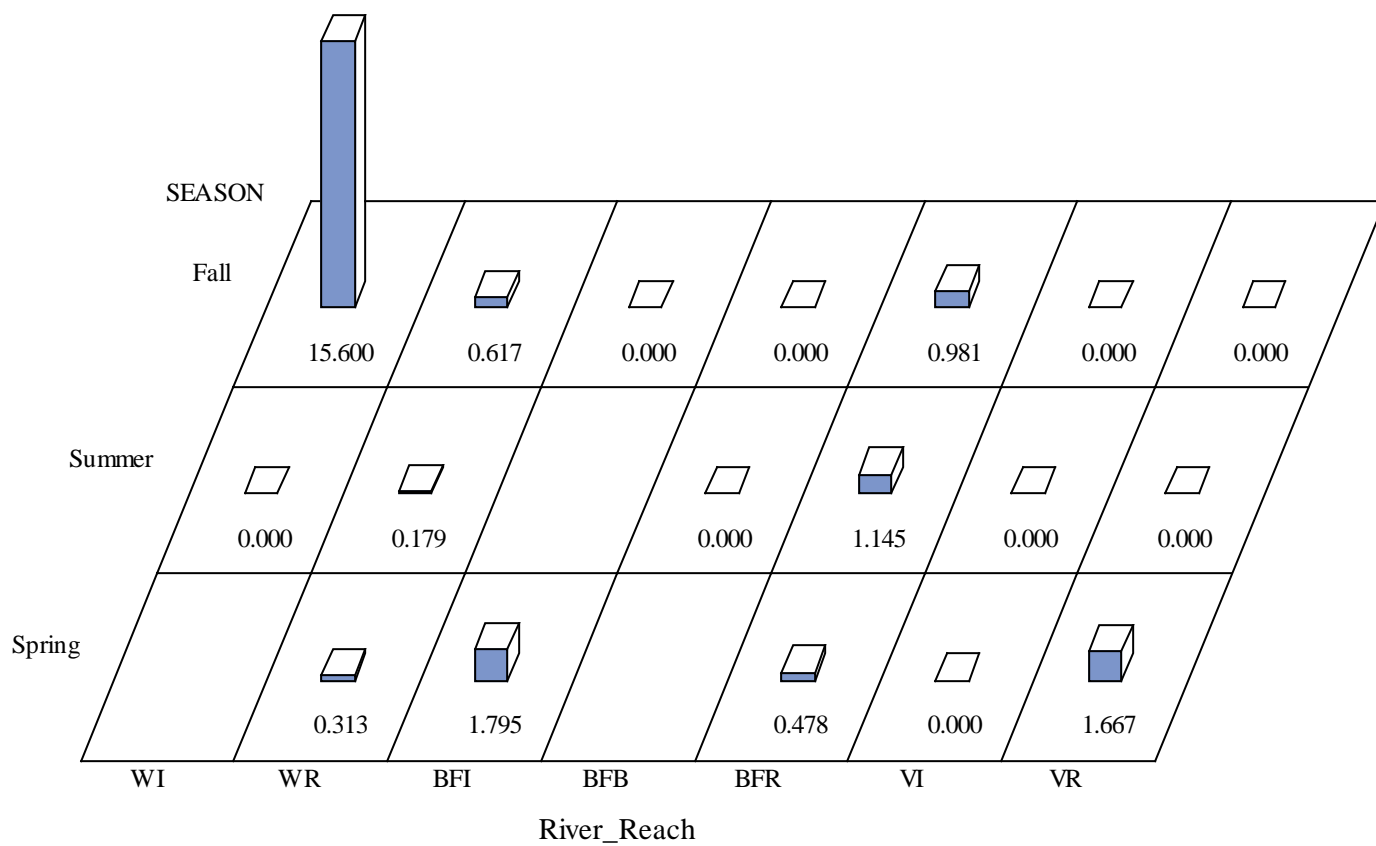
species=Blacknose dace



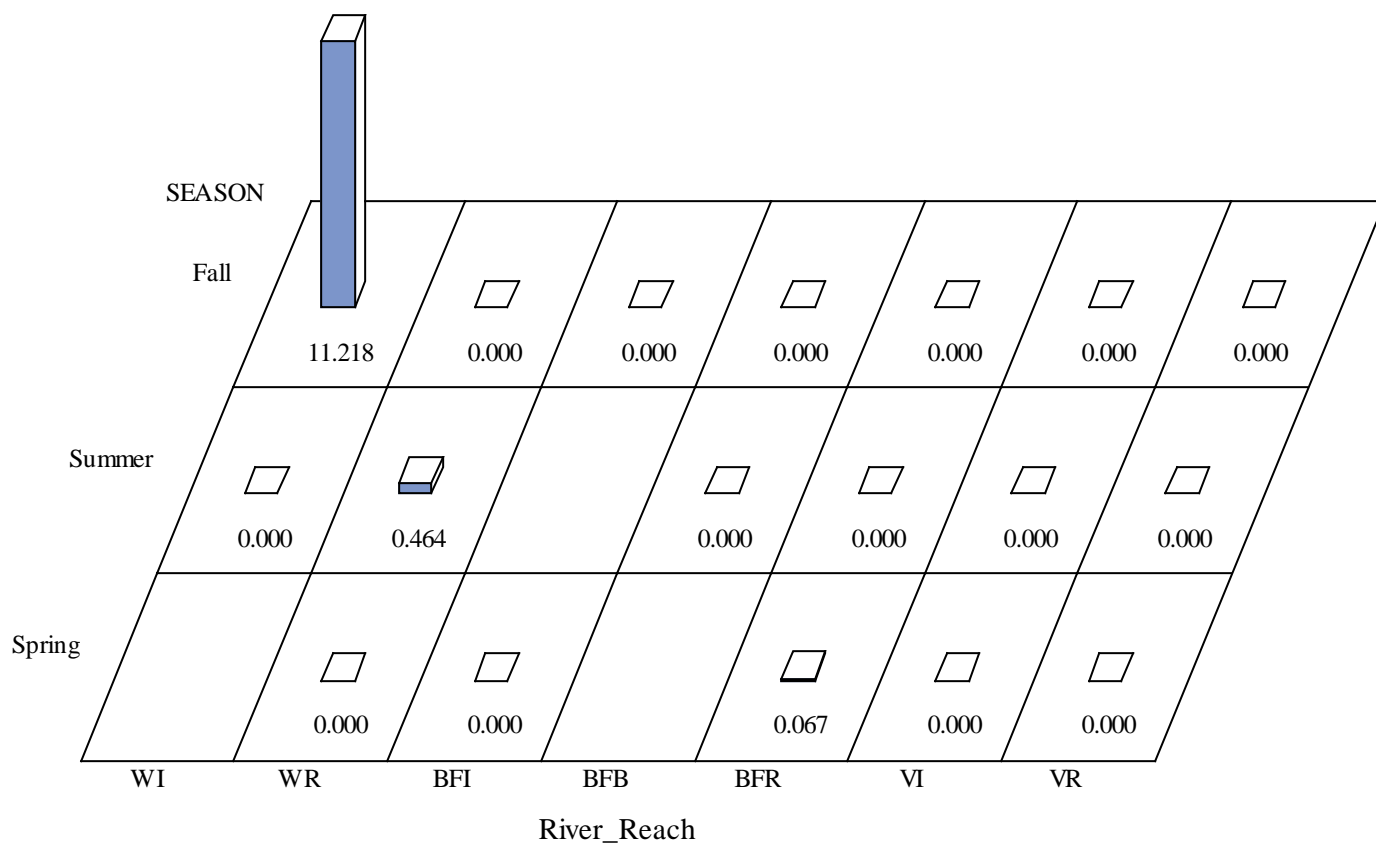
species=Blacknose shiner



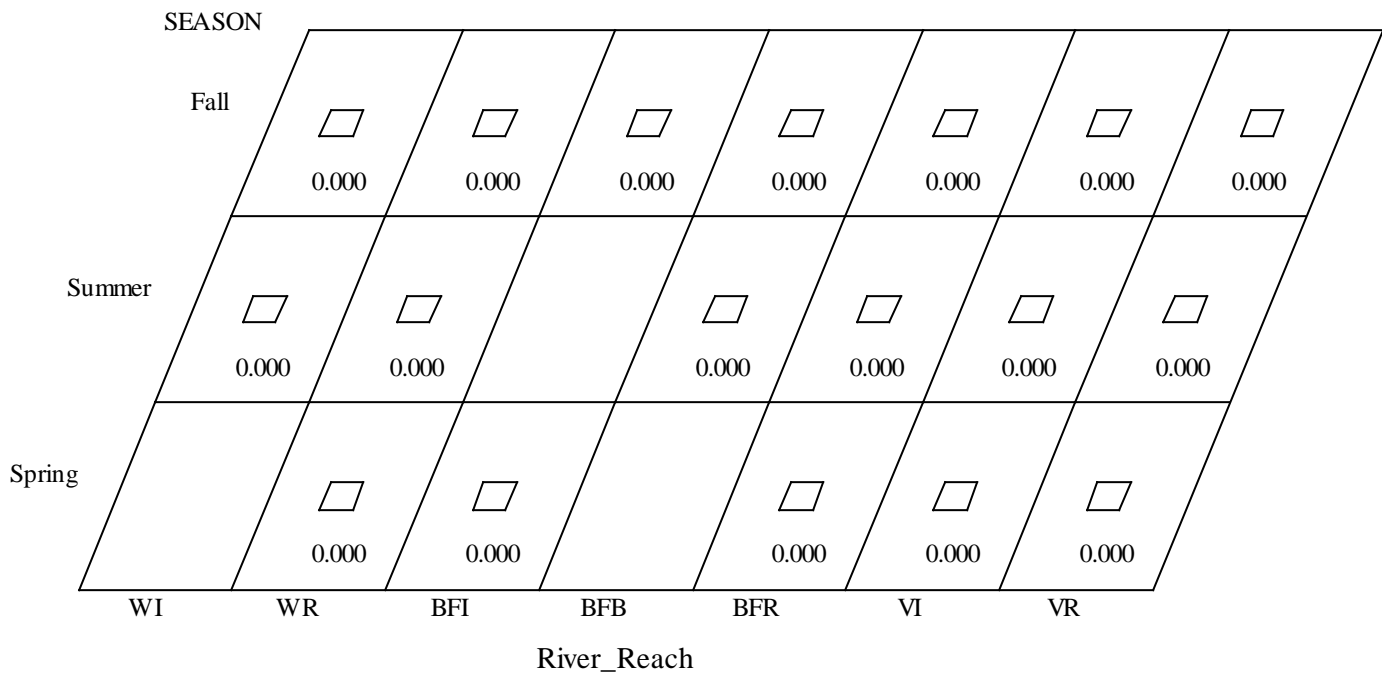
species=Bluegill



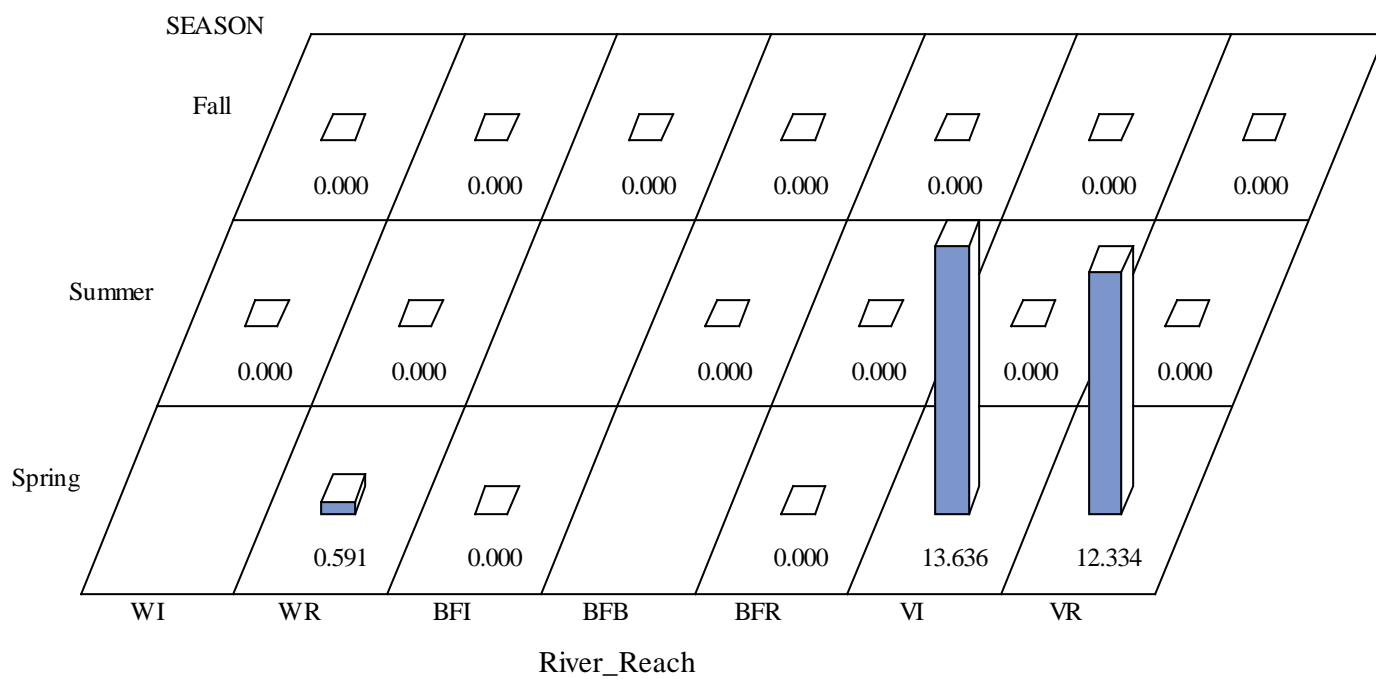
species=Bluntnose minnow



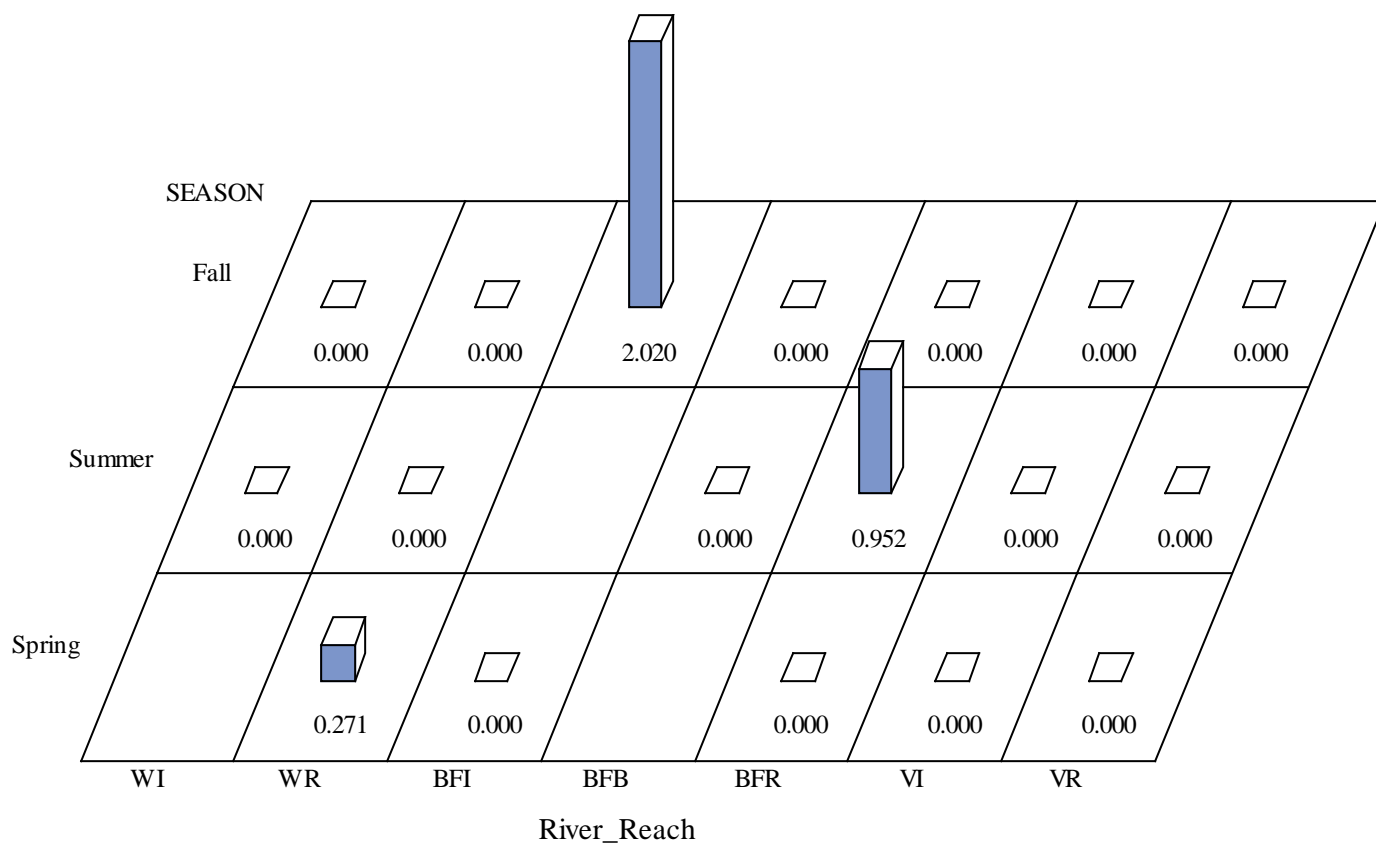
species=Bridle shiner



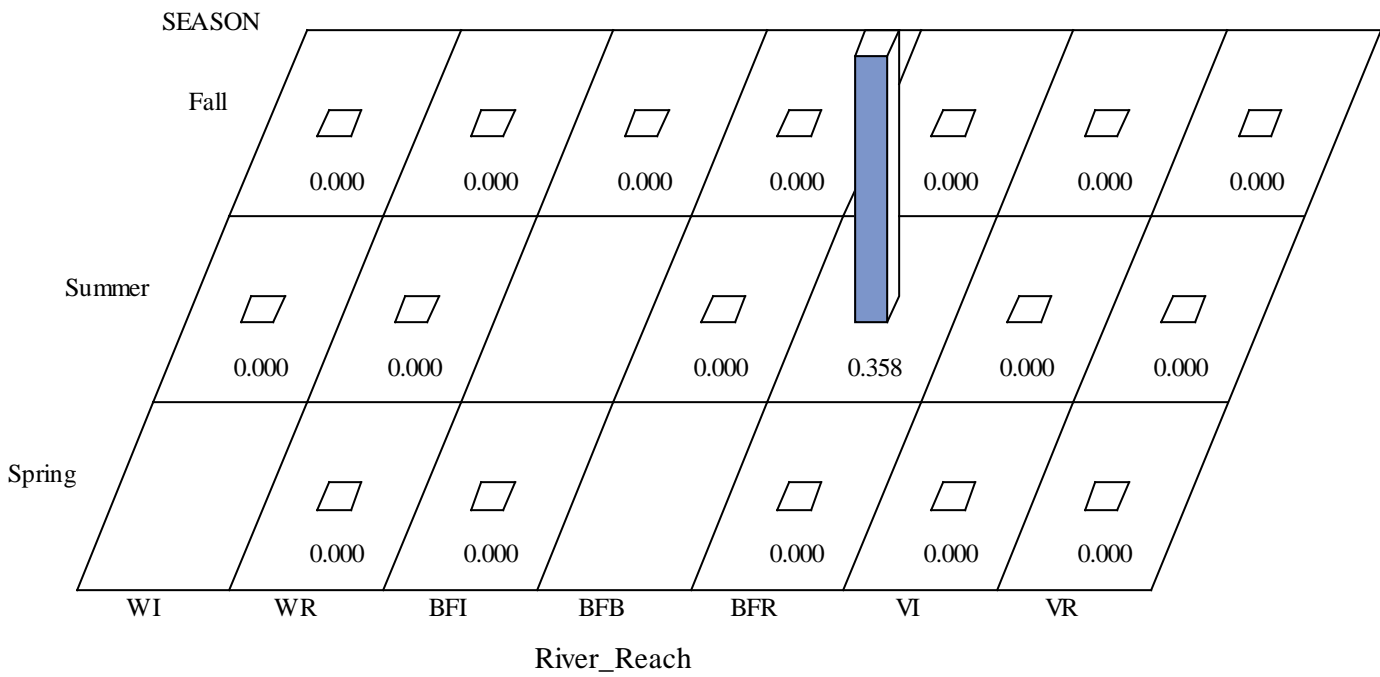
species=Brook trout



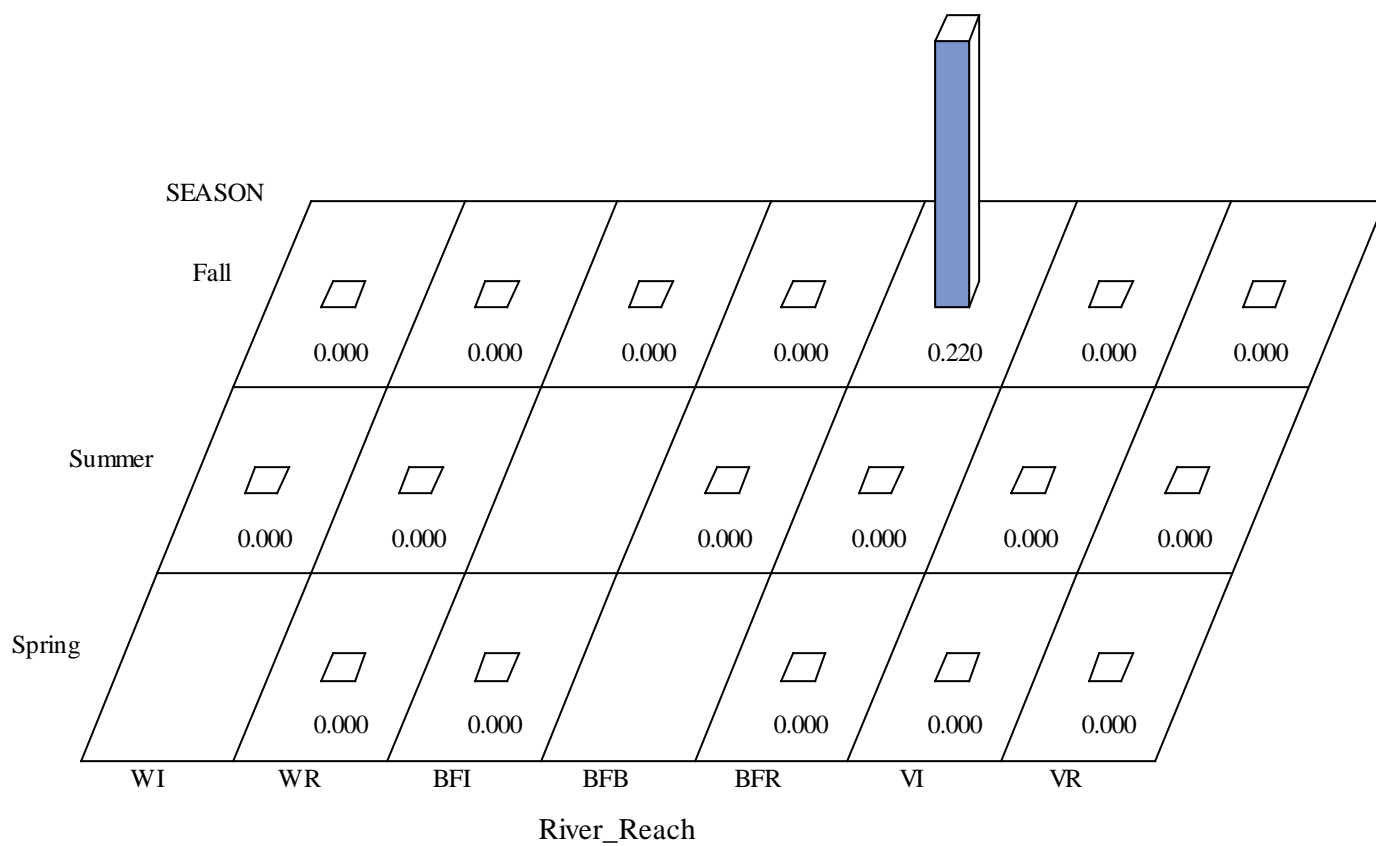
species=Brown trout



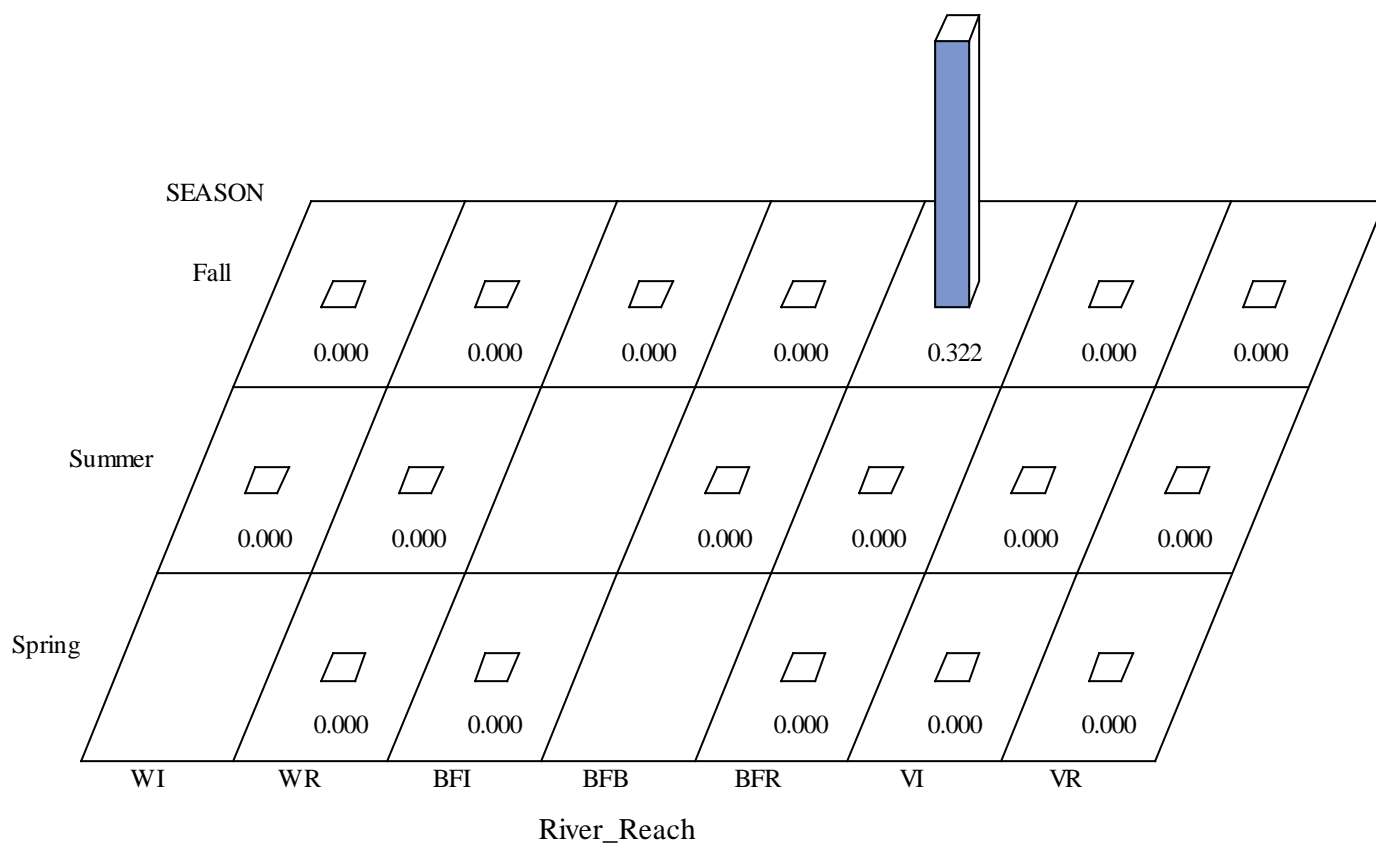
```
species=Burbot
```



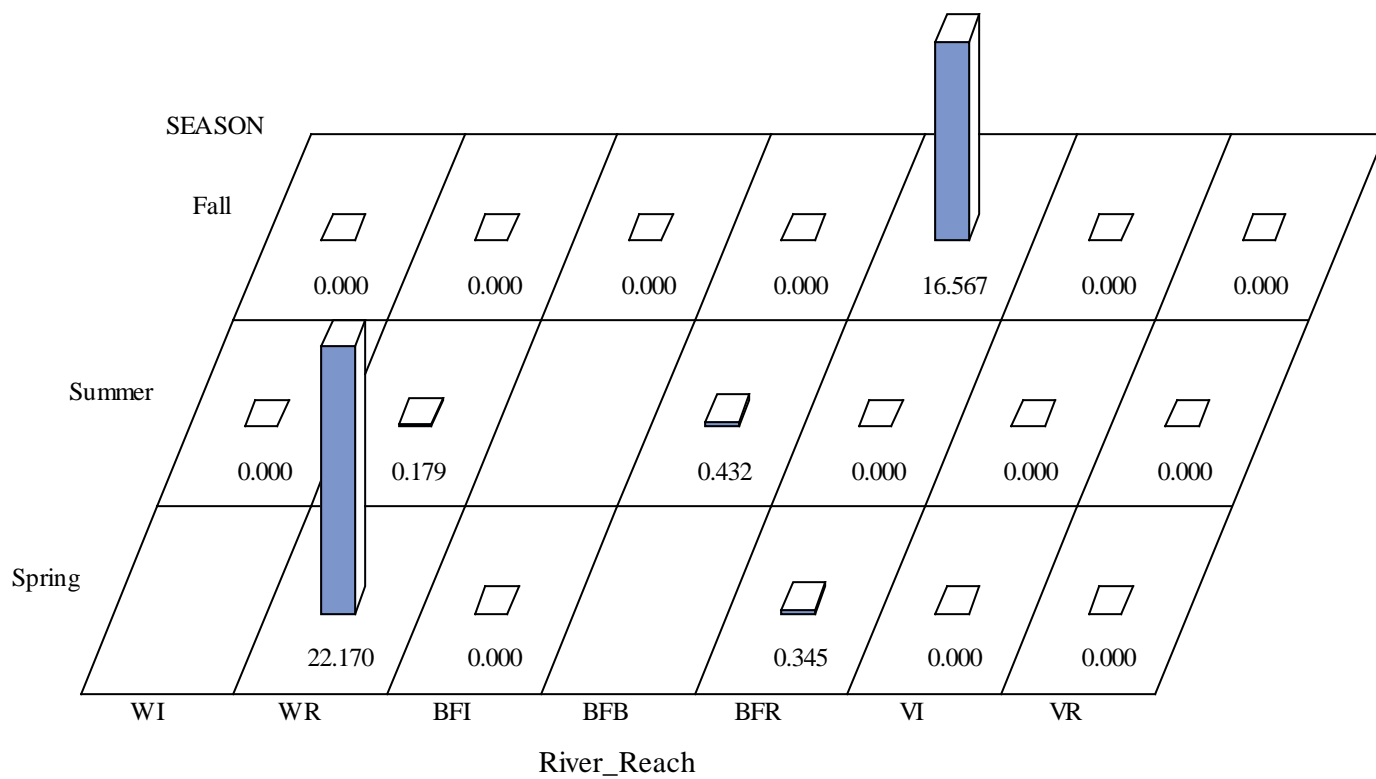
species=Chain pickerel



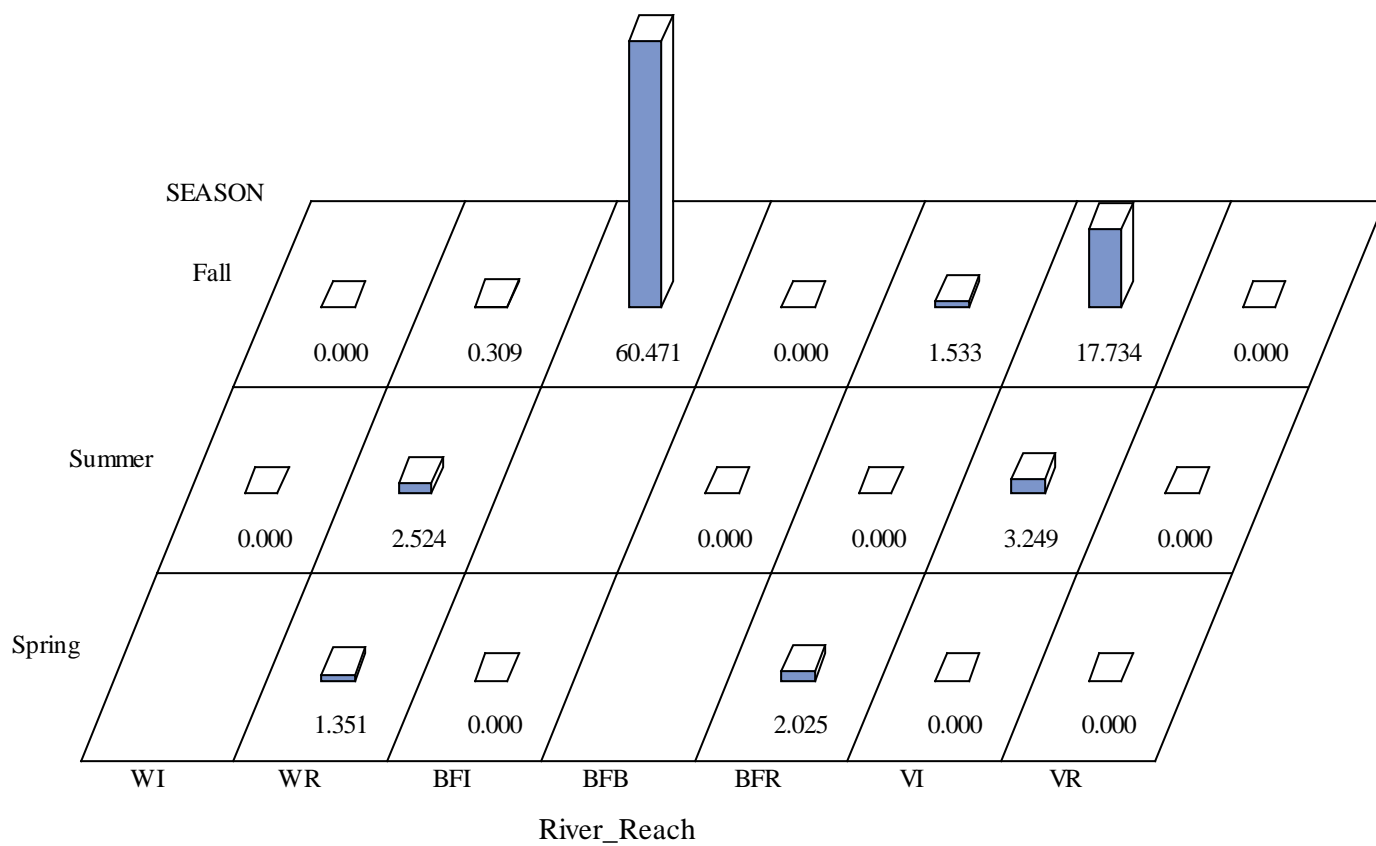
species=Channel catfish



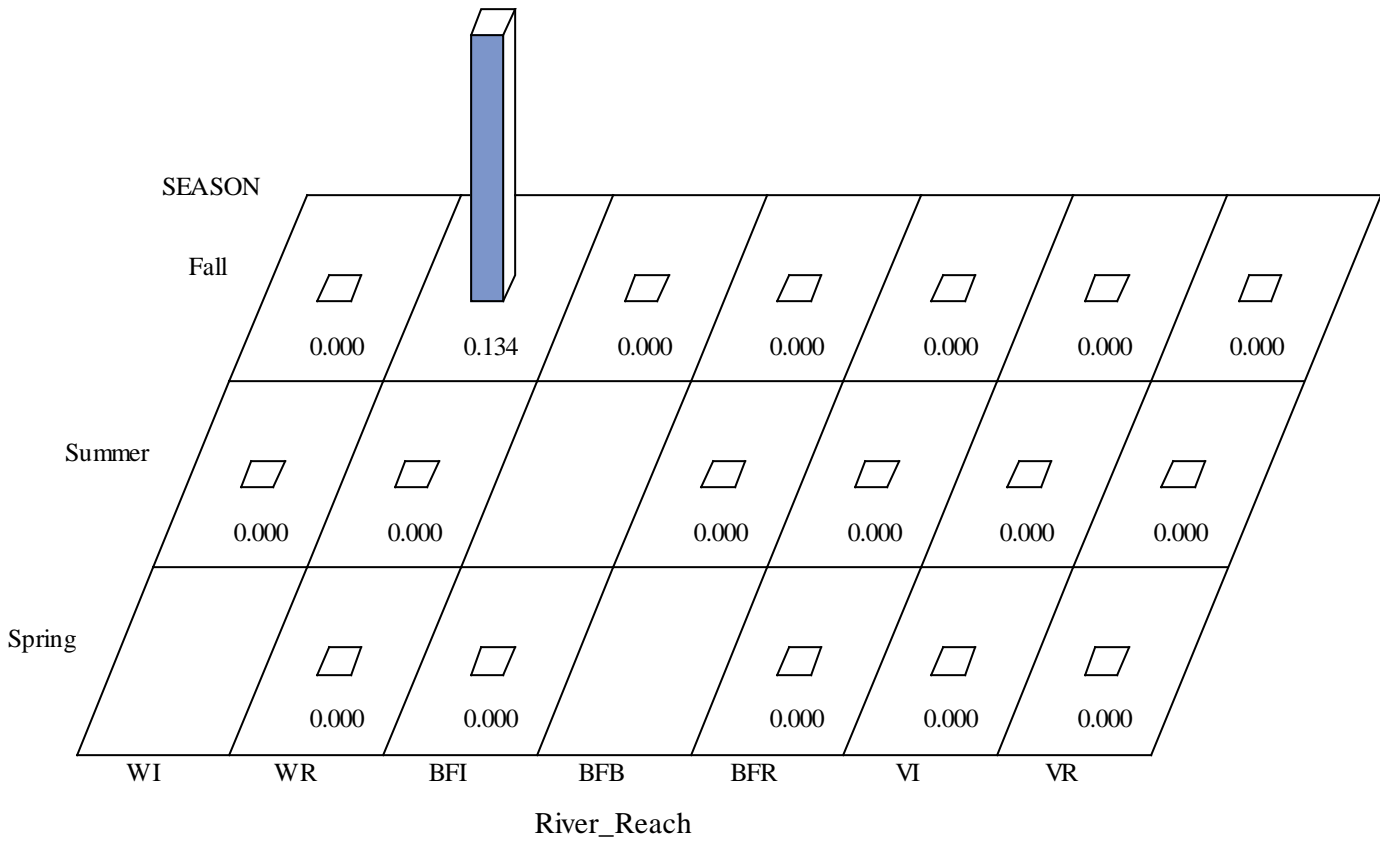
species=Common shiner



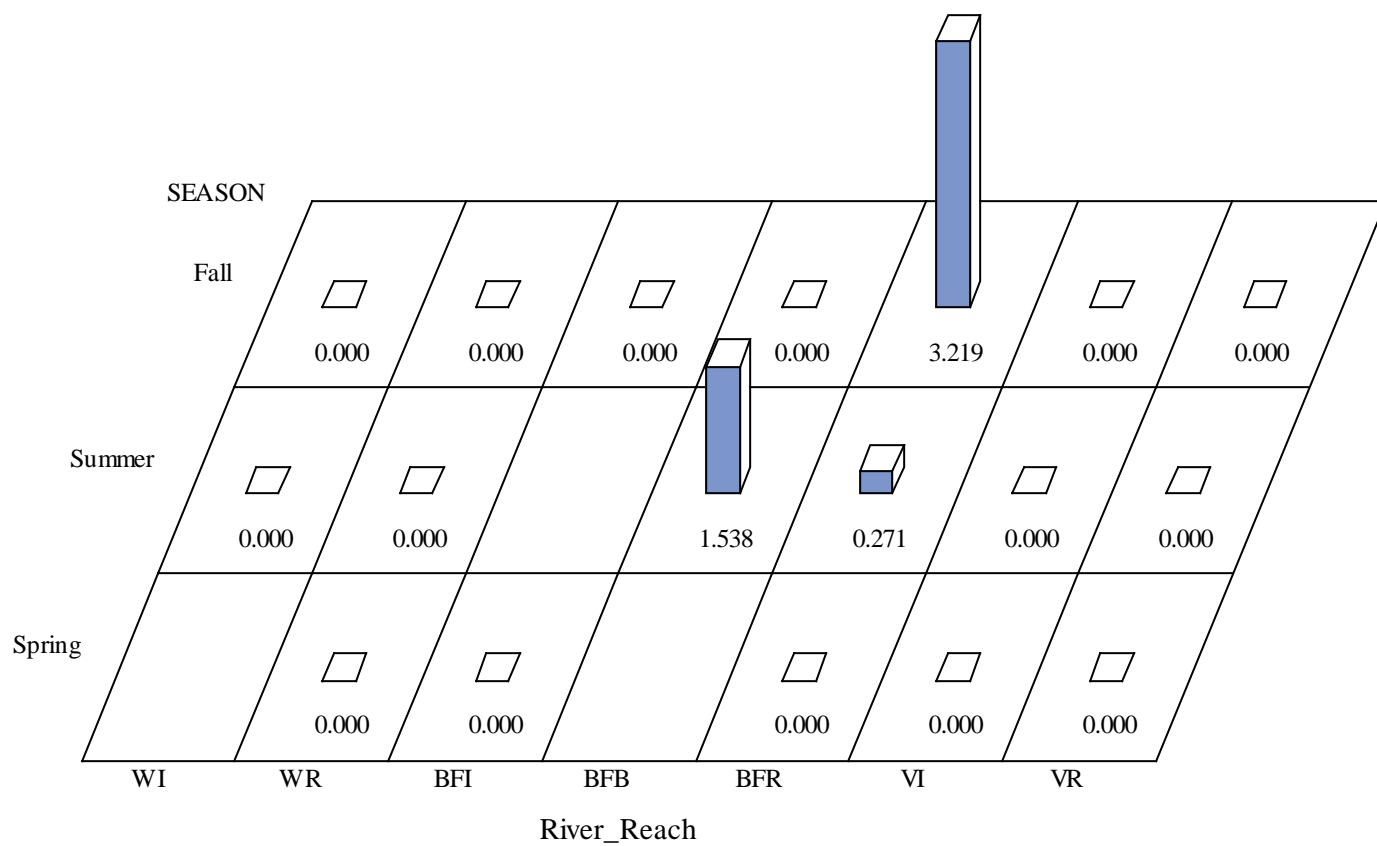
species=Creek chub



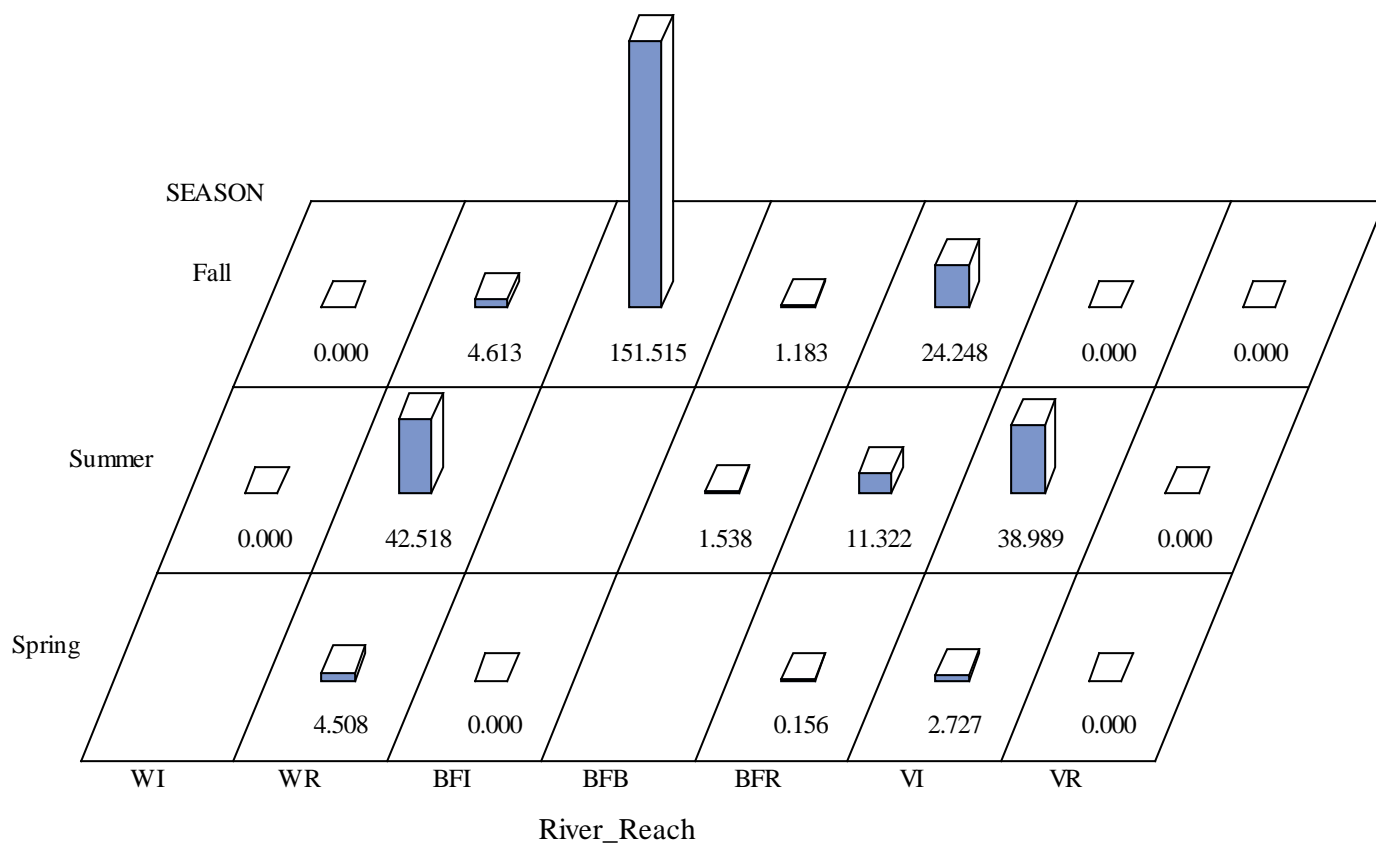
species=Cutlips minnow



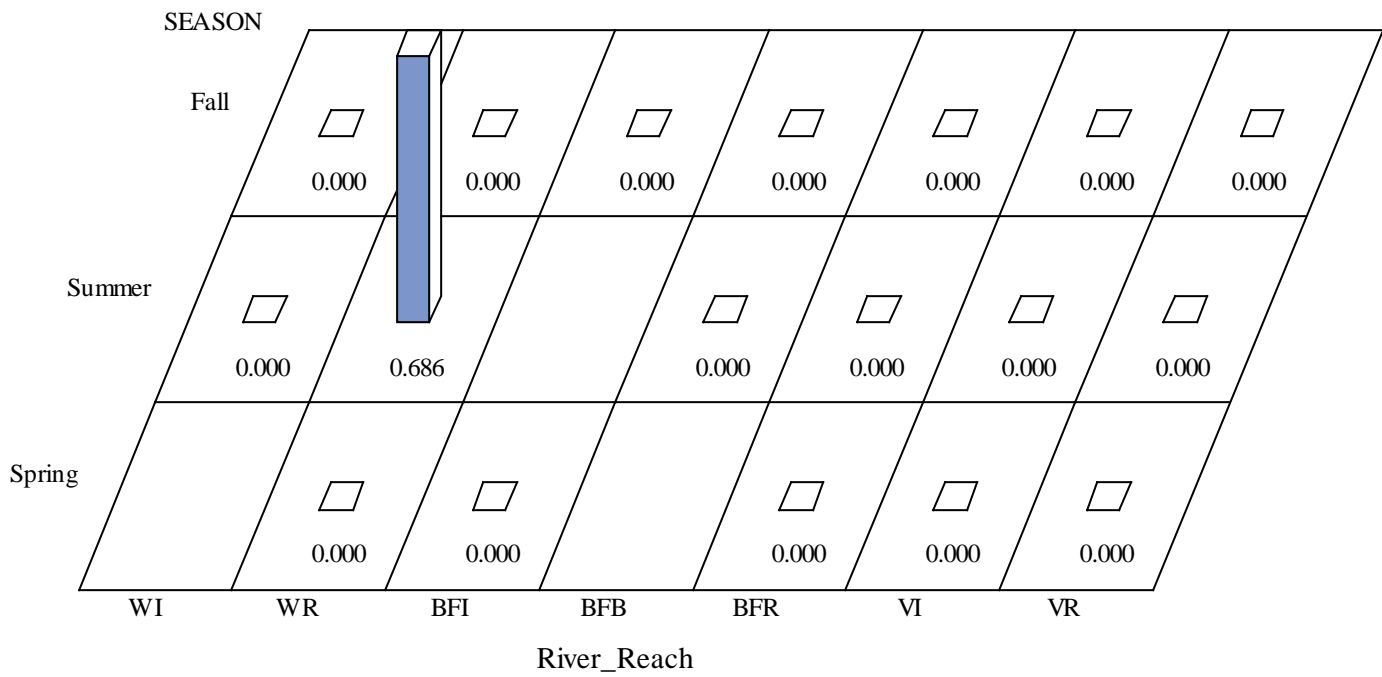
species=Eastern silvery minnow



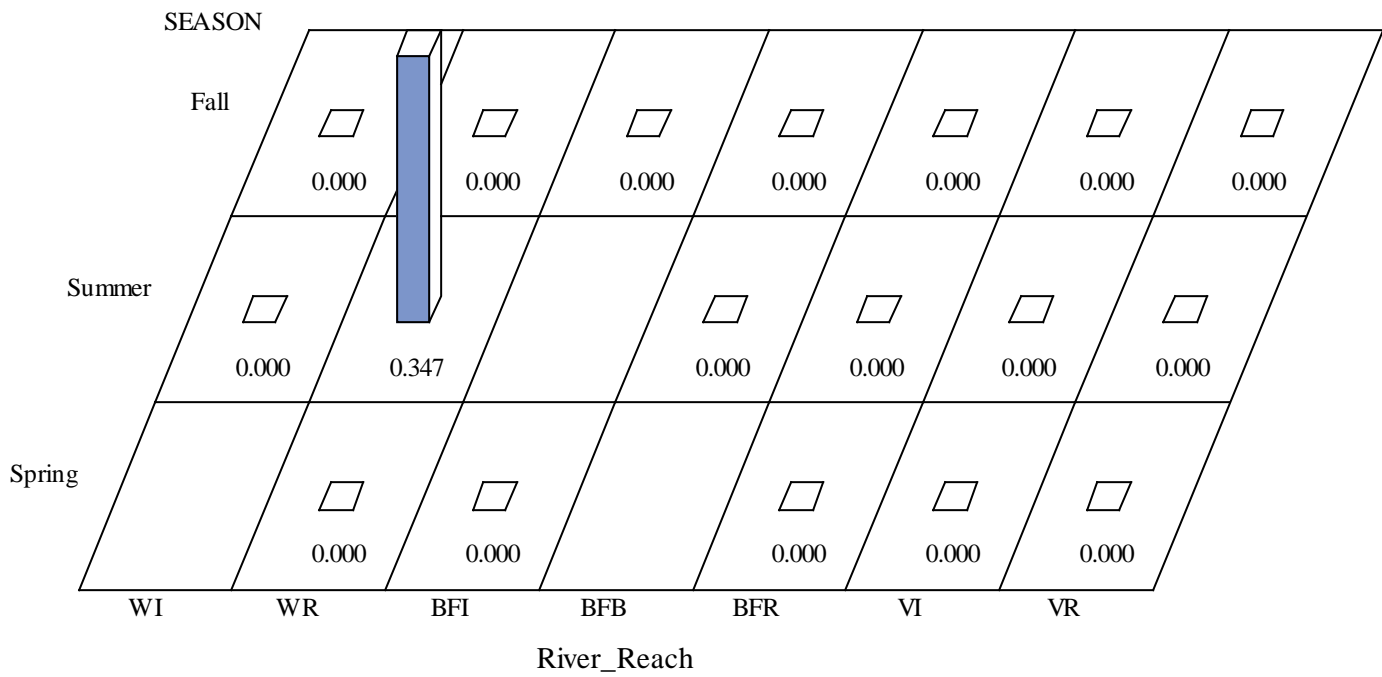
species=Fallfish



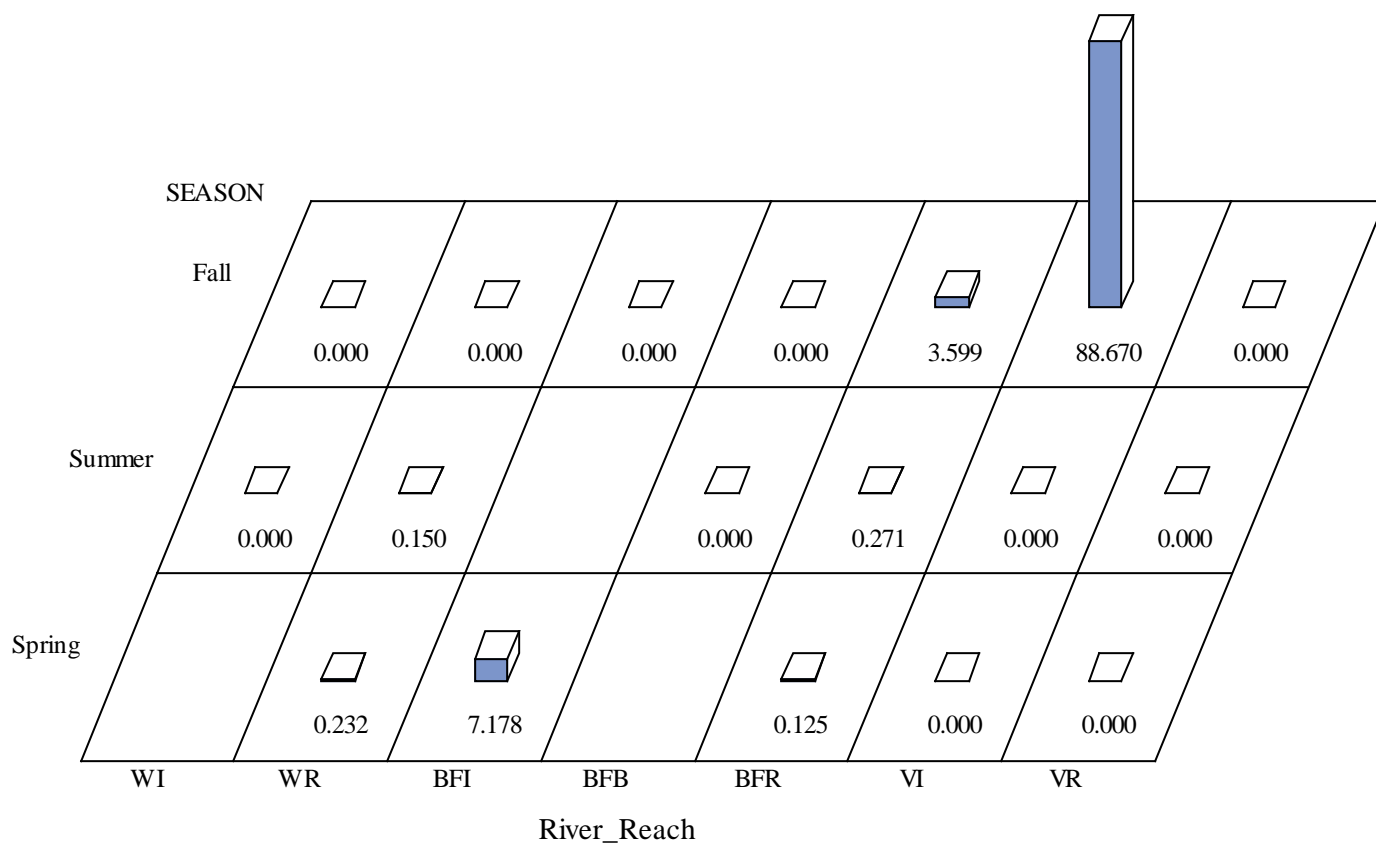
species=Fathead minnow



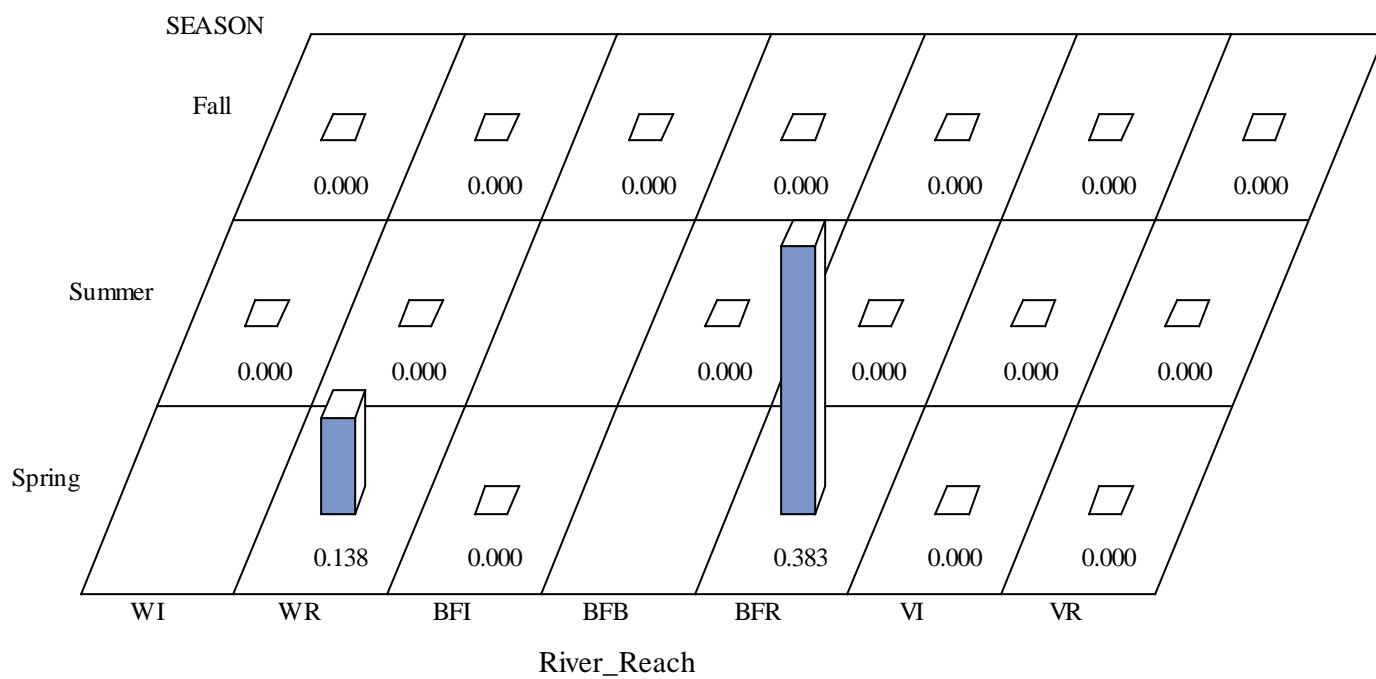
species=Finescale dace



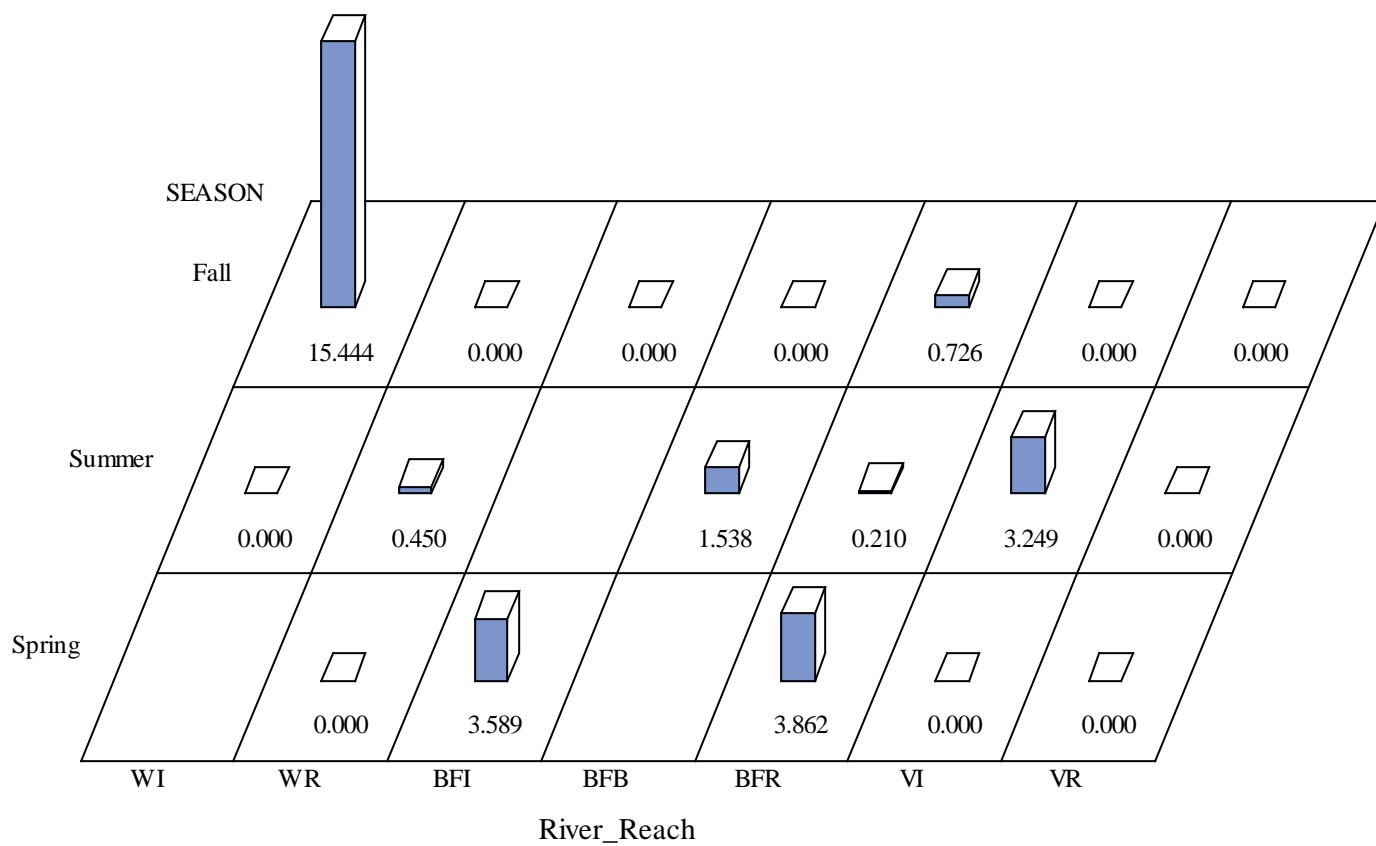
species=Golden shiner



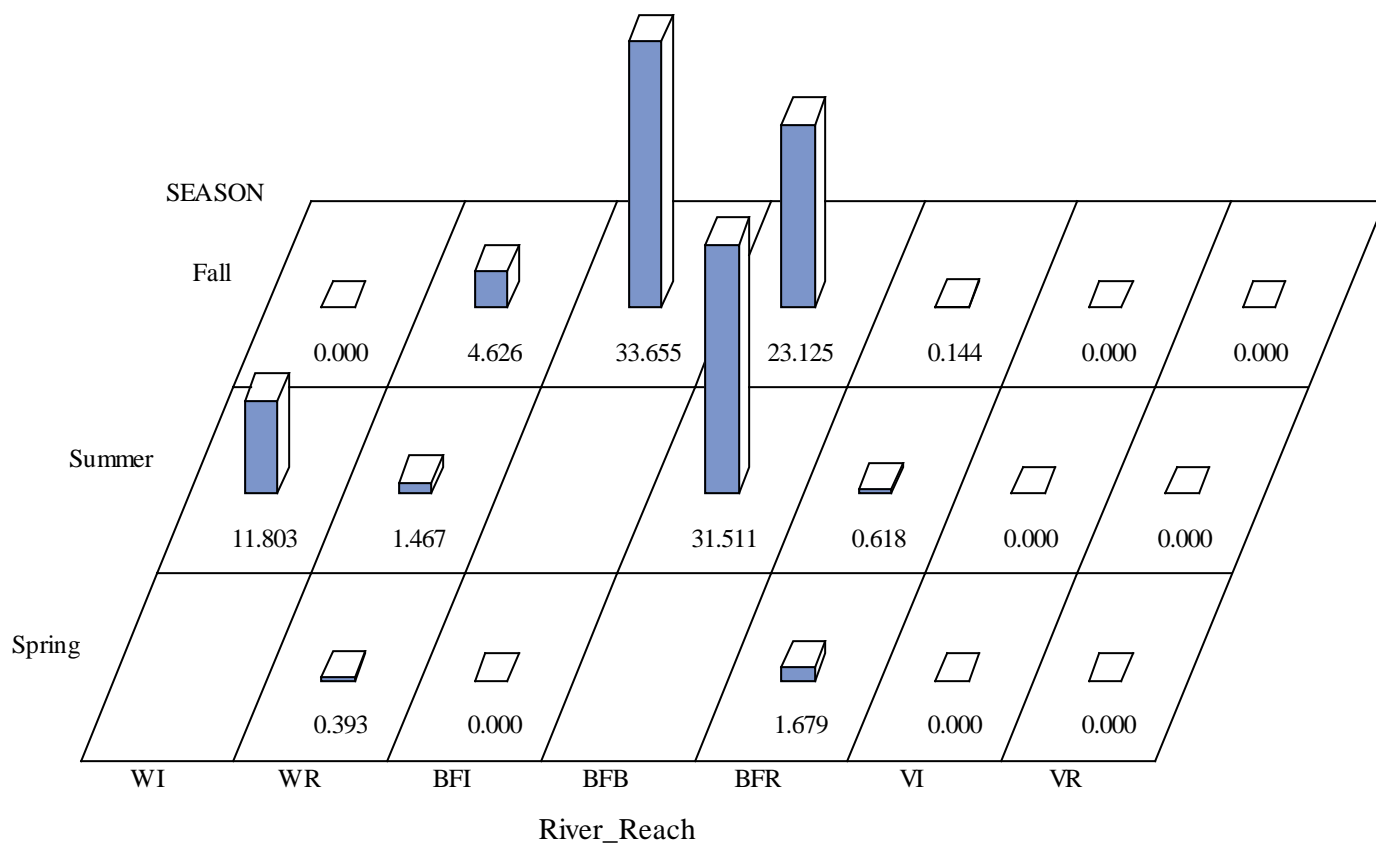
species=Lake chub



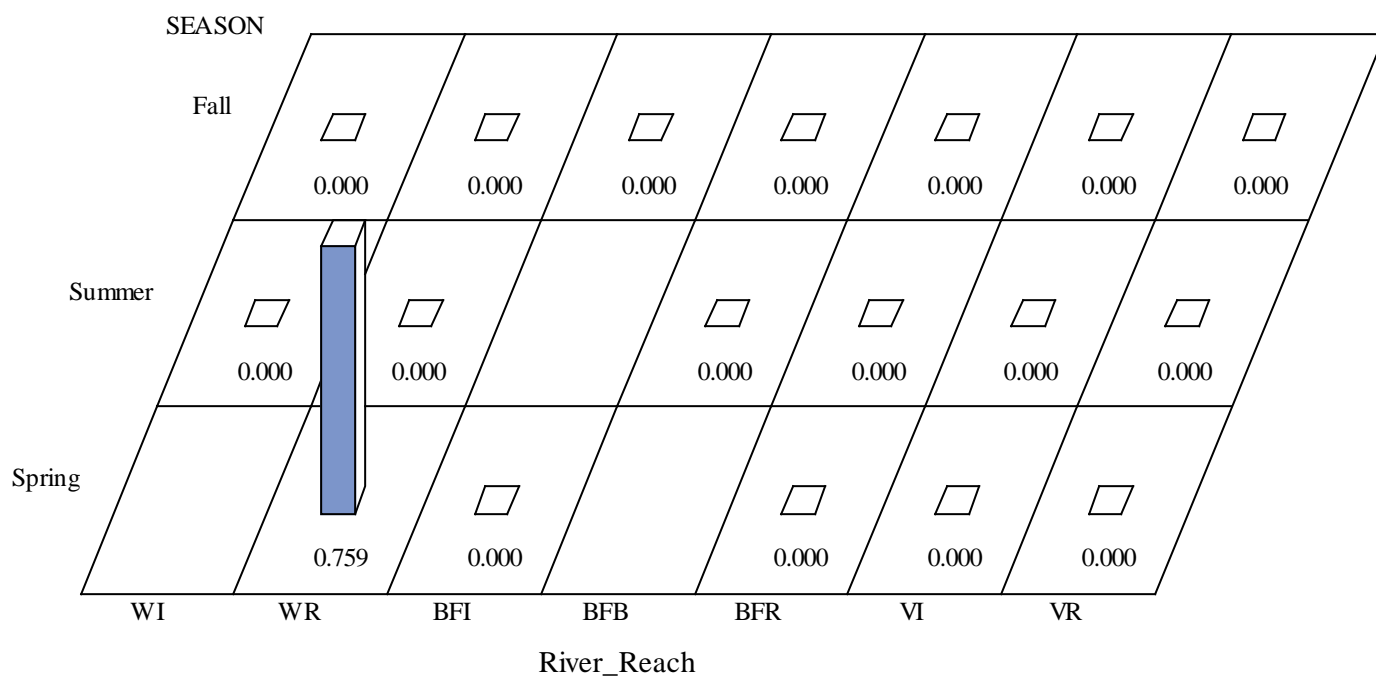
species=Largemouth bass



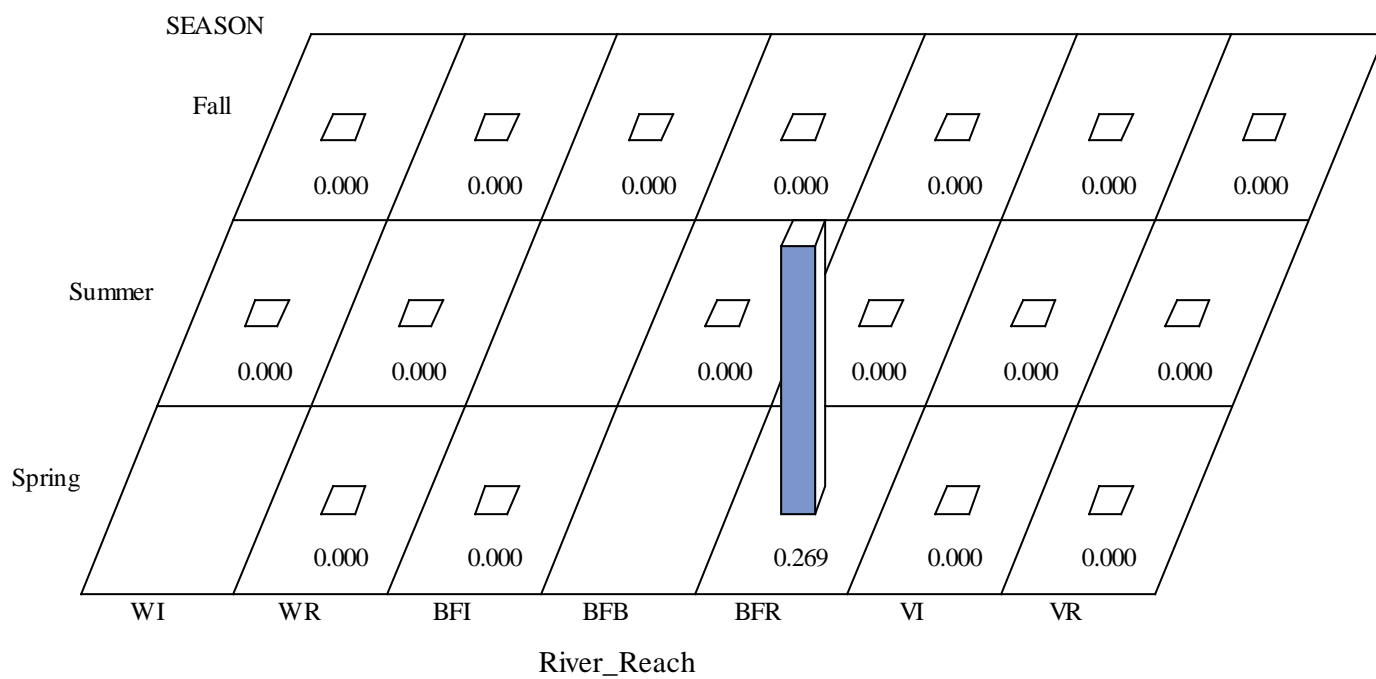
species=Longnose dace



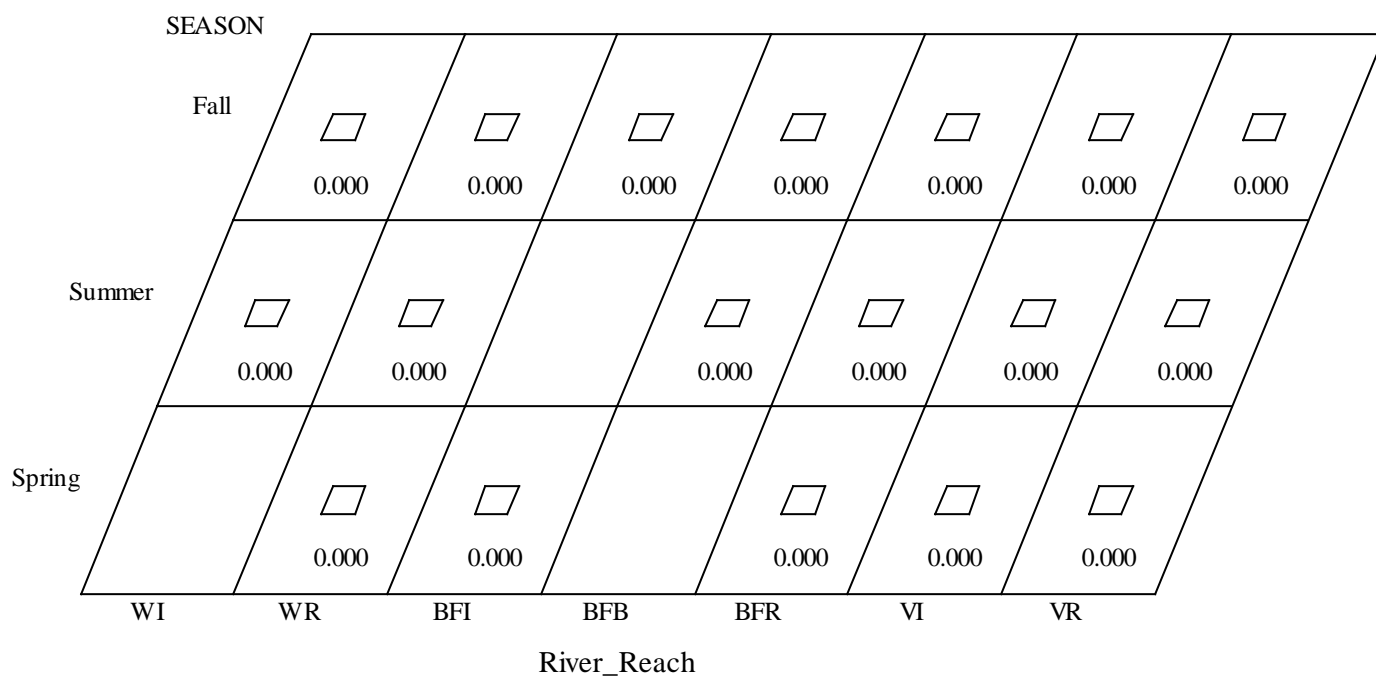
species=Longnose sucker



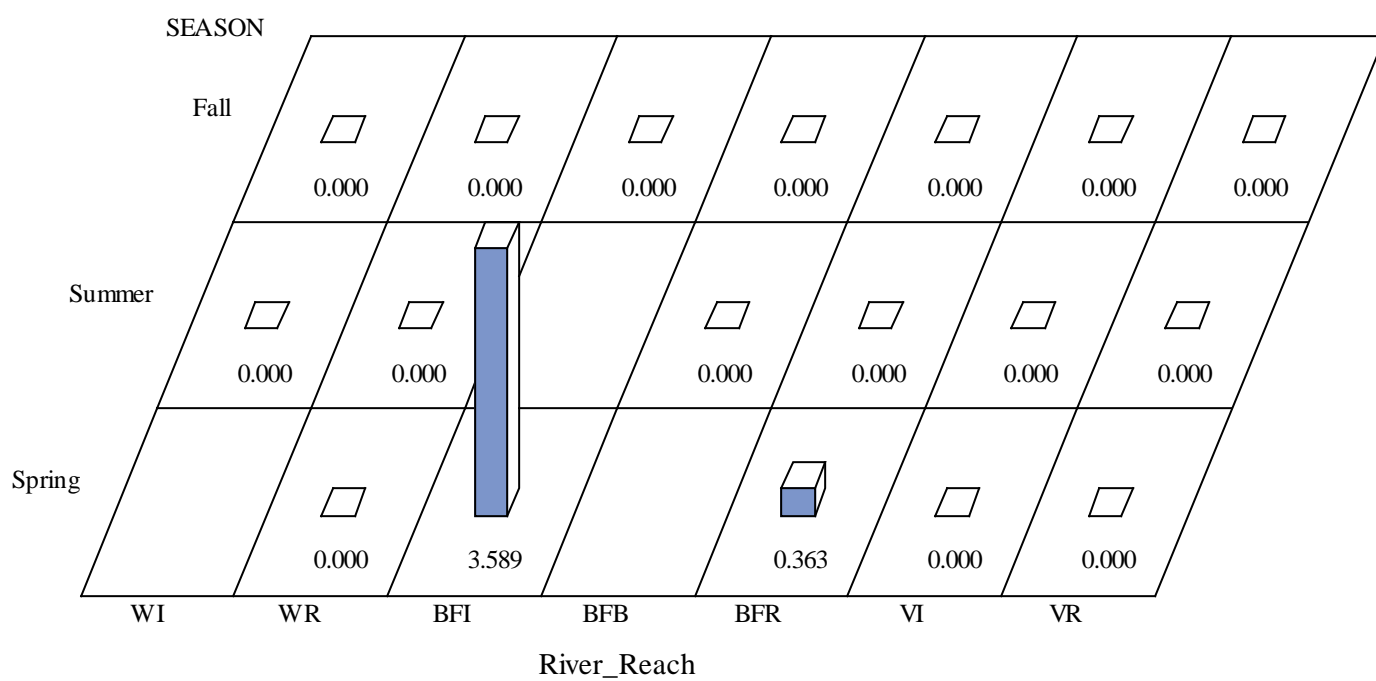
species=Mimic shiner



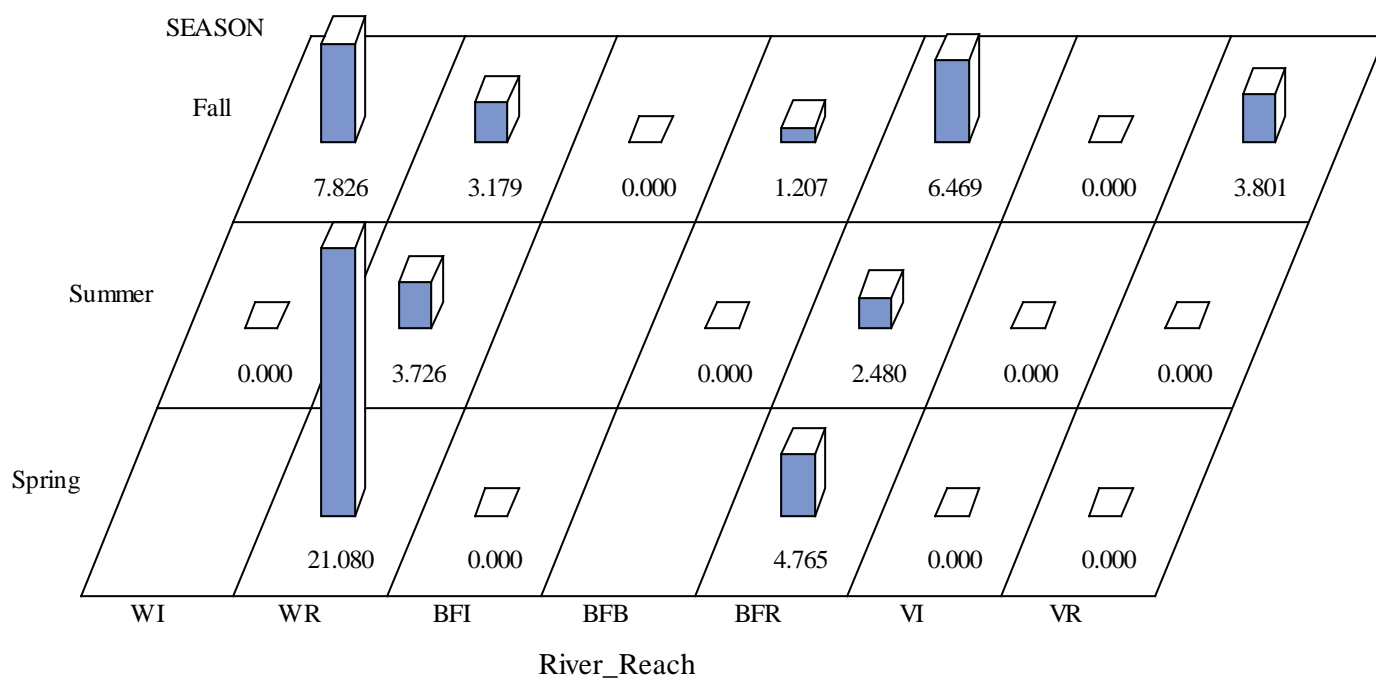
```
species=Northern pike
```



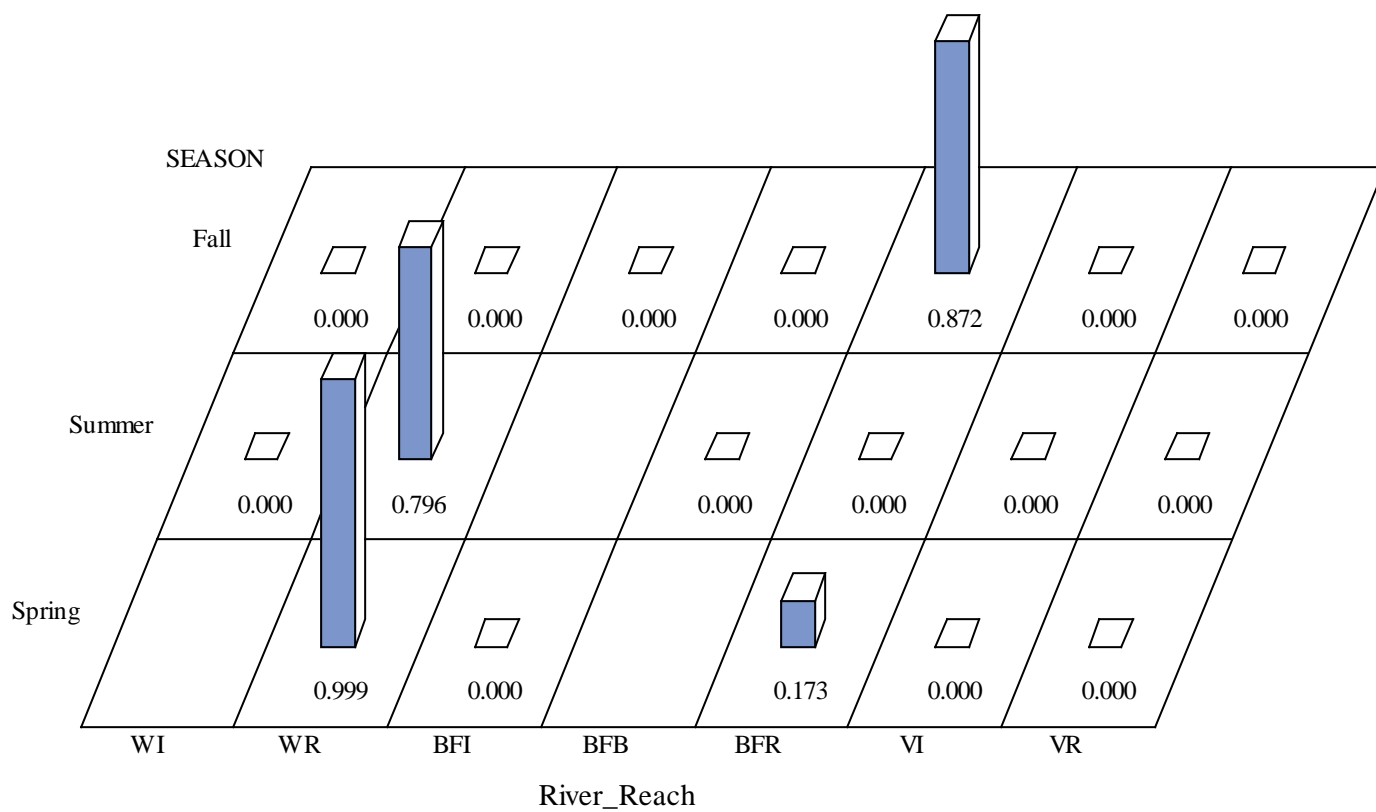
species=Pumpkinseed



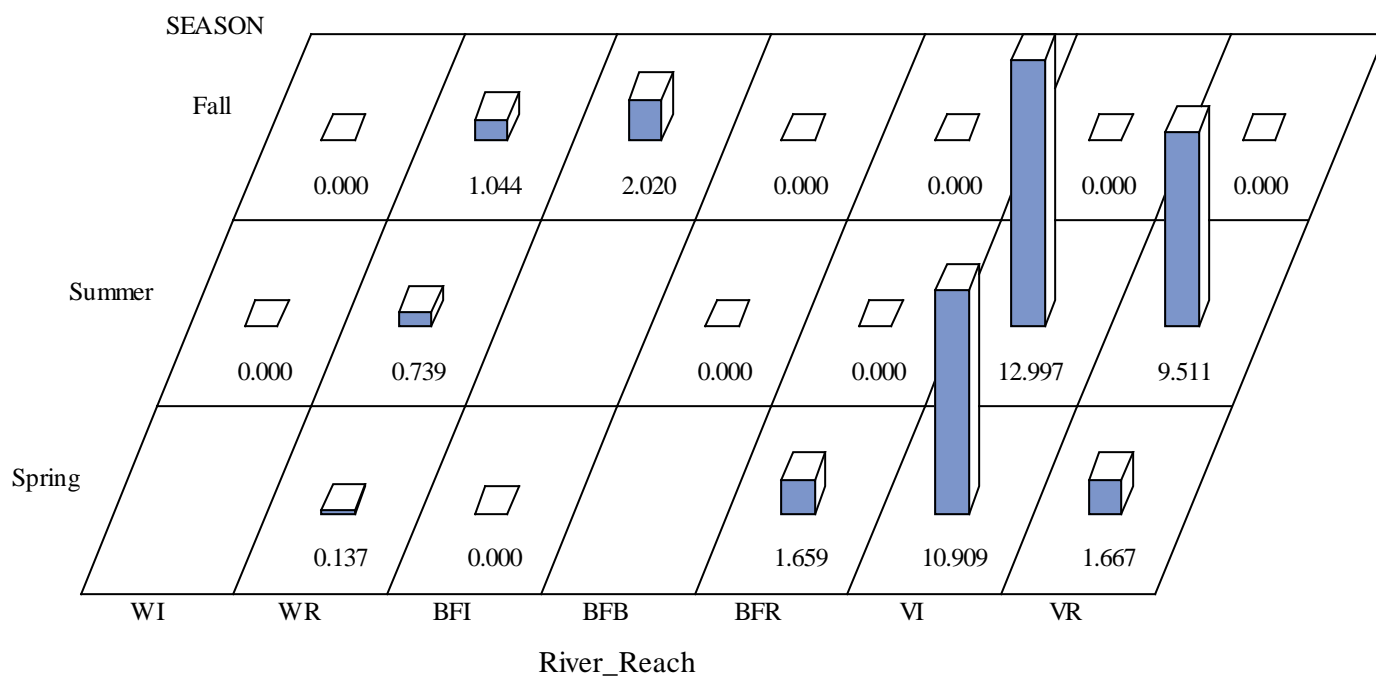
species=Rock bass



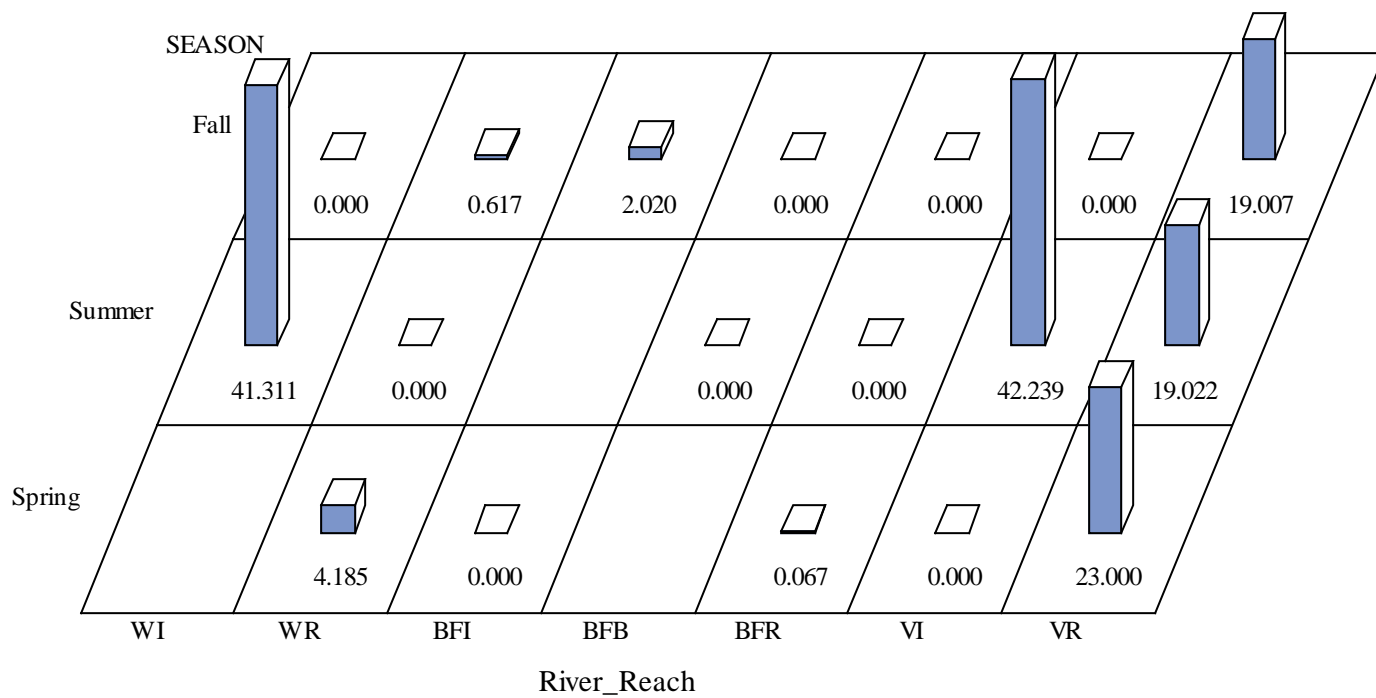
species=Rosyface shiner



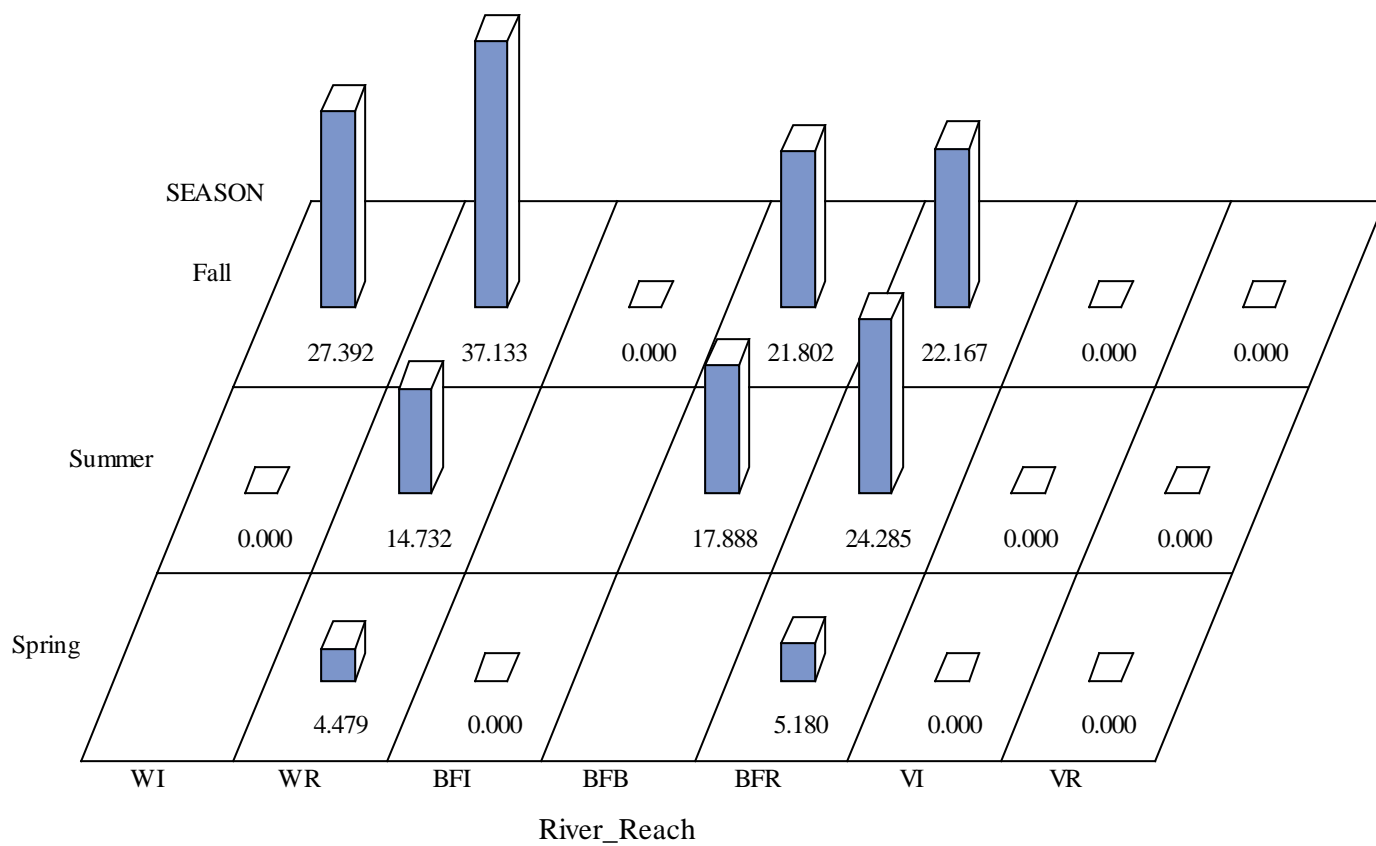
species=Sea lamprey



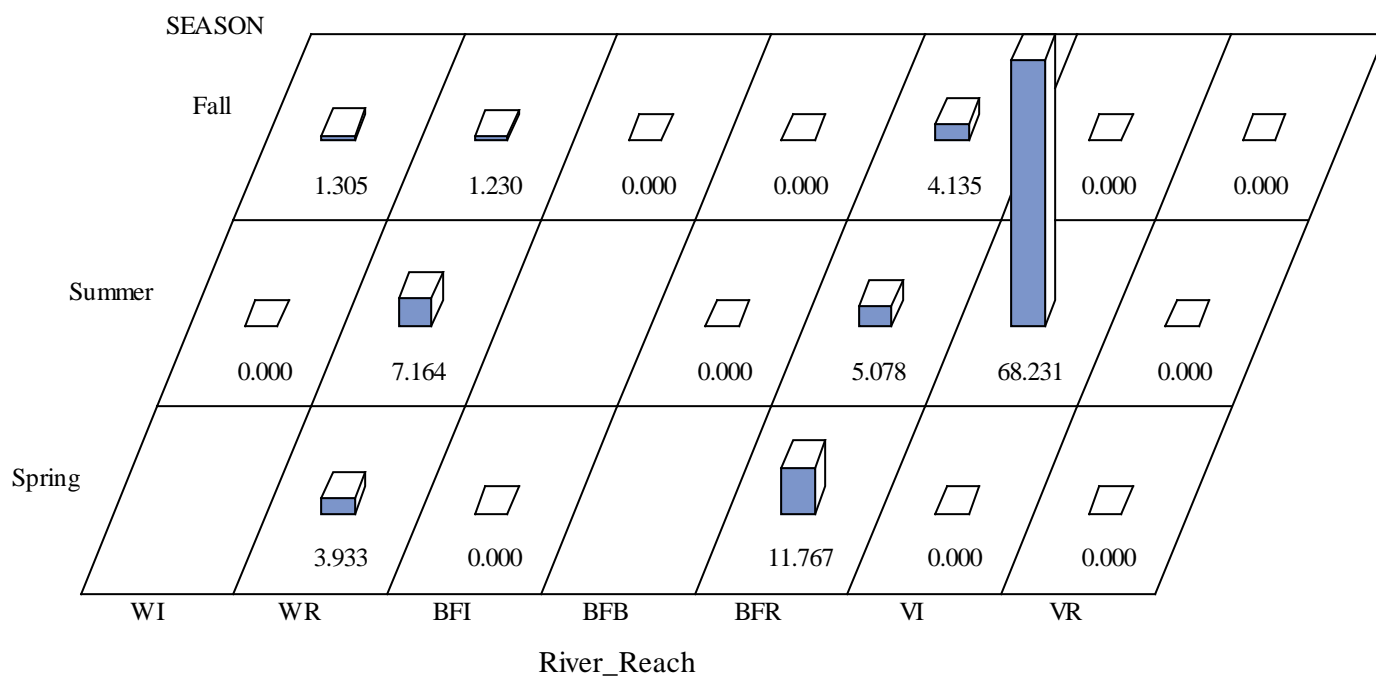
species=Slimy sculpin



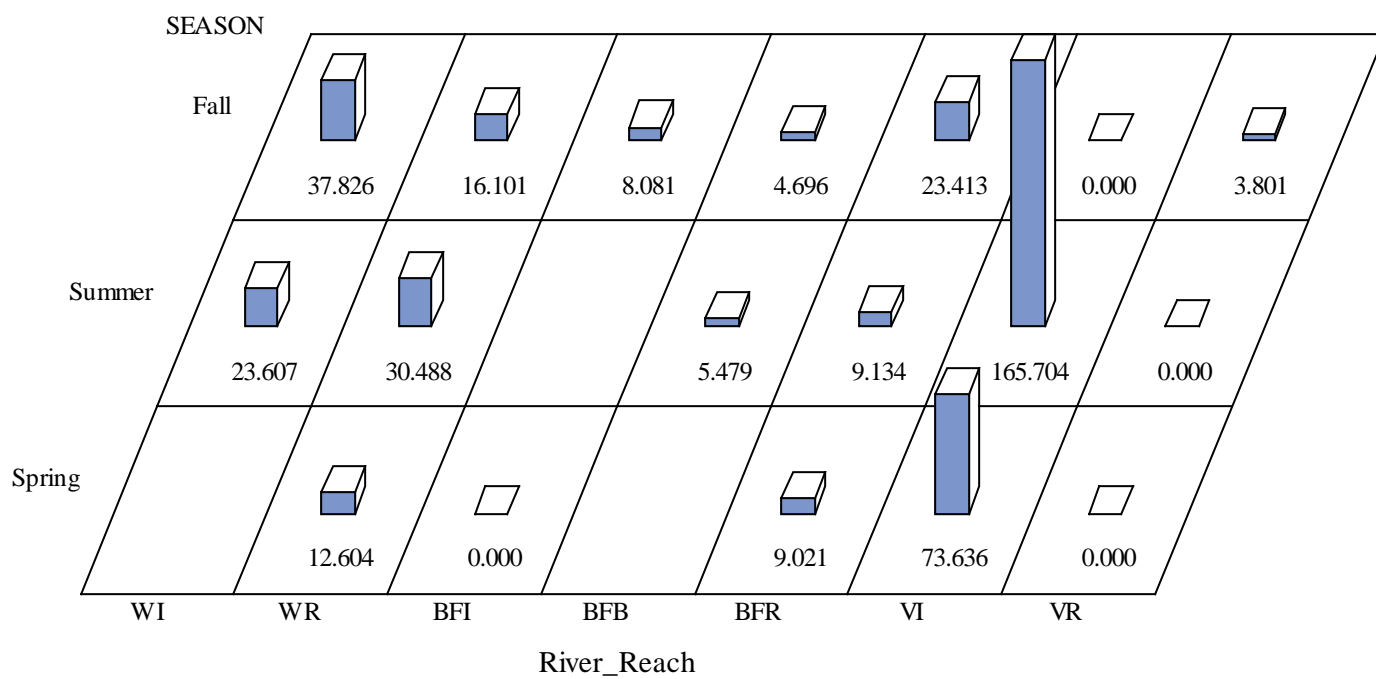
species=Smallmouth bass



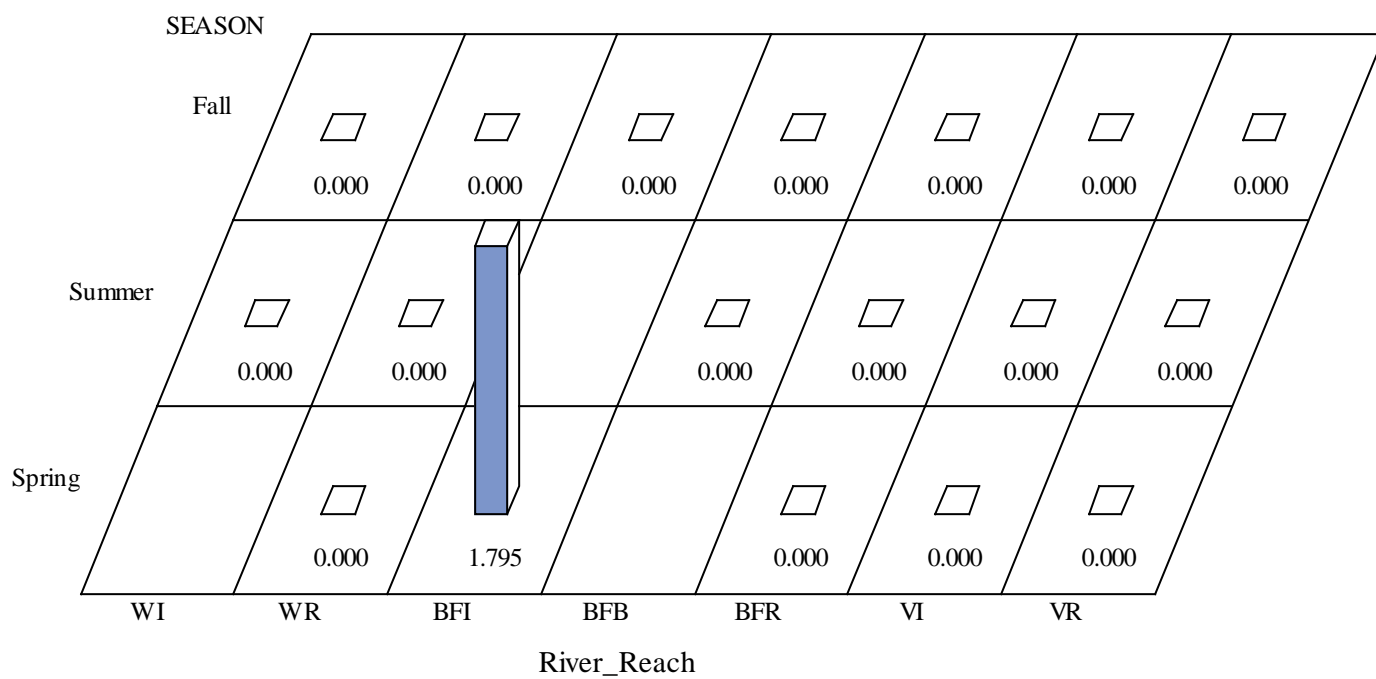
species=Spottail shiner



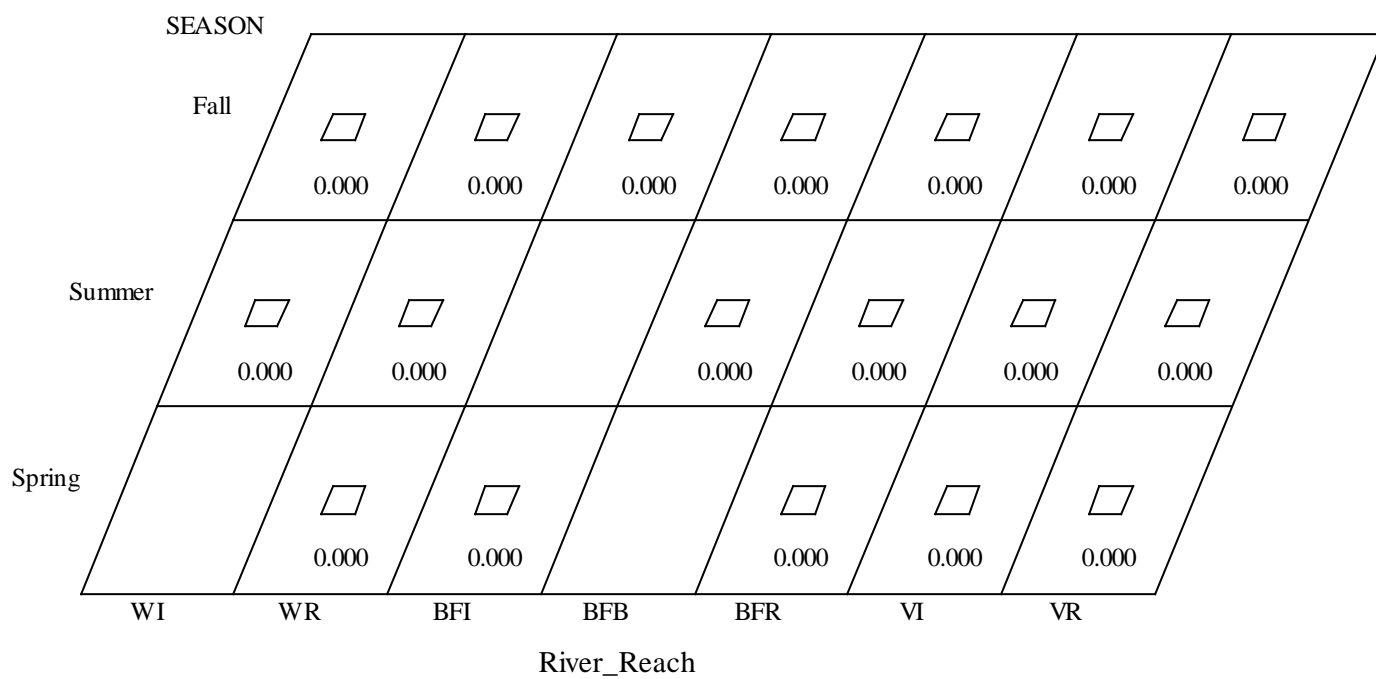
species=Tessellated darter



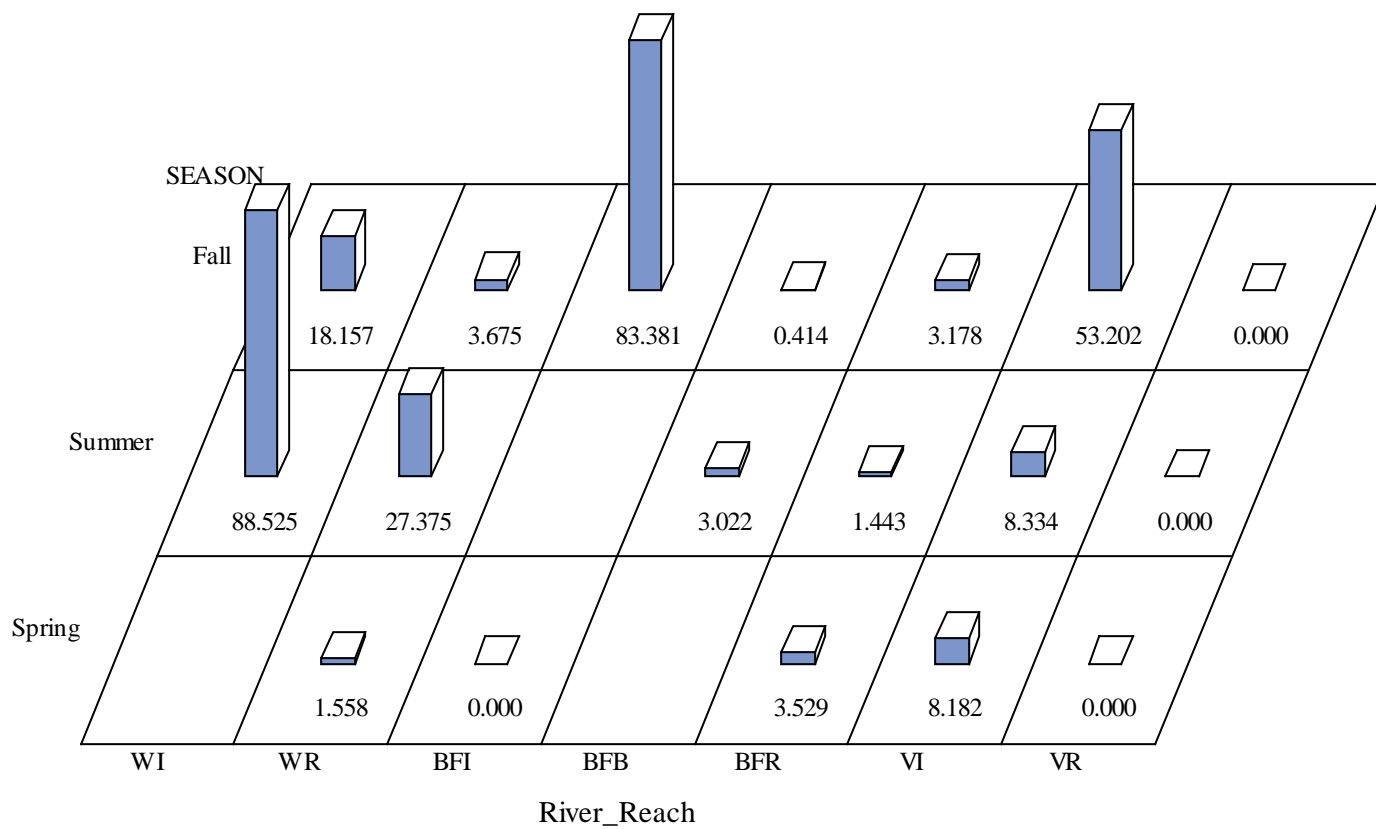
species=Walleye



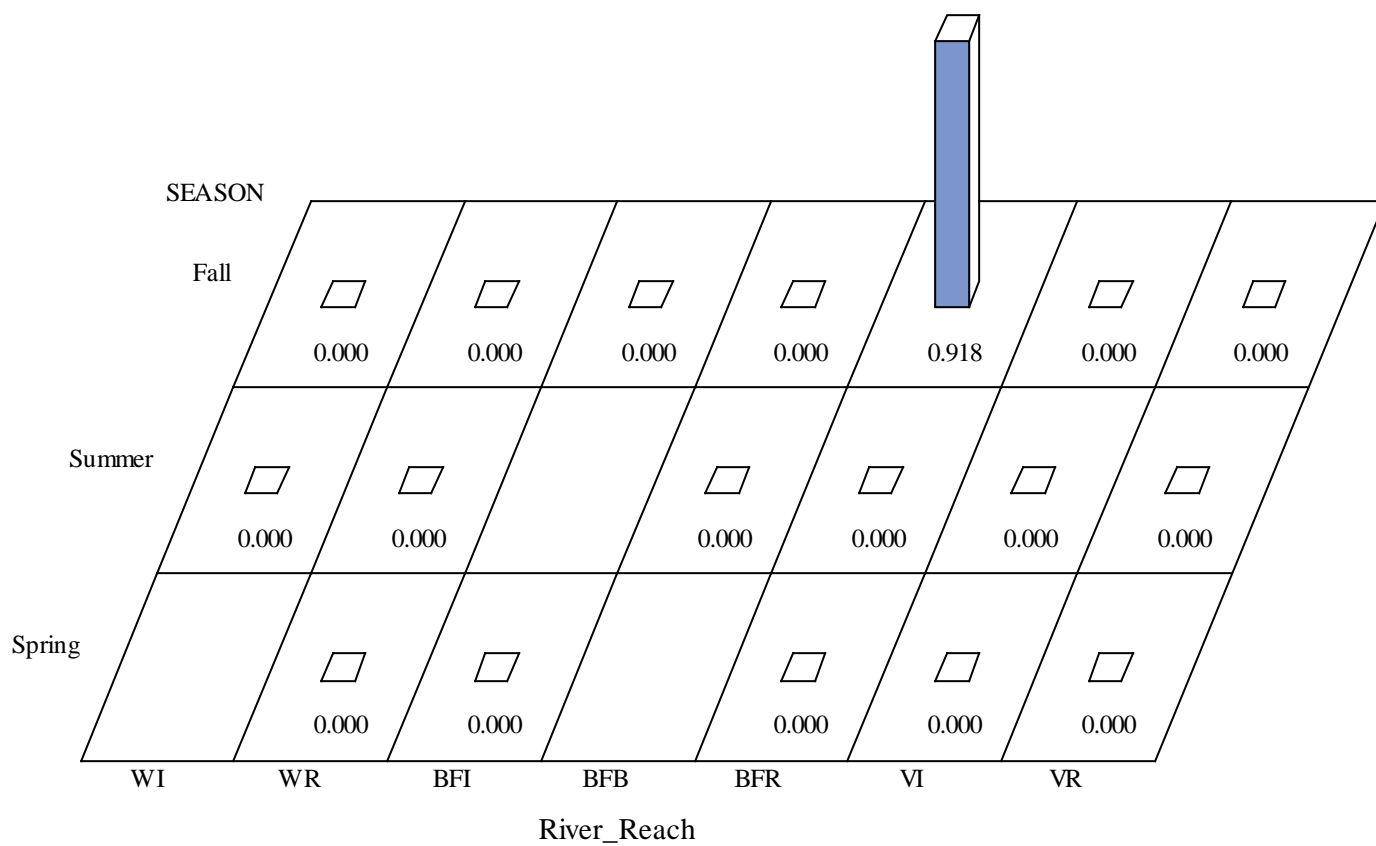
```
species=White perch
```



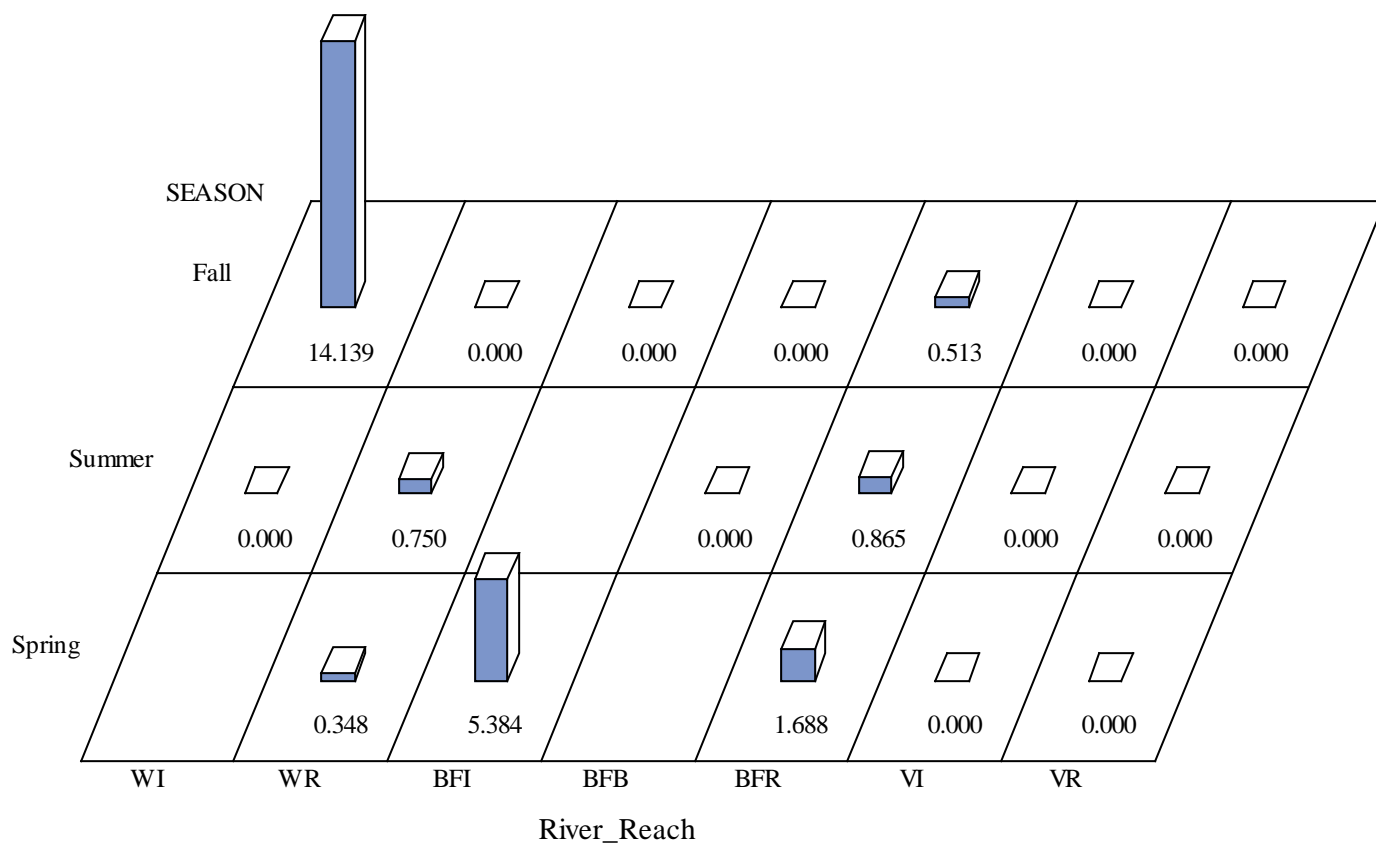
species=White sucker



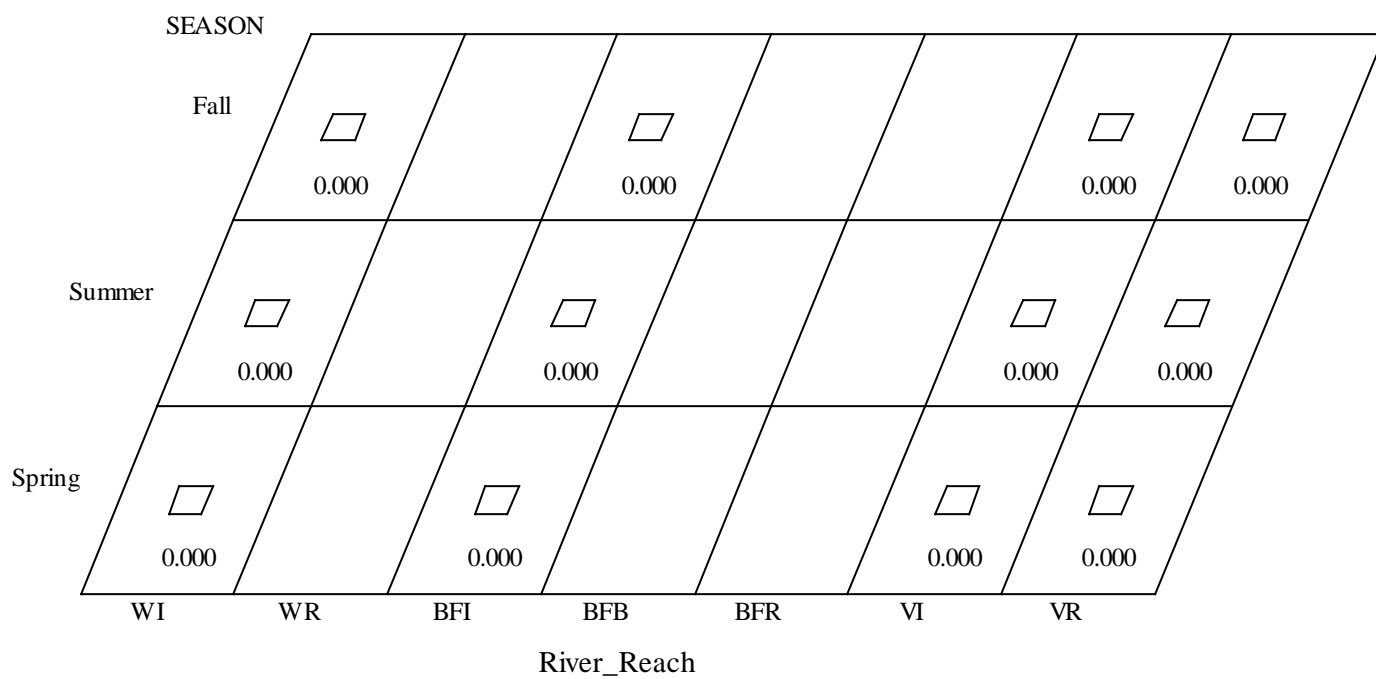
species=Yellow bullhead



species=Yellow perch



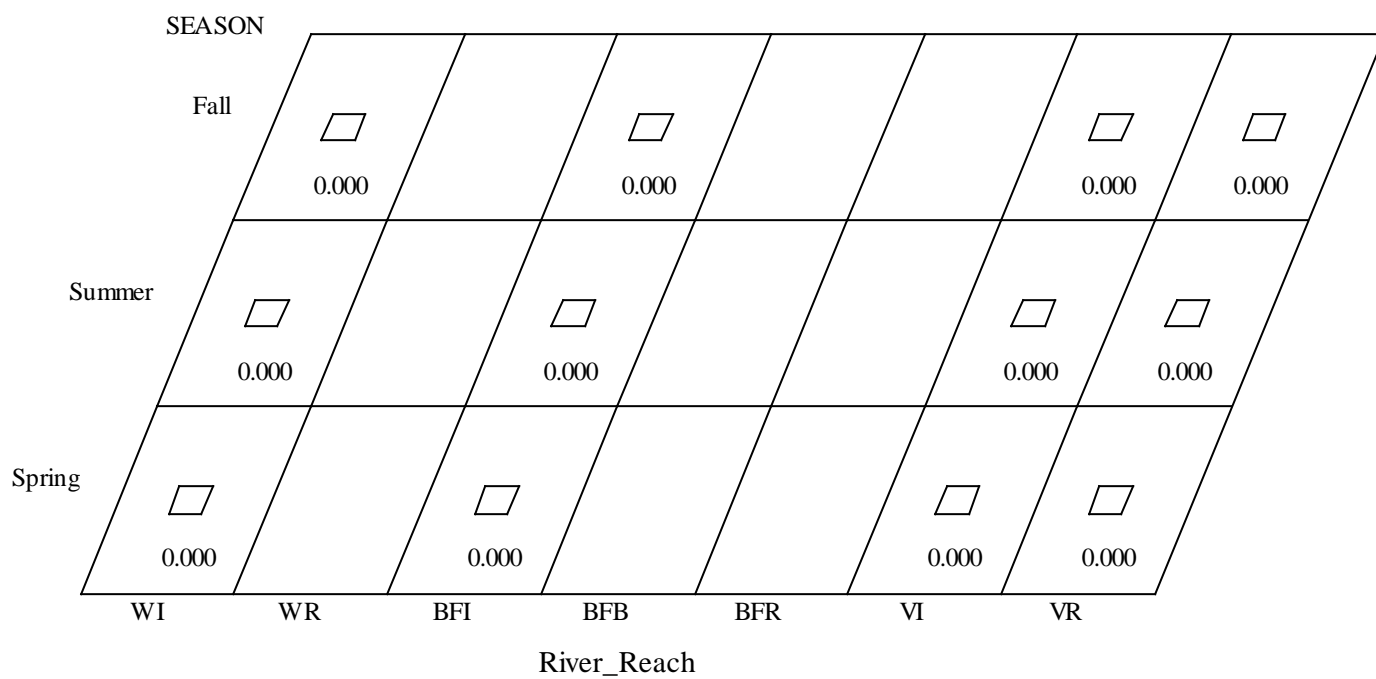
species=American eel



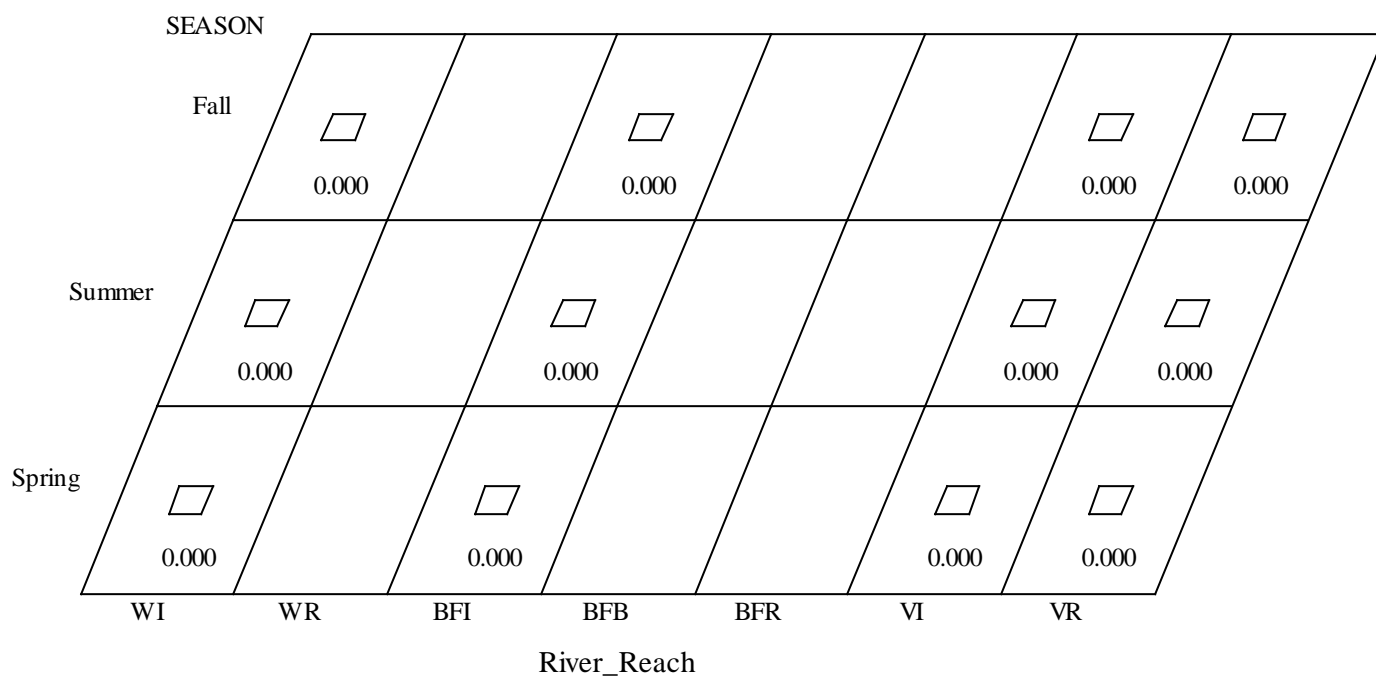
species=American shad

SEASON		River_Reach							
Fall	0.000	WR		BFI		BFR		VR	
		WI	BFB	VI	VR				
Summer	0.000	WR		BFI		BFR		VR	
		WI	BFB	VI	VR				
Spring	0.000	WR		BFI		BFR		VR	
		WI	BFB	VI	VR				

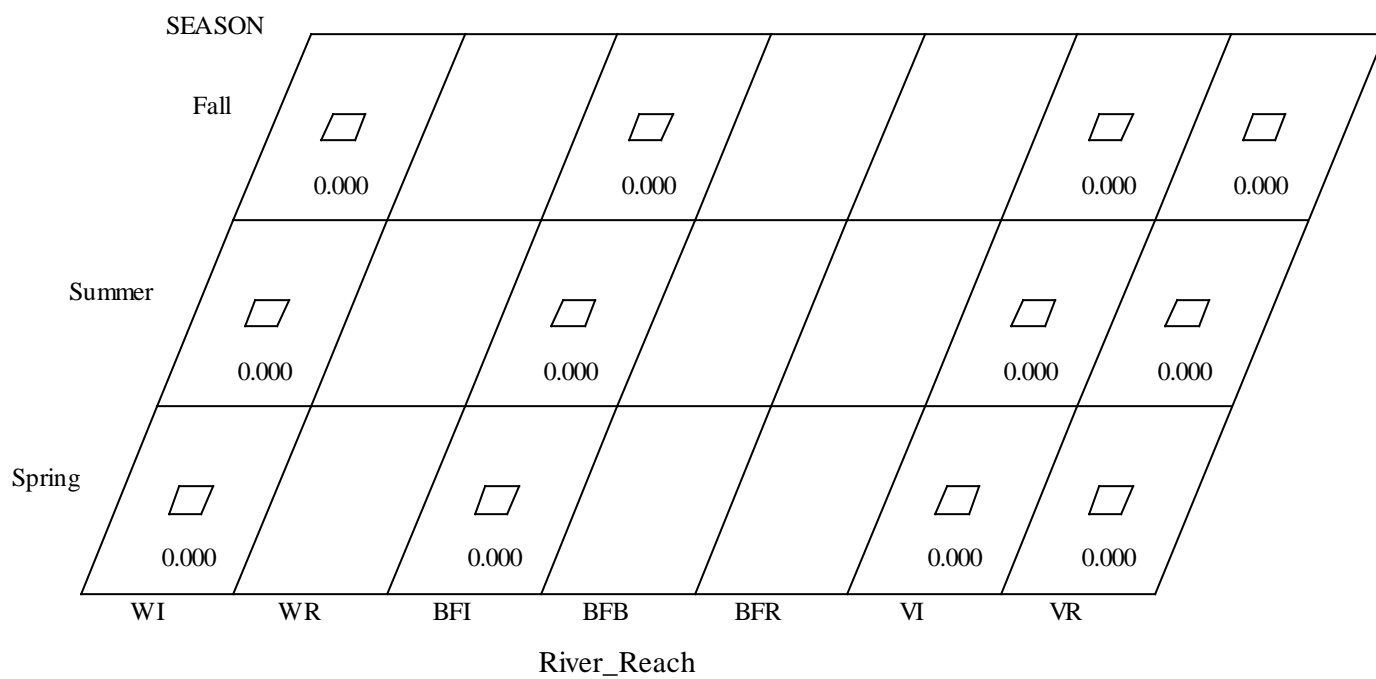
species=Banded killifish



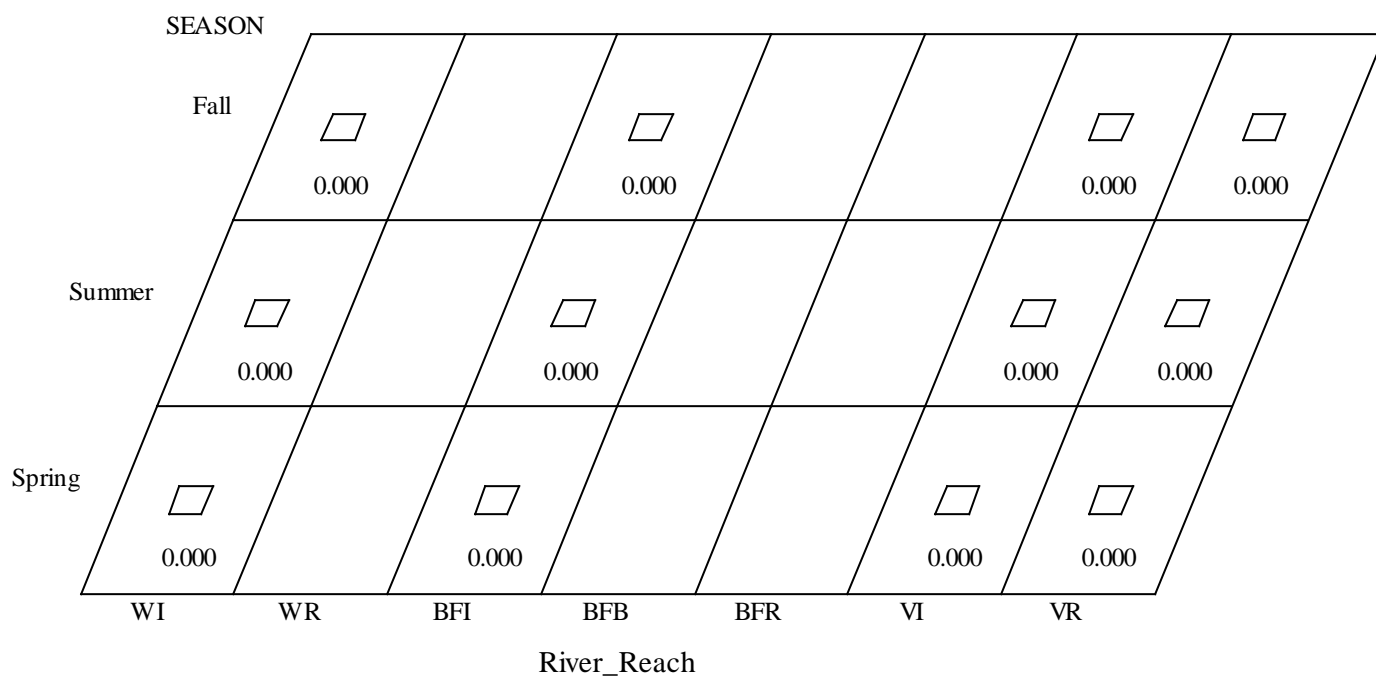
species=Black crappie



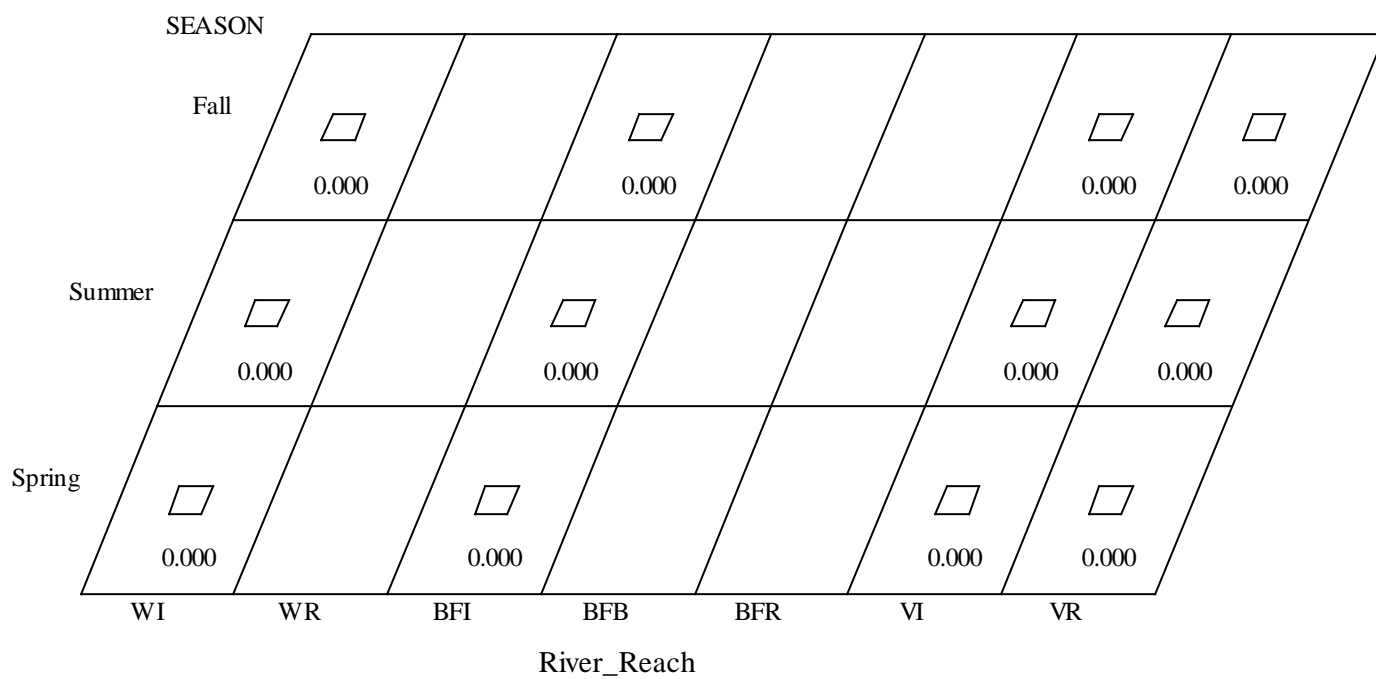
species=Blacknose dace



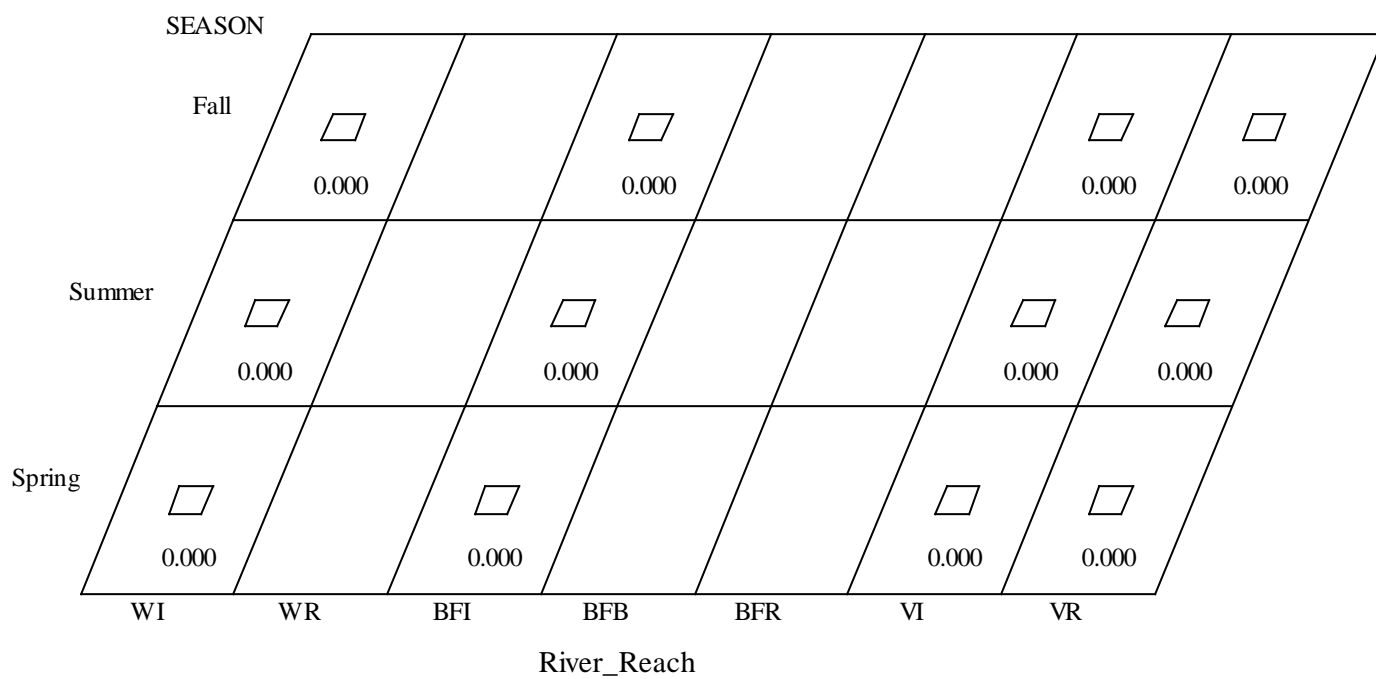
species=Blacknose shiner



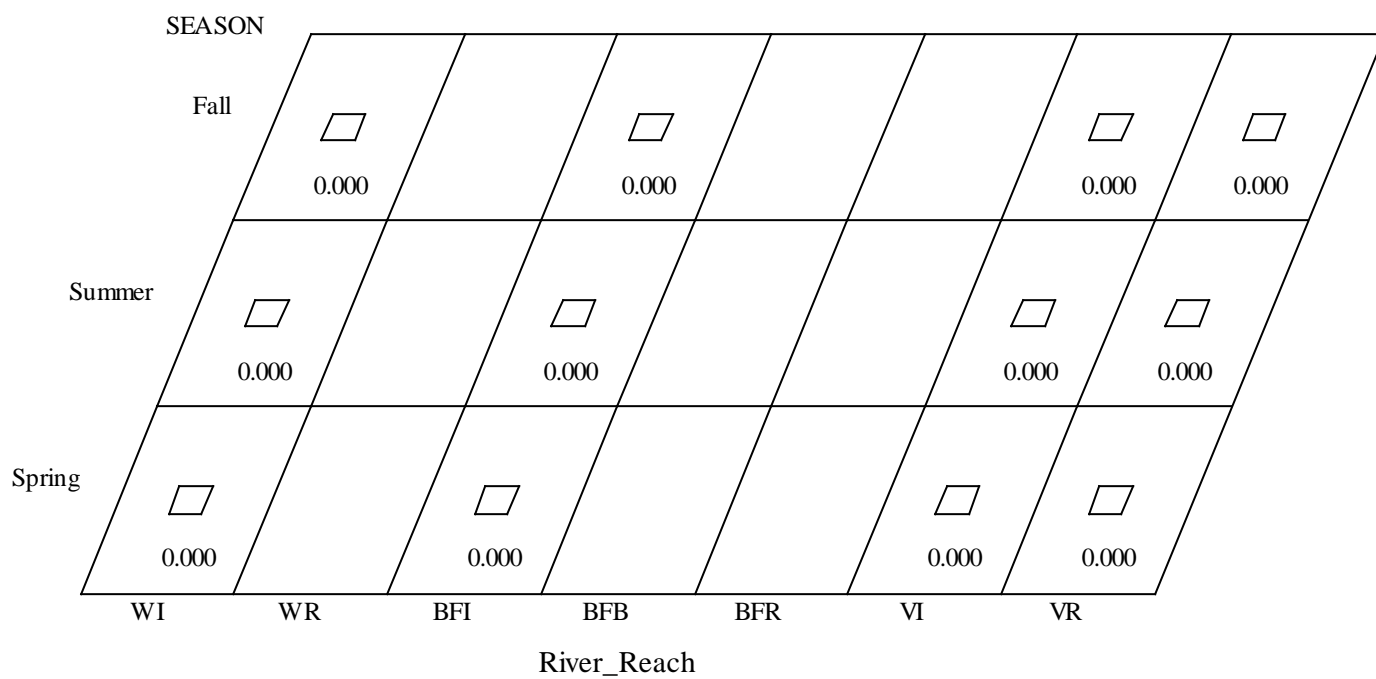
species=Bluegill



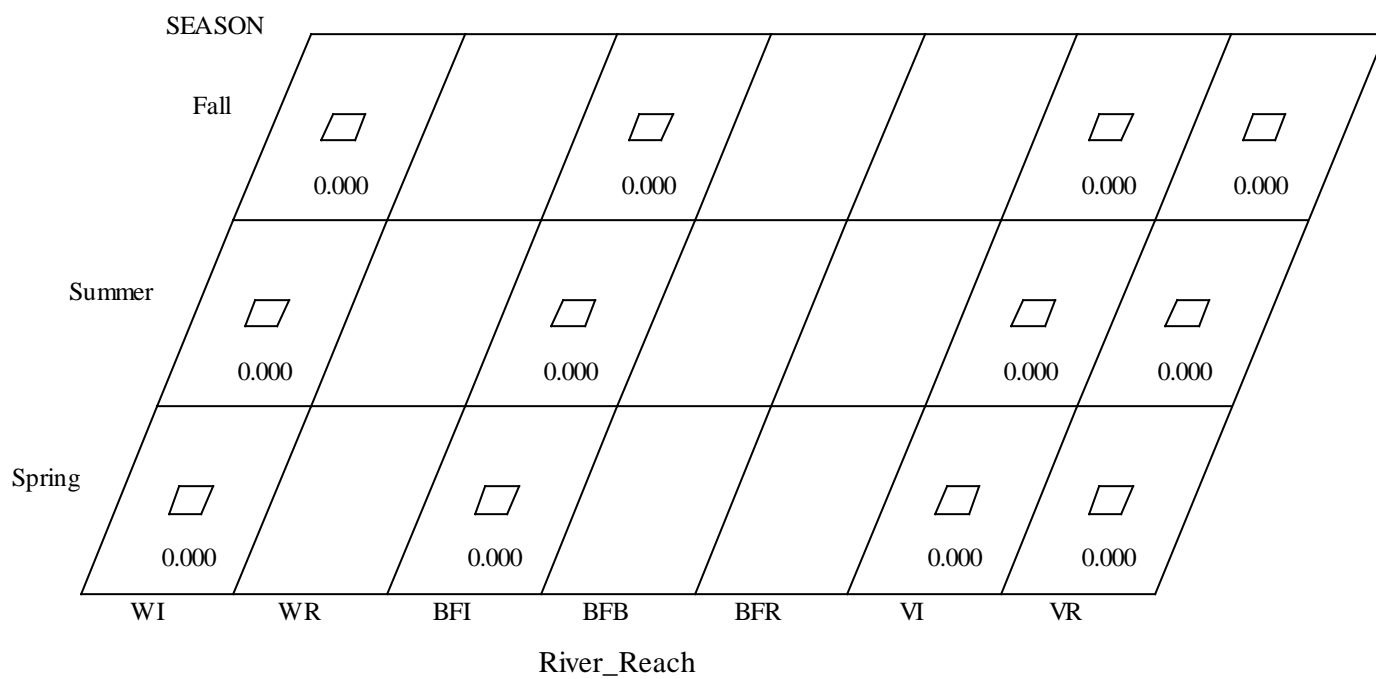
species=Bluntnose minnow



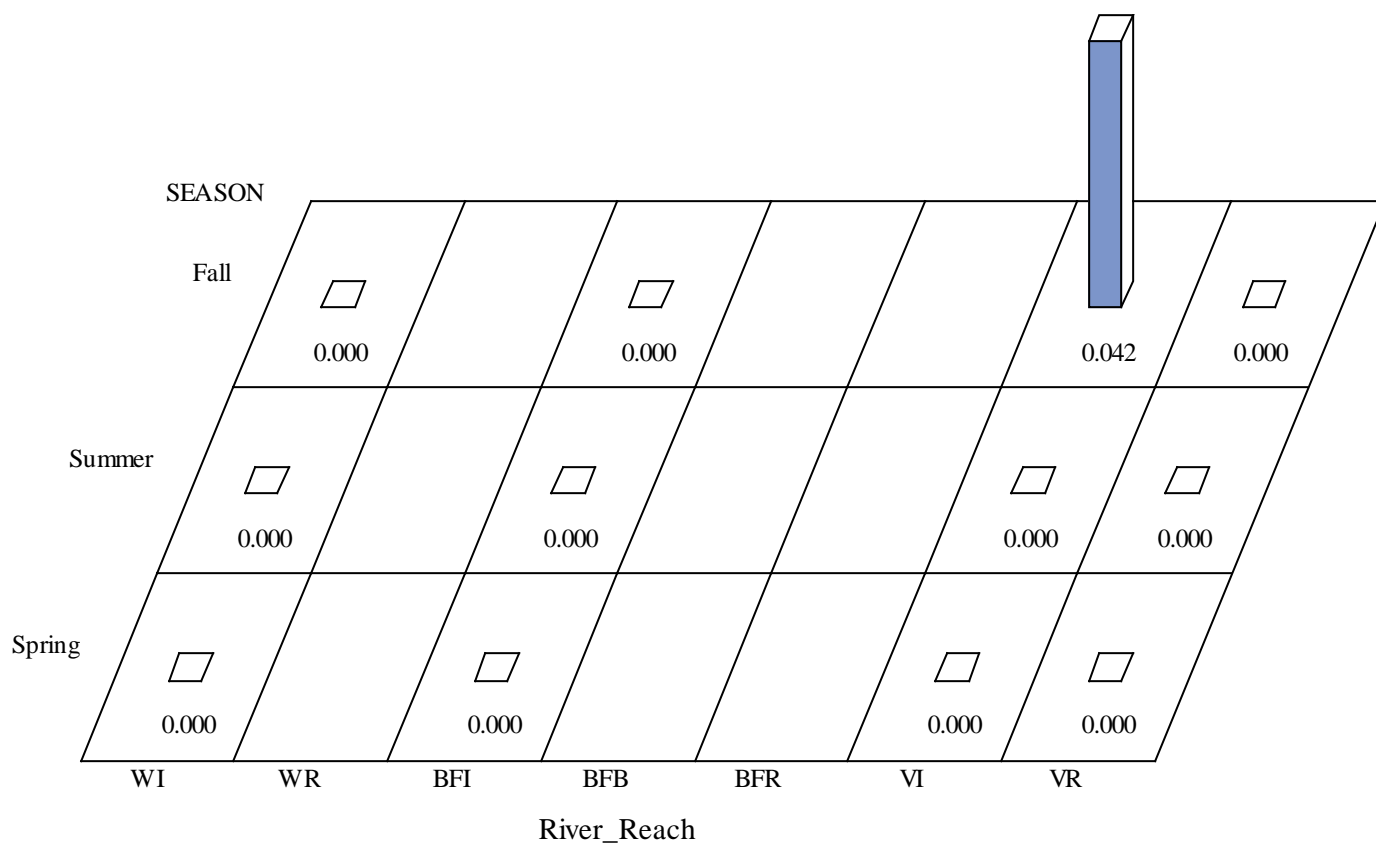
species=Bridle shiner



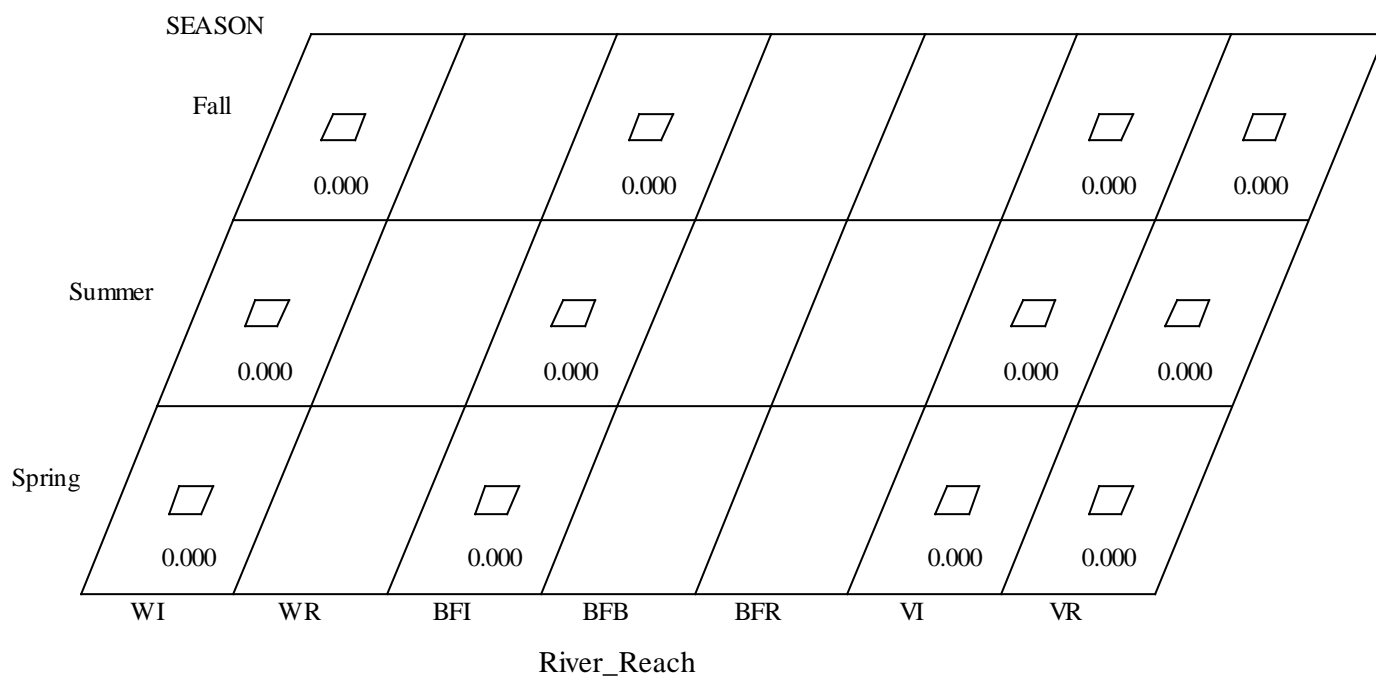
species=Brook trout



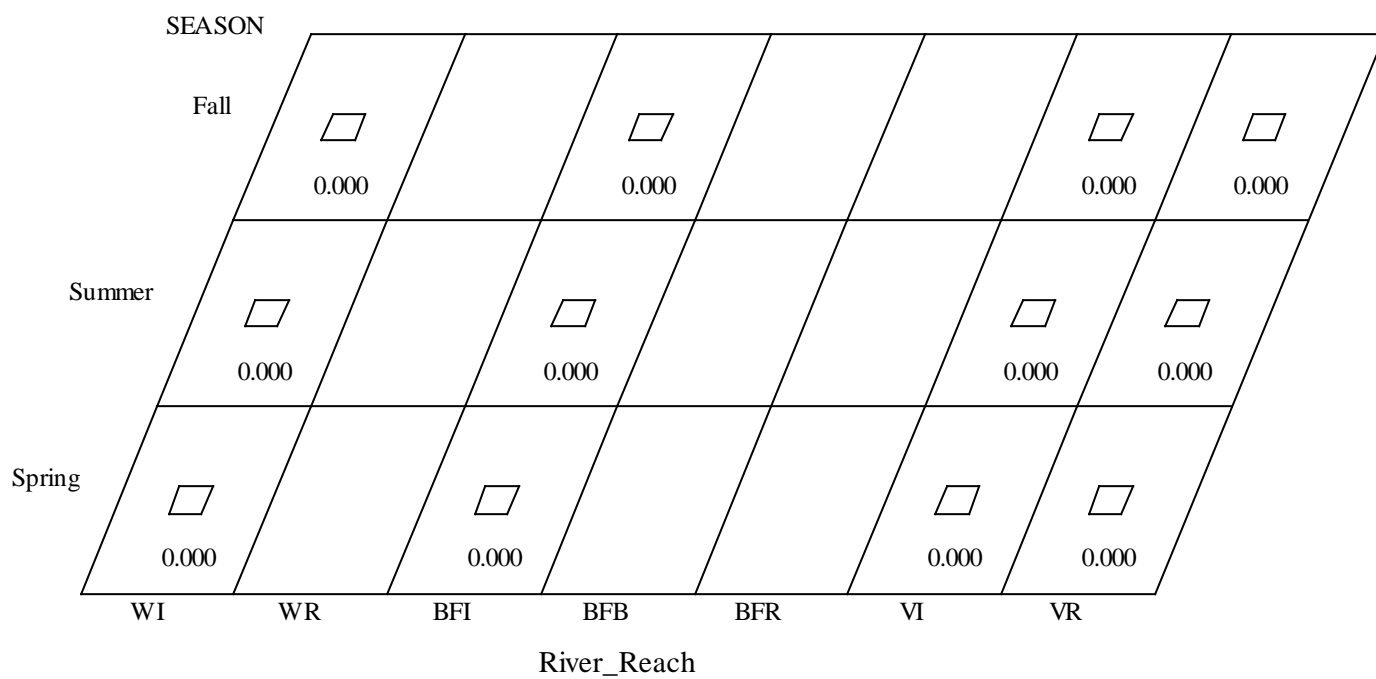
species=Brown bullhead



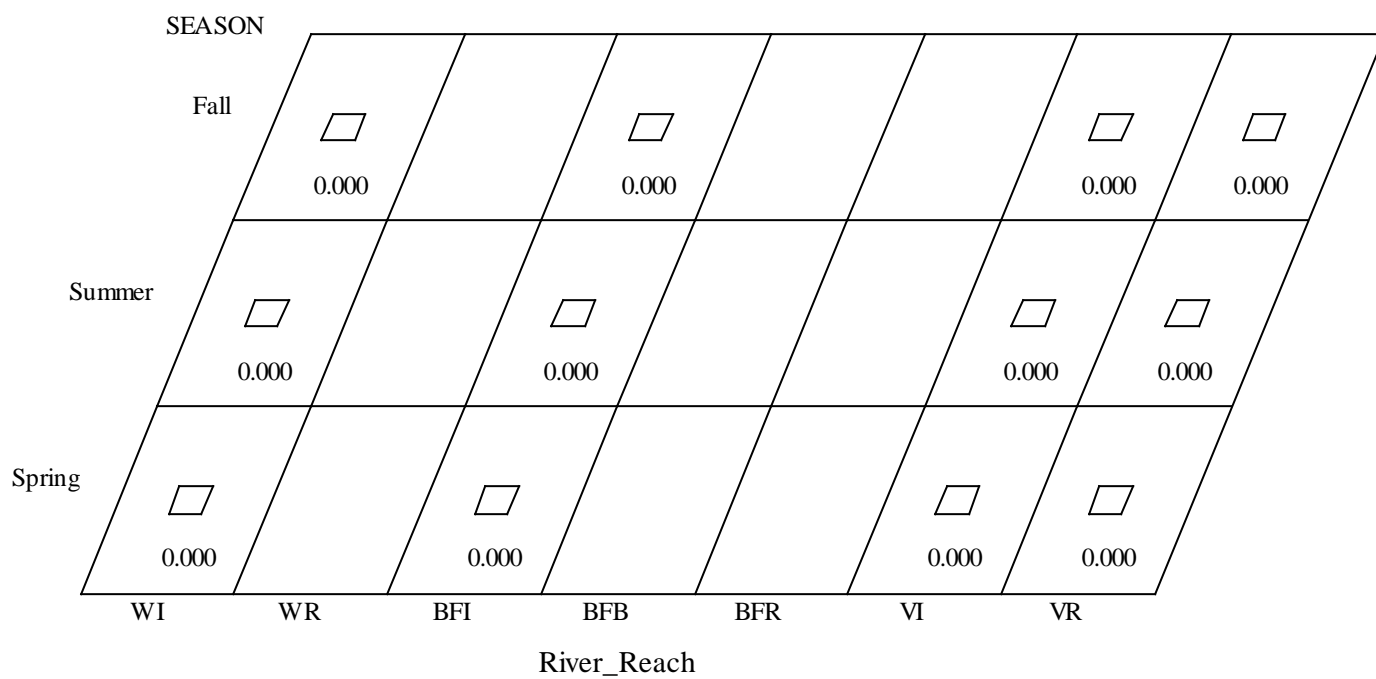
species=Brown trout



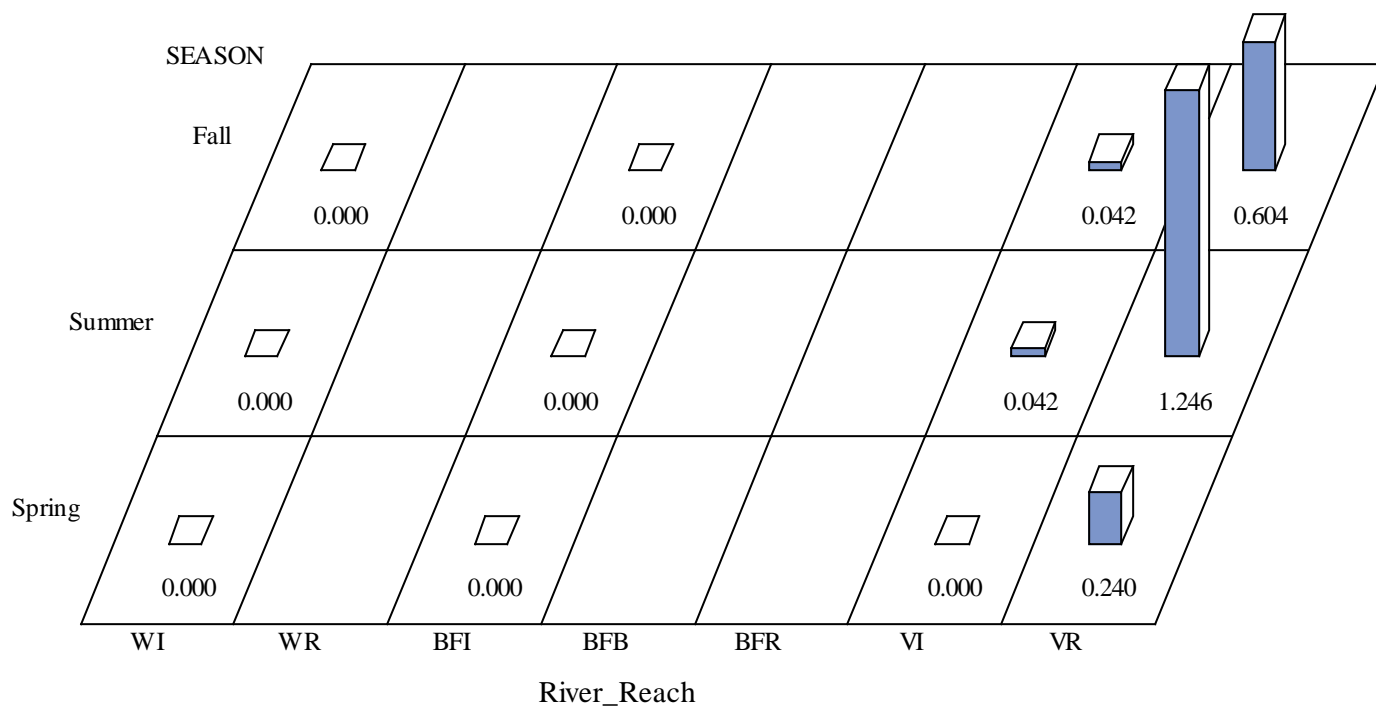
species=Burbot



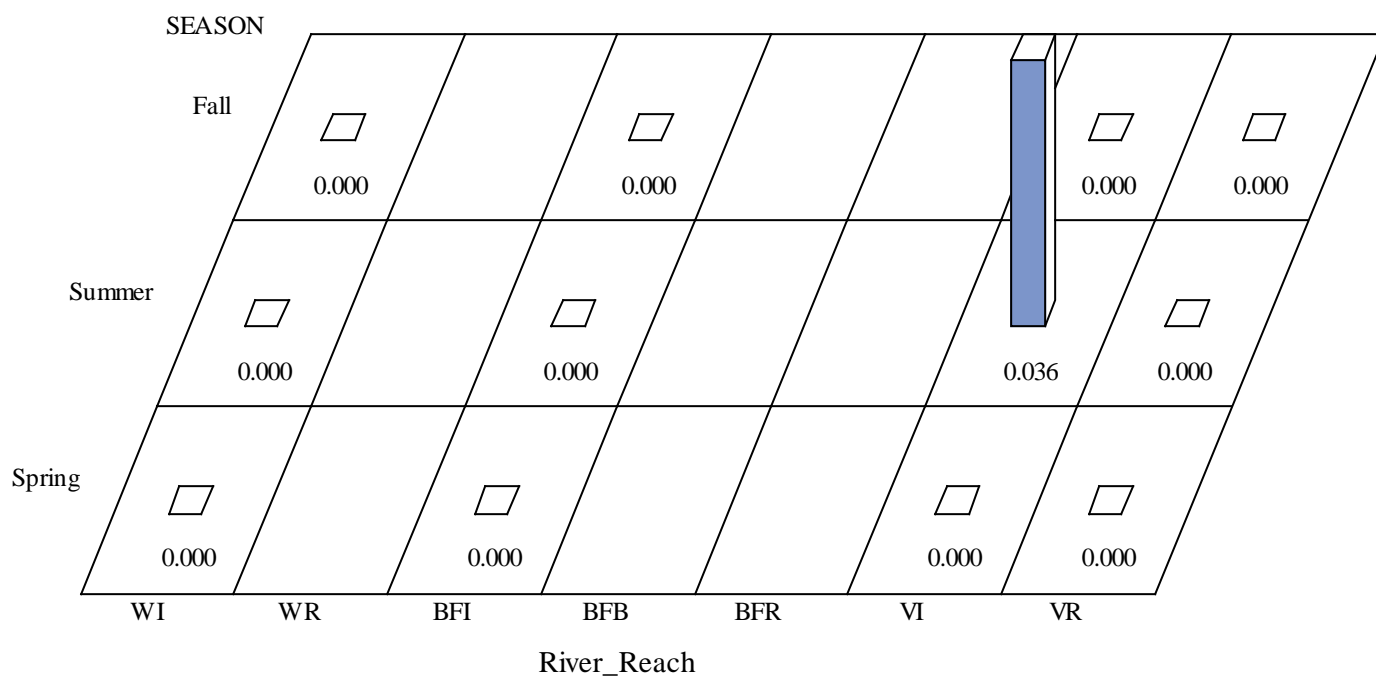
species=Chain pickerel



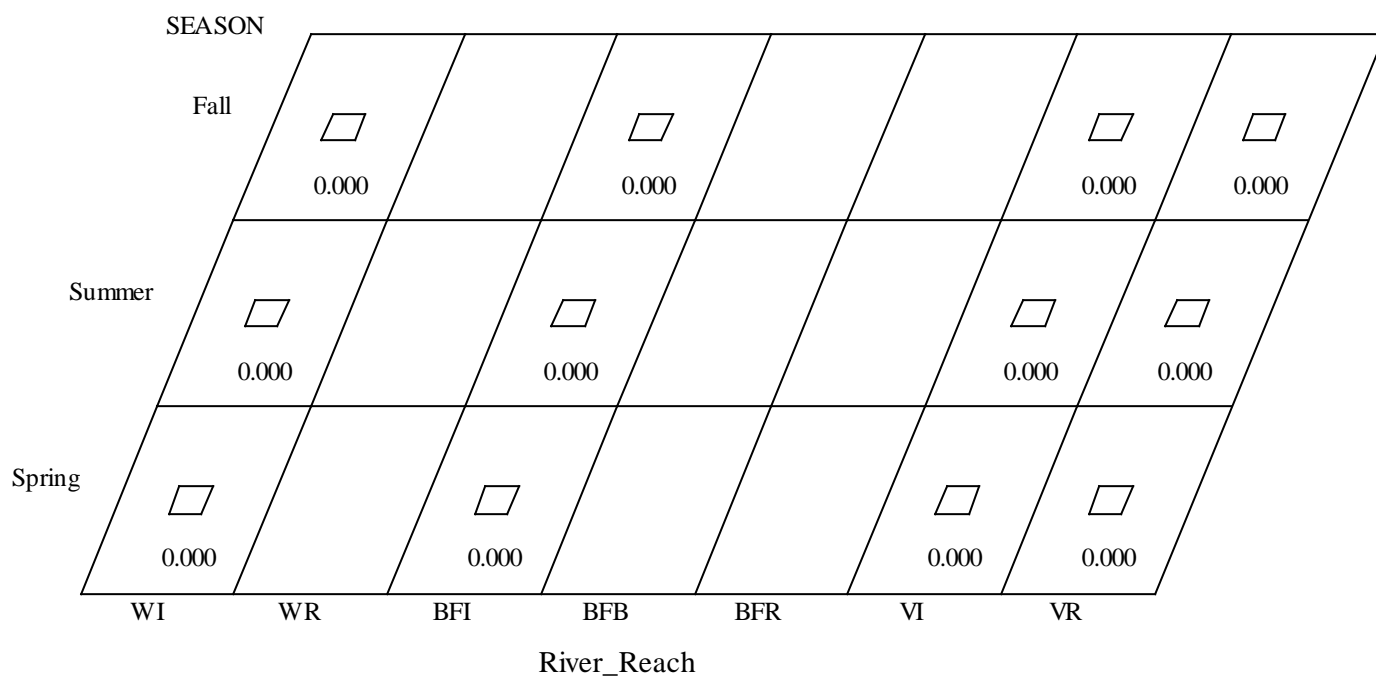
species=Channel catfish



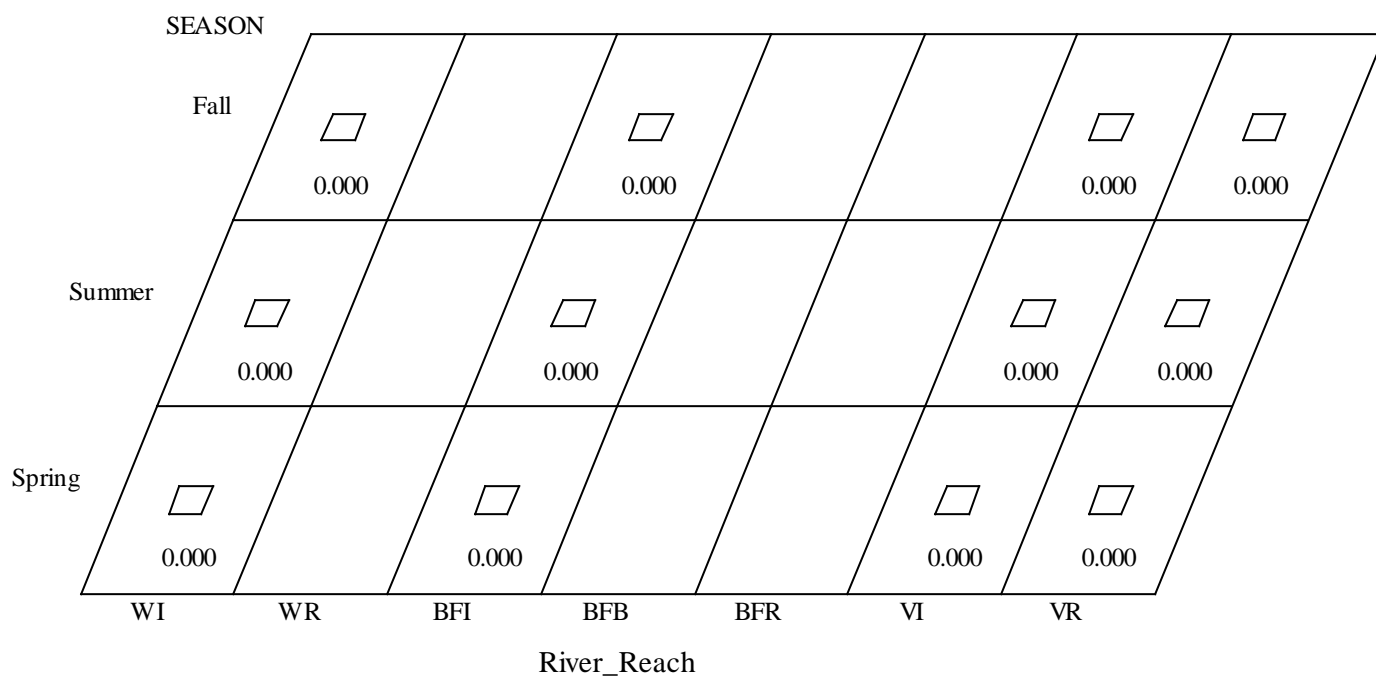
species=Common carp



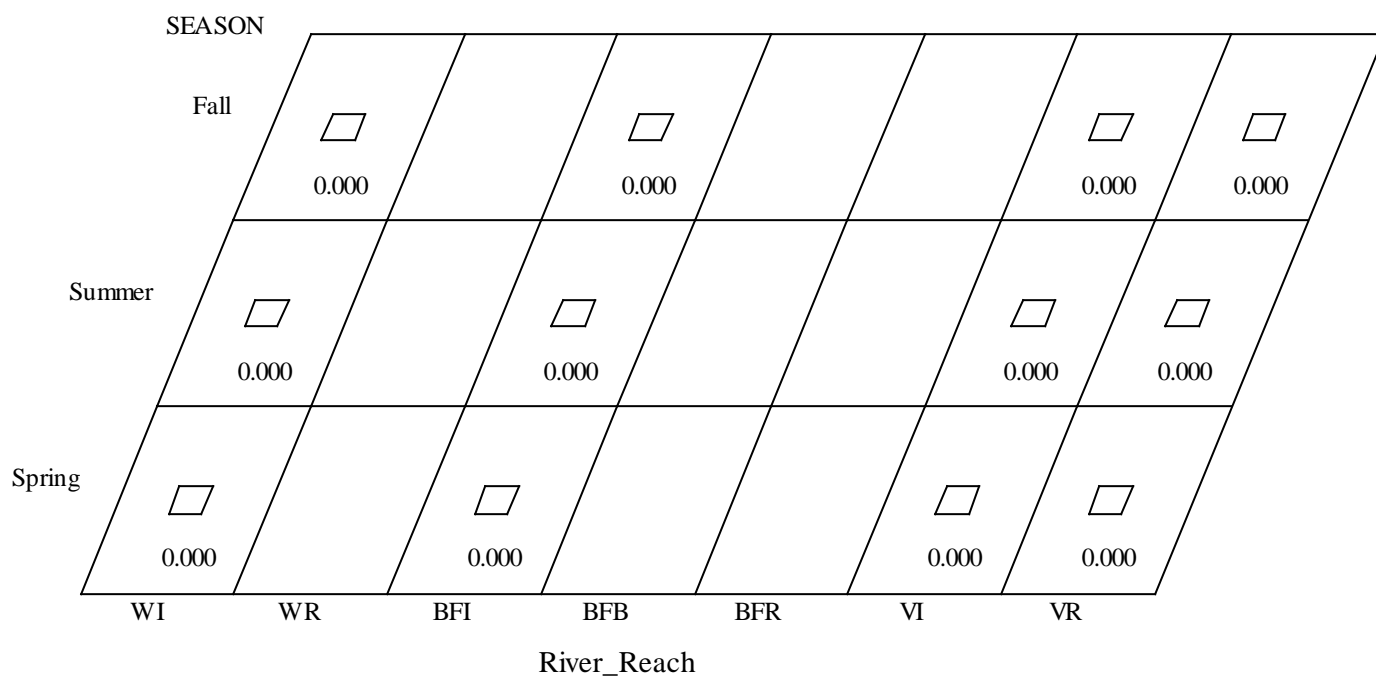
species=Common shiner

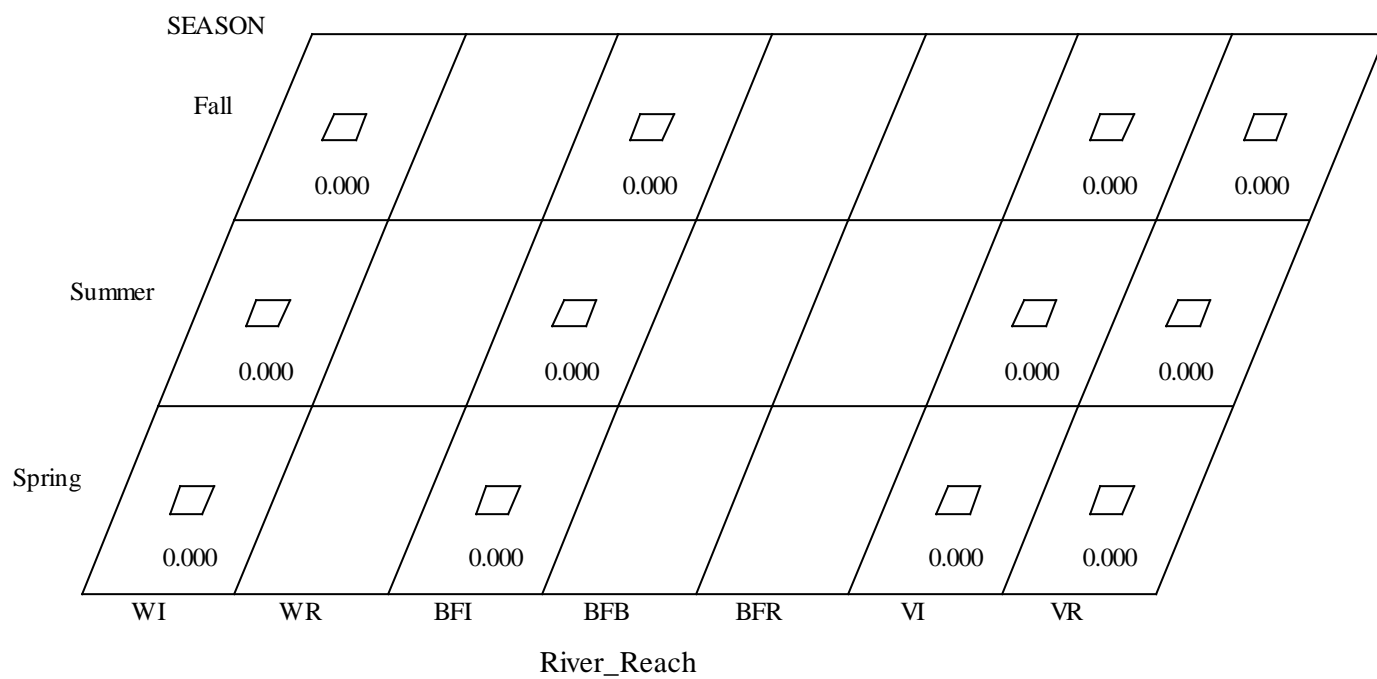


species=Creek chub

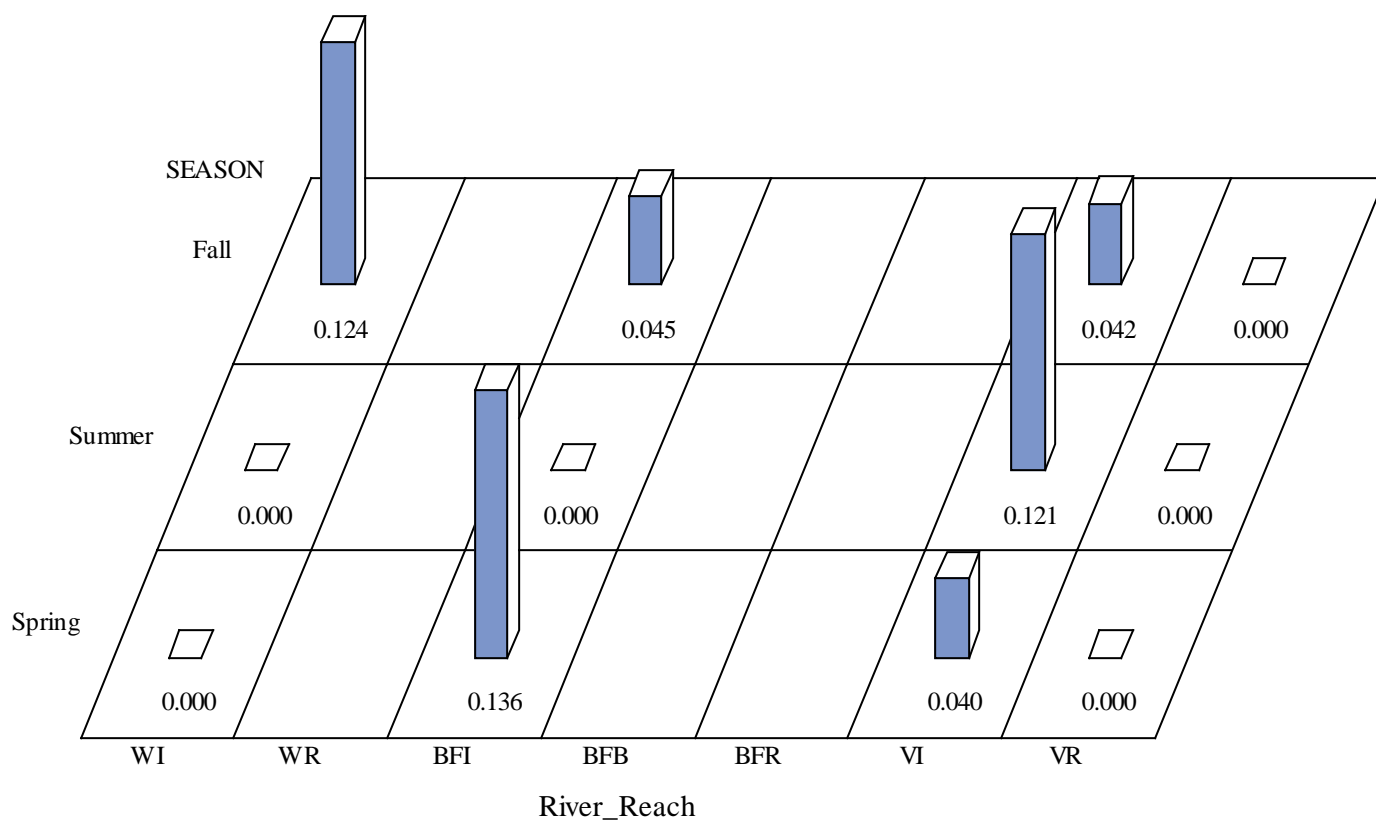


species=Cutlips minnow

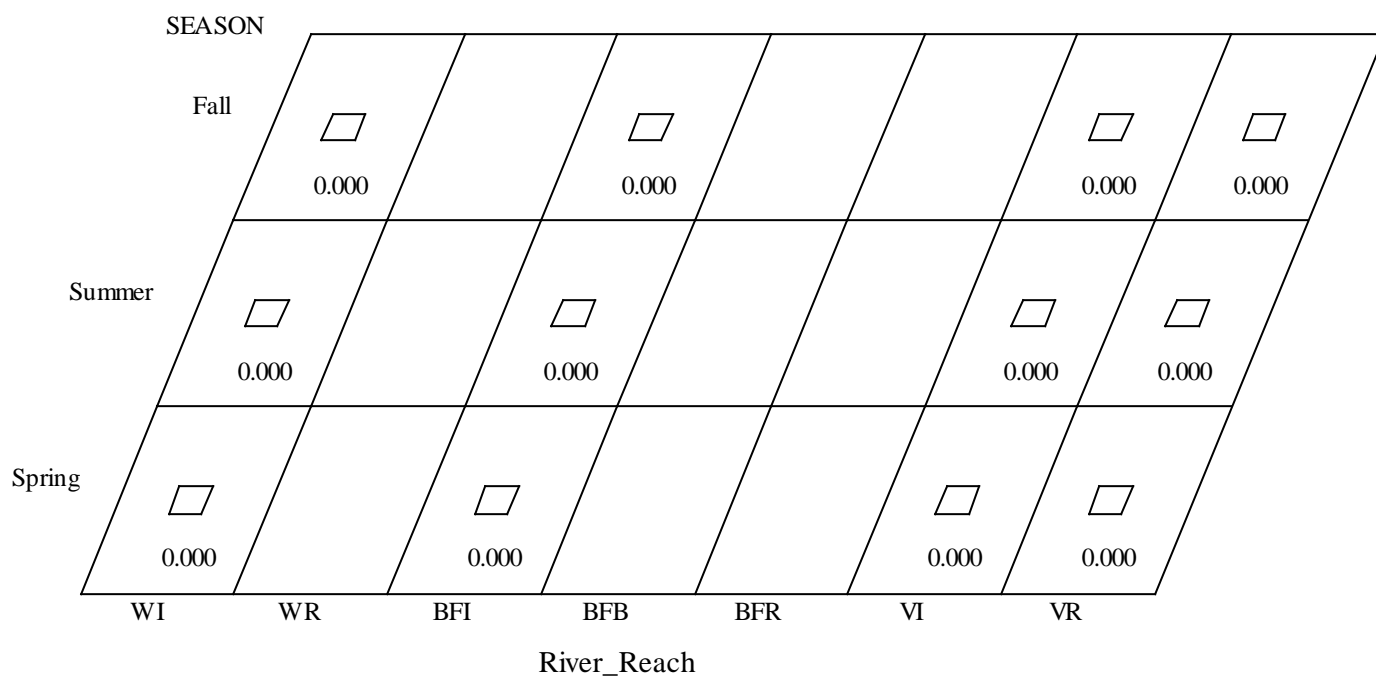




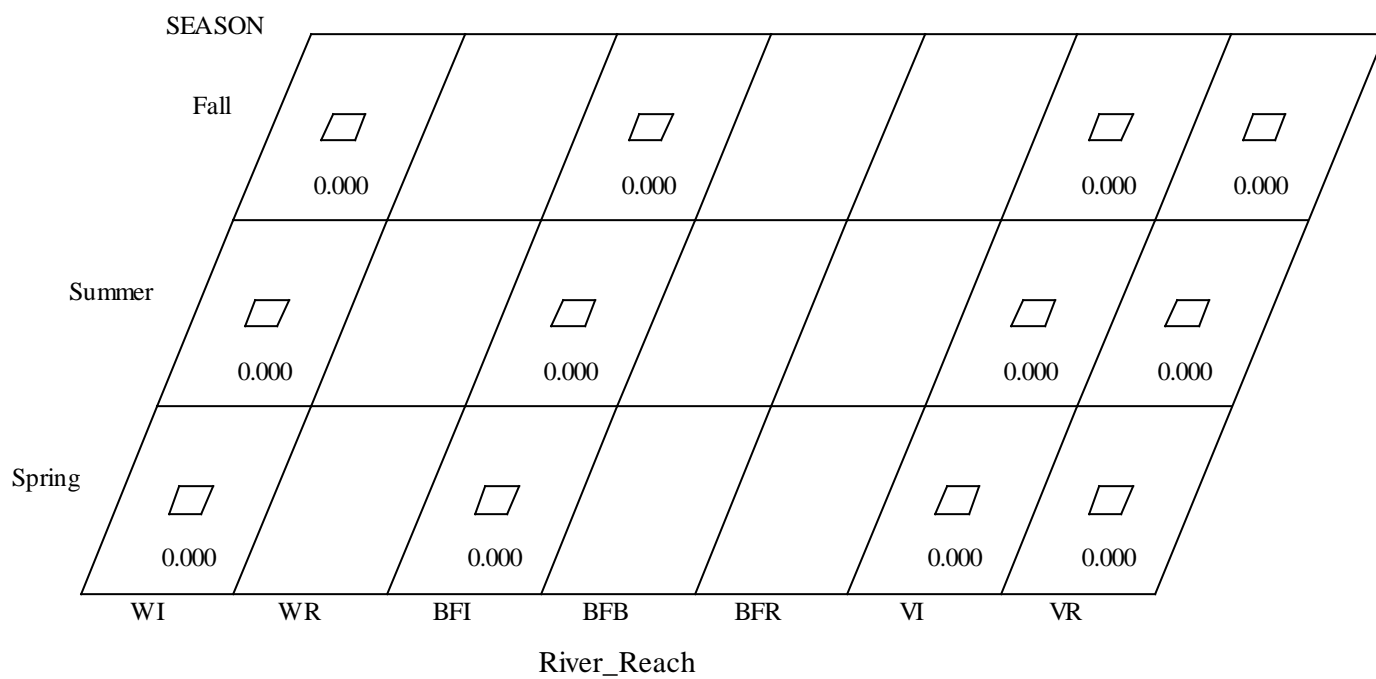
species=Fallfish



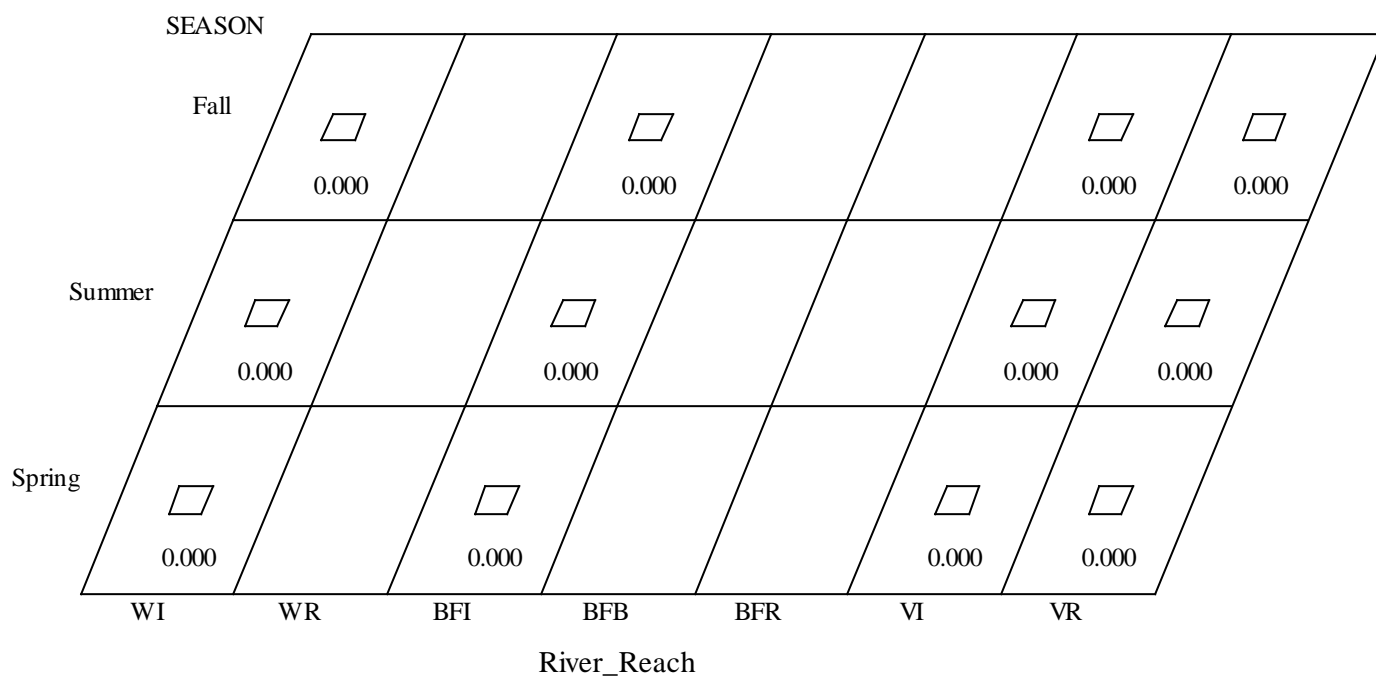
species=Fathead minnow



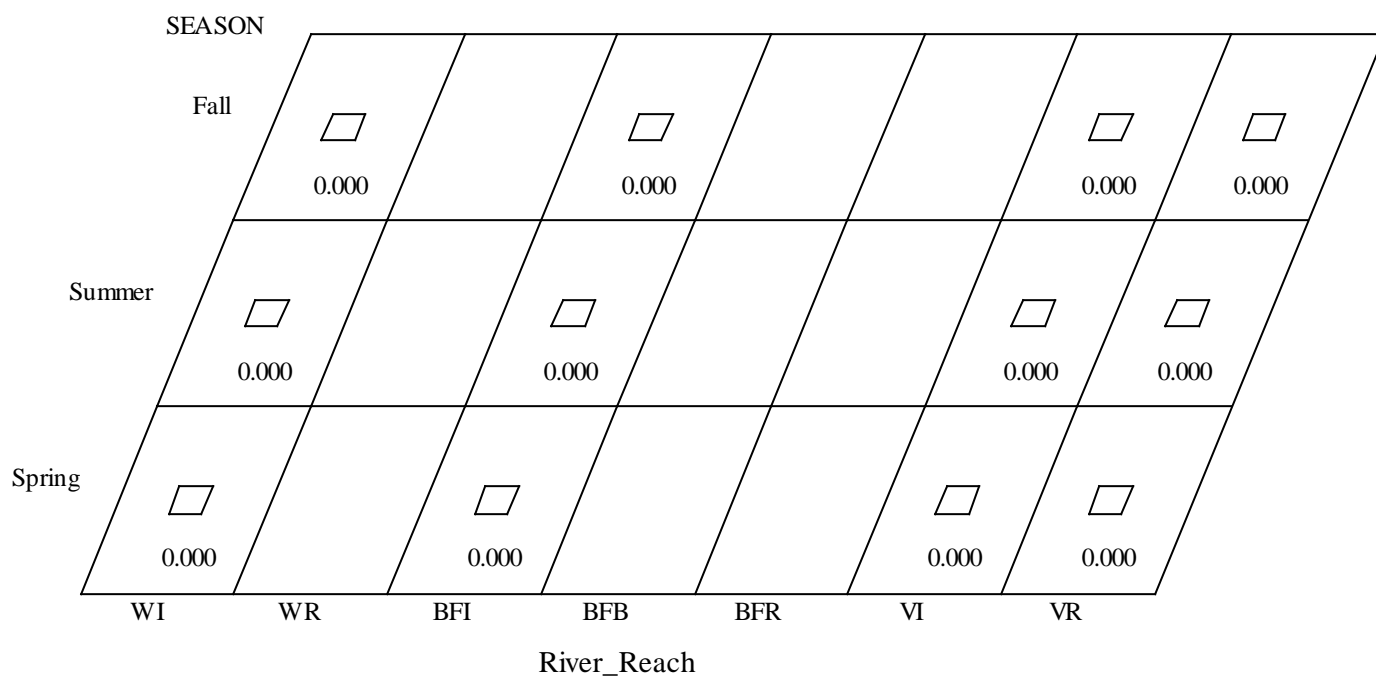
species=Finescale dace



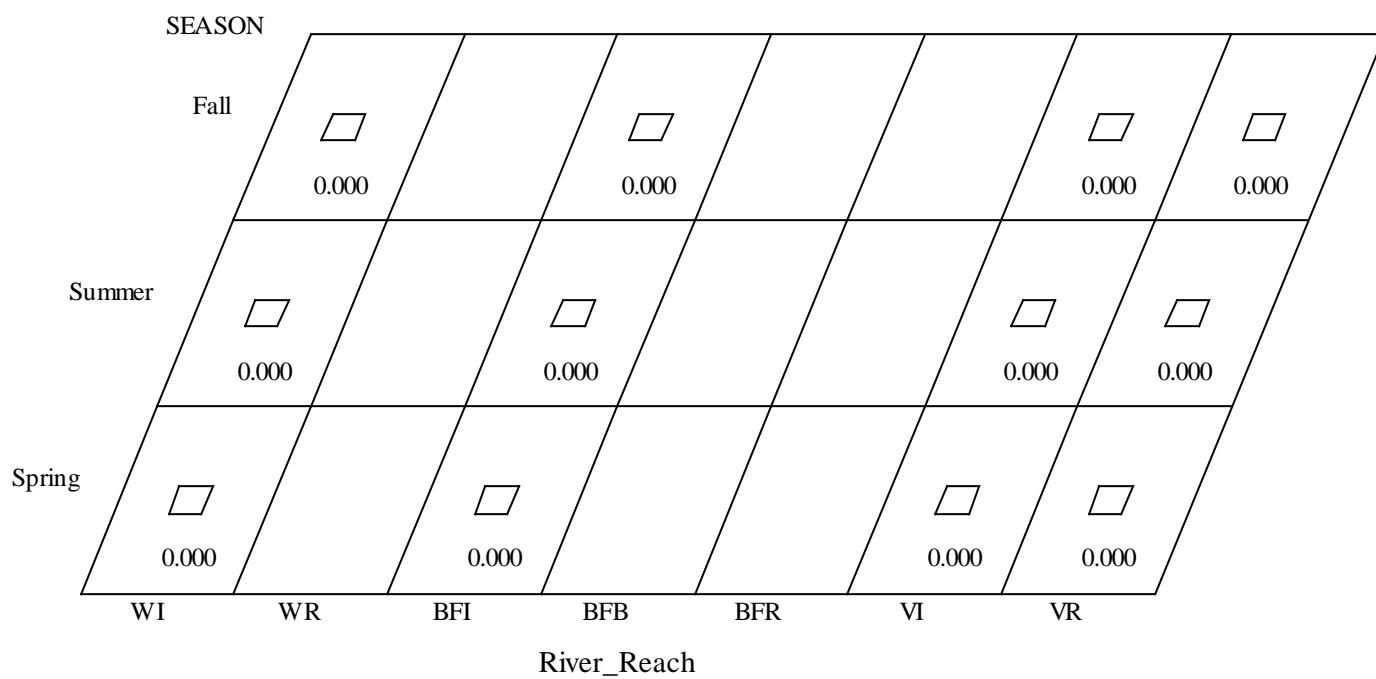
species=Golden shiner



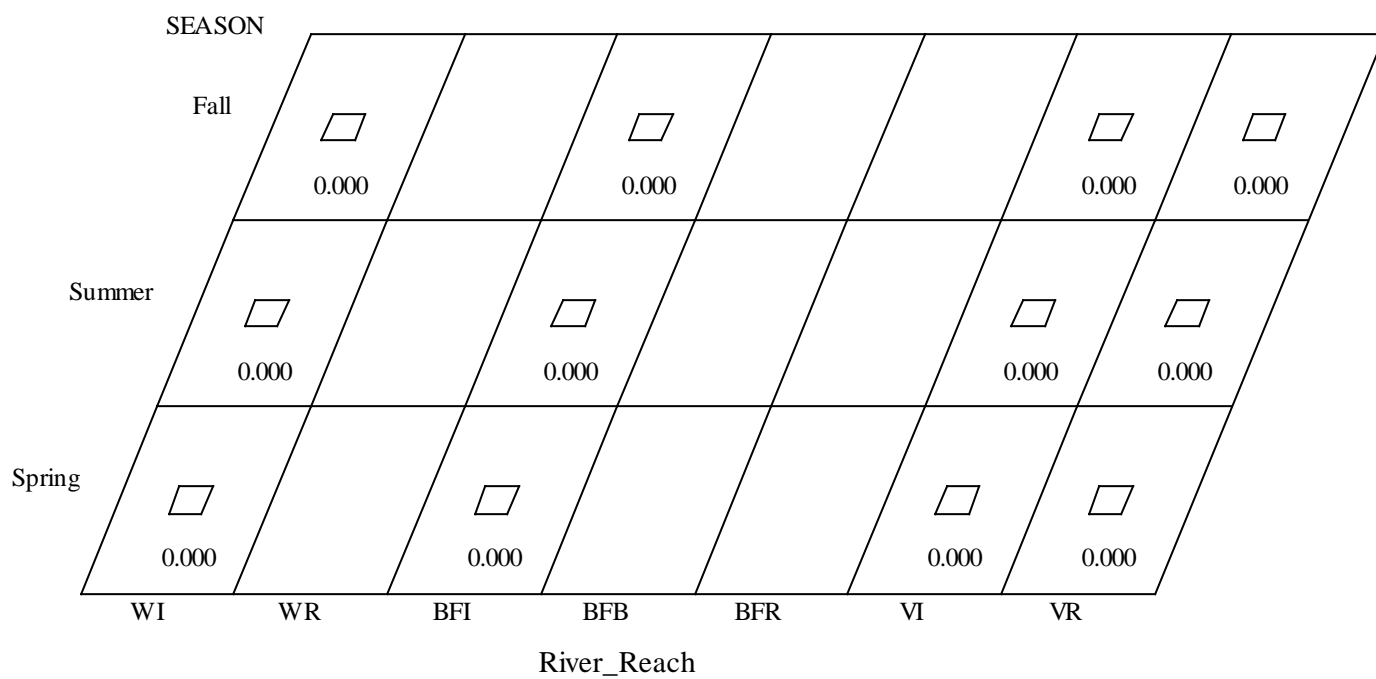
species=Lake chub



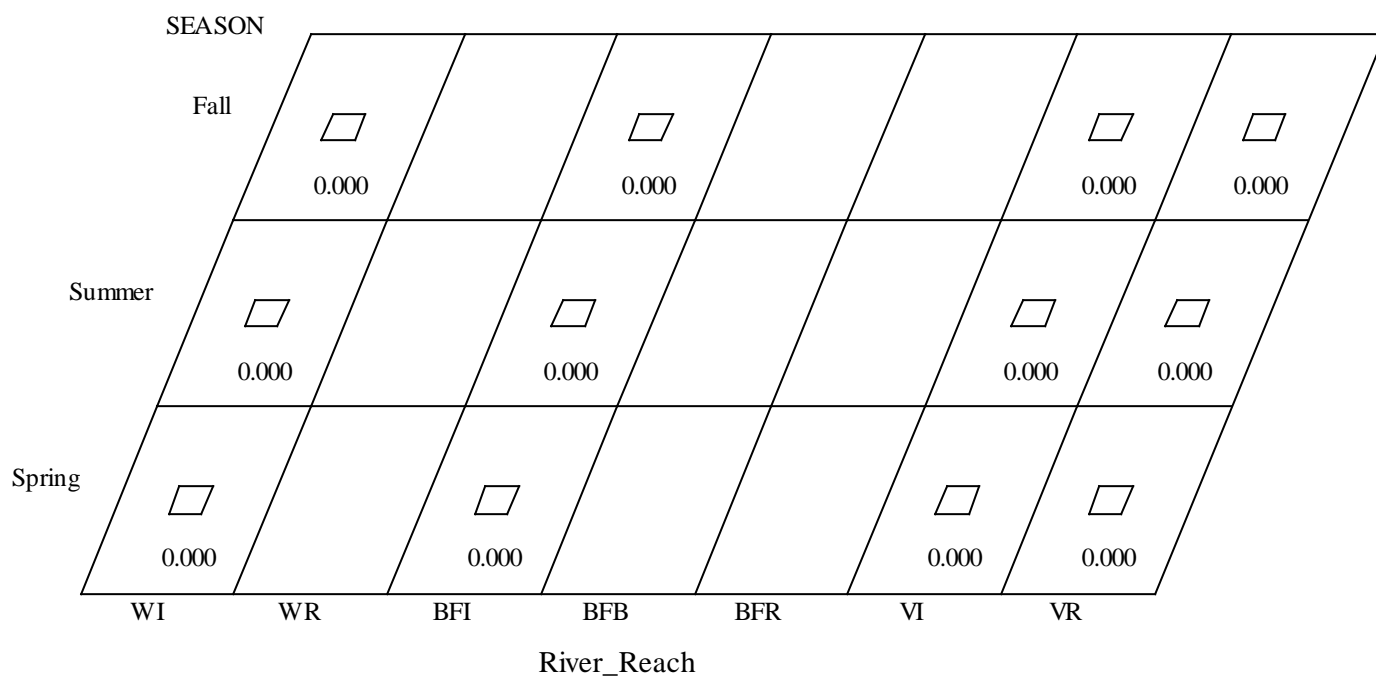
species=Largemouth bass



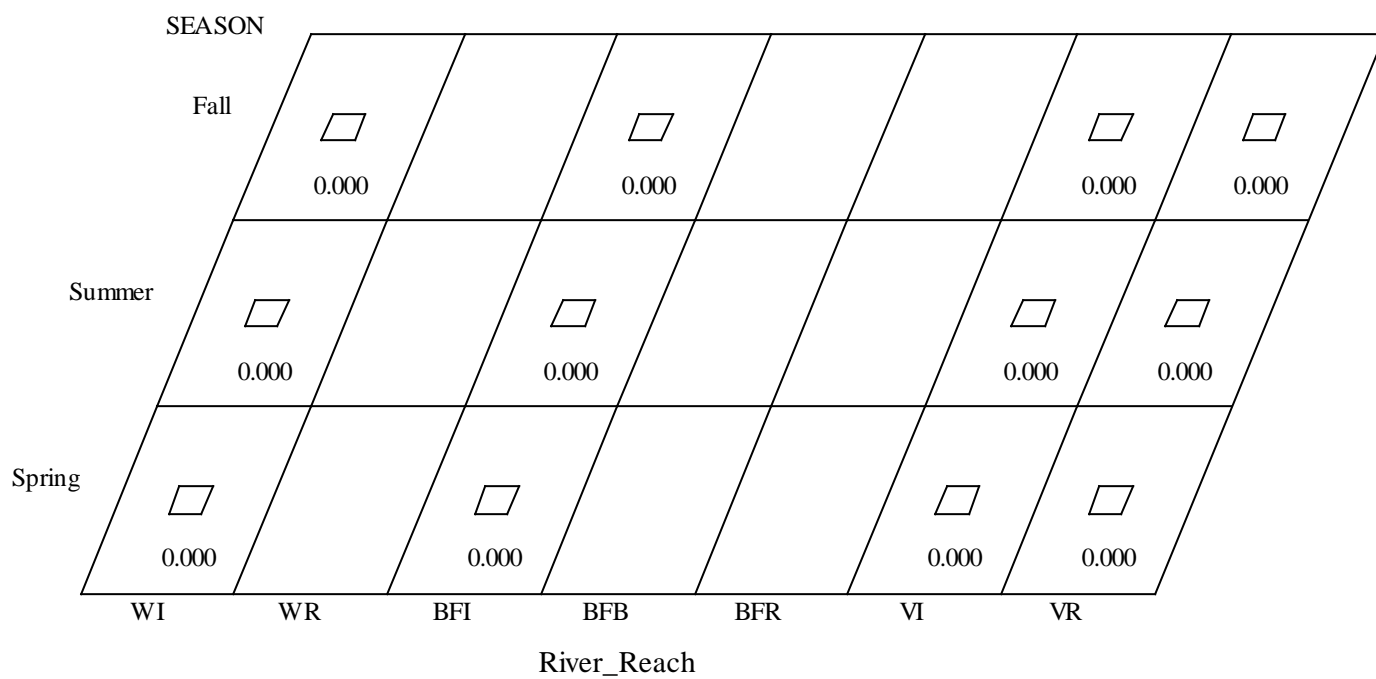
species=Longnose dace



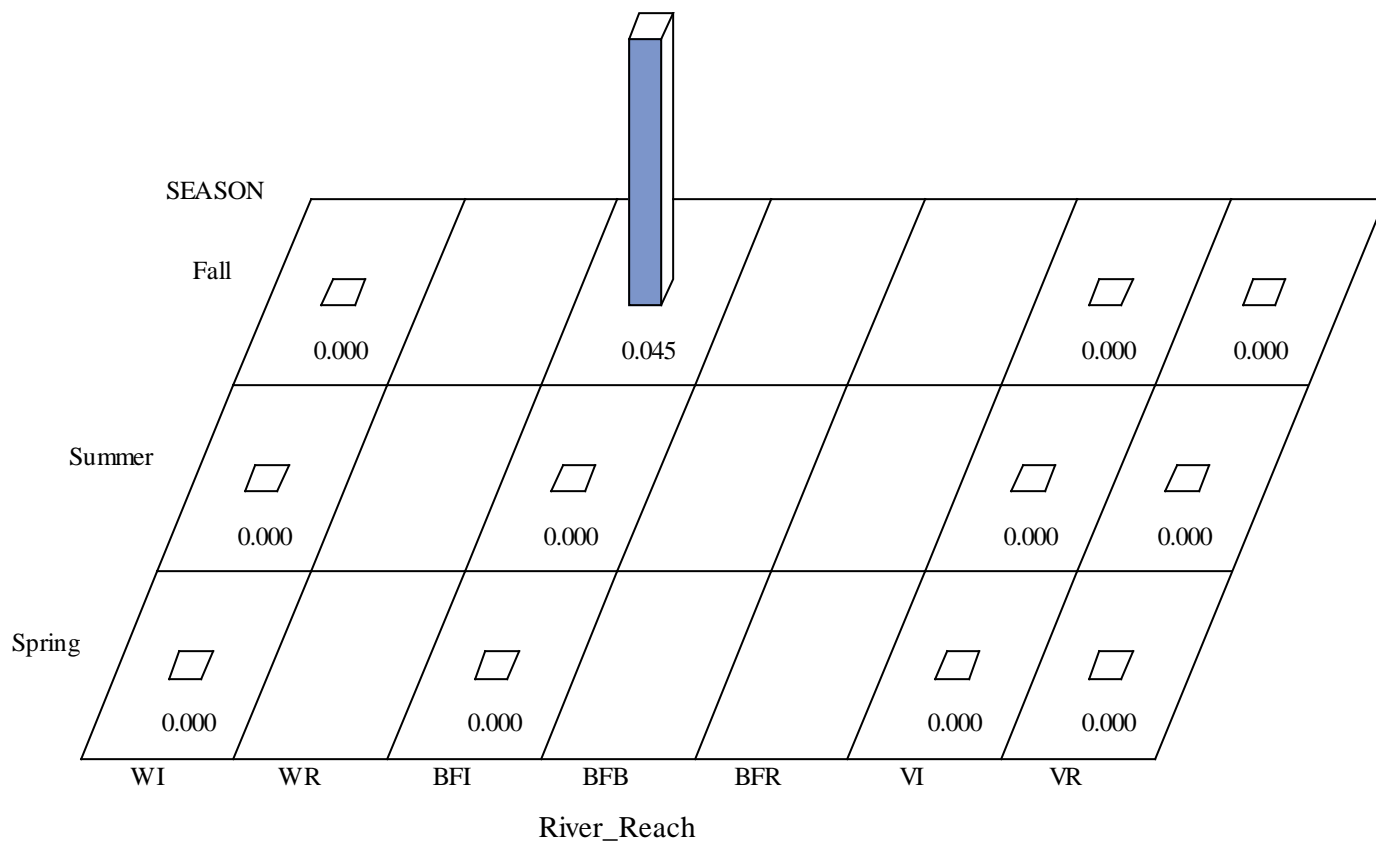
species=Longnose sucker



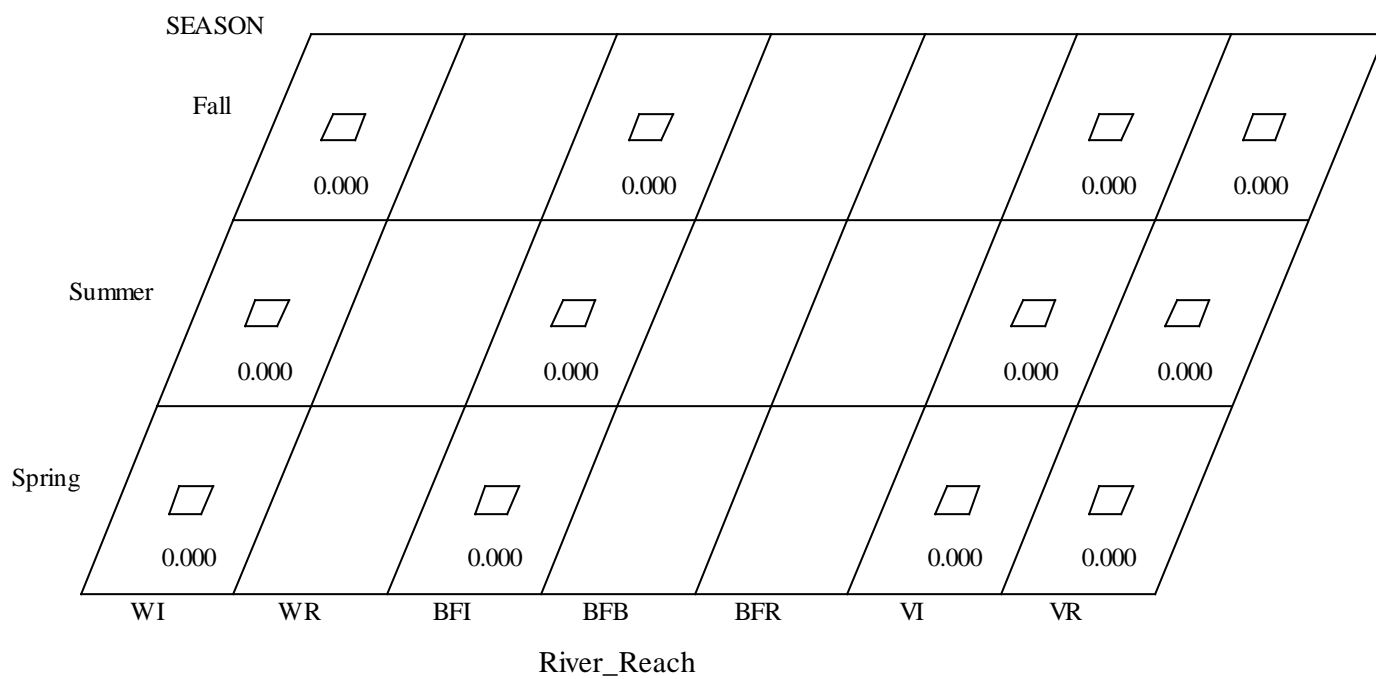
species=Mimic shiner



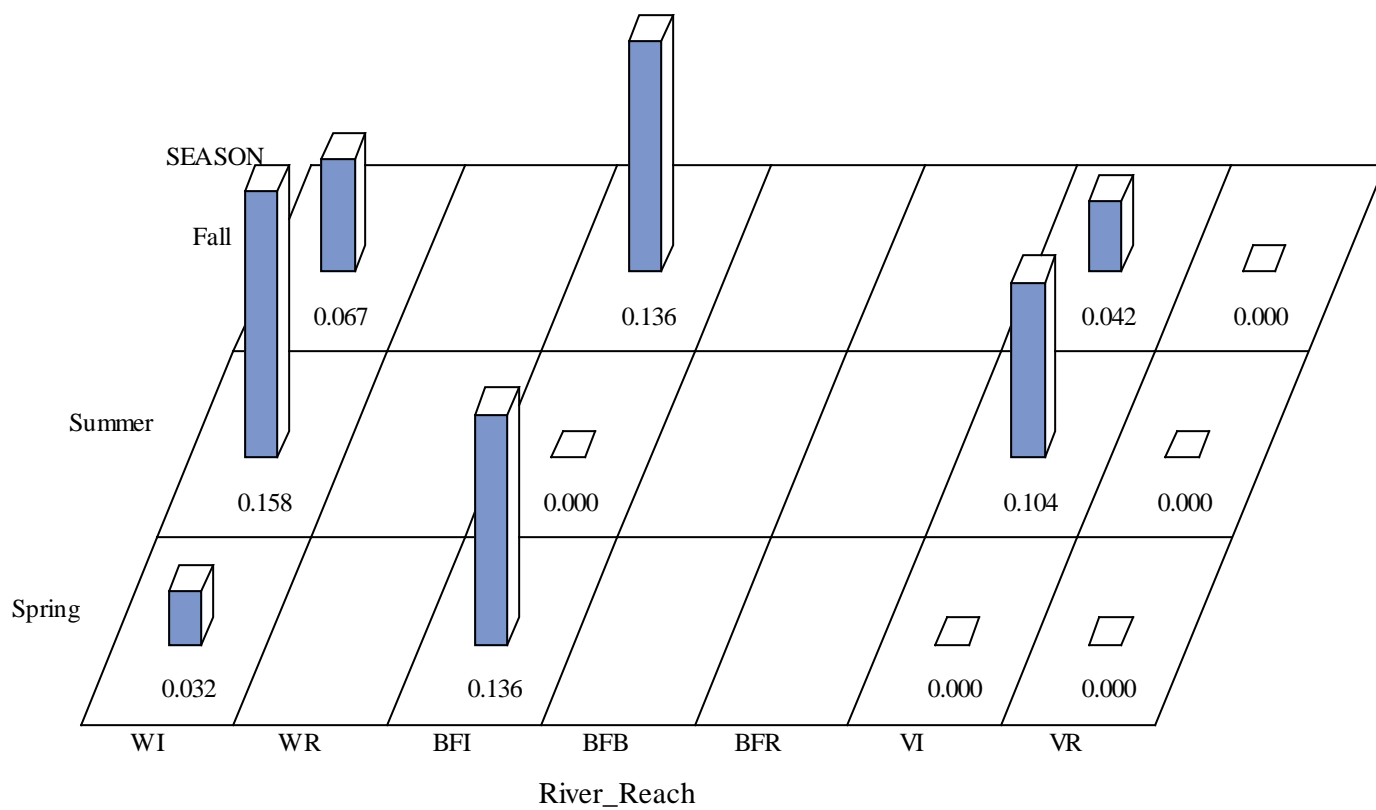
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species=Northern pike
```



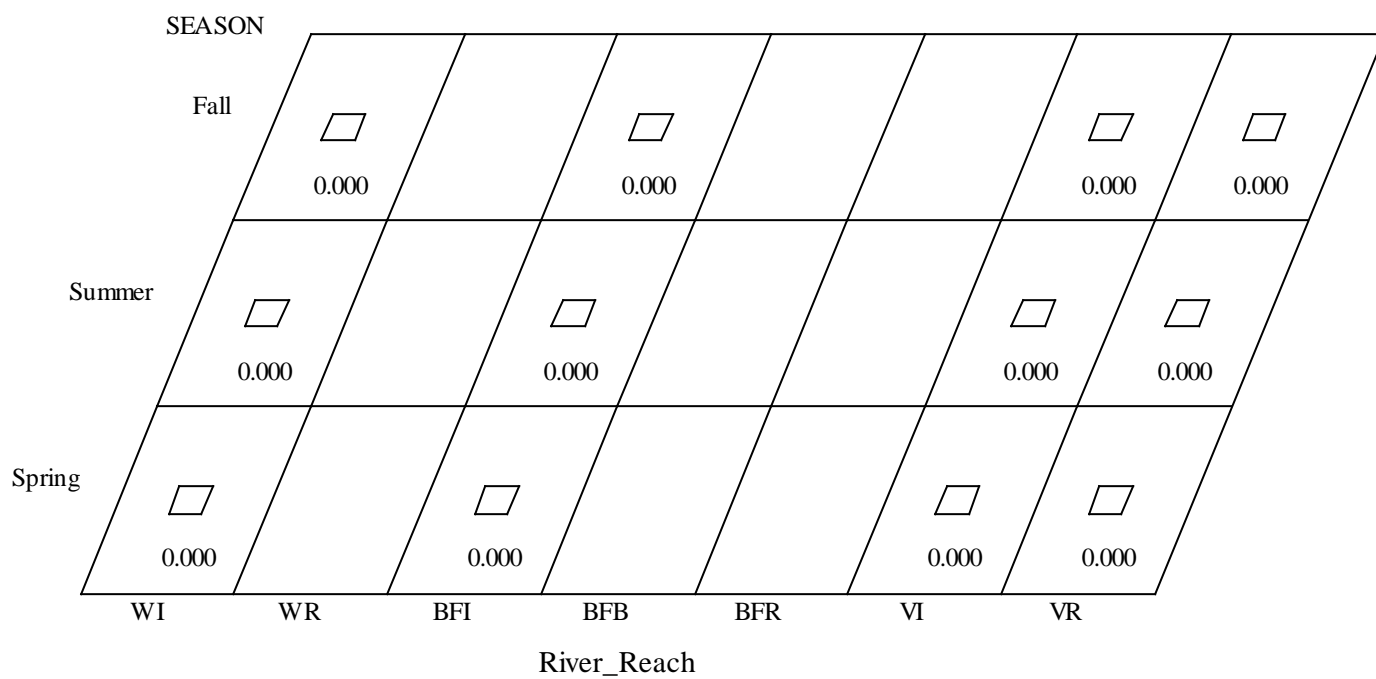
species=Pumpkinseed



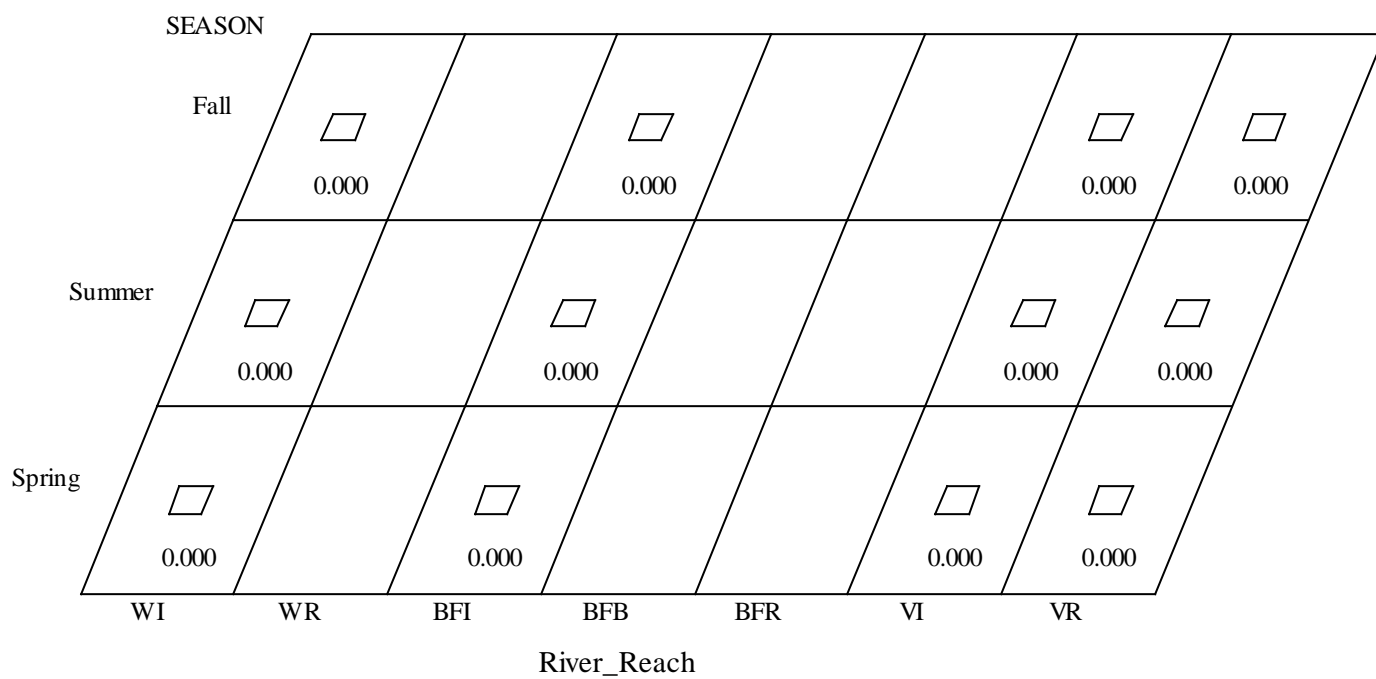
species=Rock bass



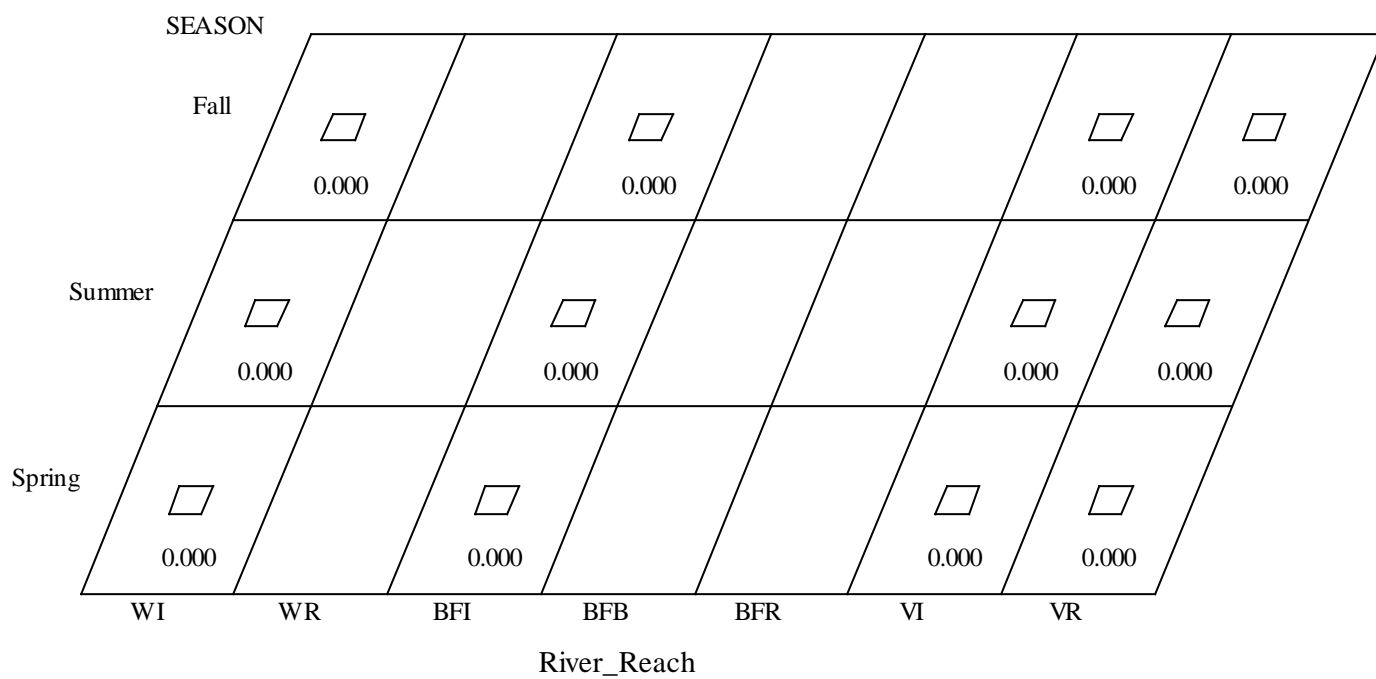
species=Rosyface shiner



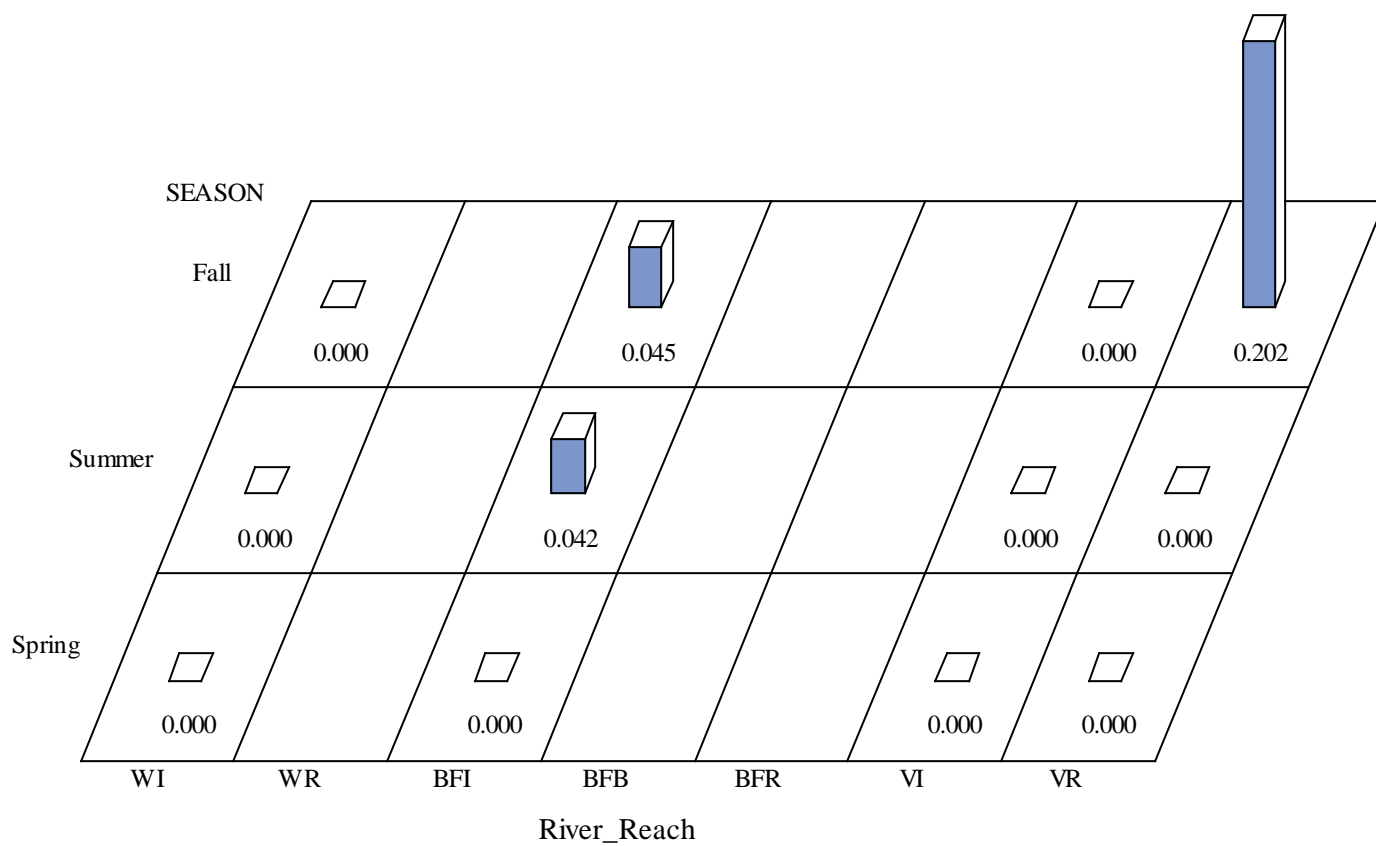
species=Sea lamprey



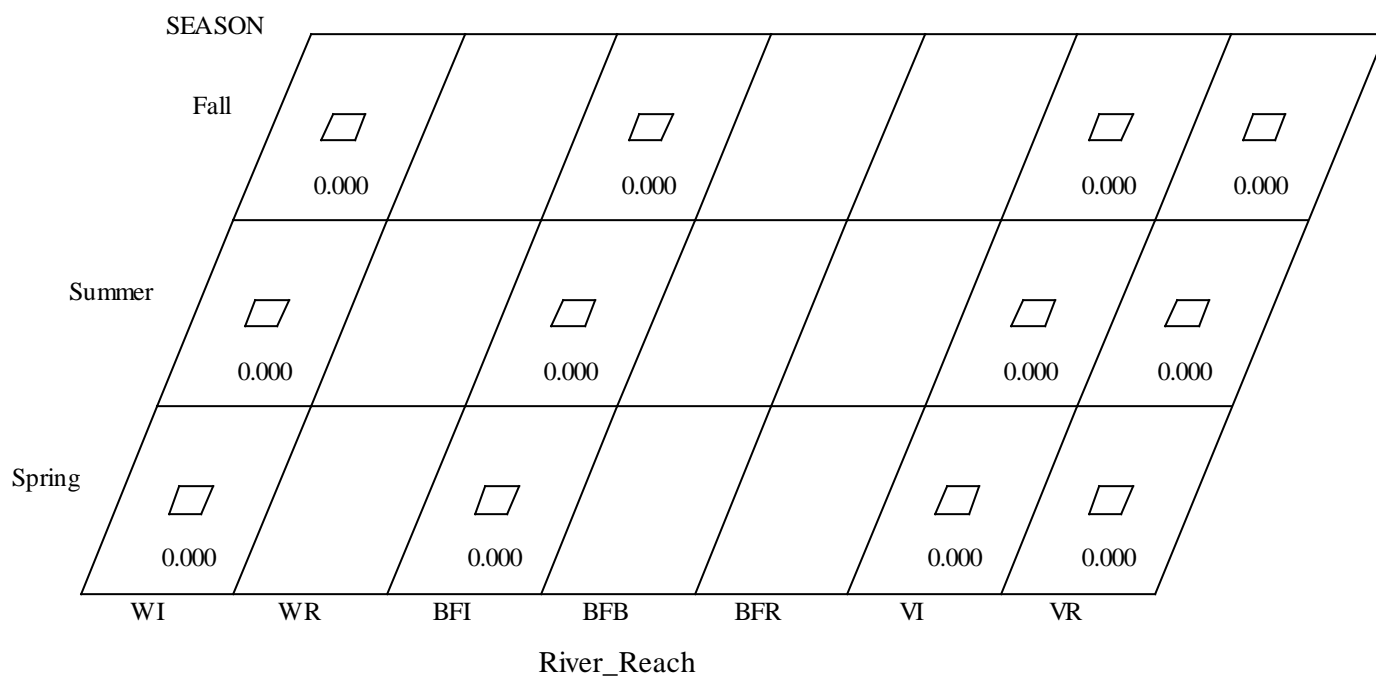
species=Slimy sculpin



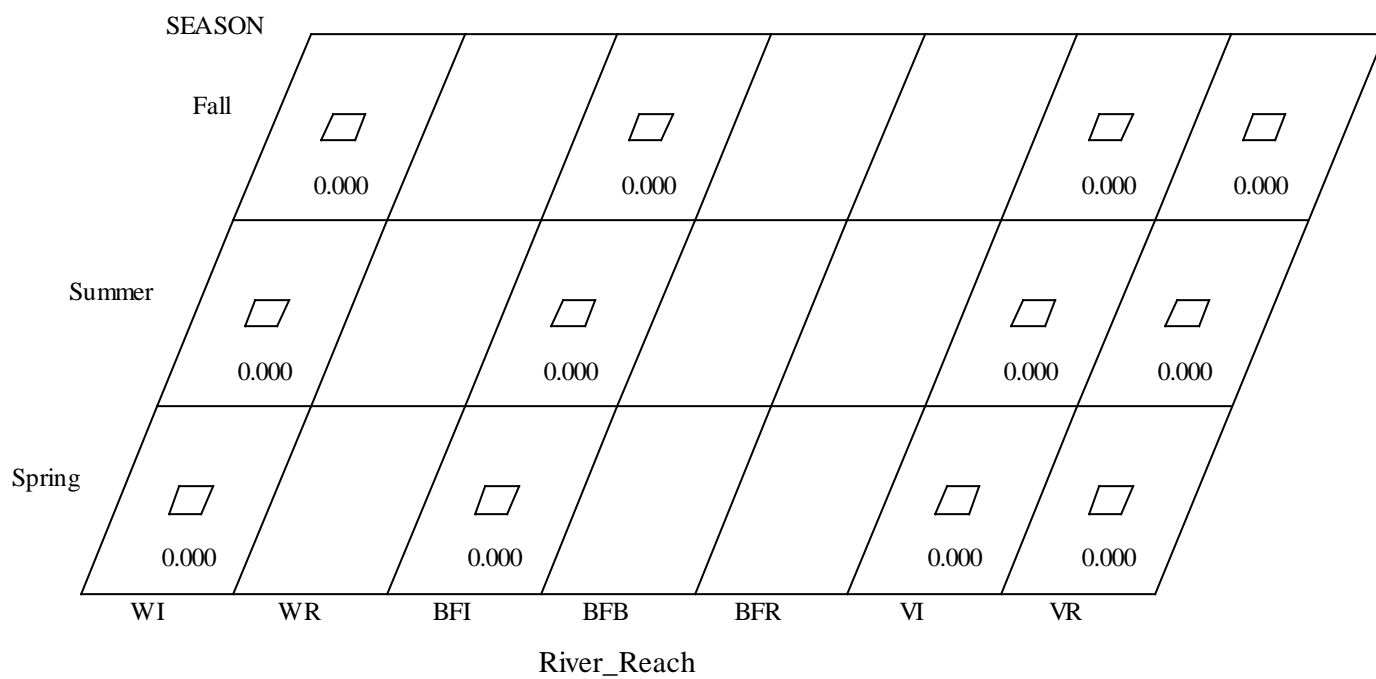
```
species=Smallmouth bass
```



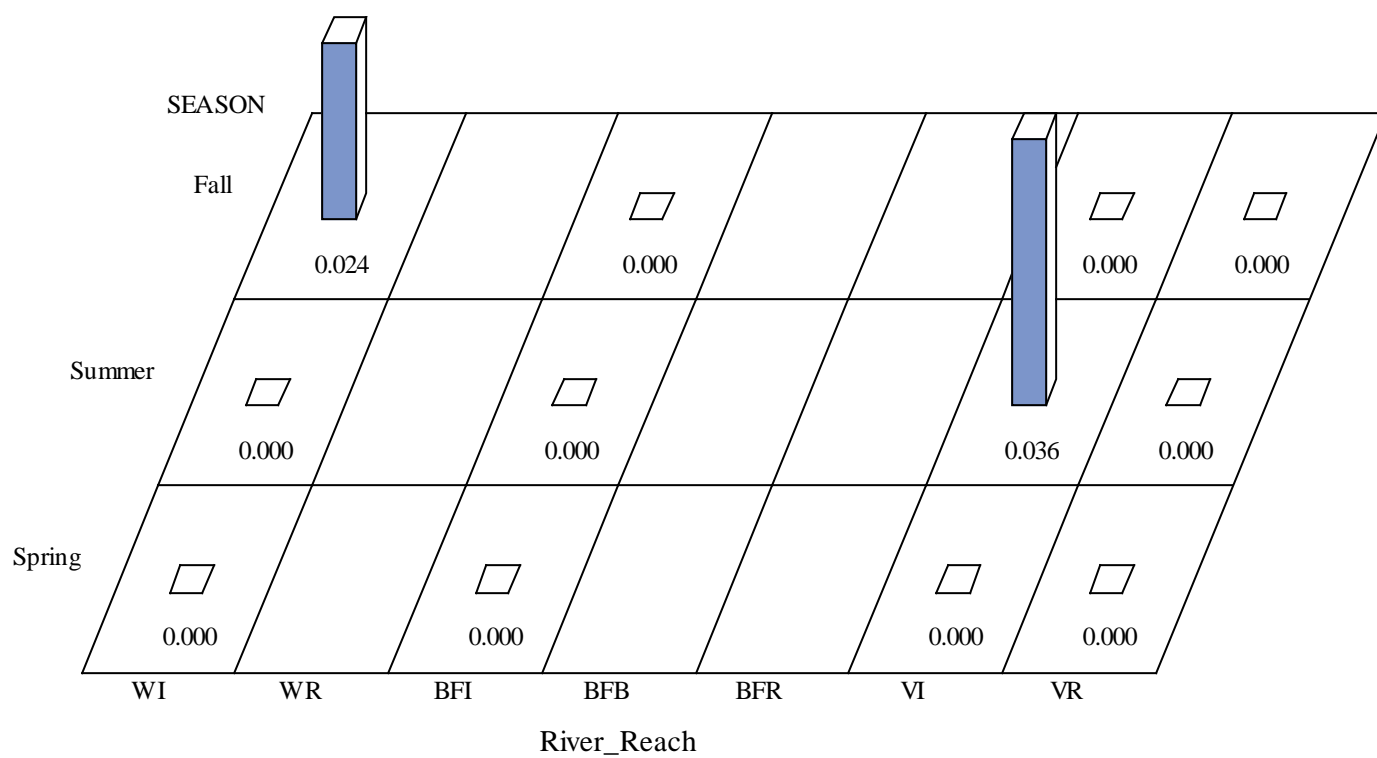
species=Spottail shiner



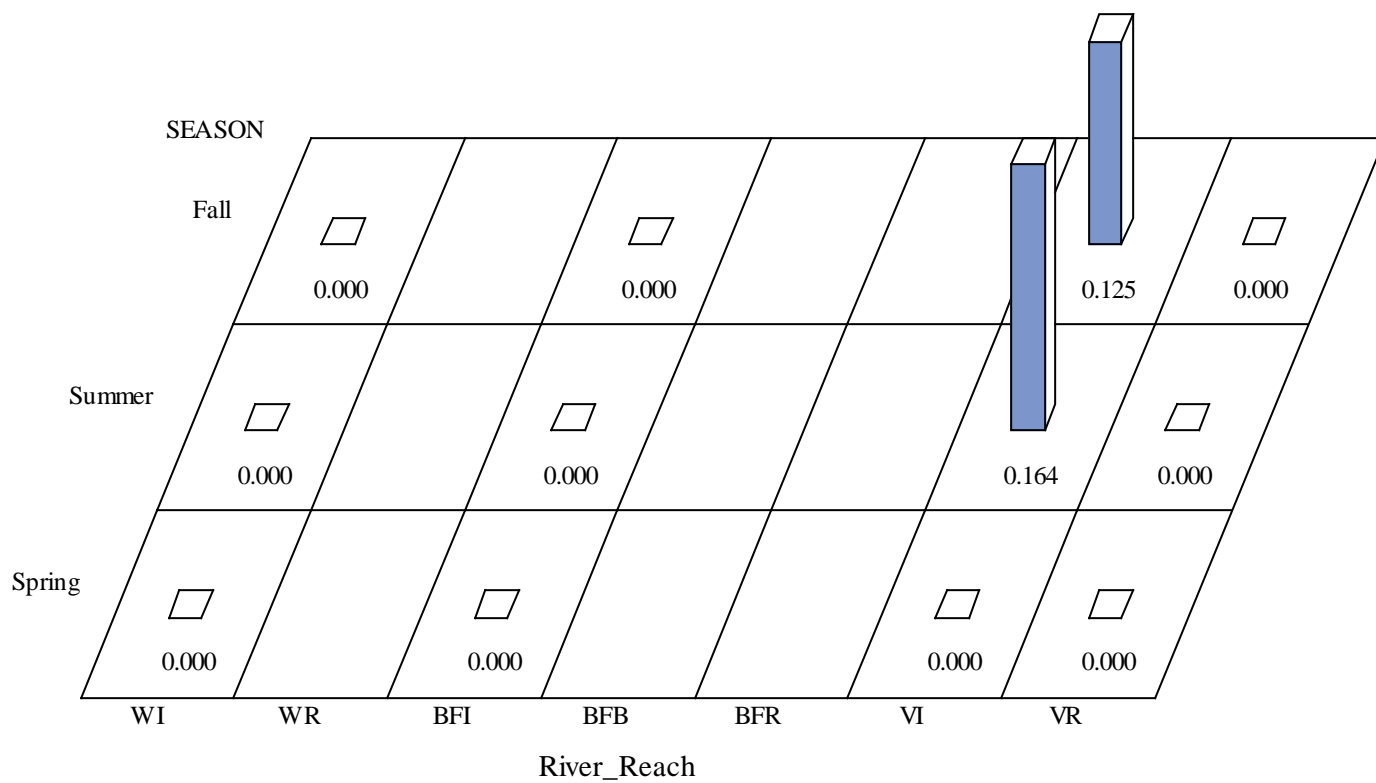
species=Tessellated darter



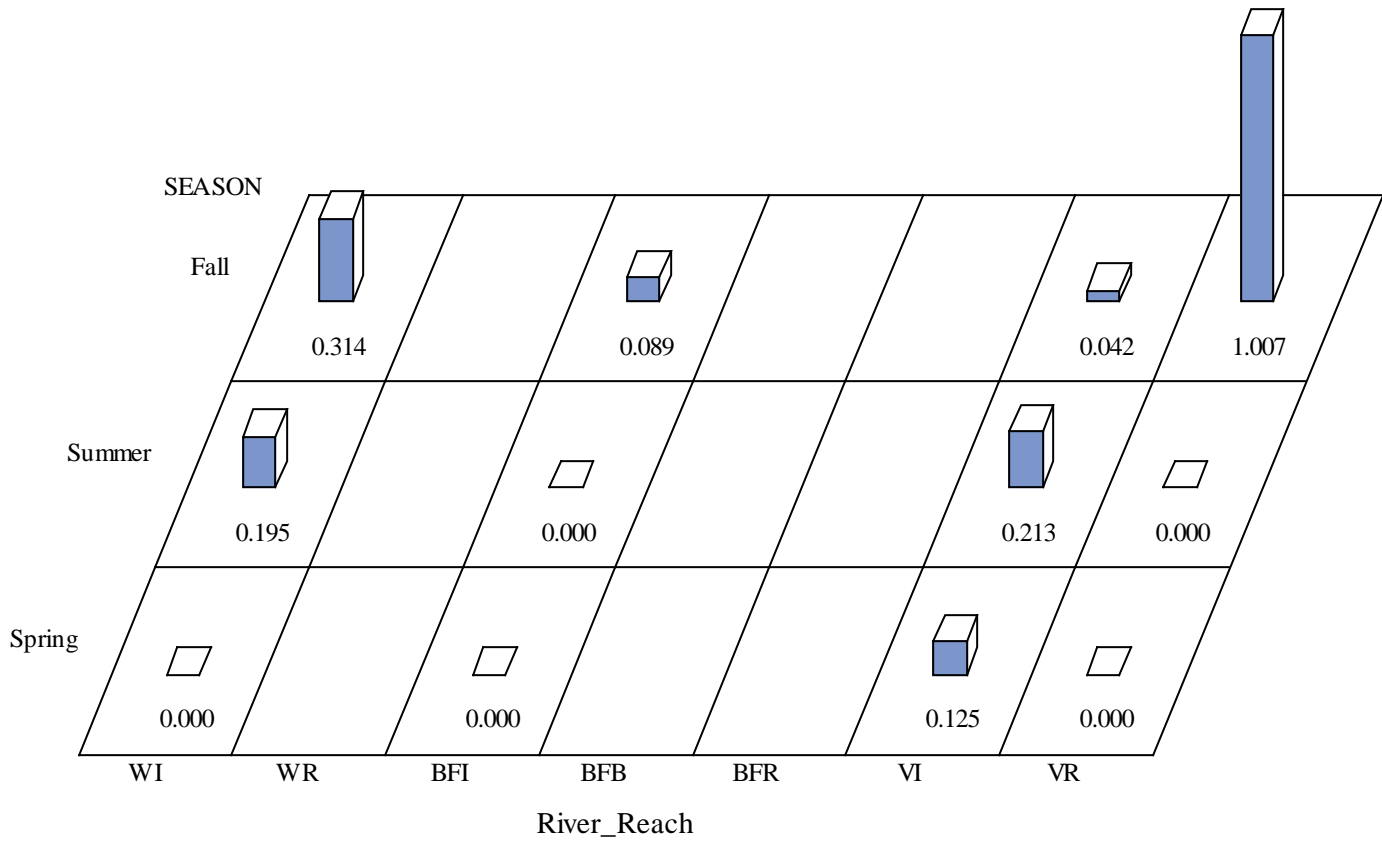
species=Walleye



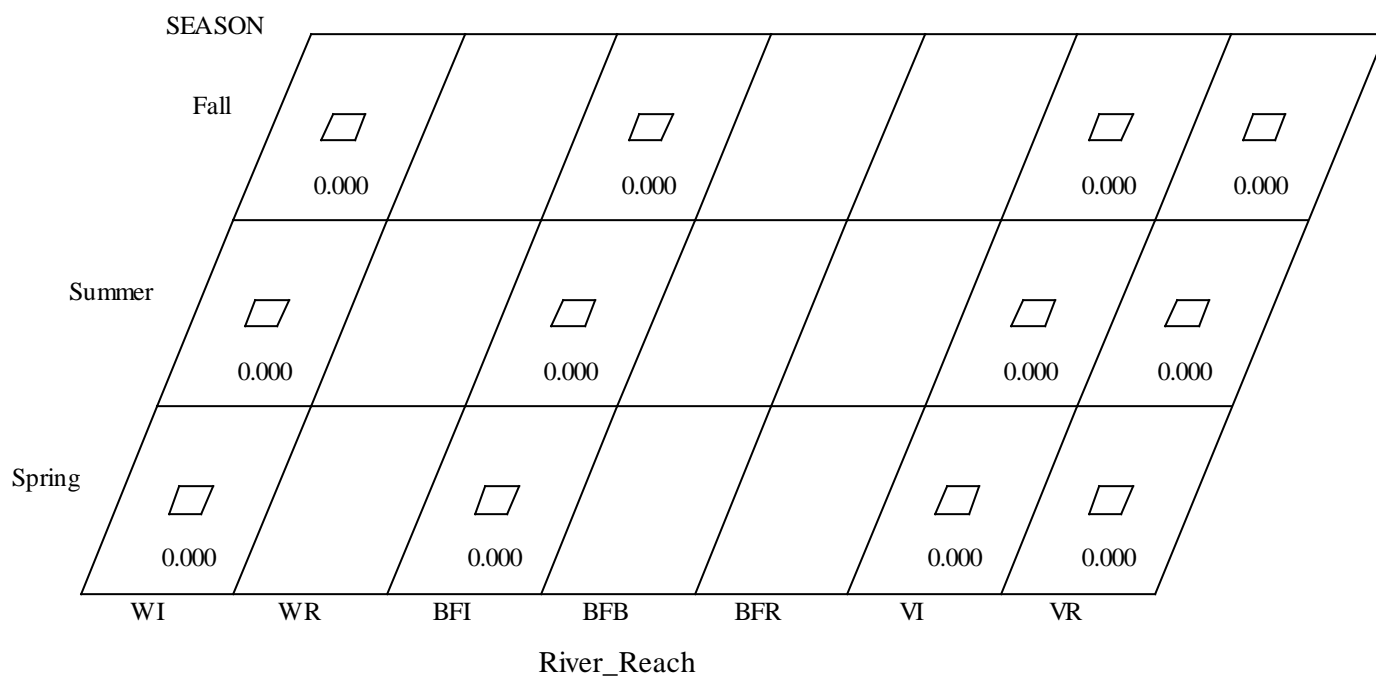
species=White perch



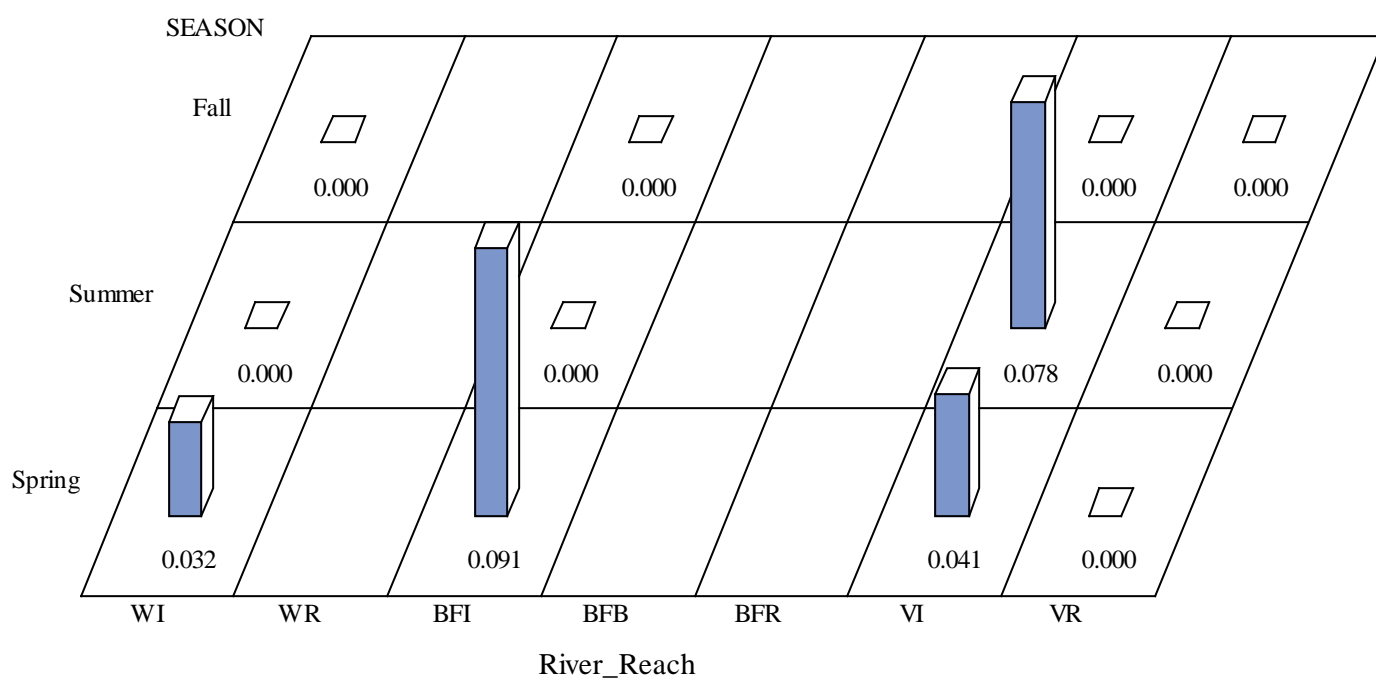
species=White sucker



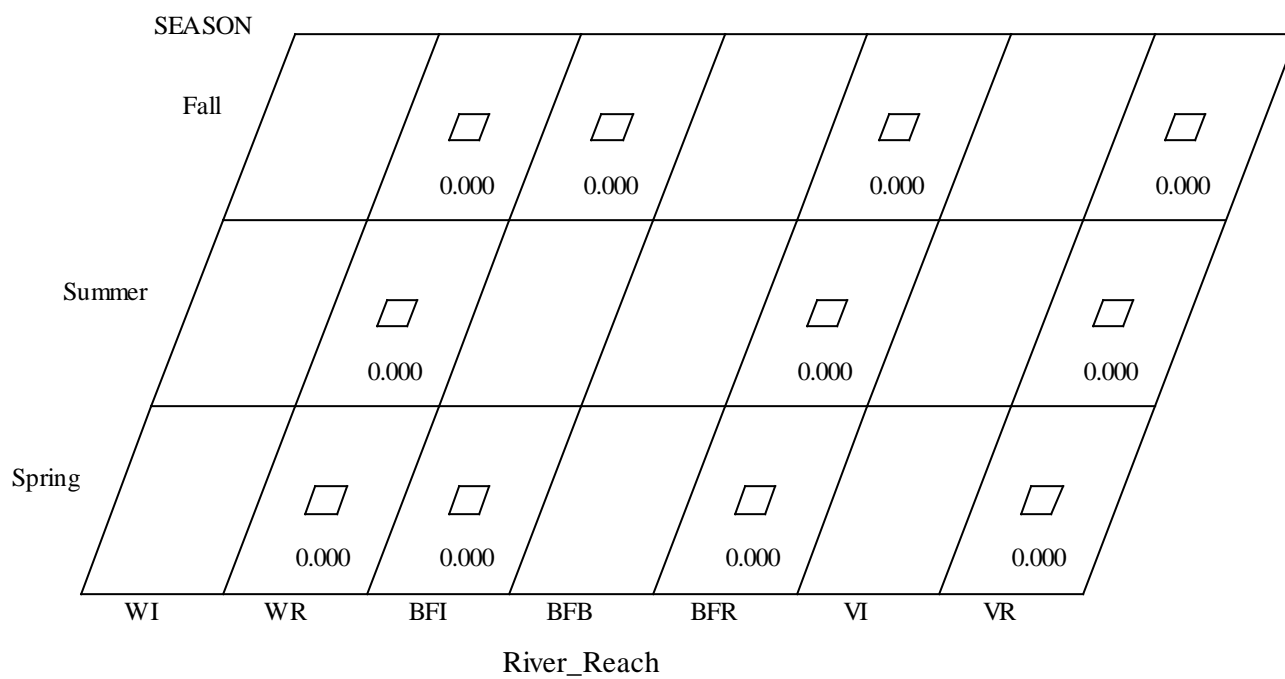
species=Yellow bullhead



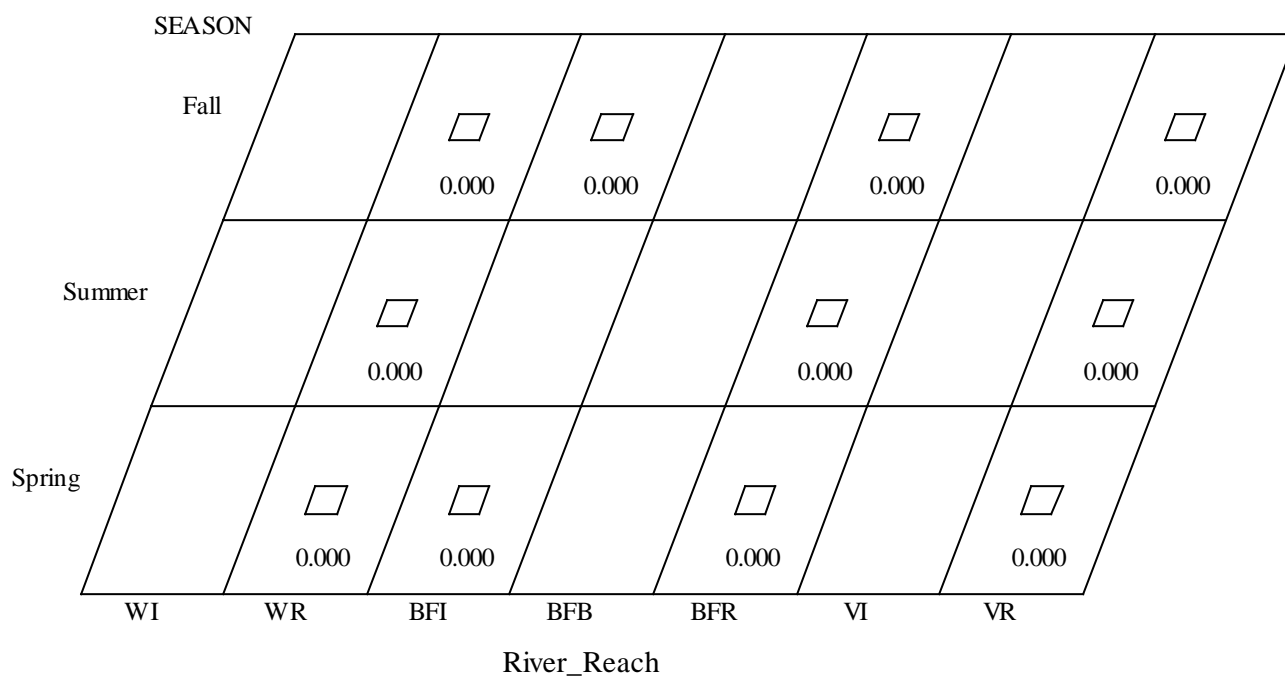
species=Yellow perch



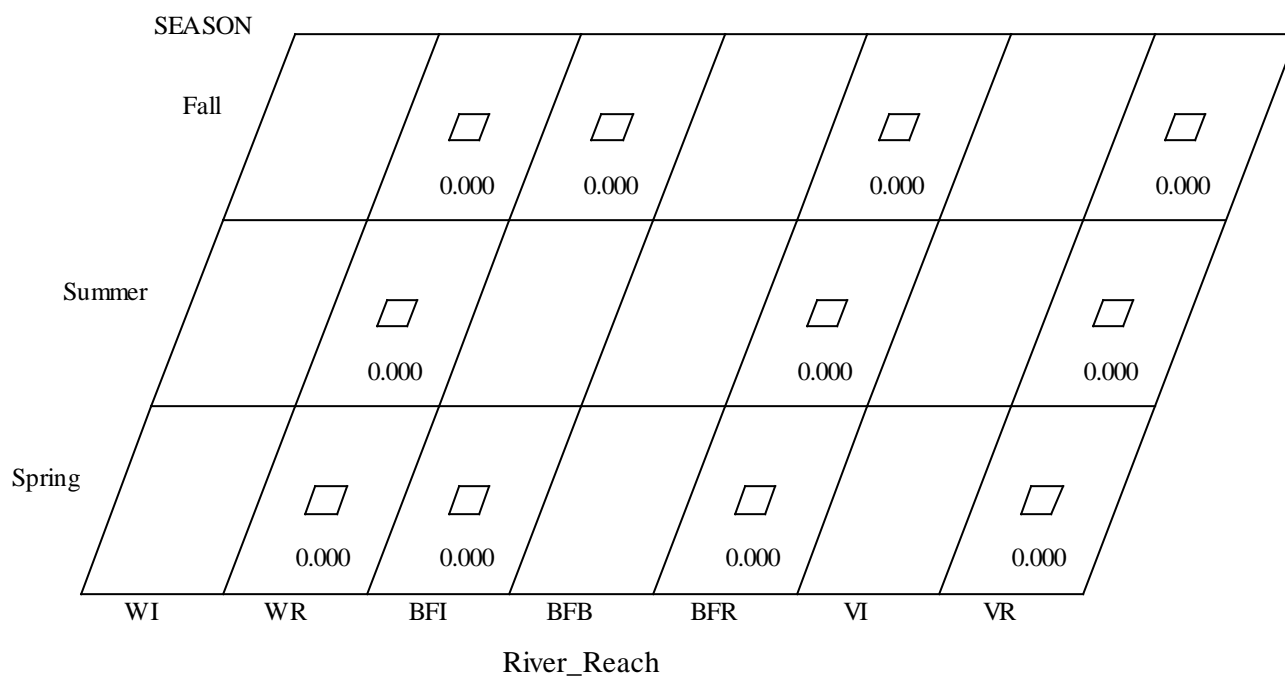
species=American eel



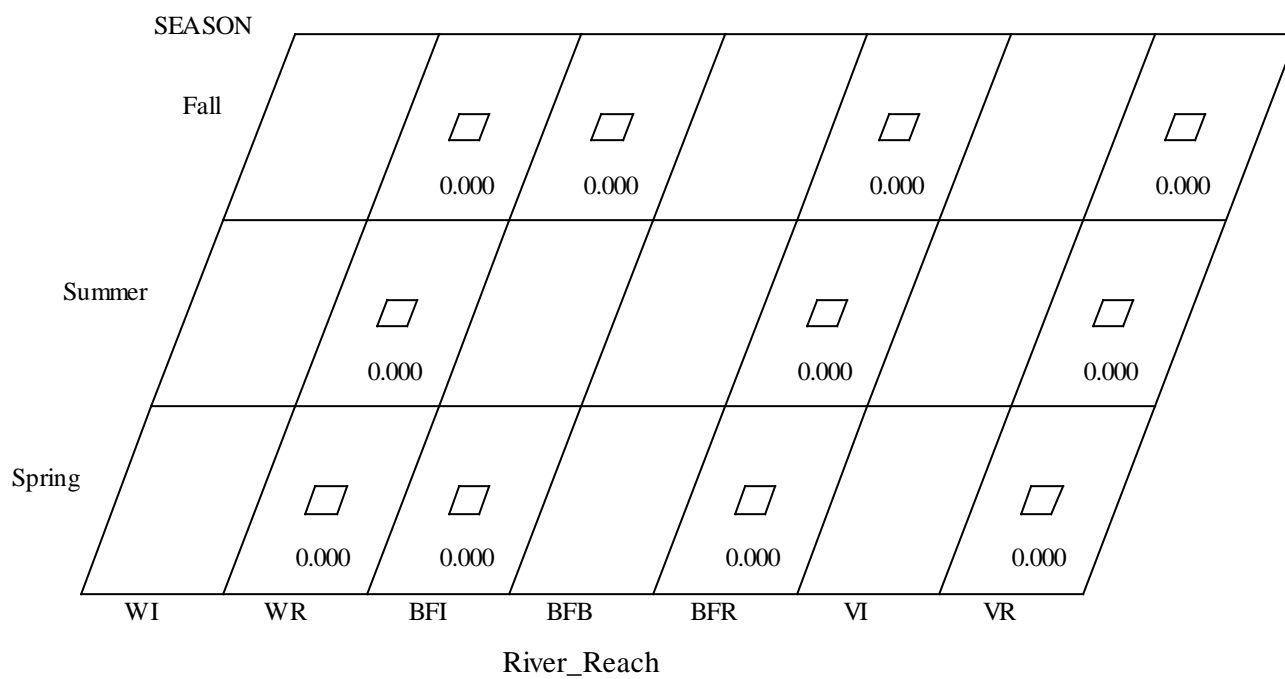
species=Banded killifish



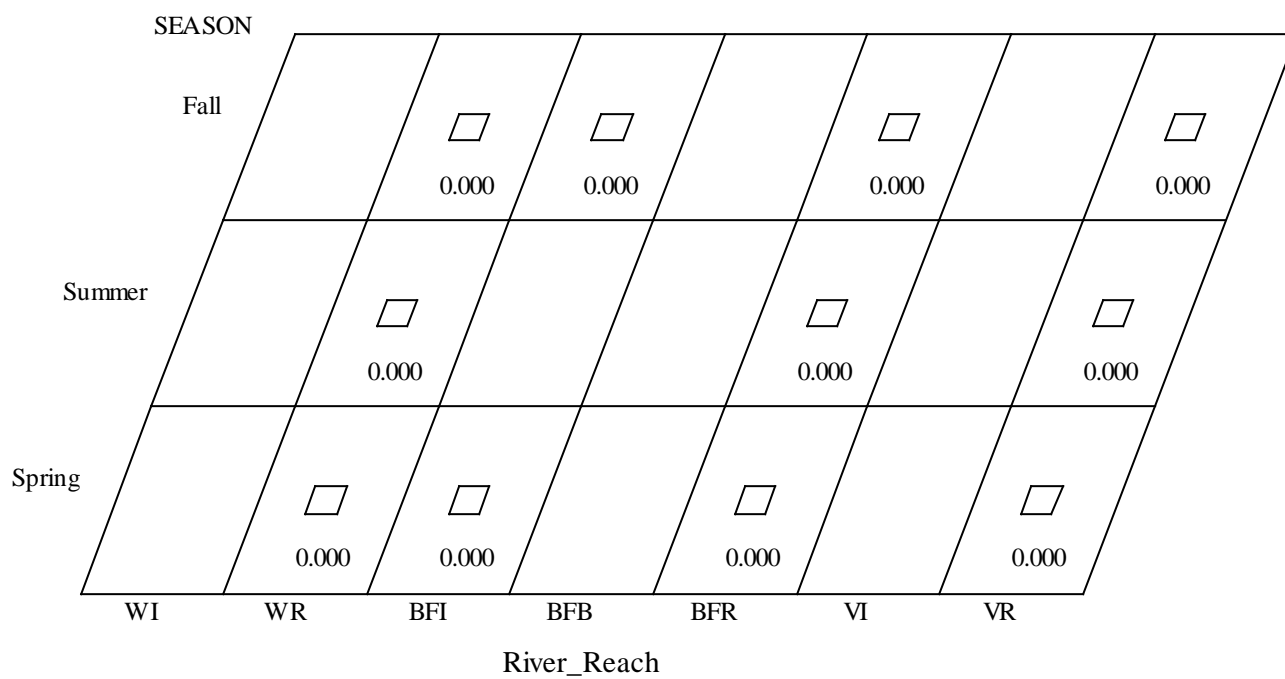
species=Blacknose dace



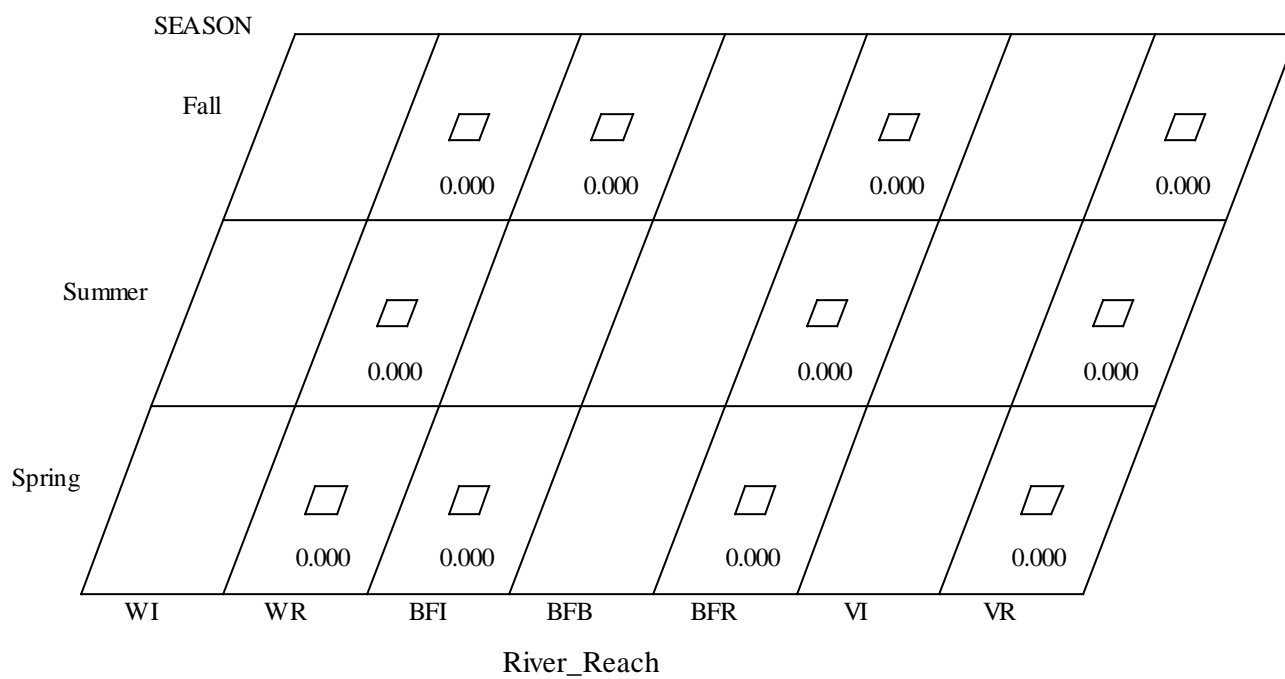
species=Blacknose shiner



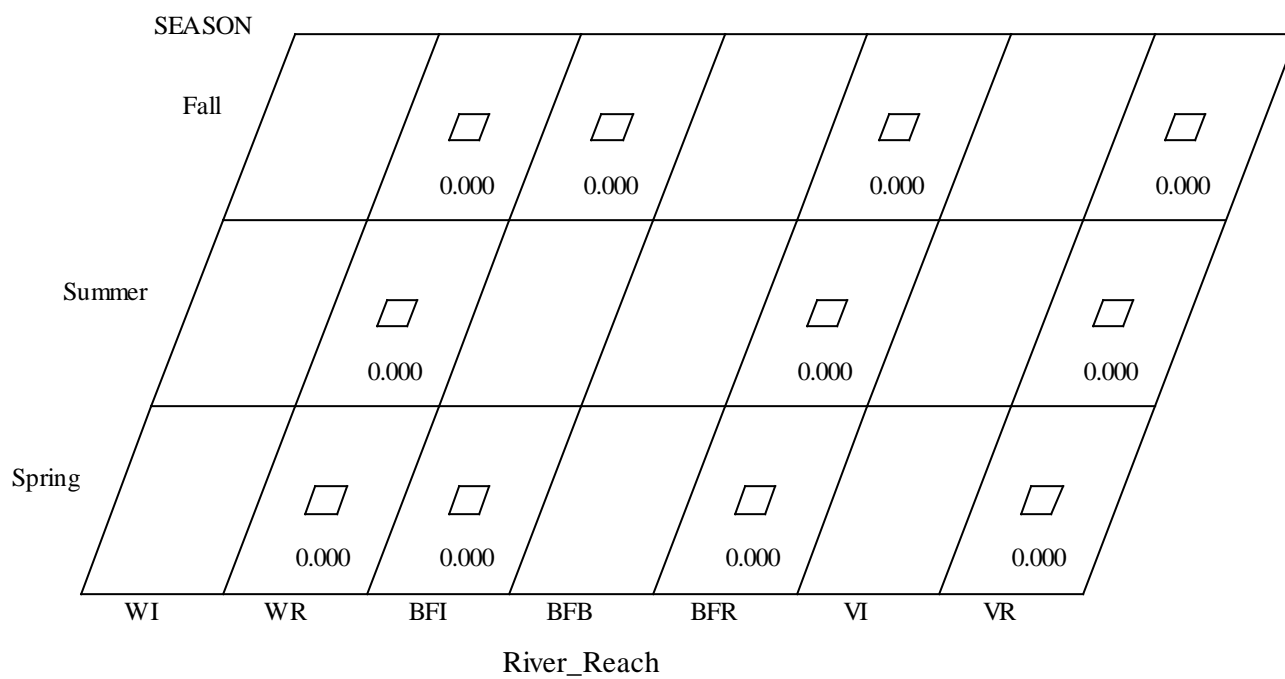
species=Bluegill



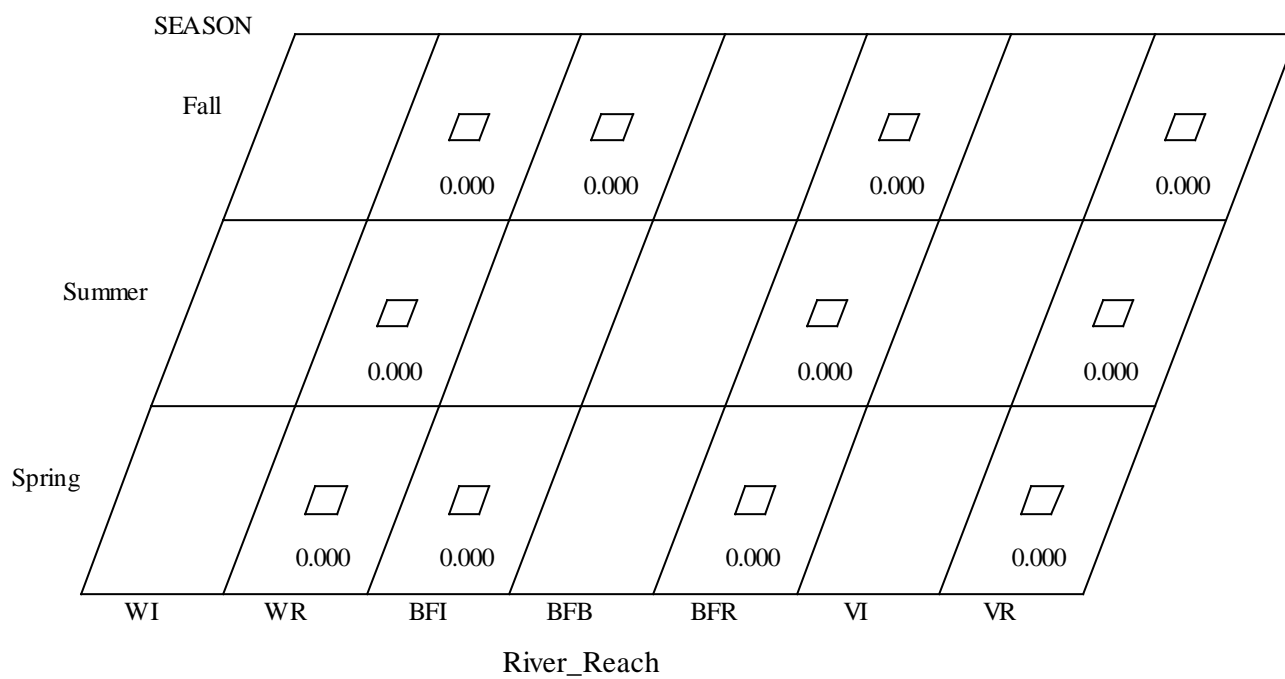
species=Bridle shiner



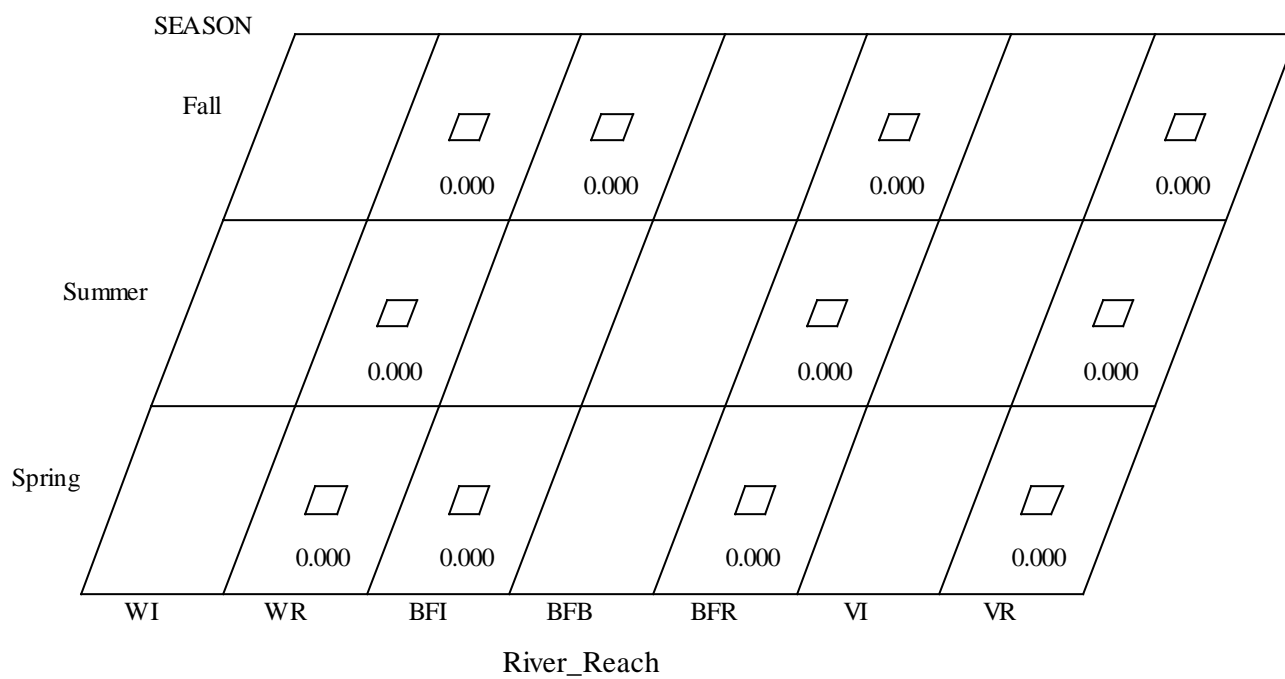
species=Brook trout



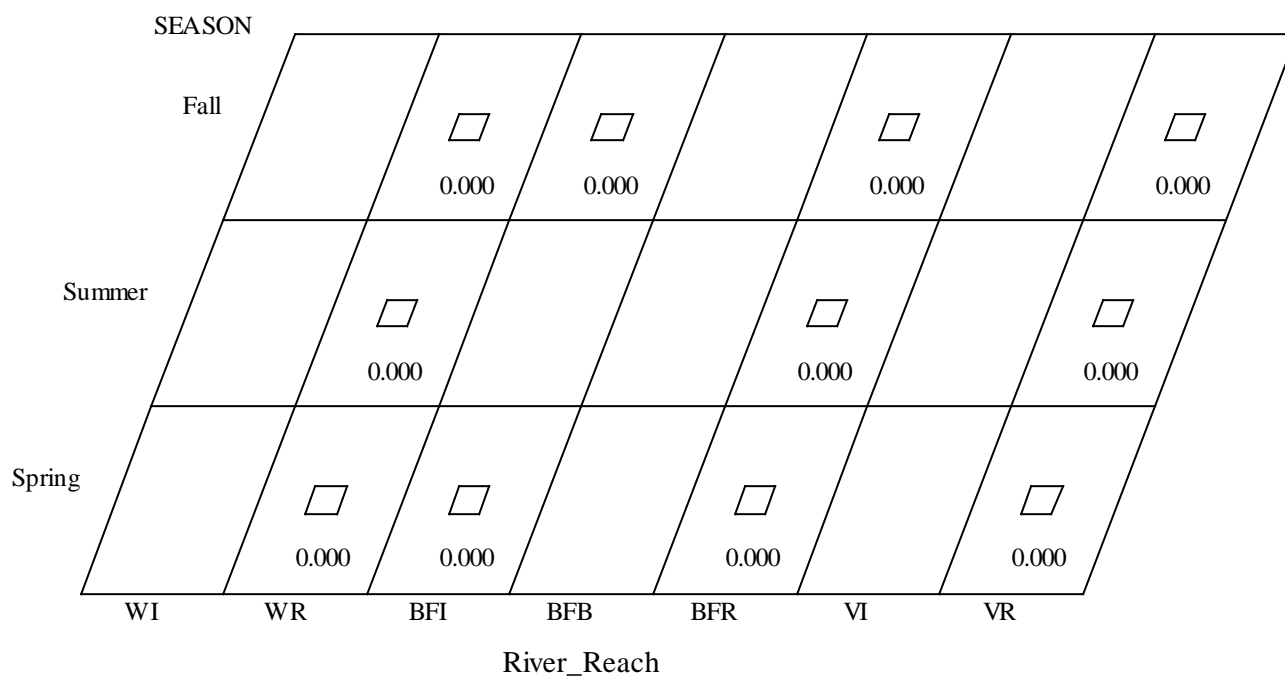
species=Brown bullhead



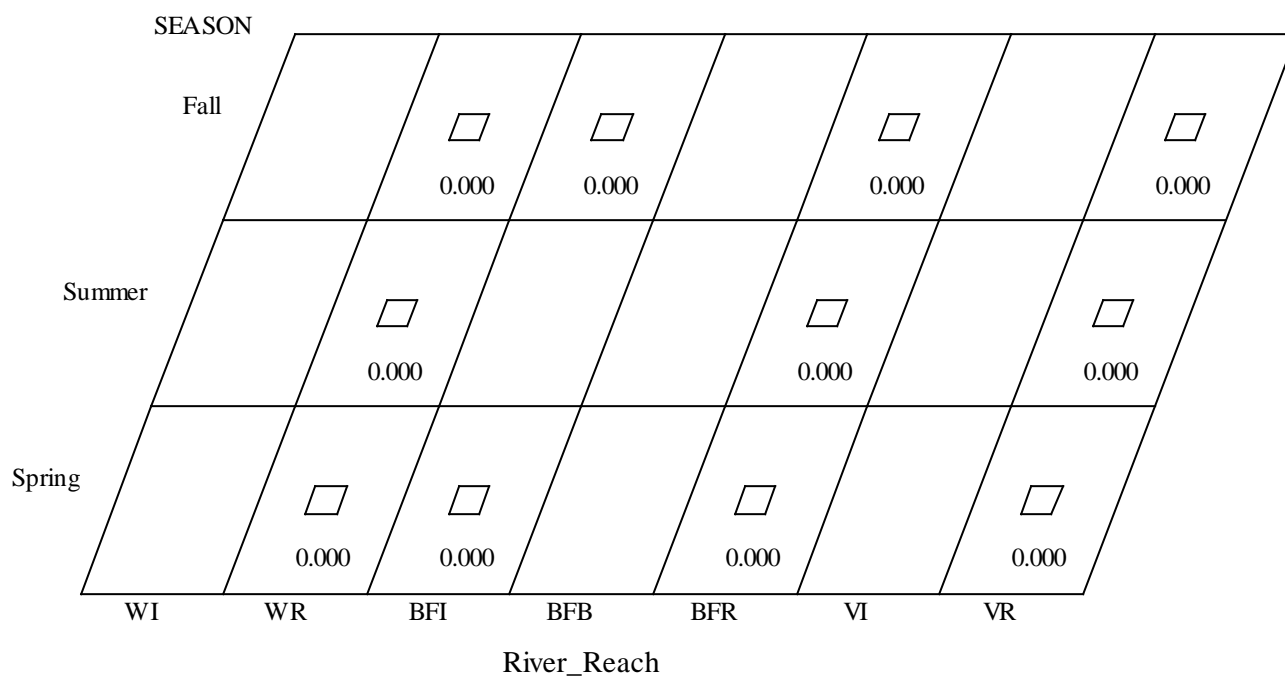
species=Brown trout



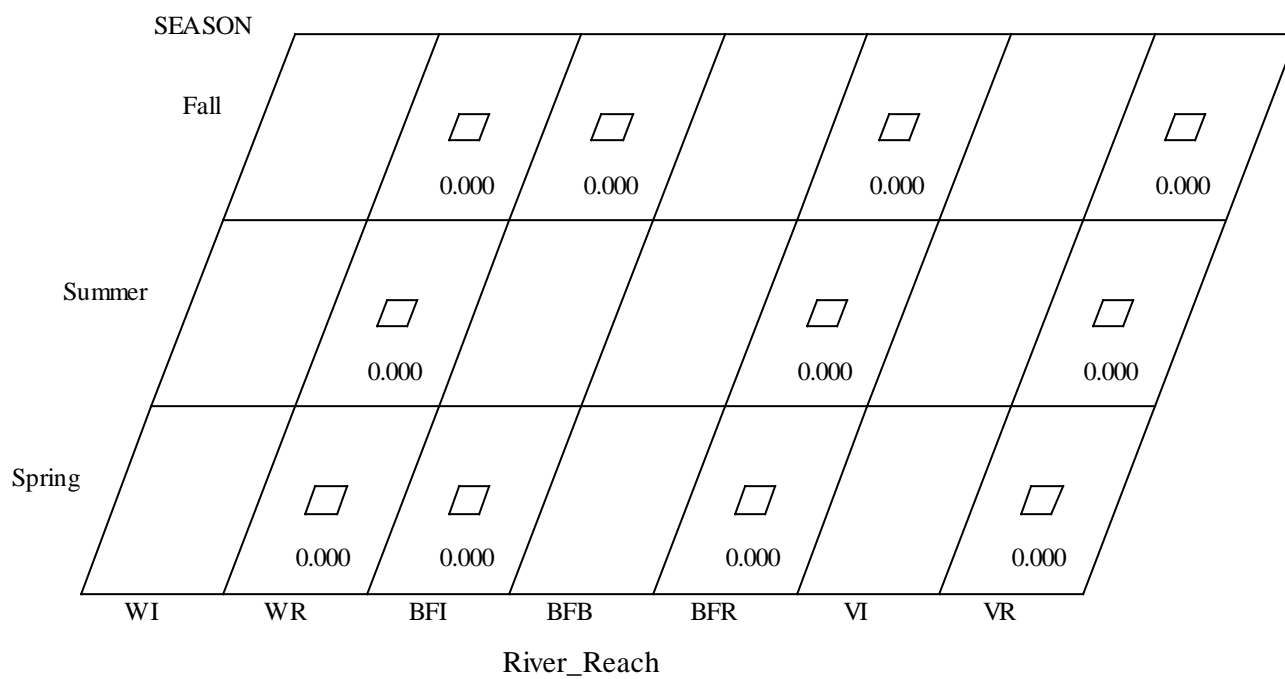
species=Burbot



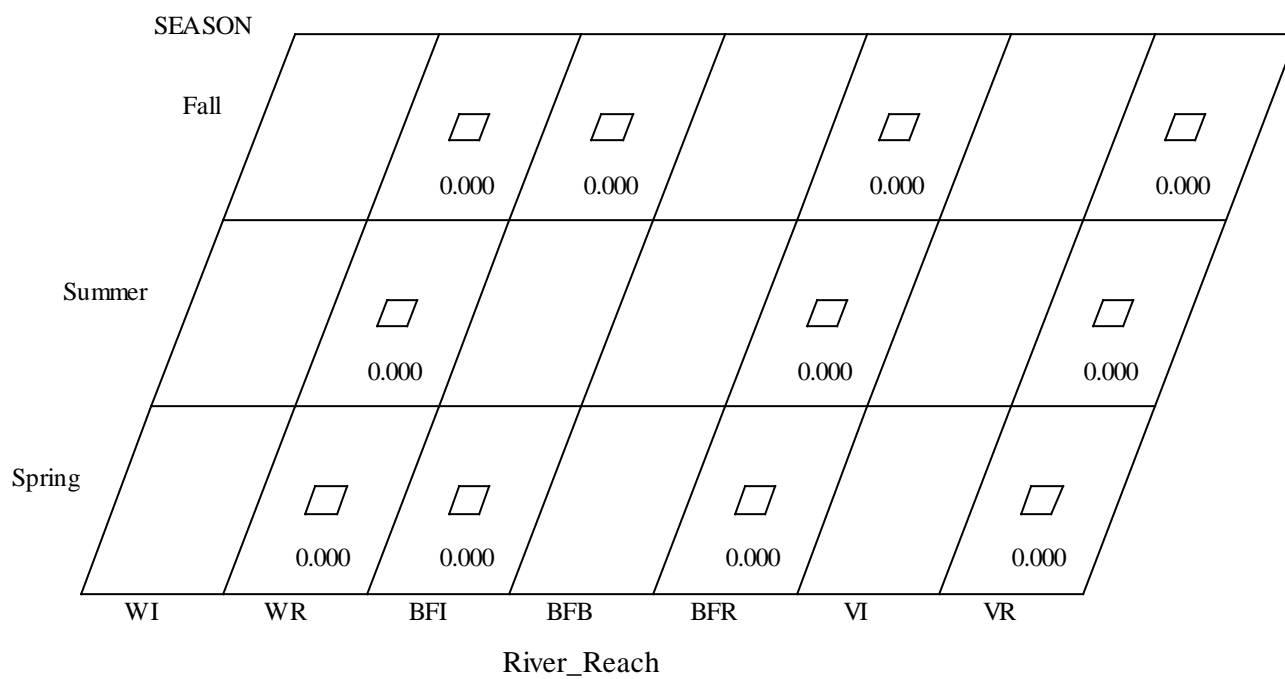
species=Chain pickerel



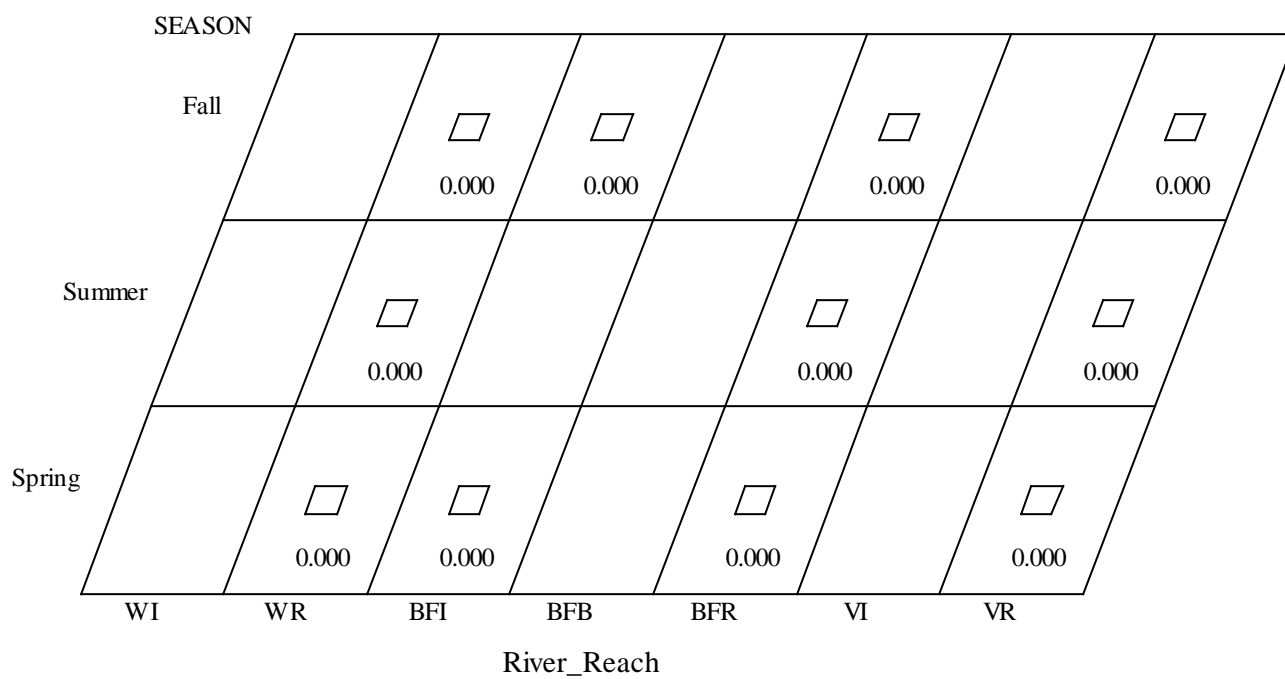
species=Channel catfish



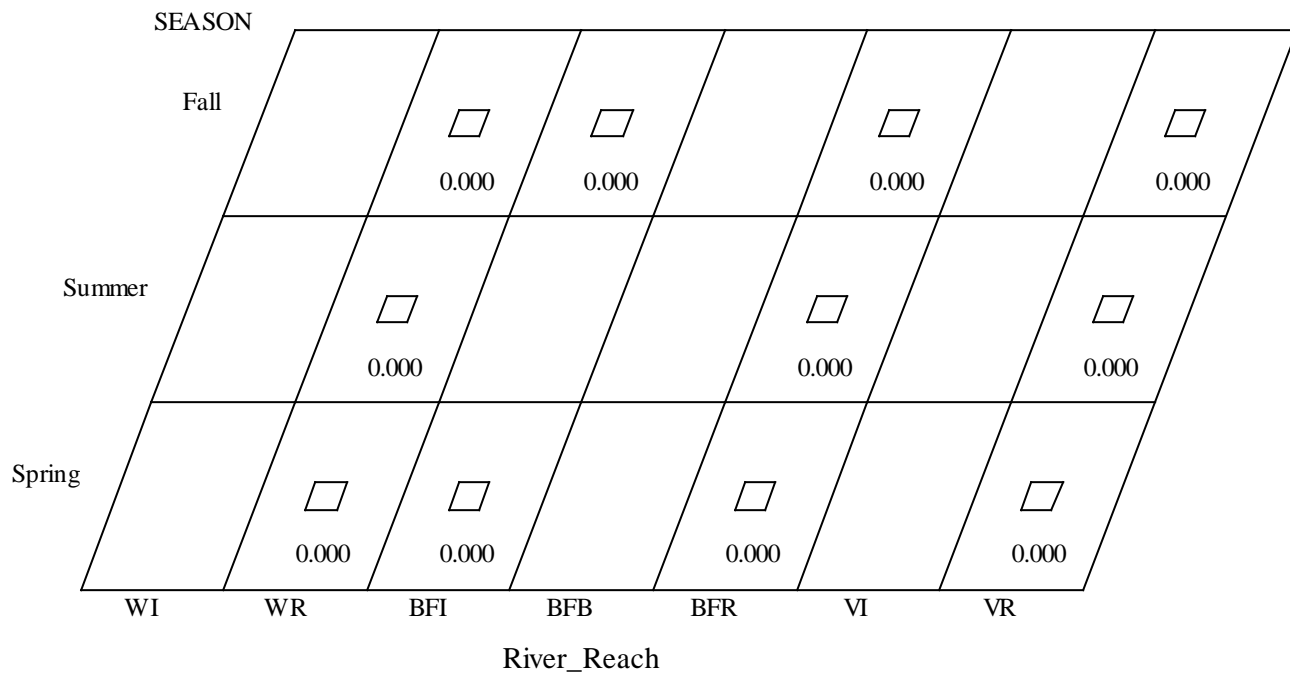
```
species=Common carp
```



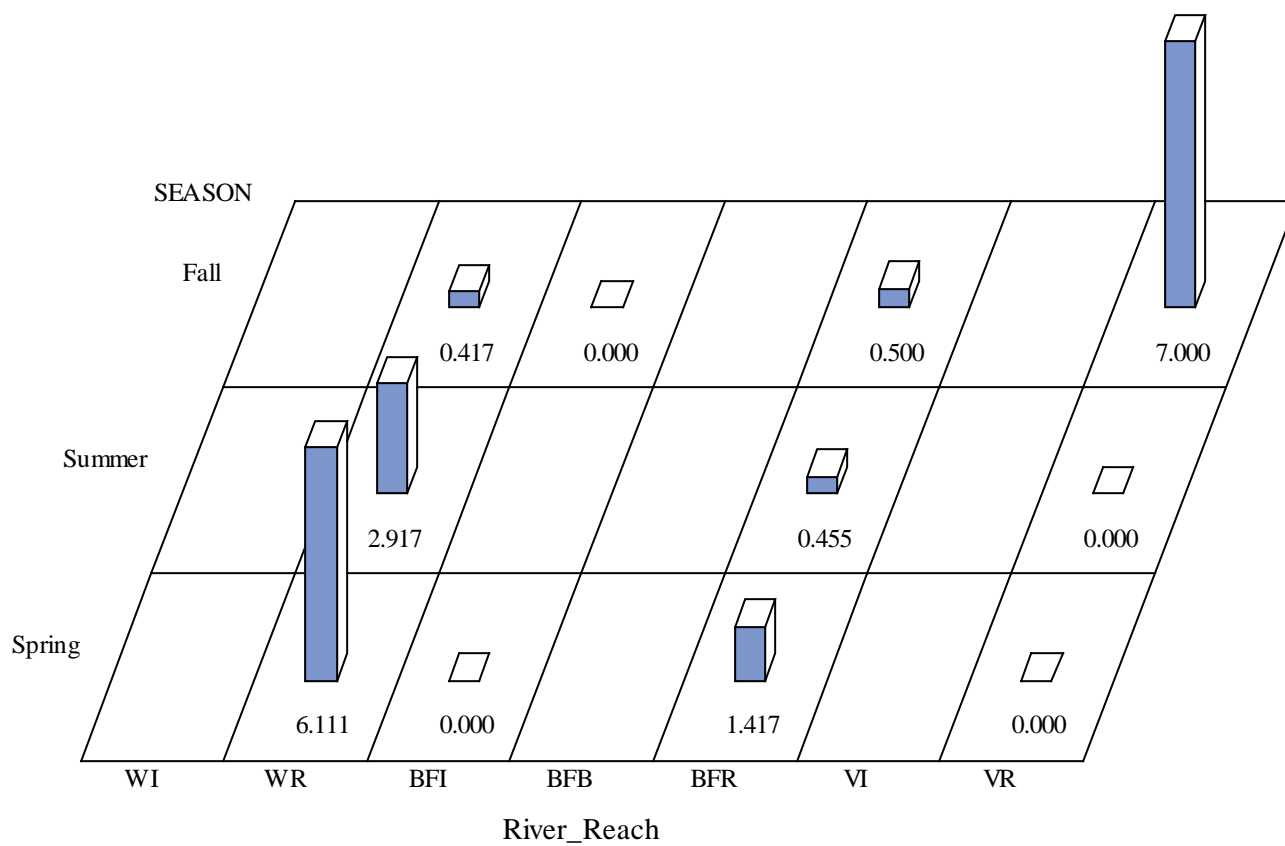
species=Creek chub



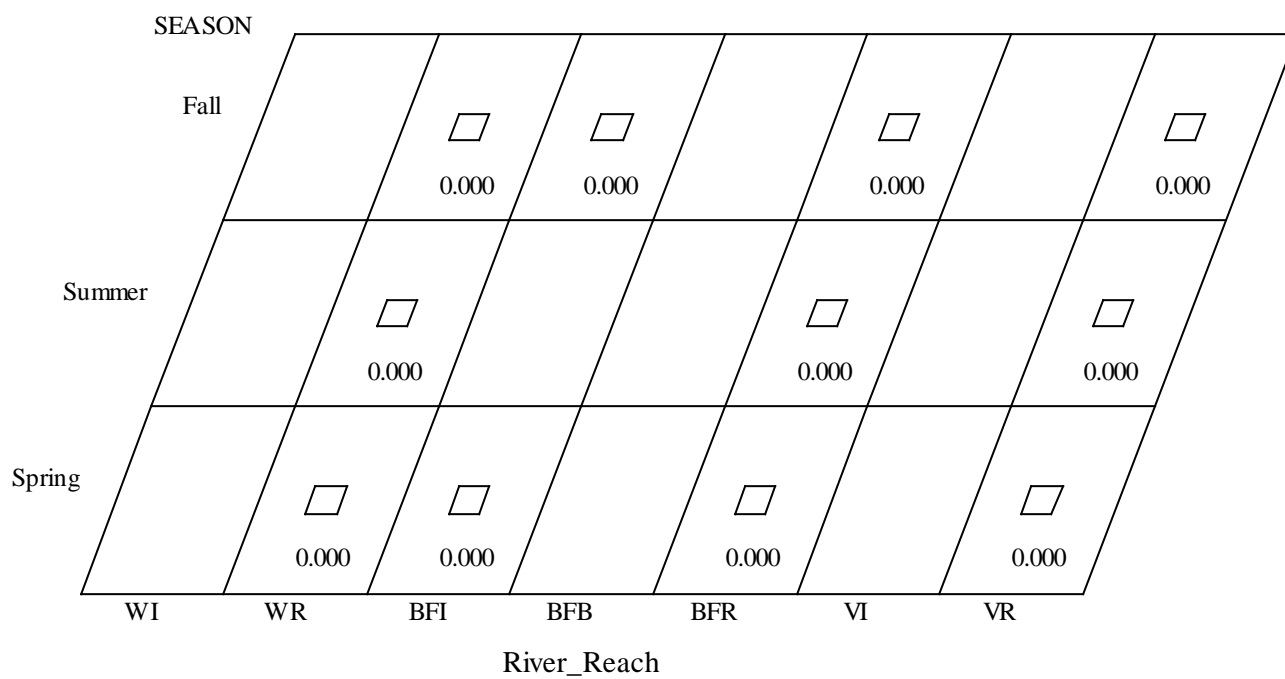
species=Cutlips minnow



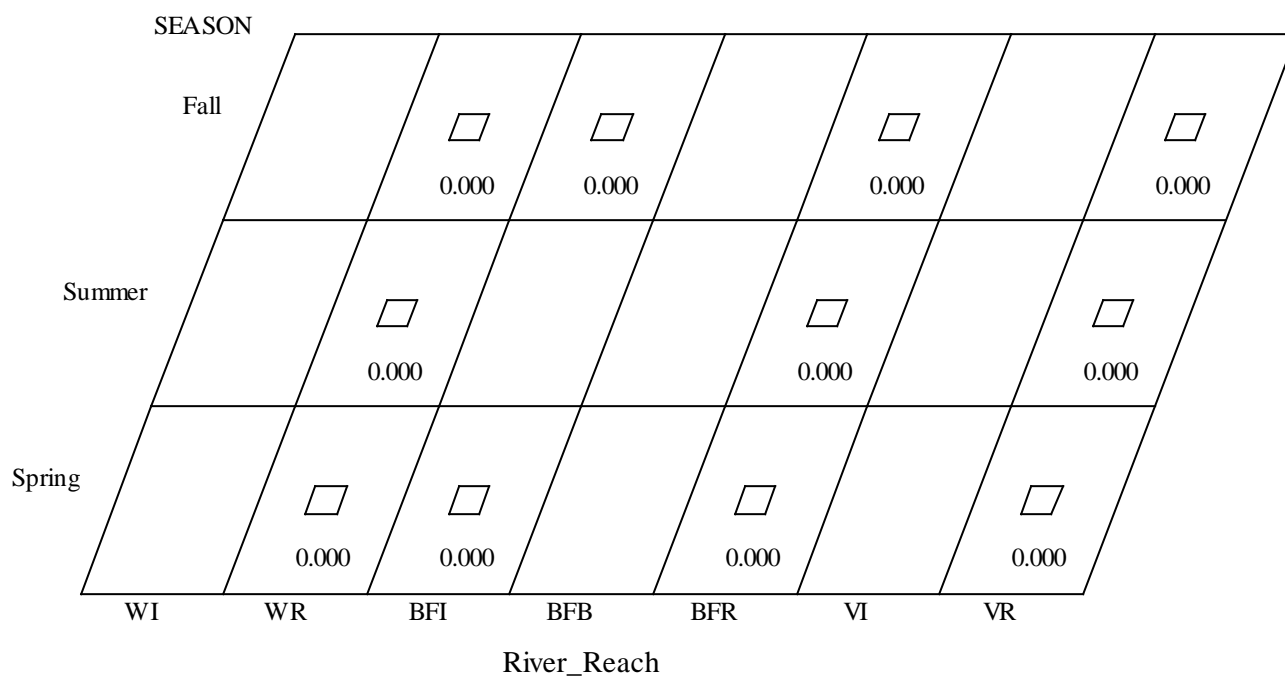
species=Fallfish



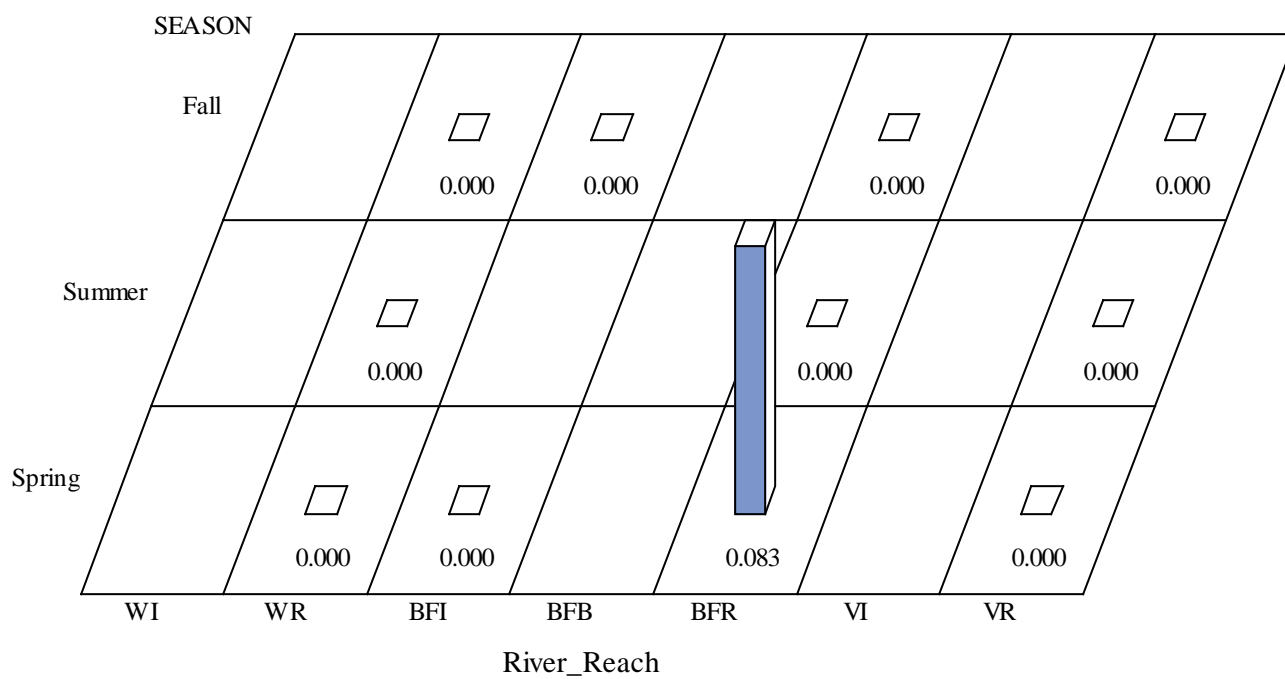
species=Fathead minnow



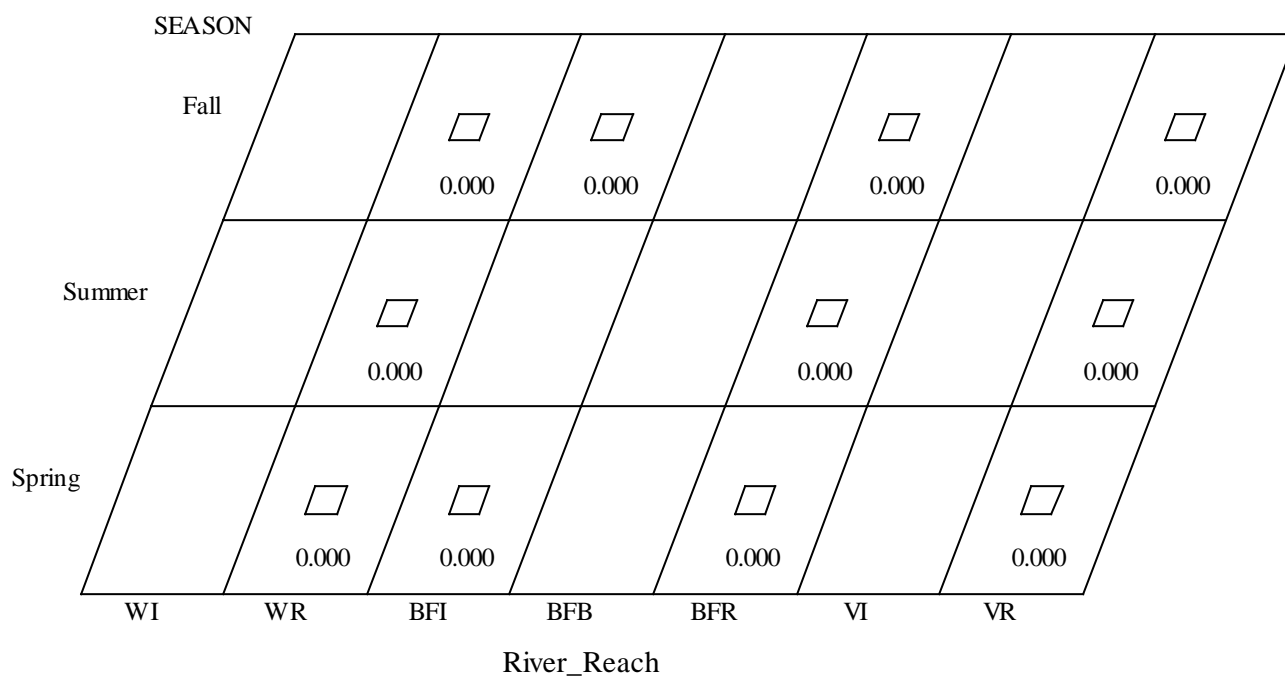
species=Finescale dace



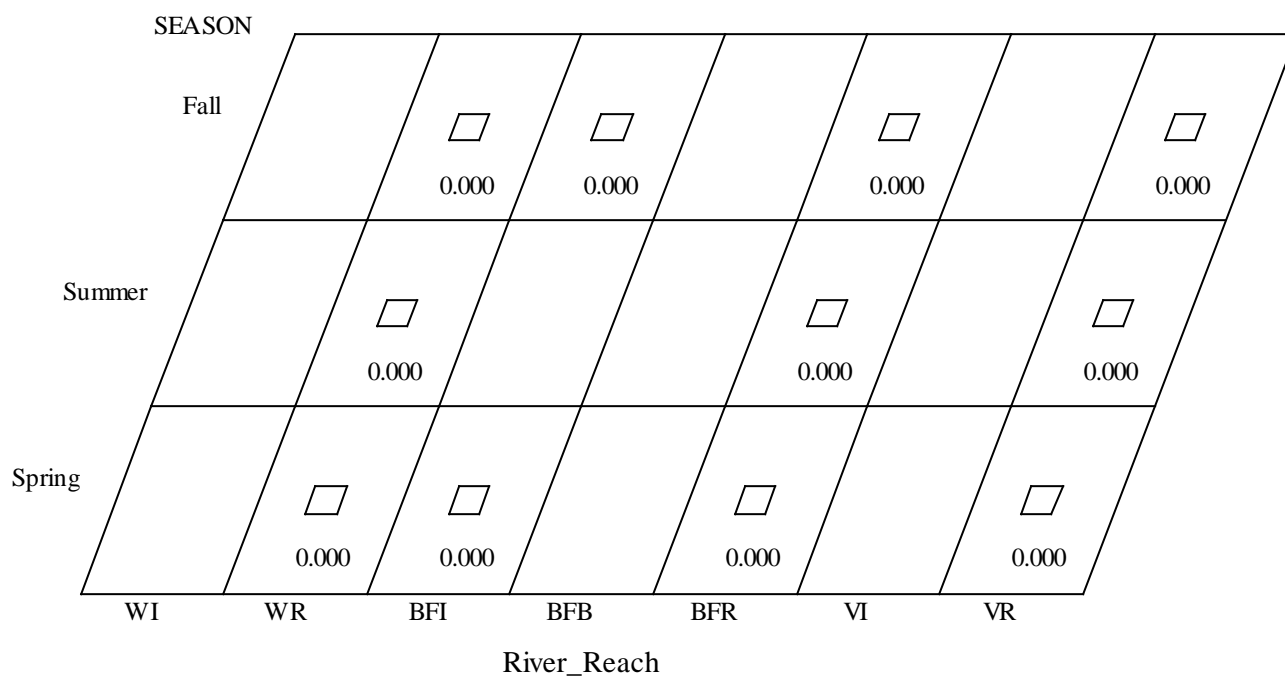
species=Golden shiner



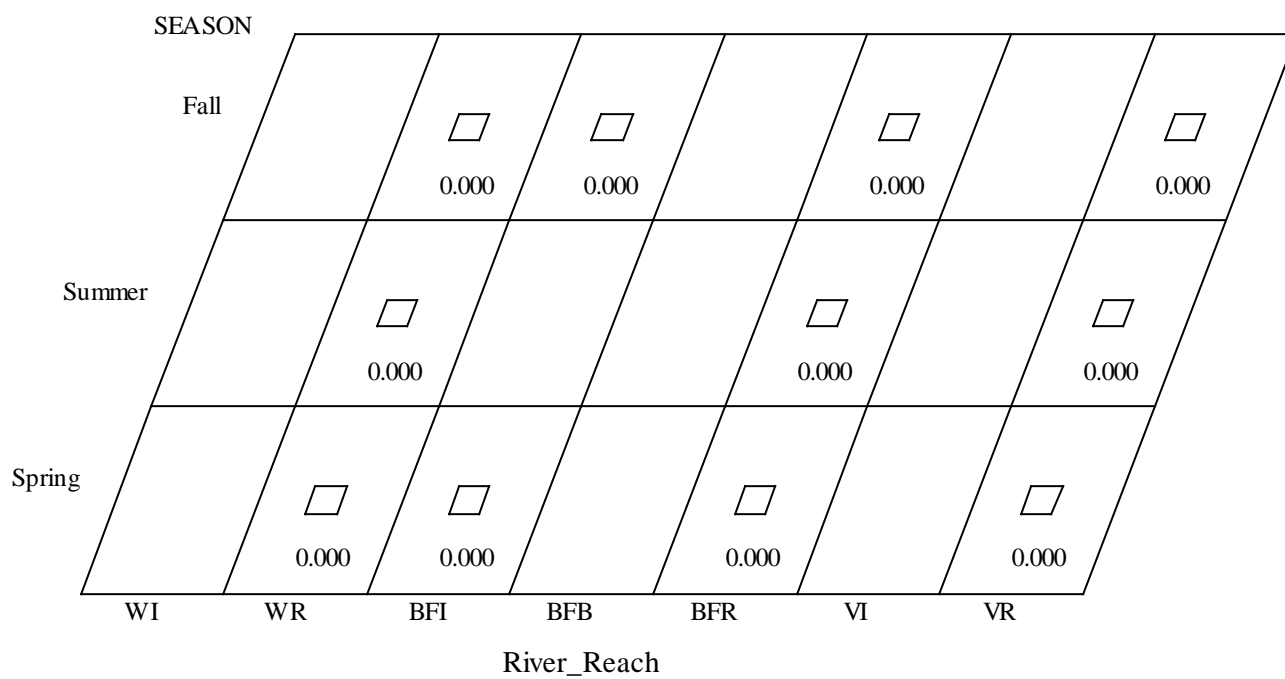
species=Lake chub



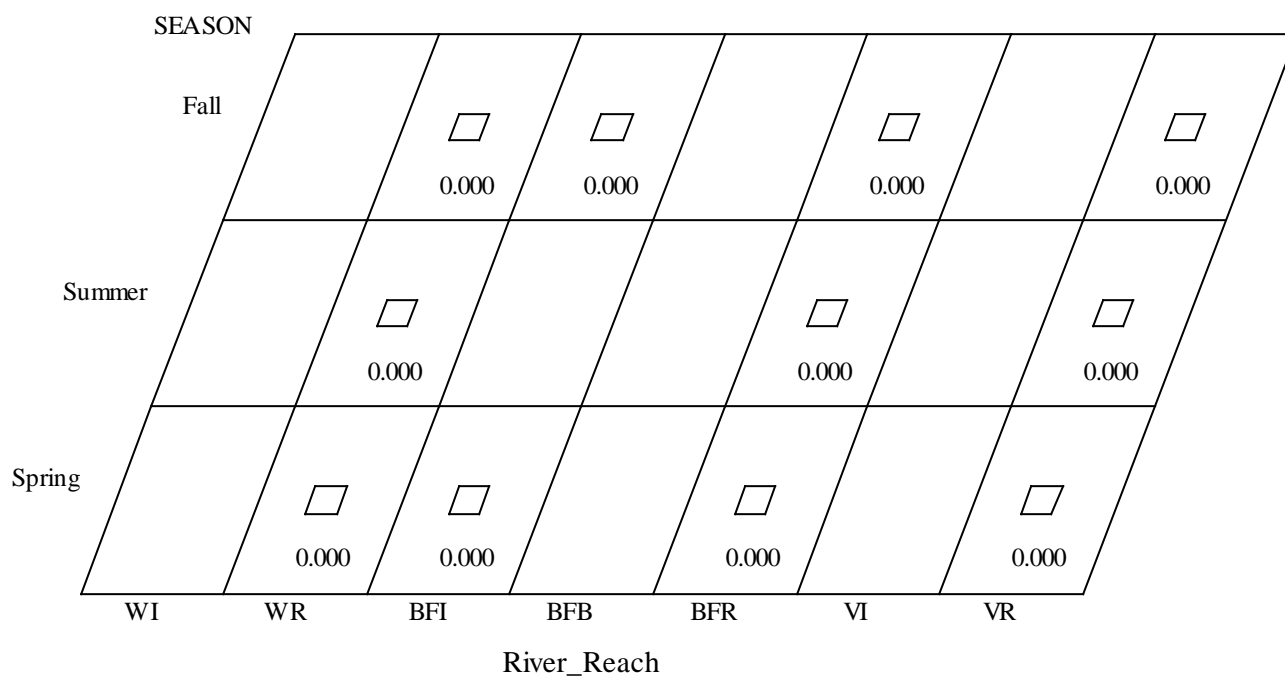
species=Longnose dace



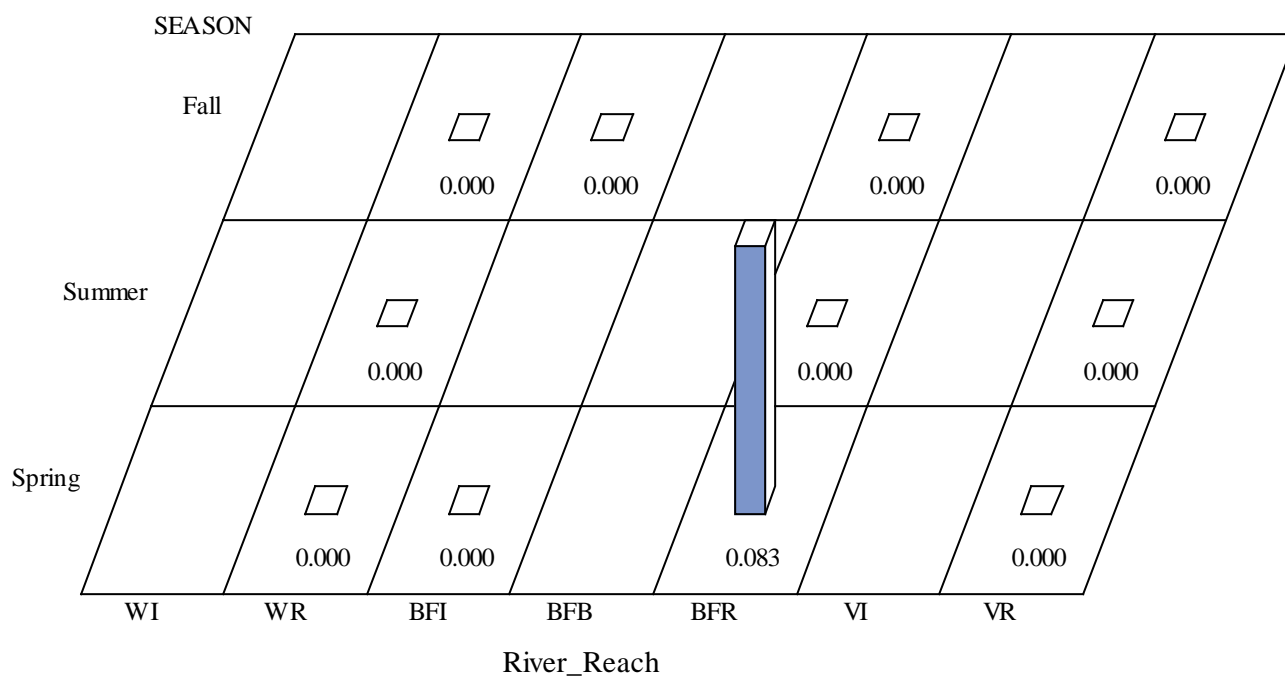
species=Longnose sucker



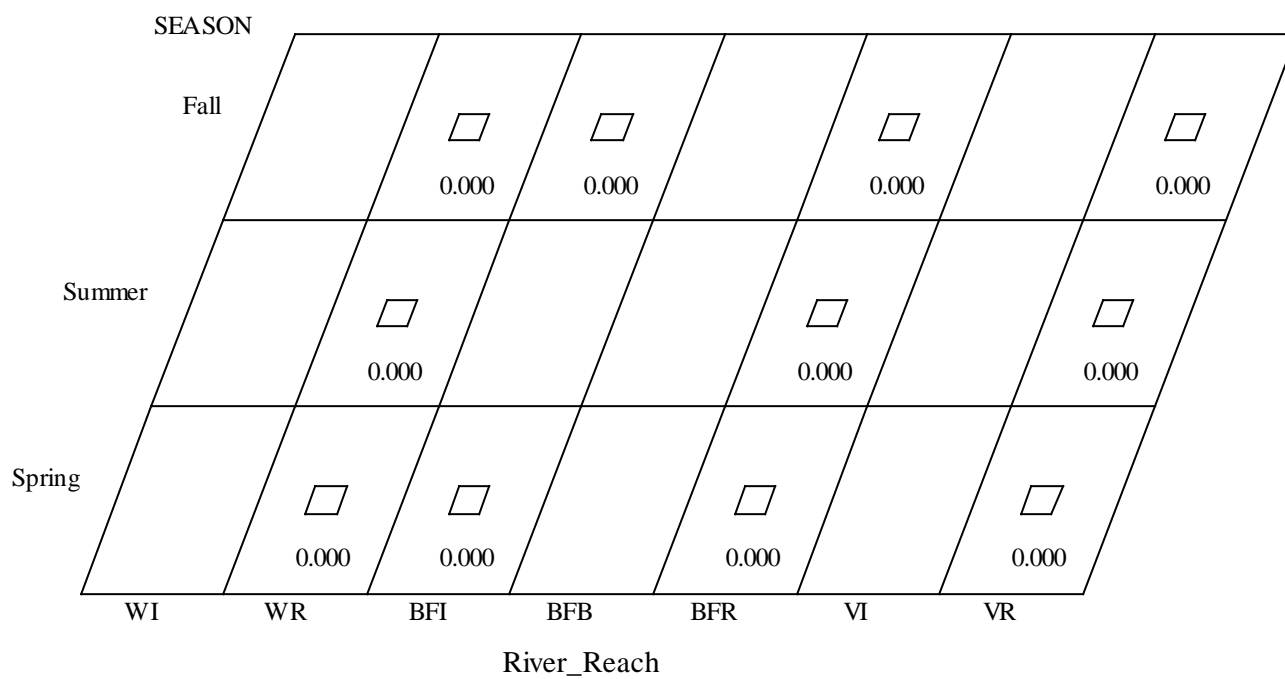
species=Mimic shiner



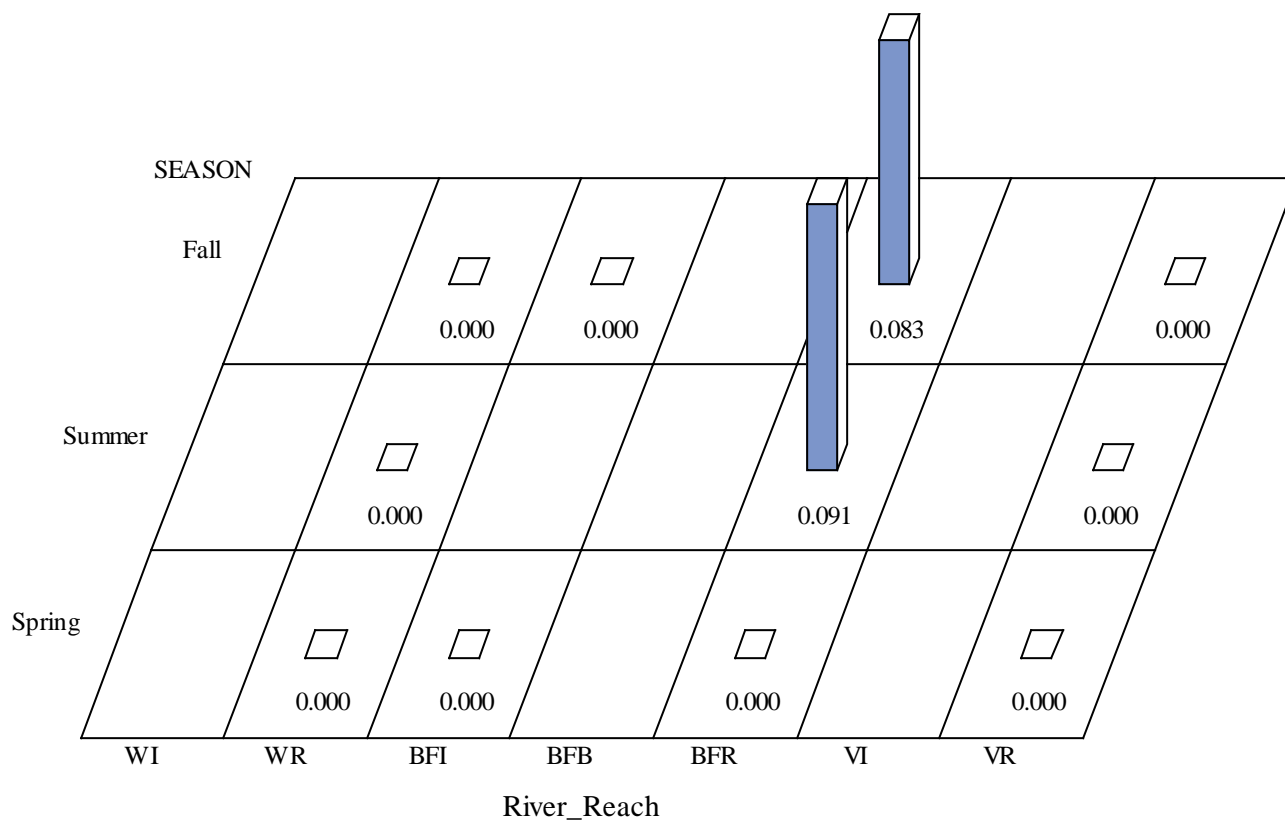
species=Northern pike



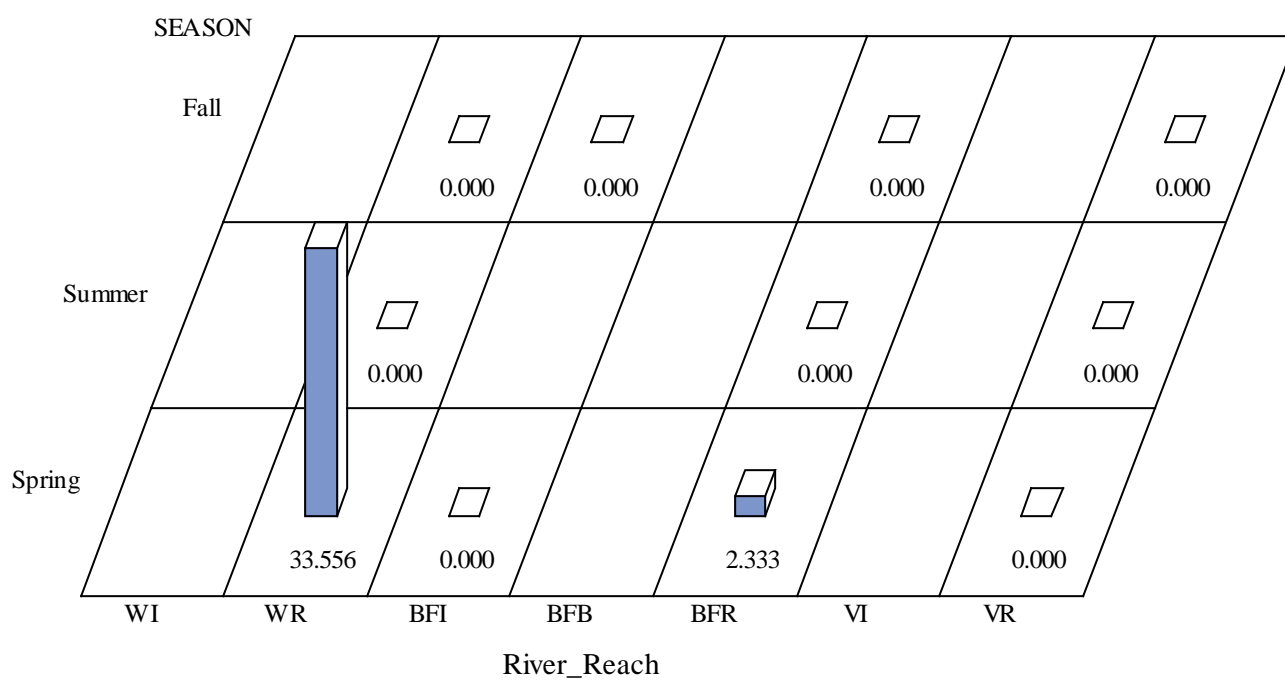
species=Pumpkinseed



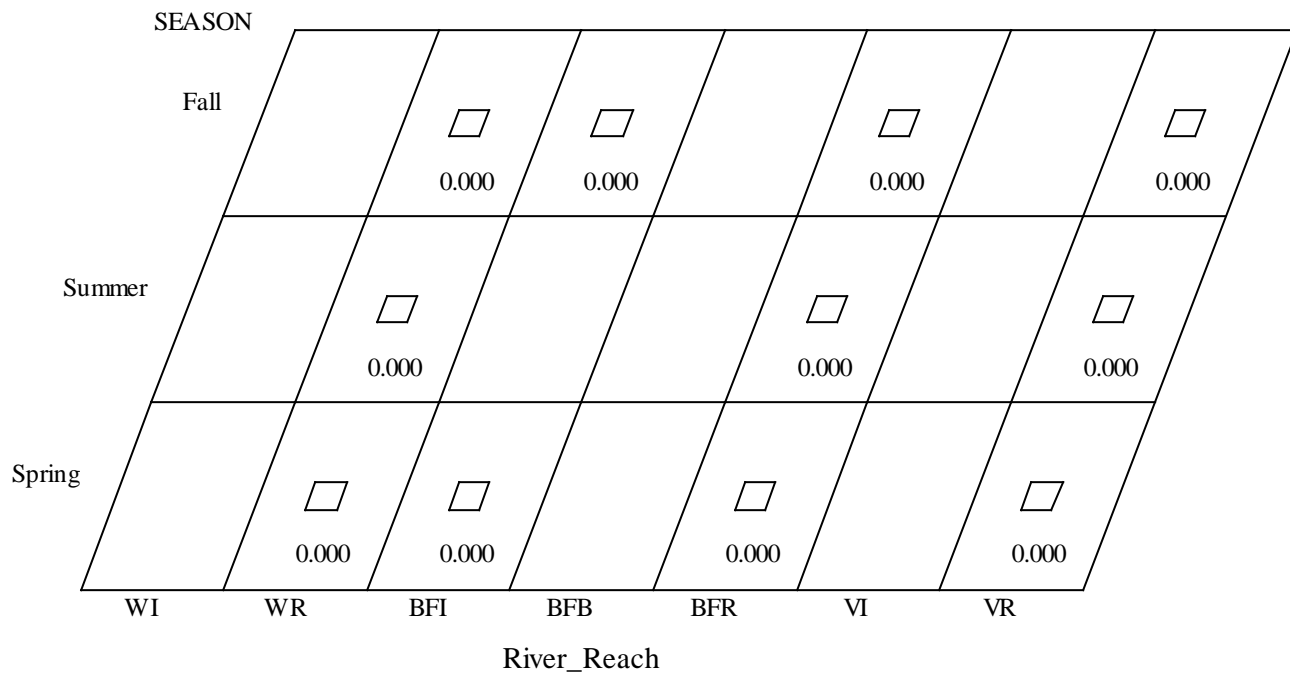
```
species=Rock bass
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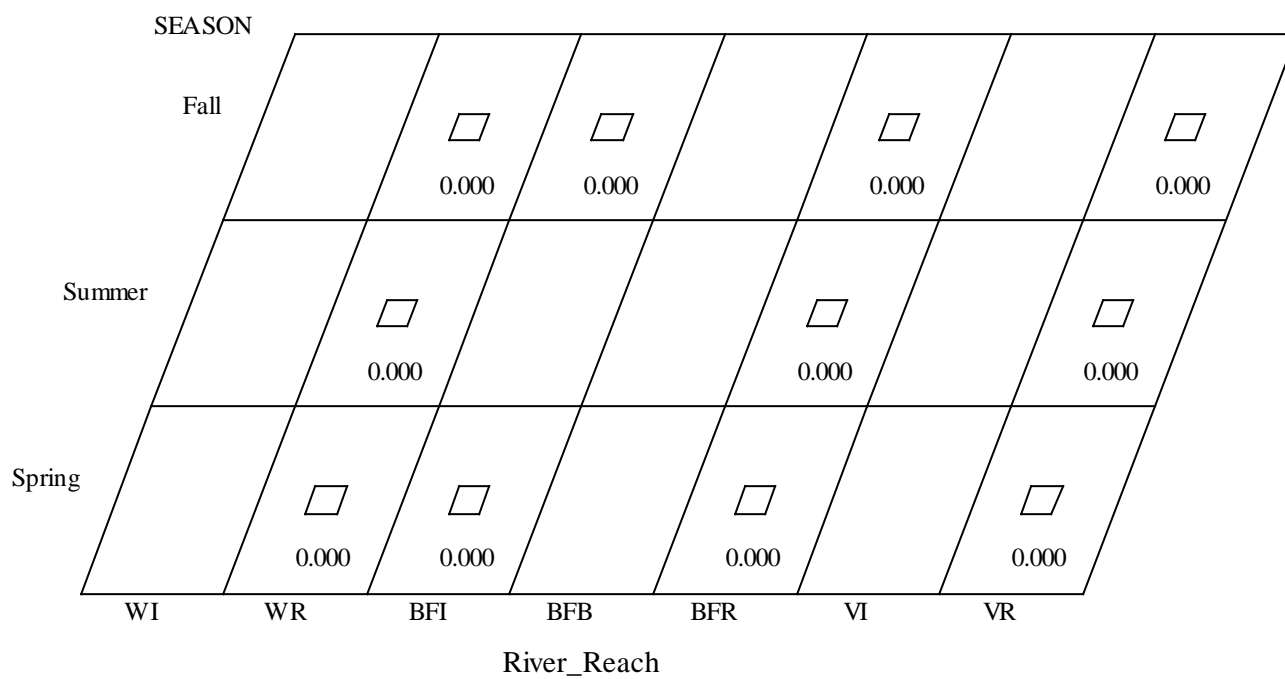
species=Rosyface shiner



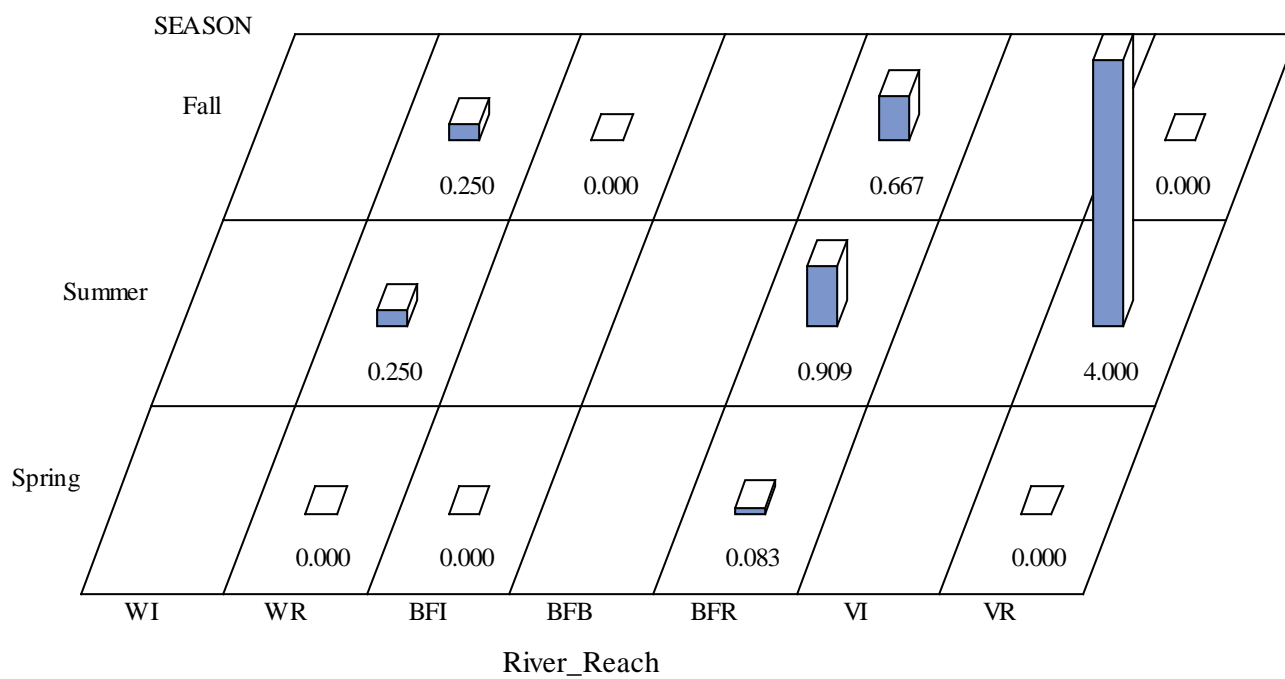
species=Sea lamprey



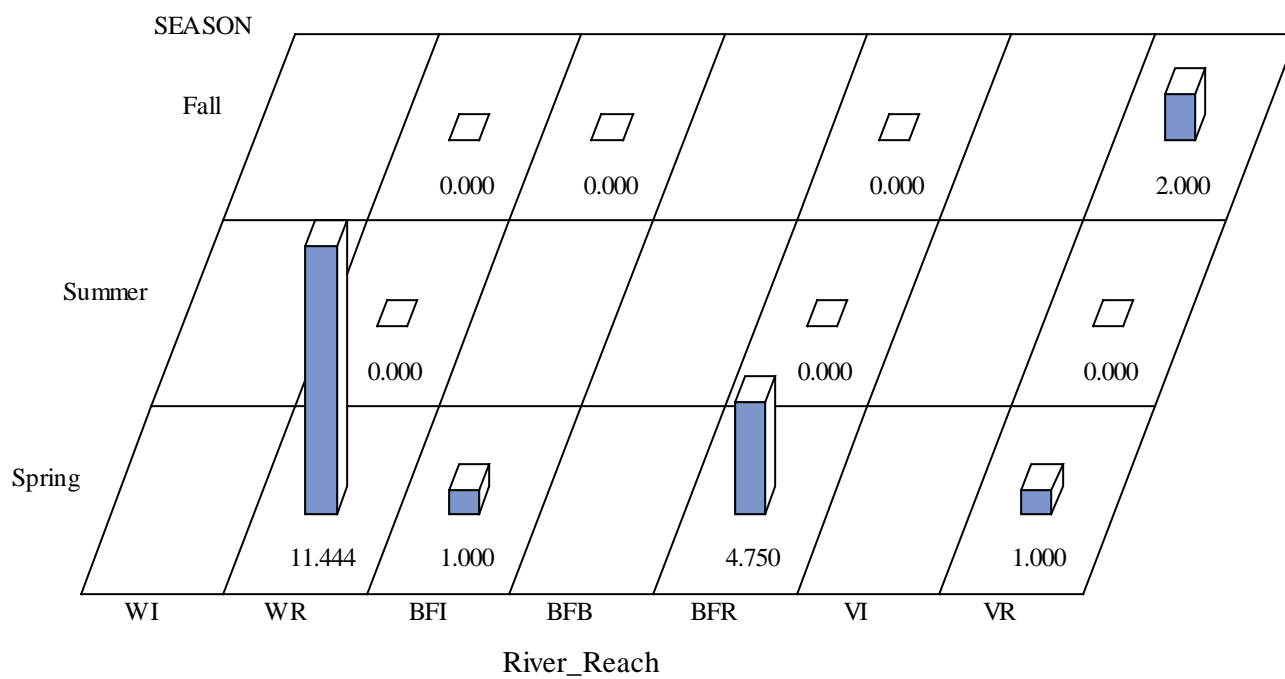
species=Slimy sculpin



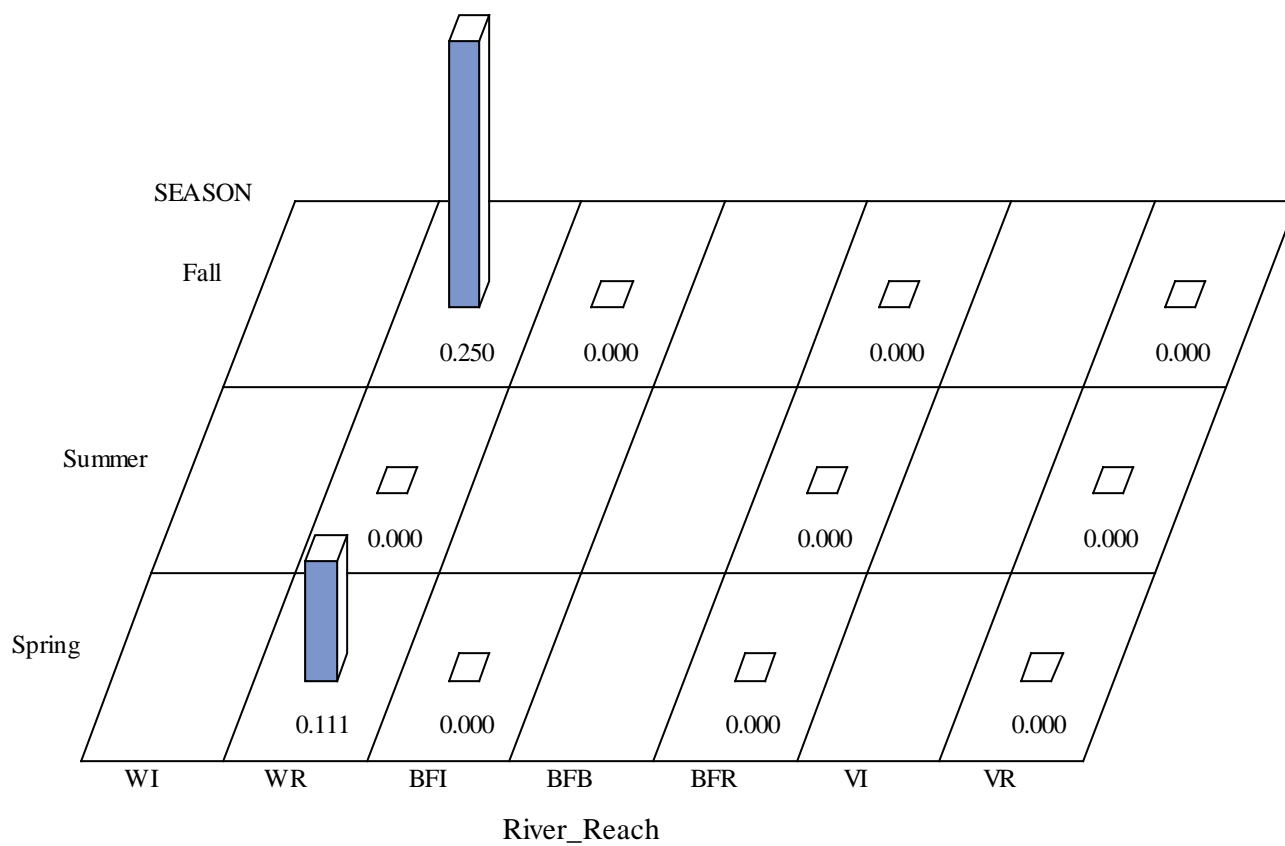
species=Smallmouth bass



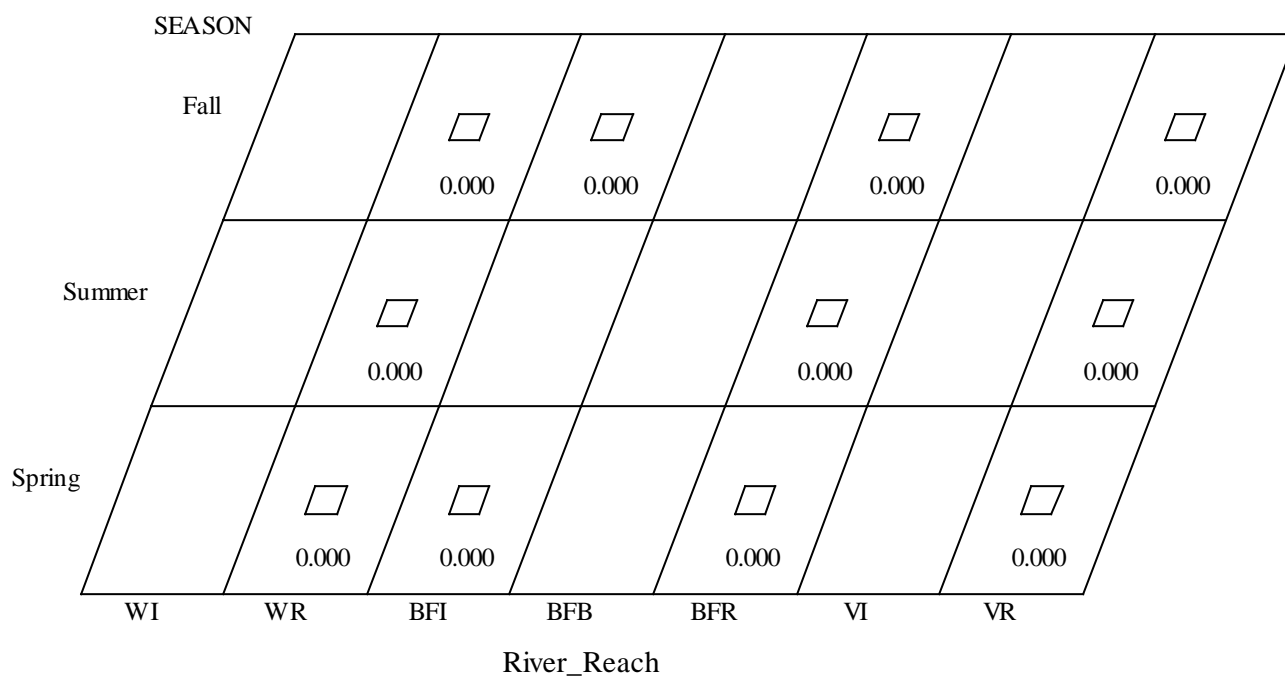
species=Spottail shiner



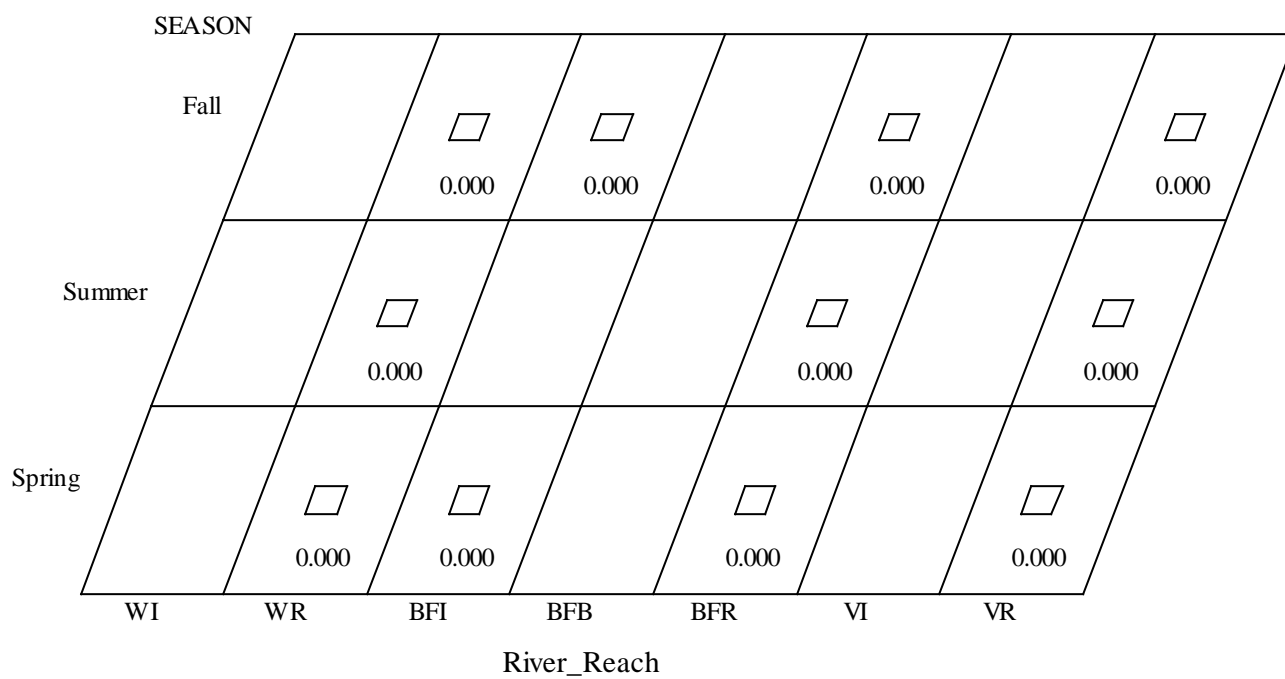
species=Tessellated darter



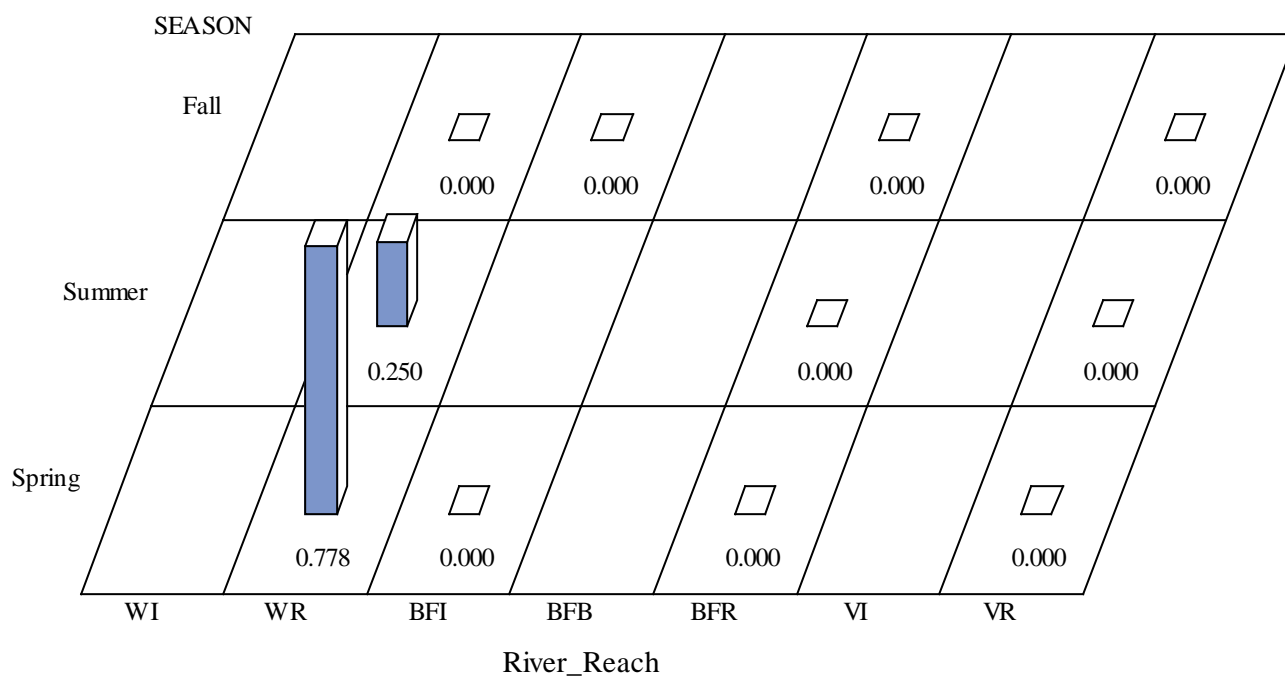
species=Walleye



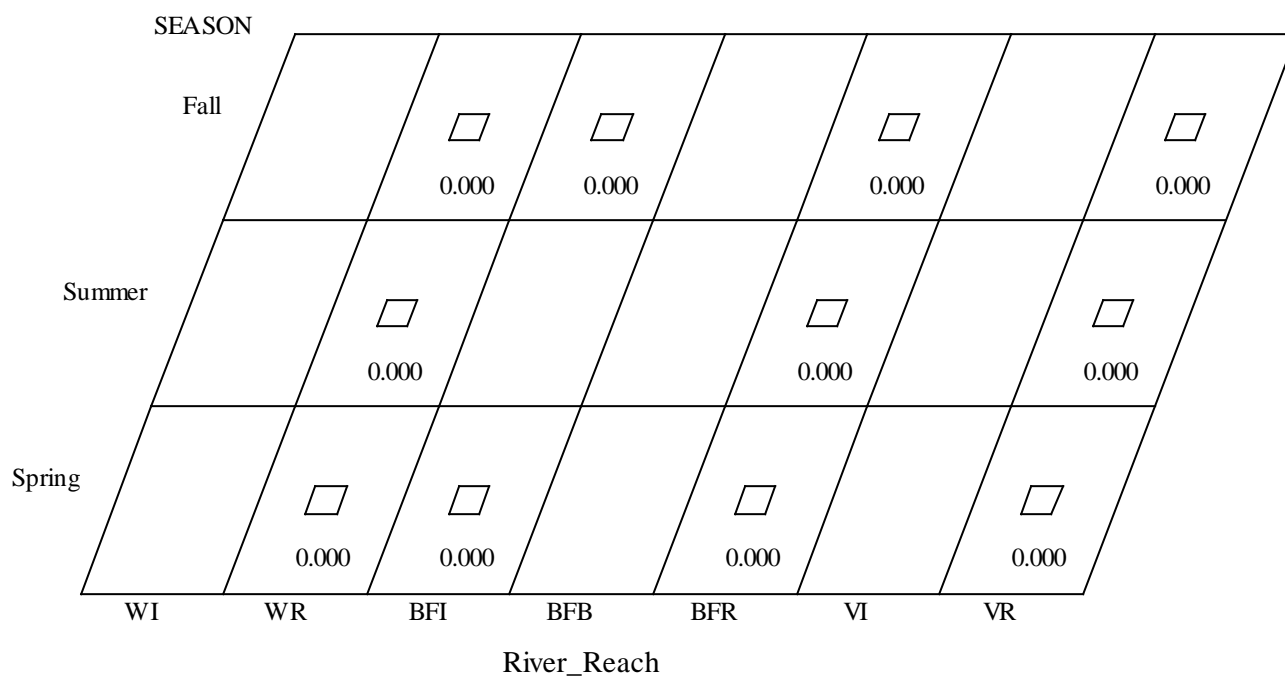
species=White perch



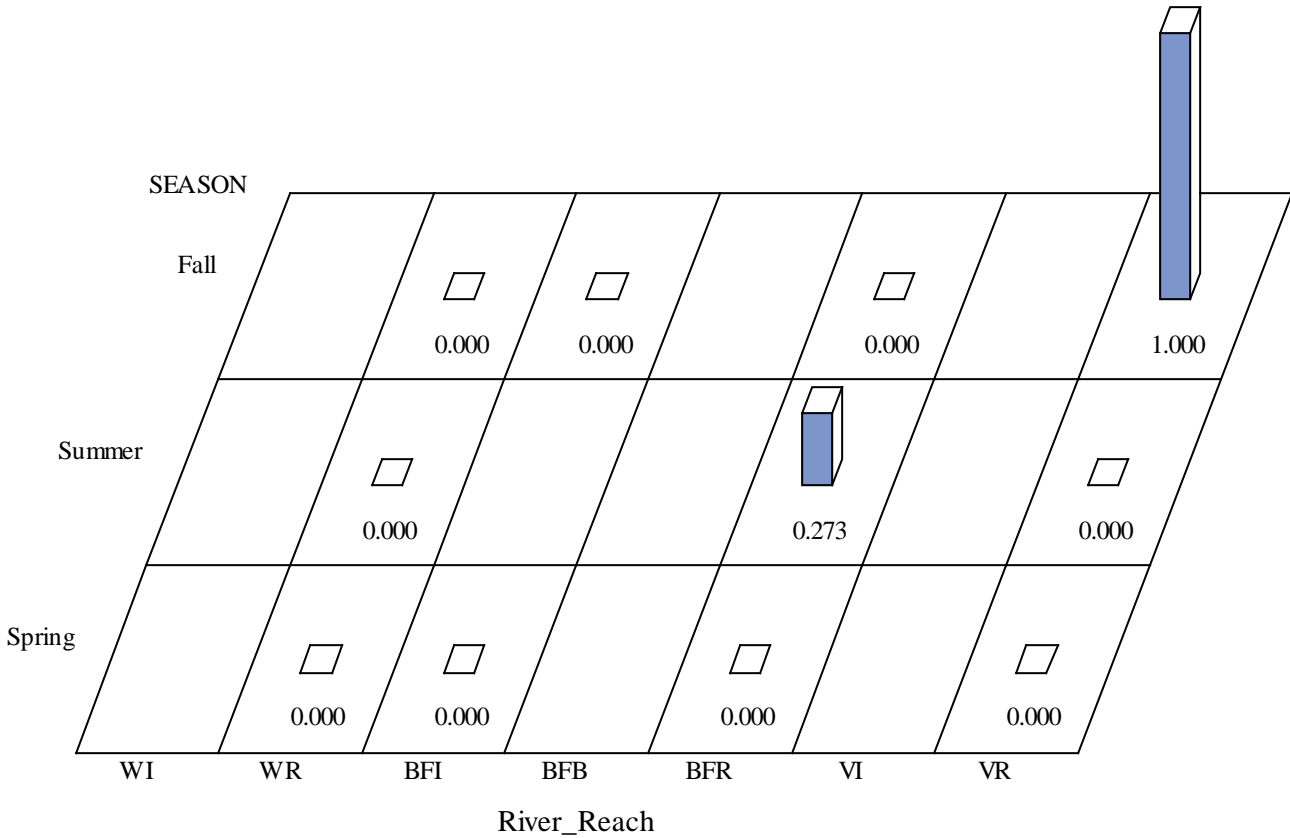
species=White sucker



species=Yellow bullhead

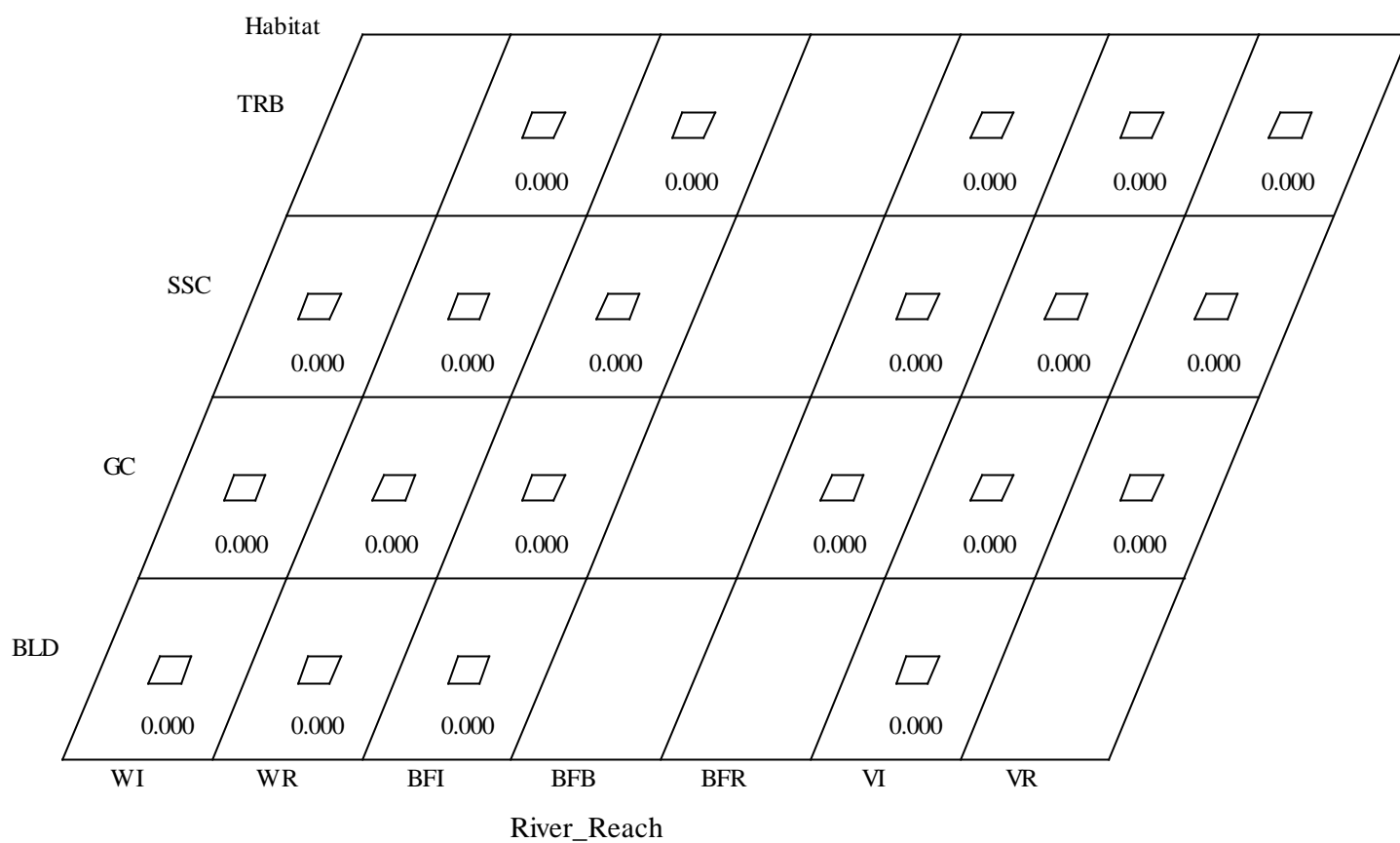


```
species=Yellow perch
```

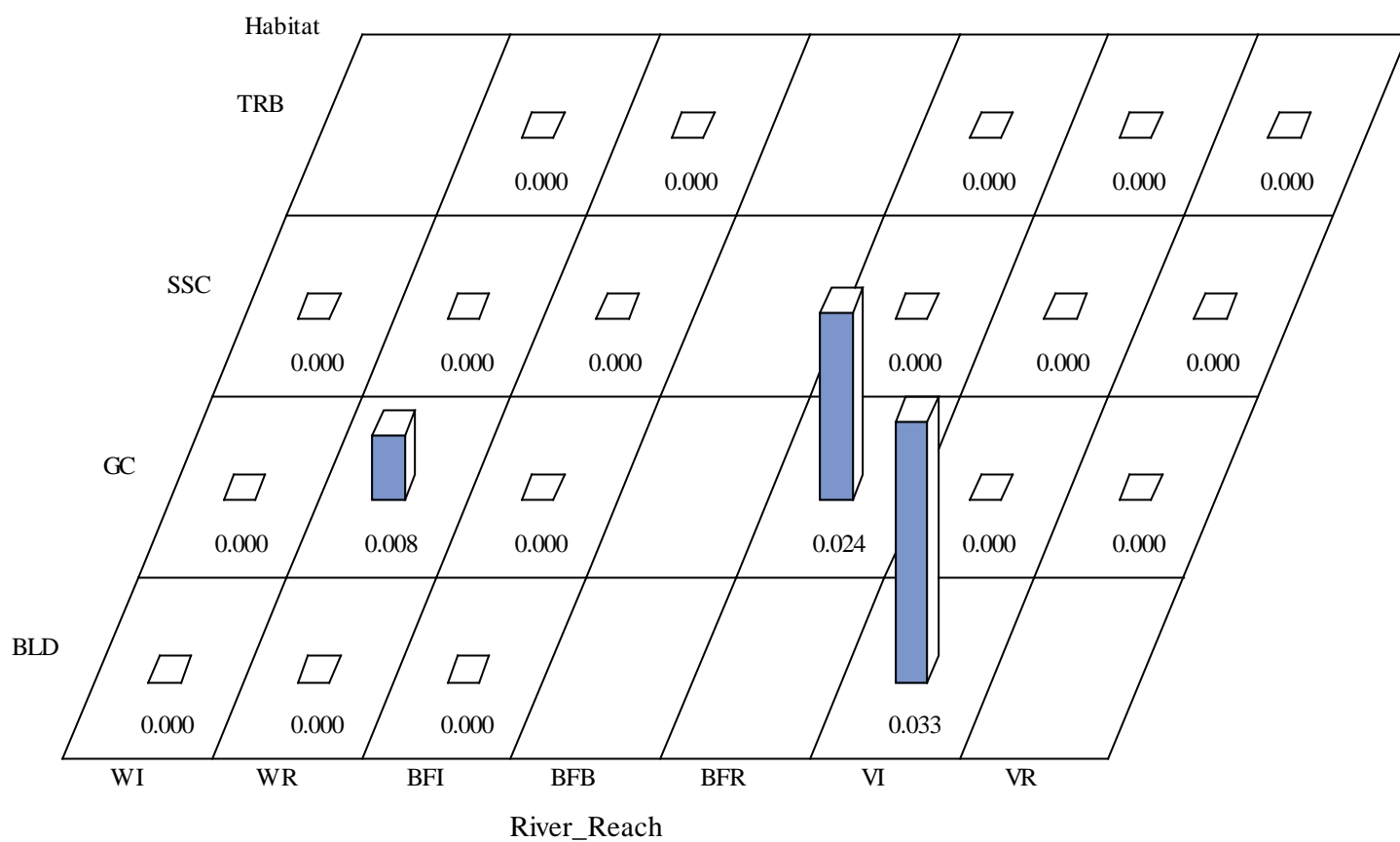


APPENDIX I

CPUA Values

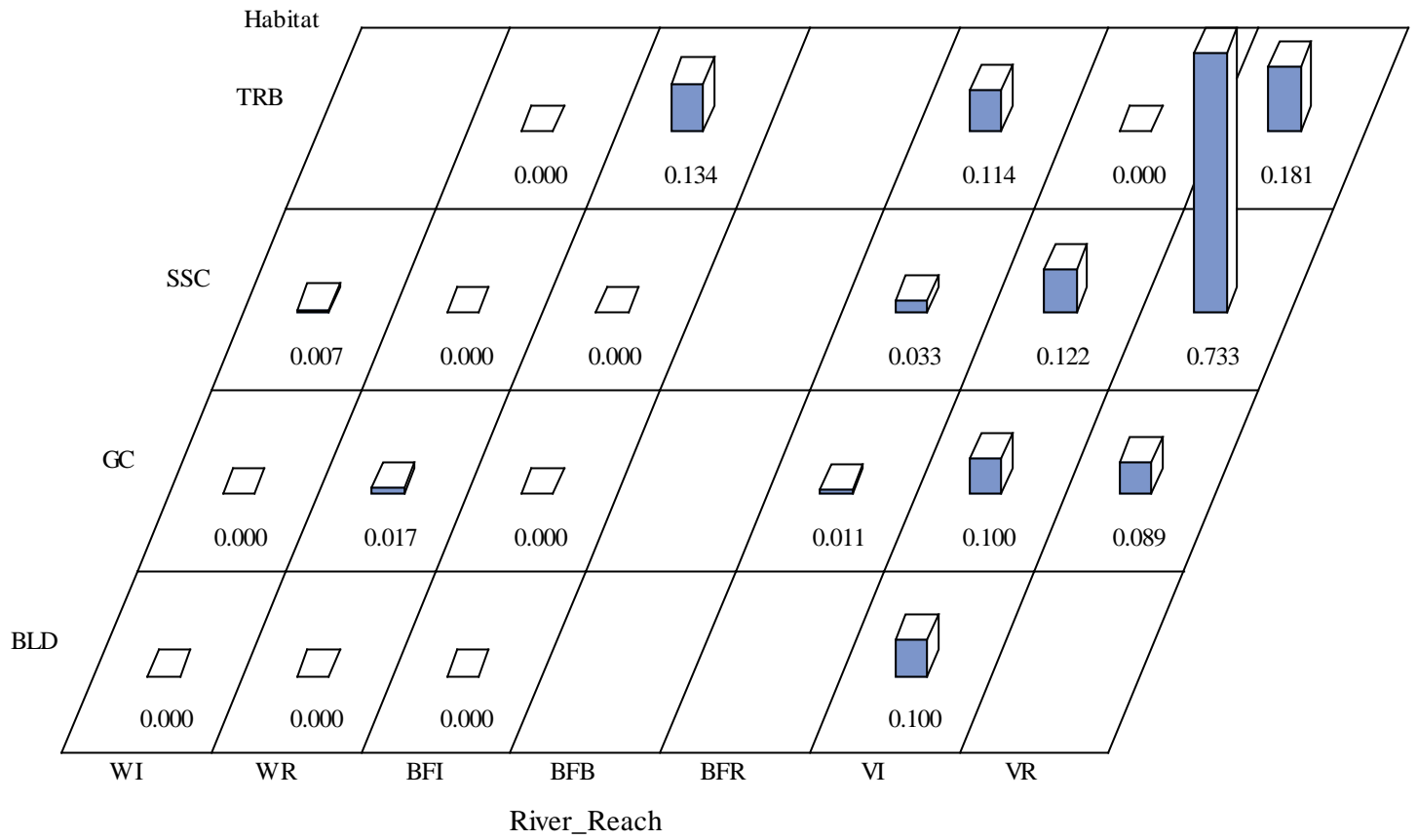


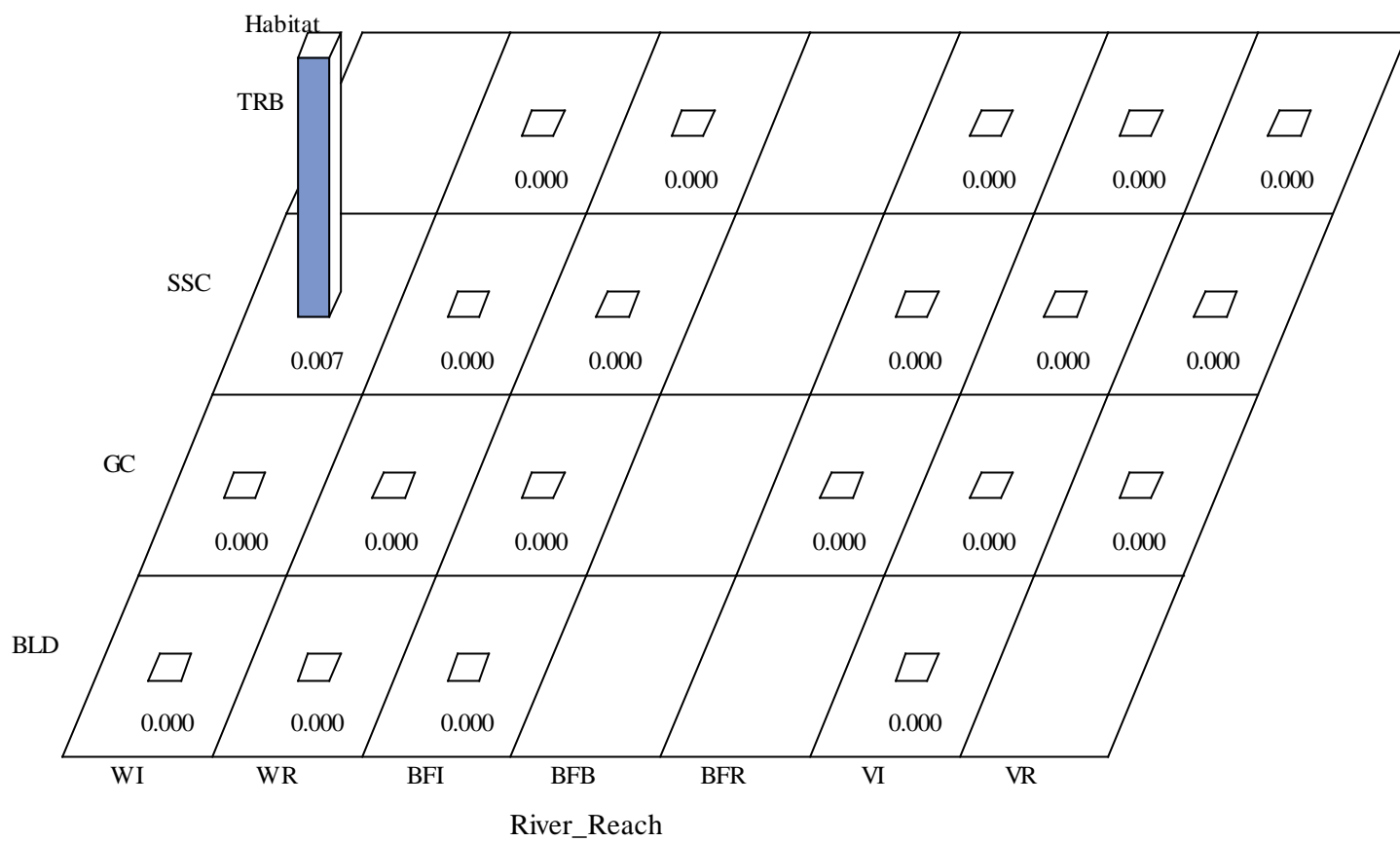
species=Banded killifish season=Spring

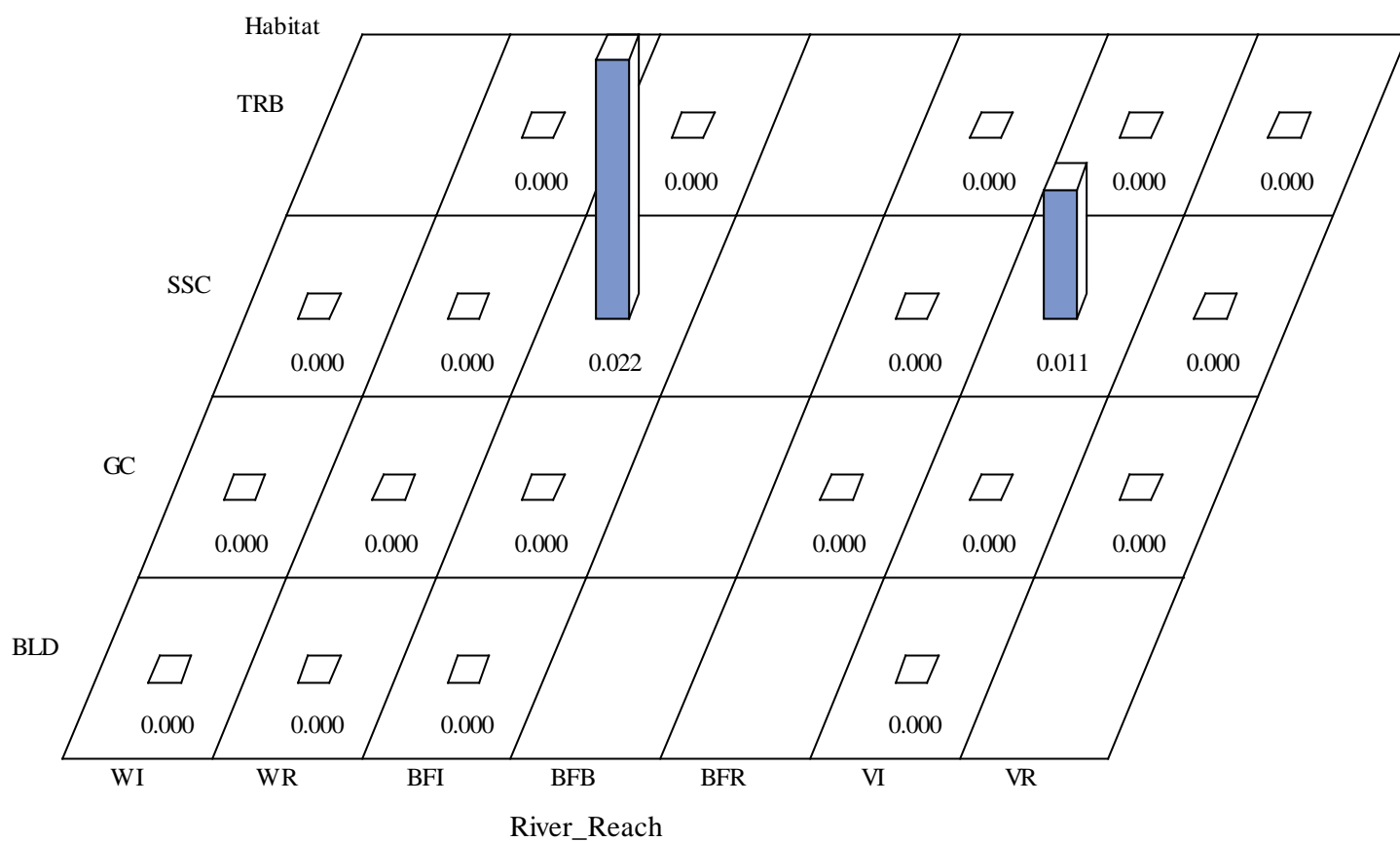


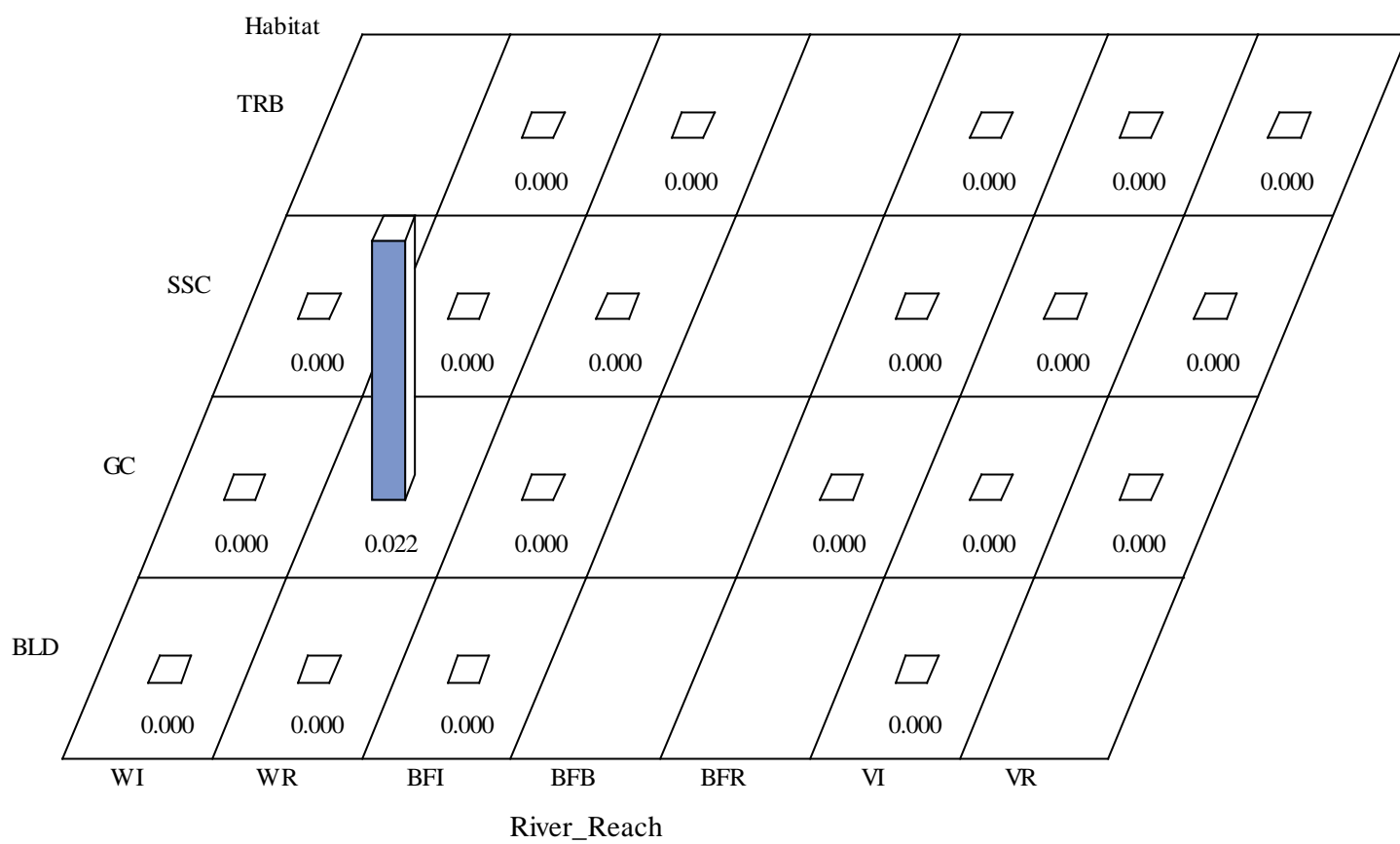
species=Black crappie season=Spring

species=Bluegill season=Spring



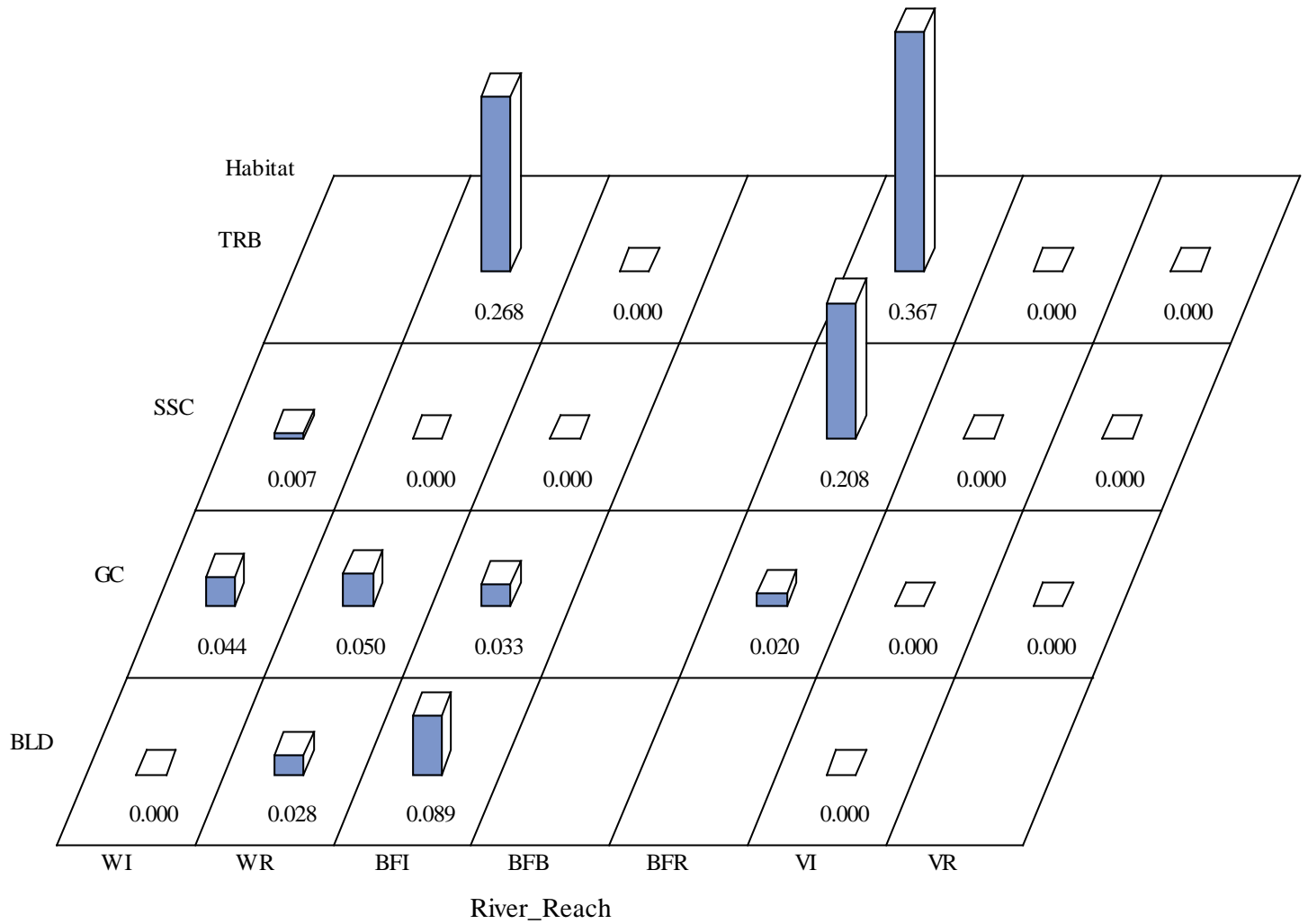


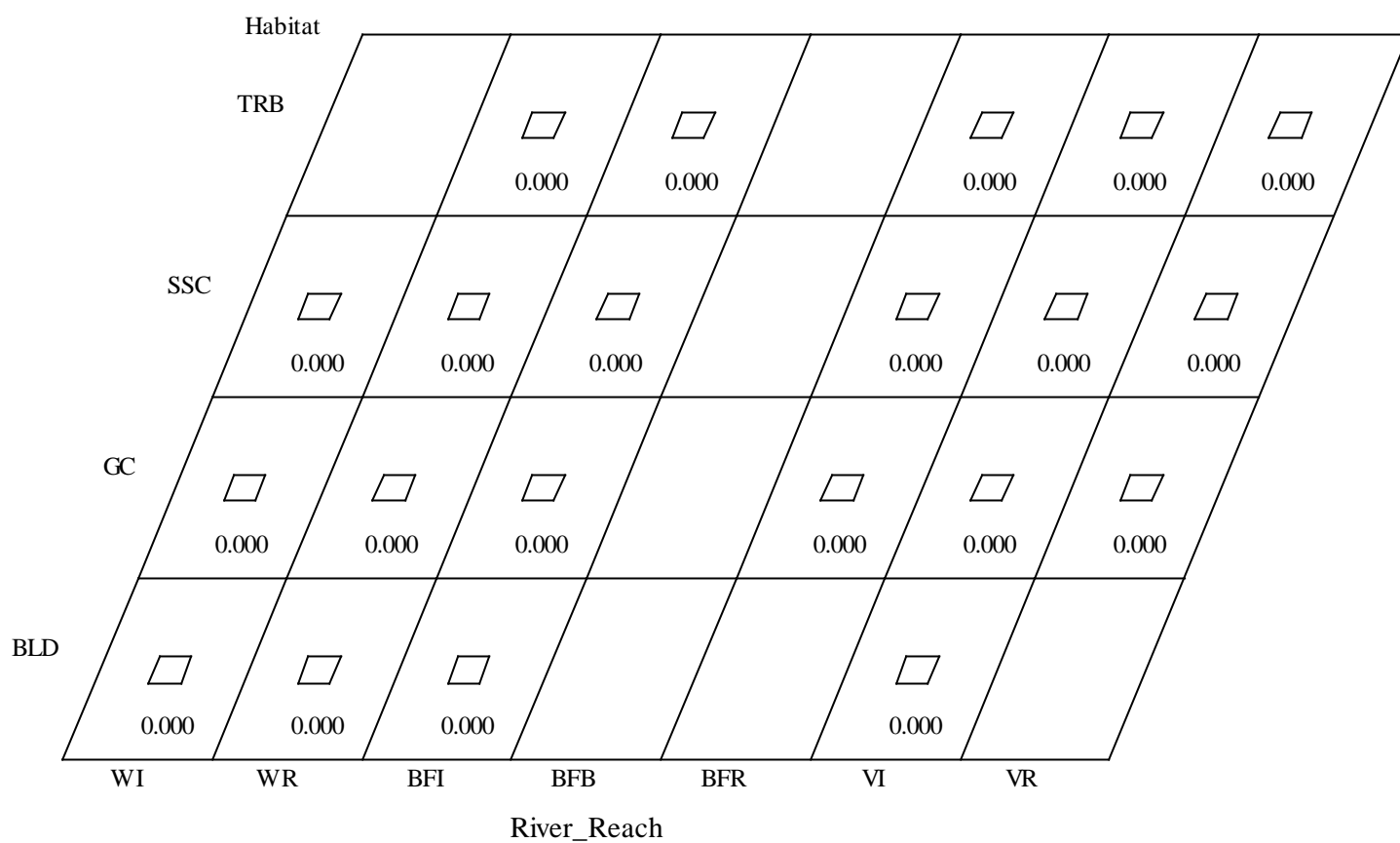




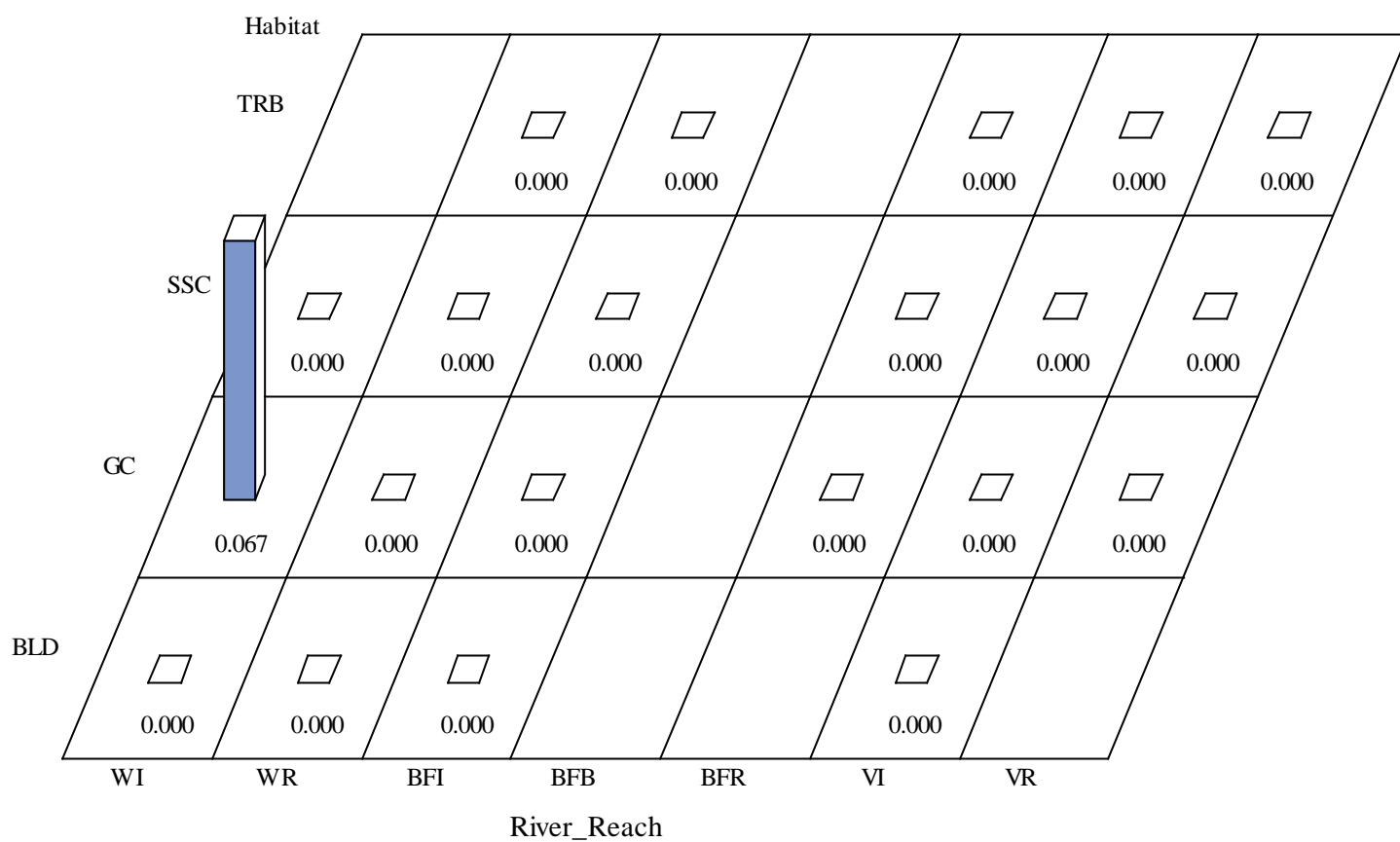
species=Chain pickerel season=Spring

species=Creek chub season=Spring

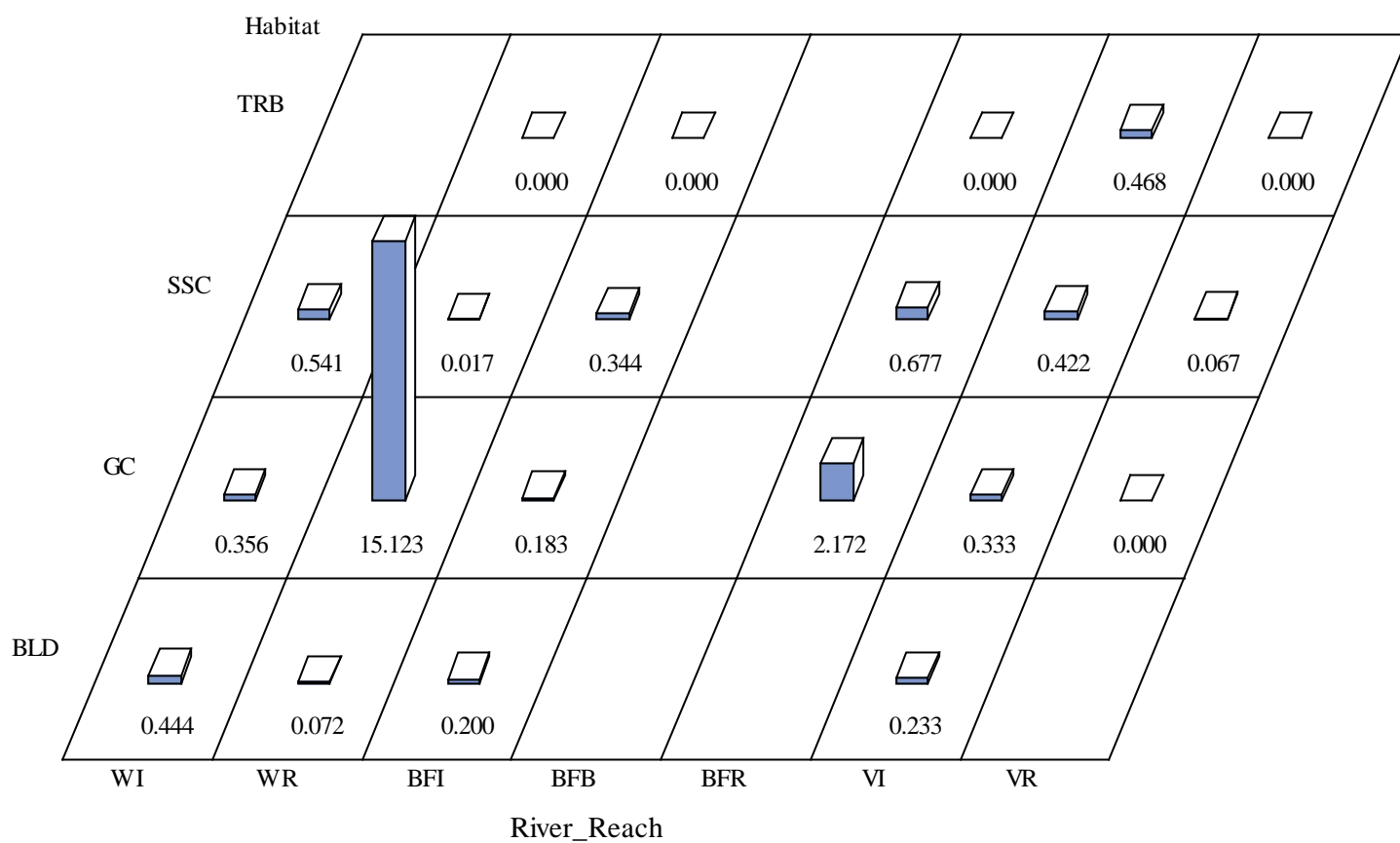


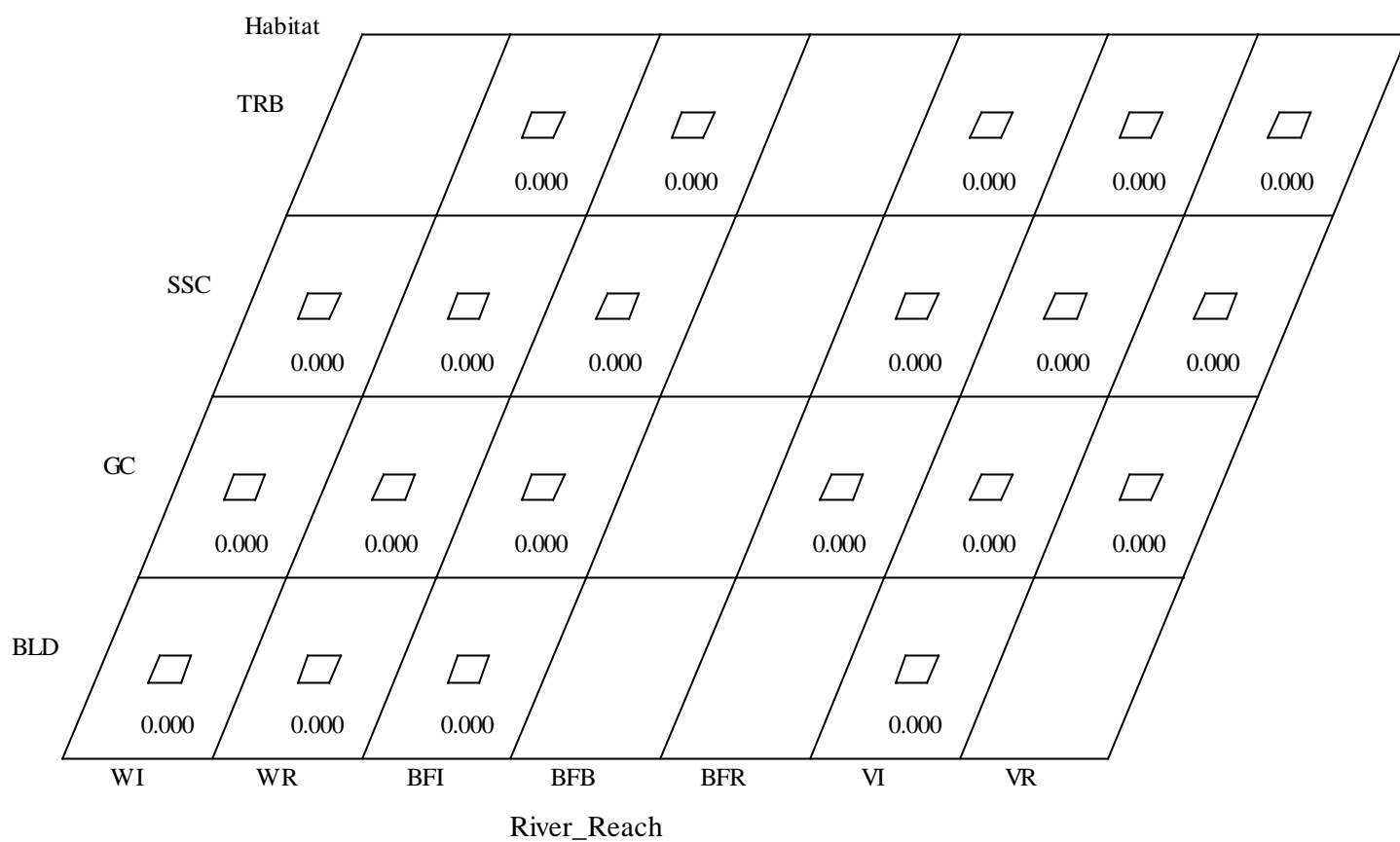


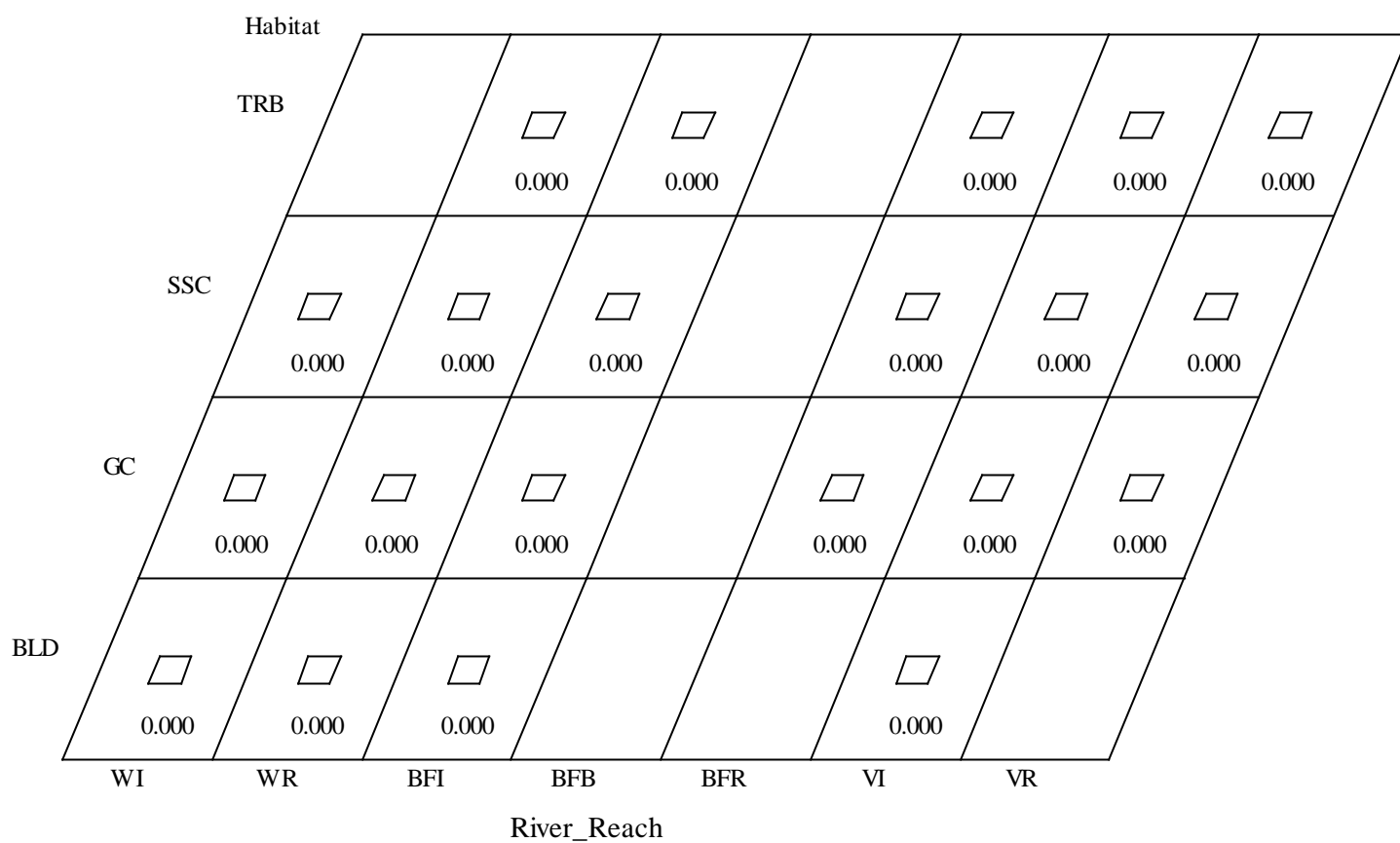
species=Eastern silvery minnow season=Spring



species=Fallfish season=Spring

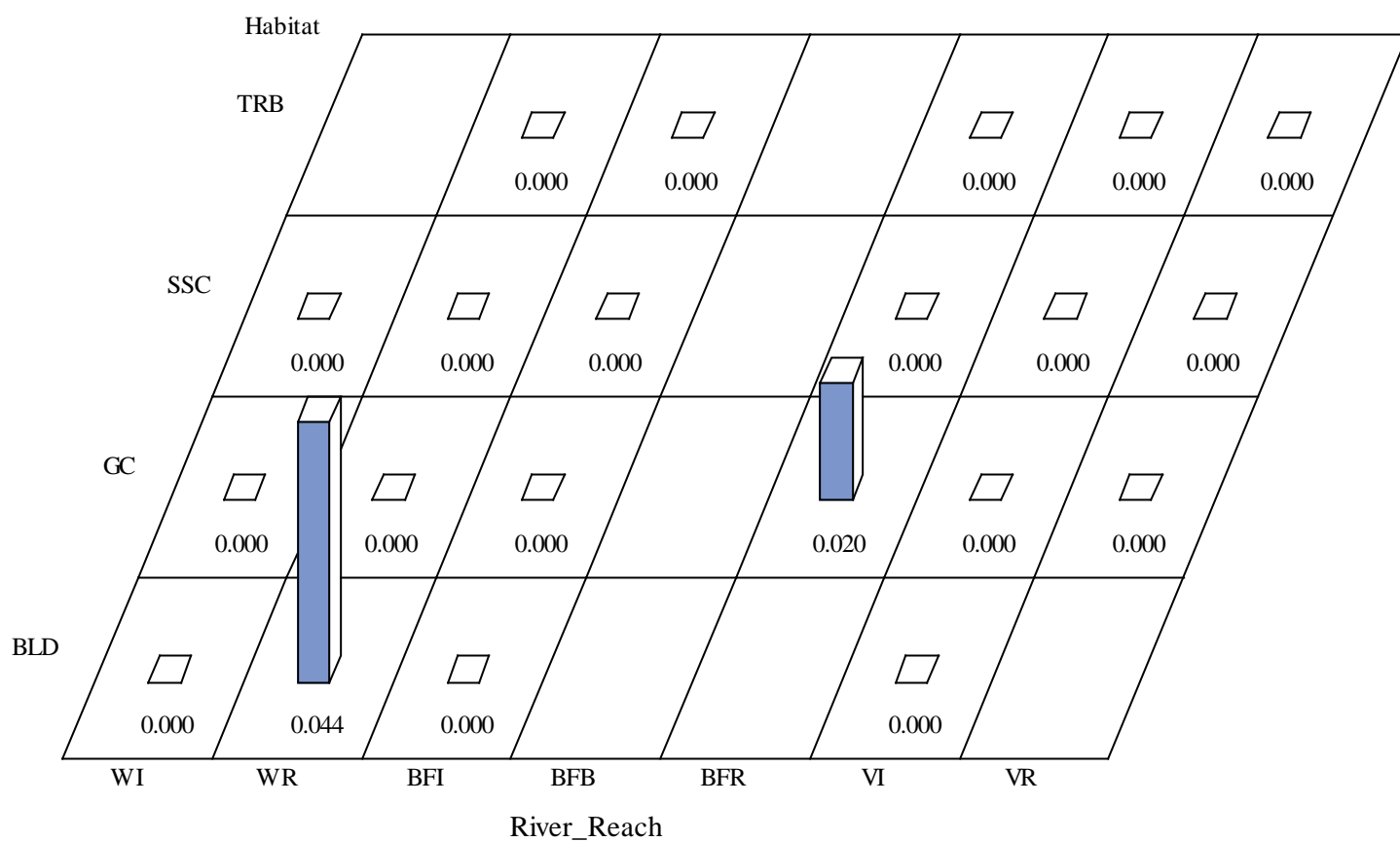


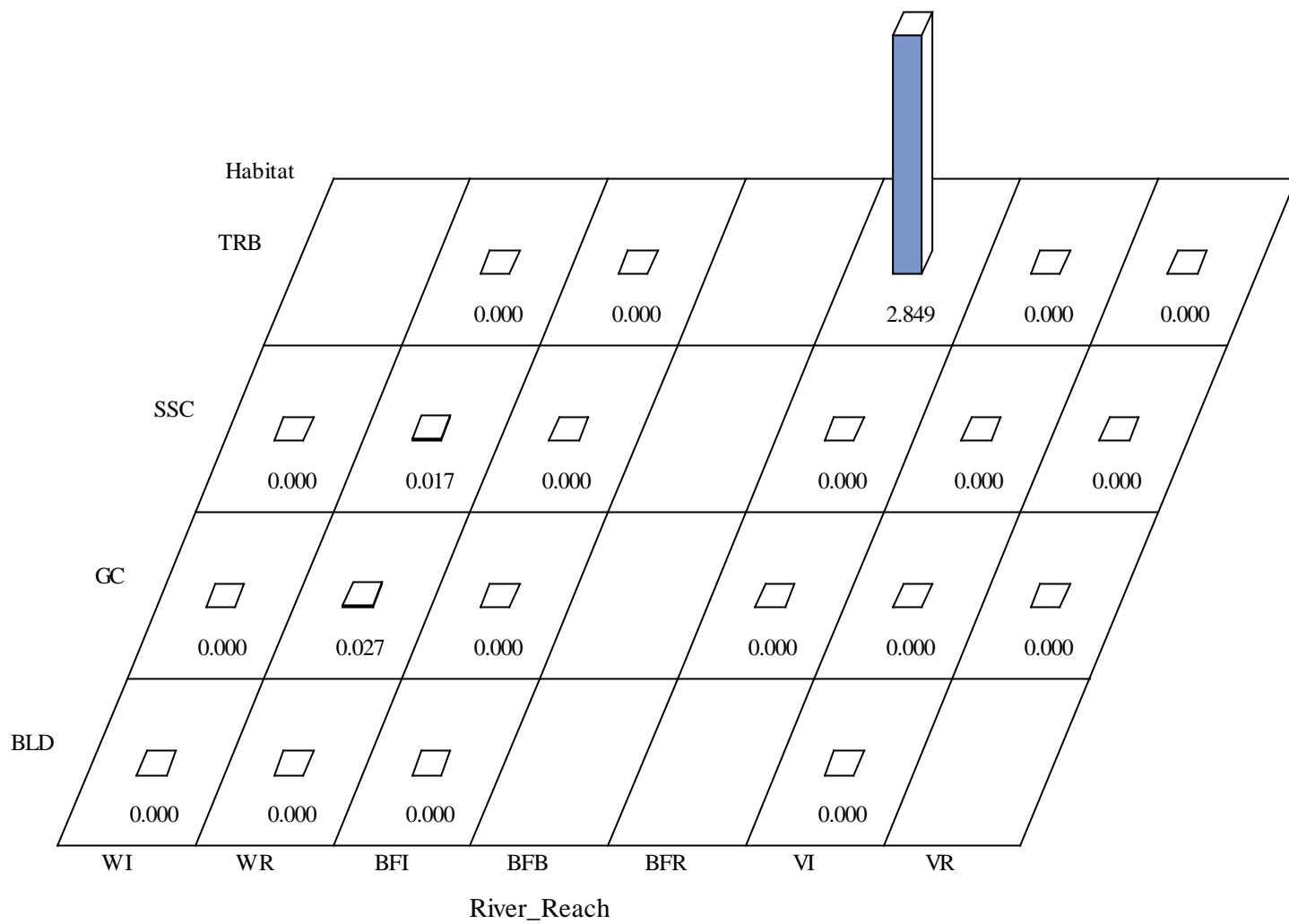


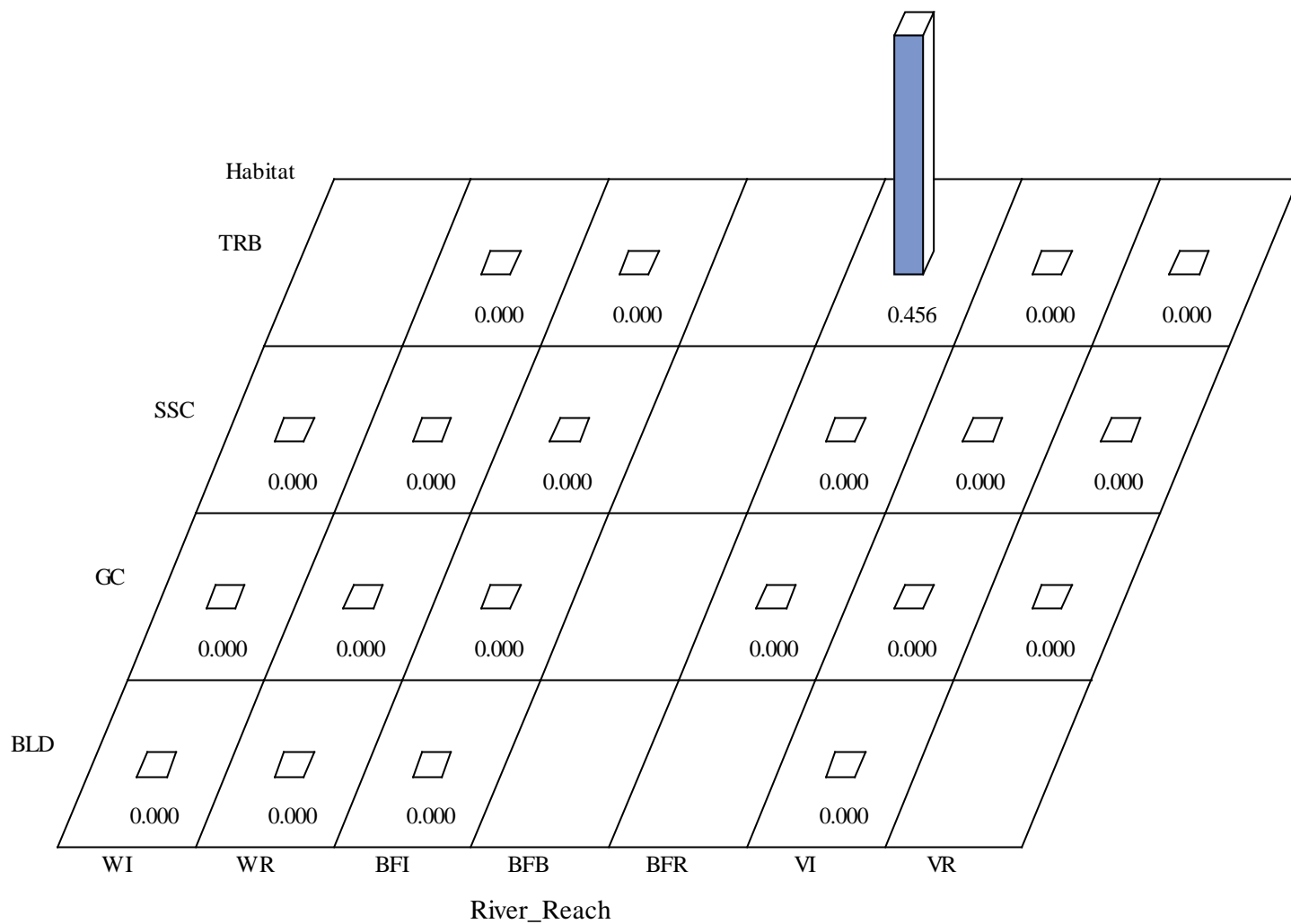


species=Golden shiner season=Spring

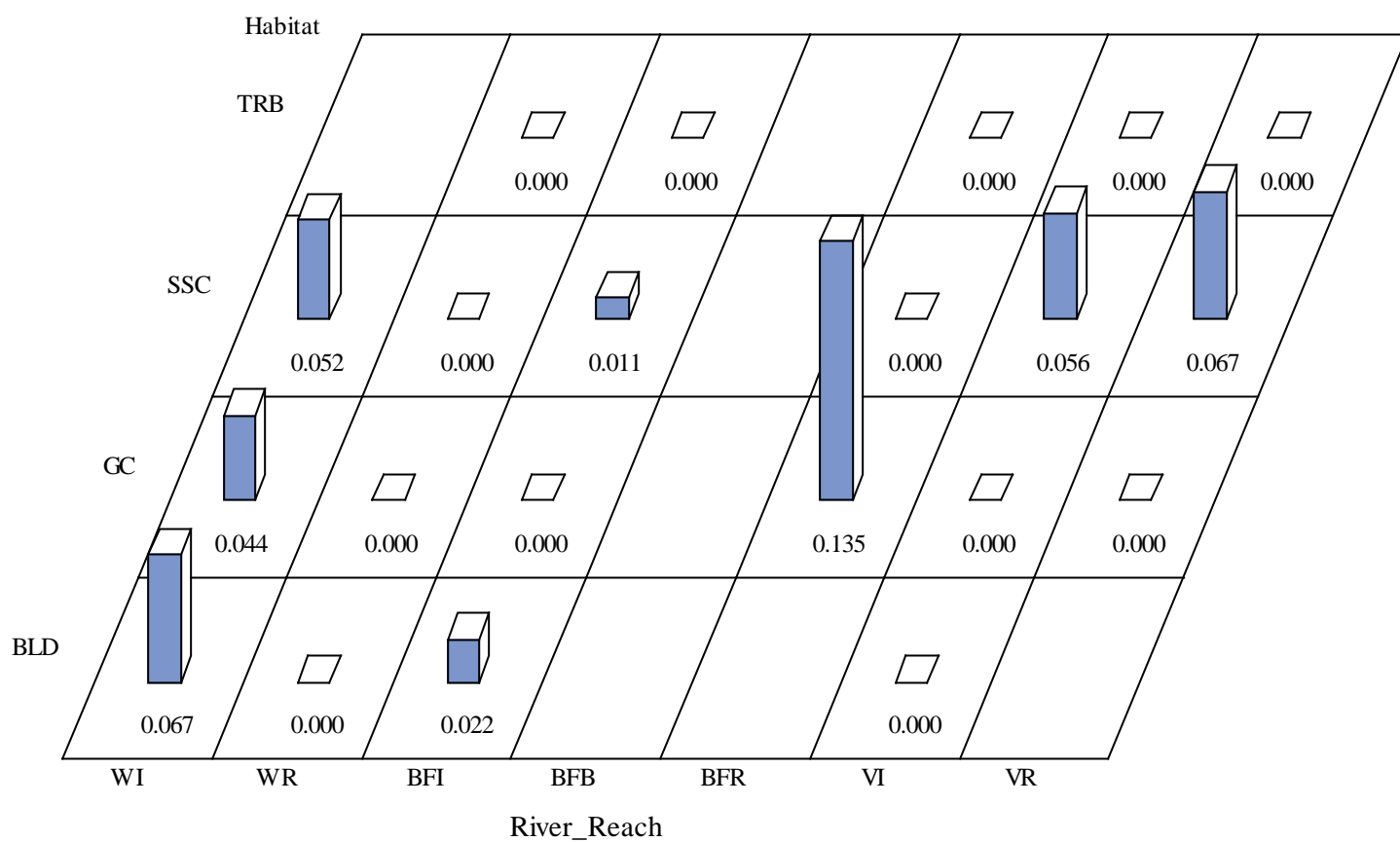
species=Lake chub season=Spring



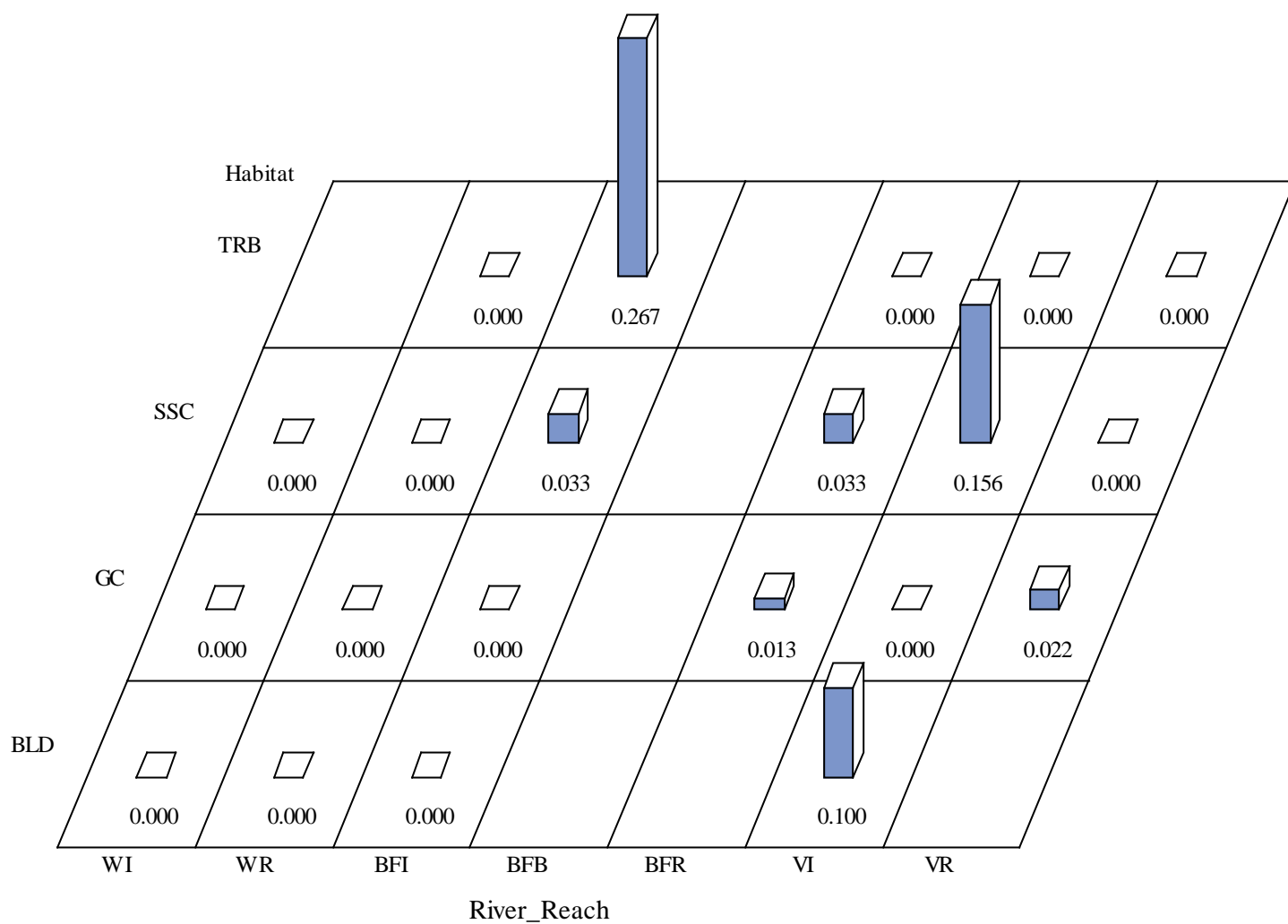




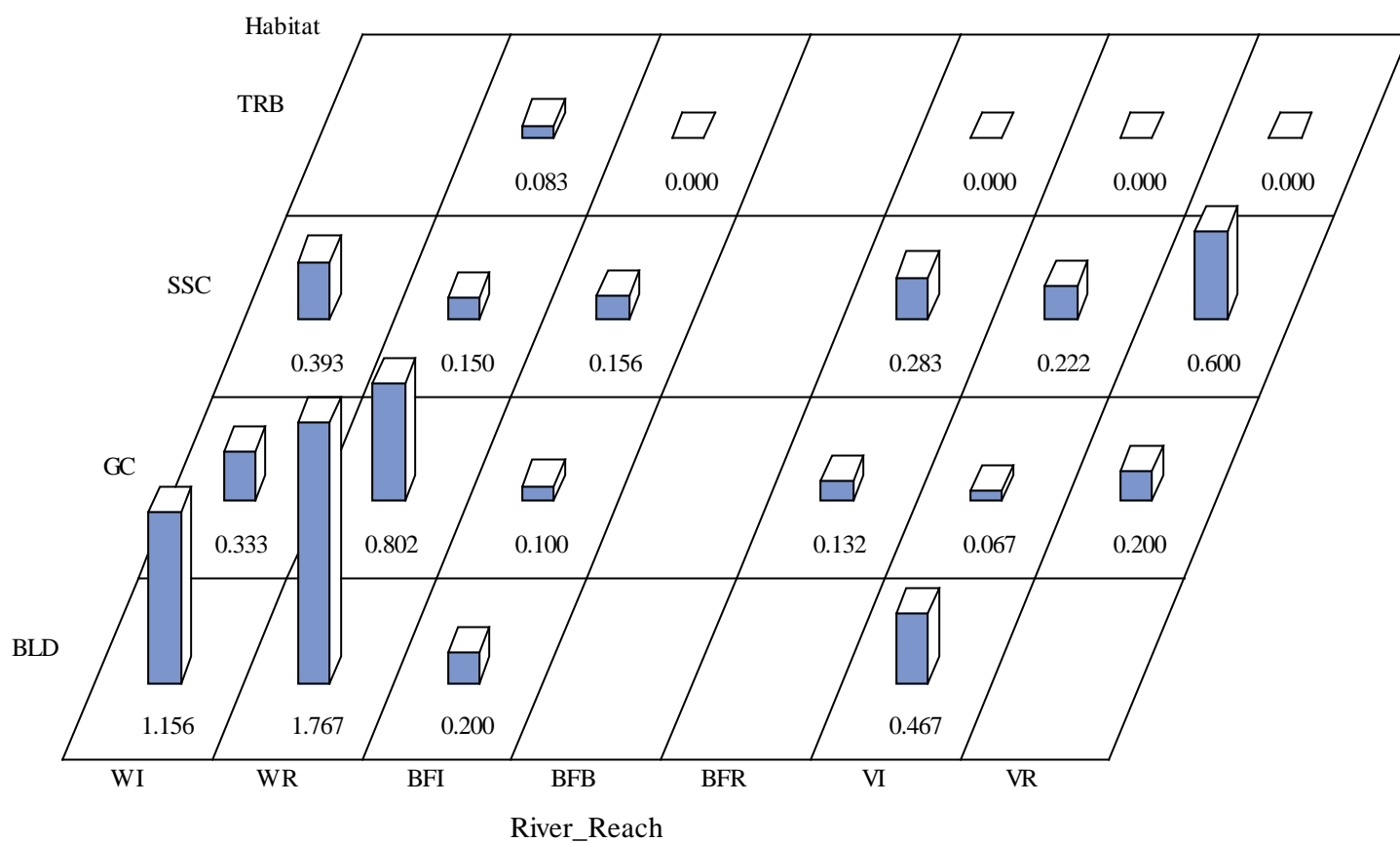
species=Northern pike season=Spring



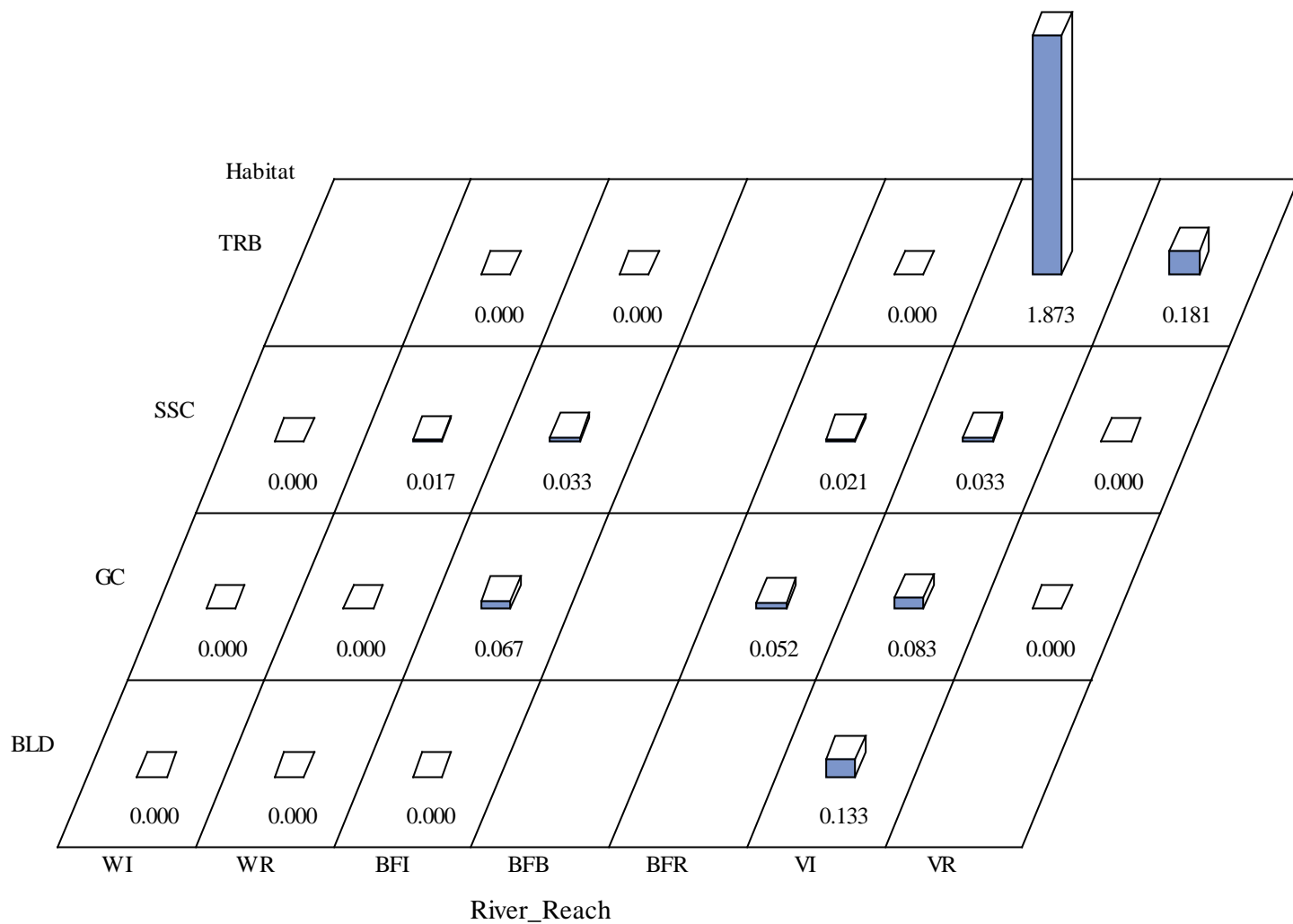
species=Pumpkinseed season=Spring



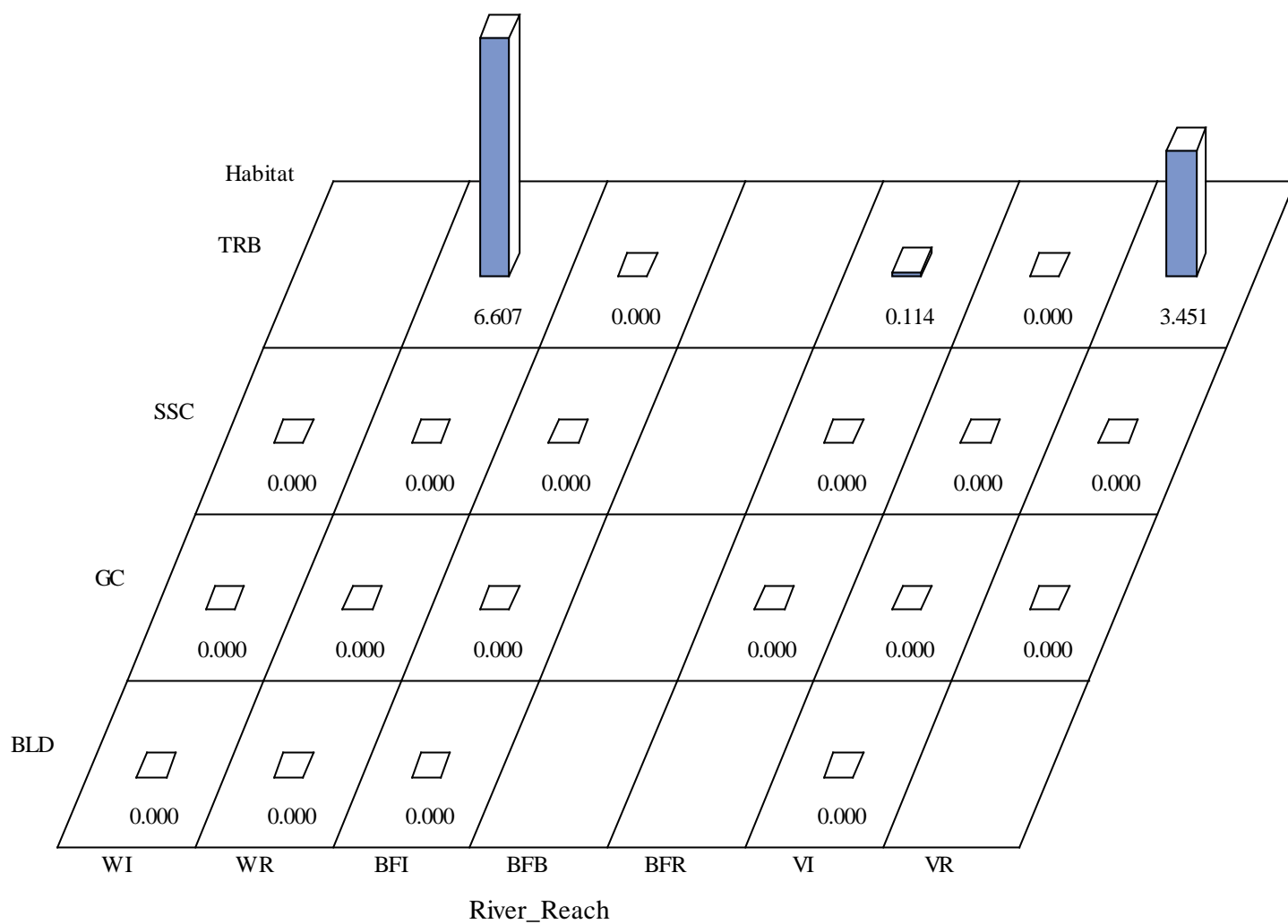
species=Rock bass season=Spring



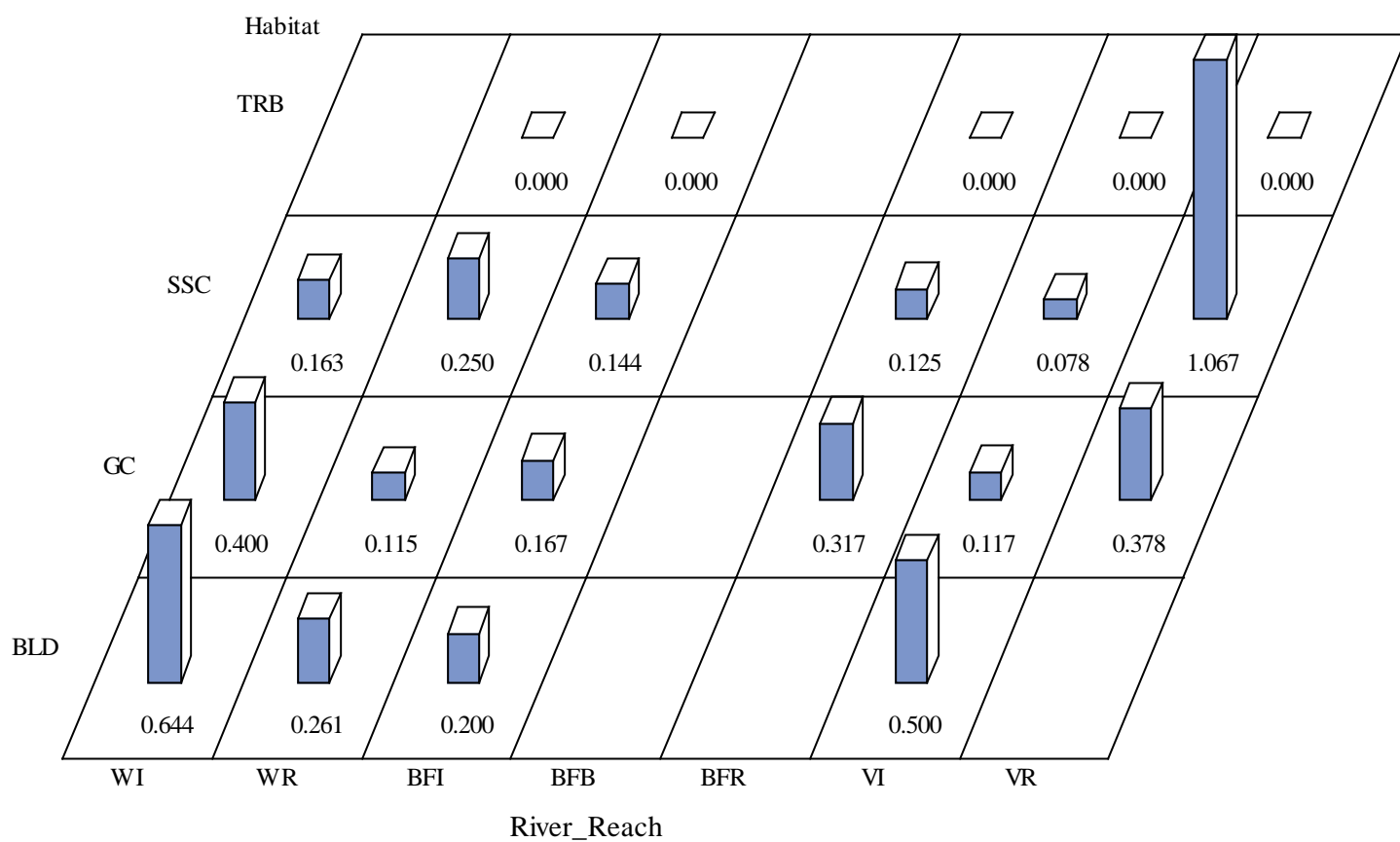
species=Sea lamprey season=Spring



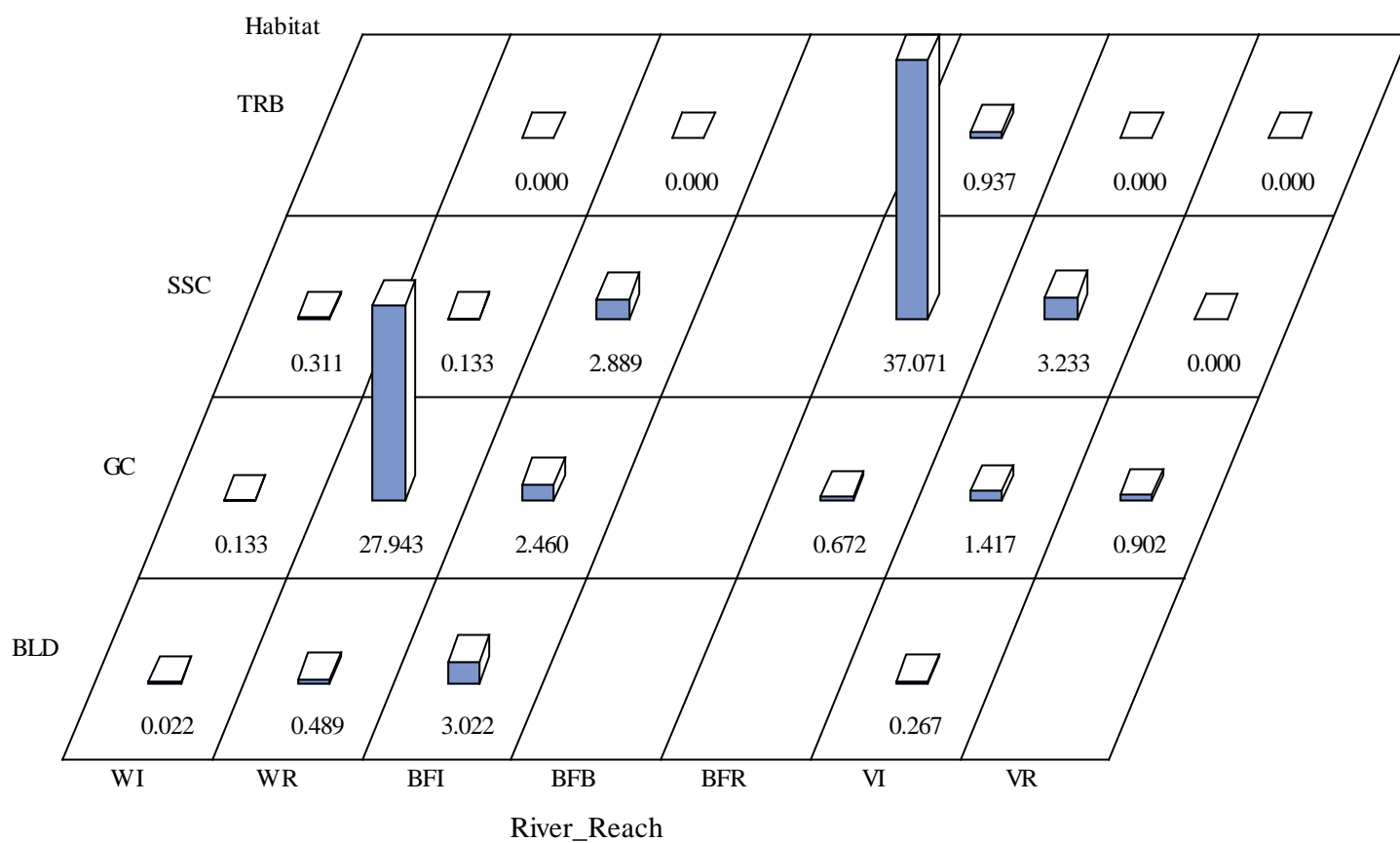
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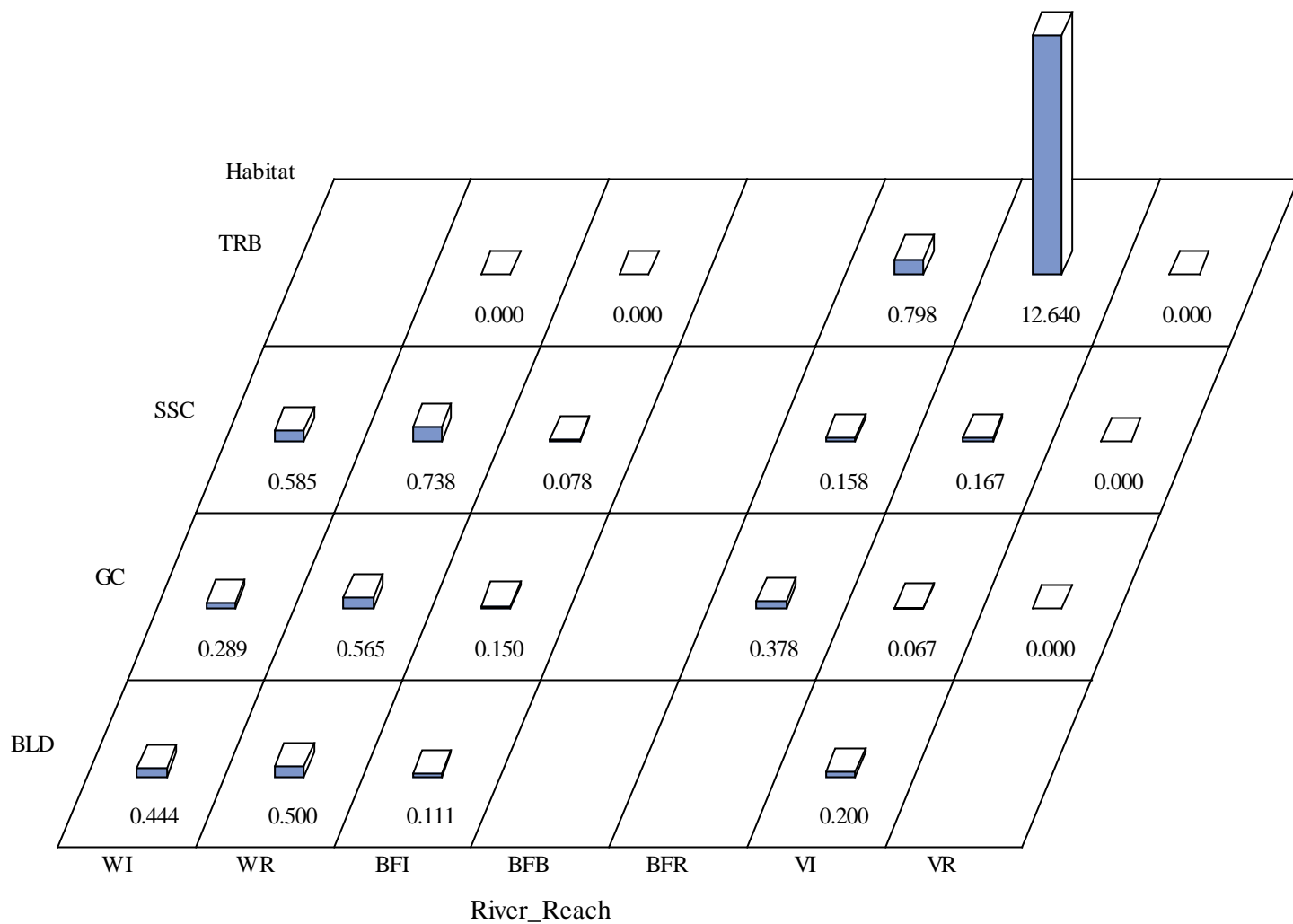
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species=Spottail shiner season=Spring



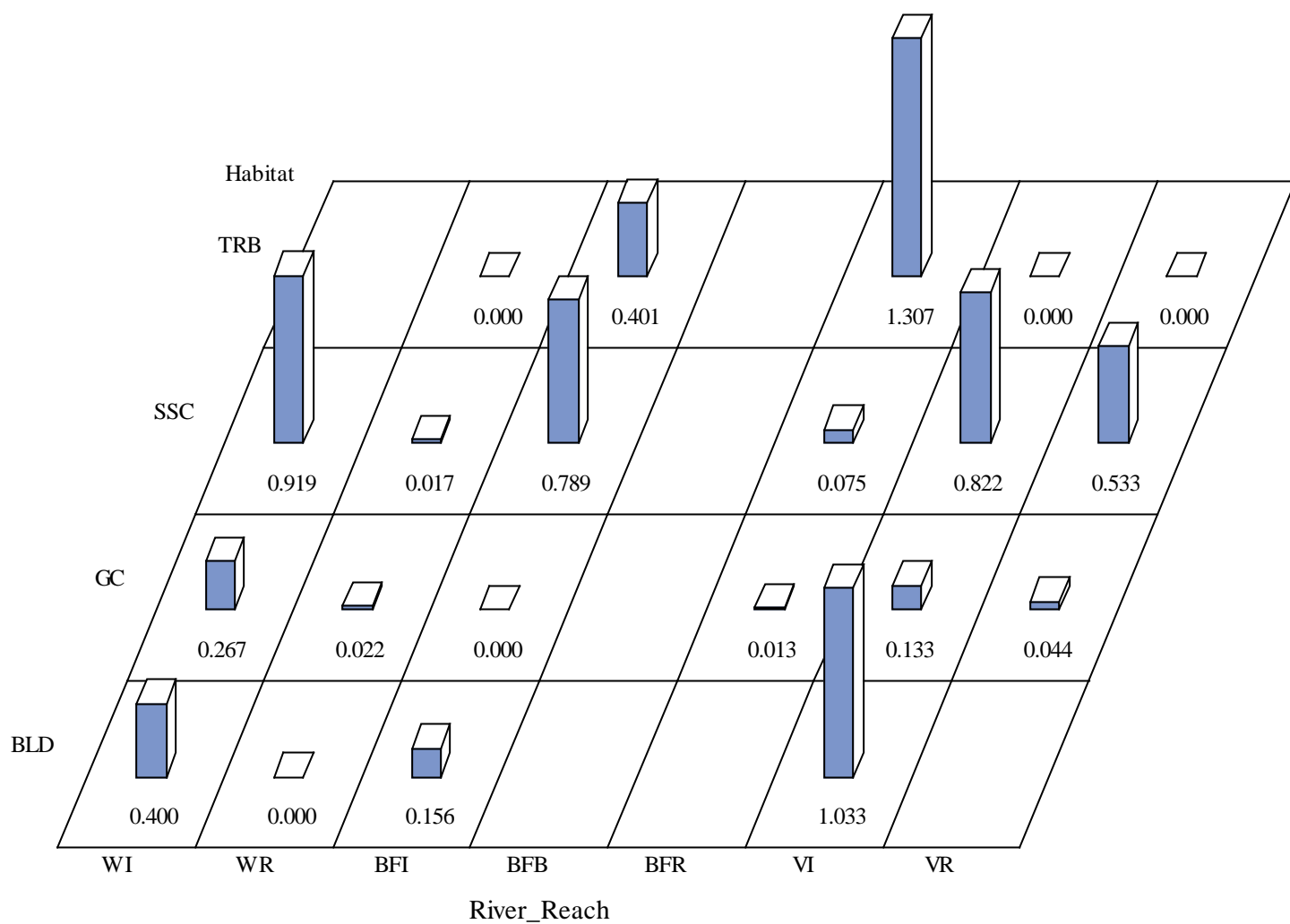
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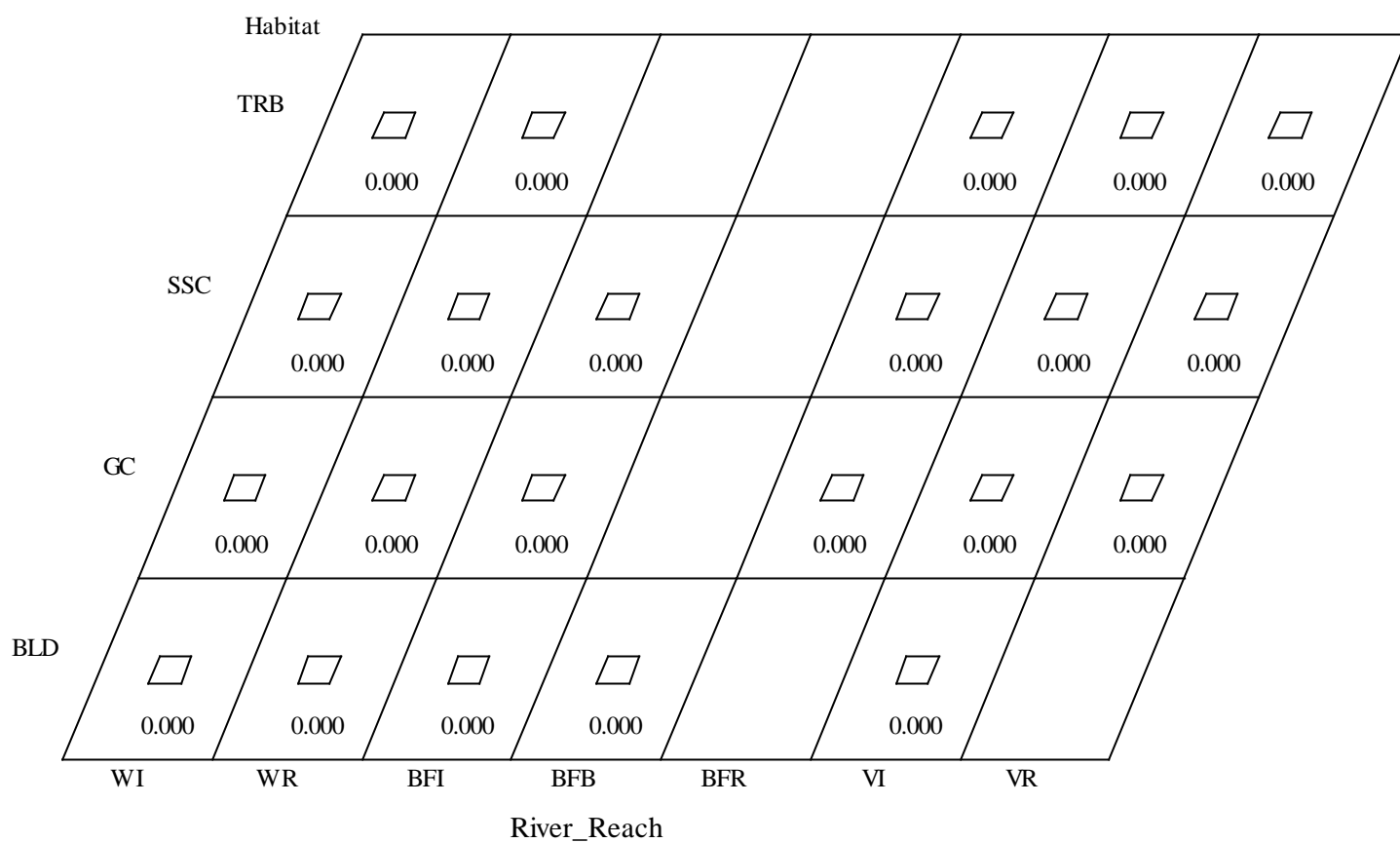
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species=Walleye season=Spring
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species=White sucker season=Spring

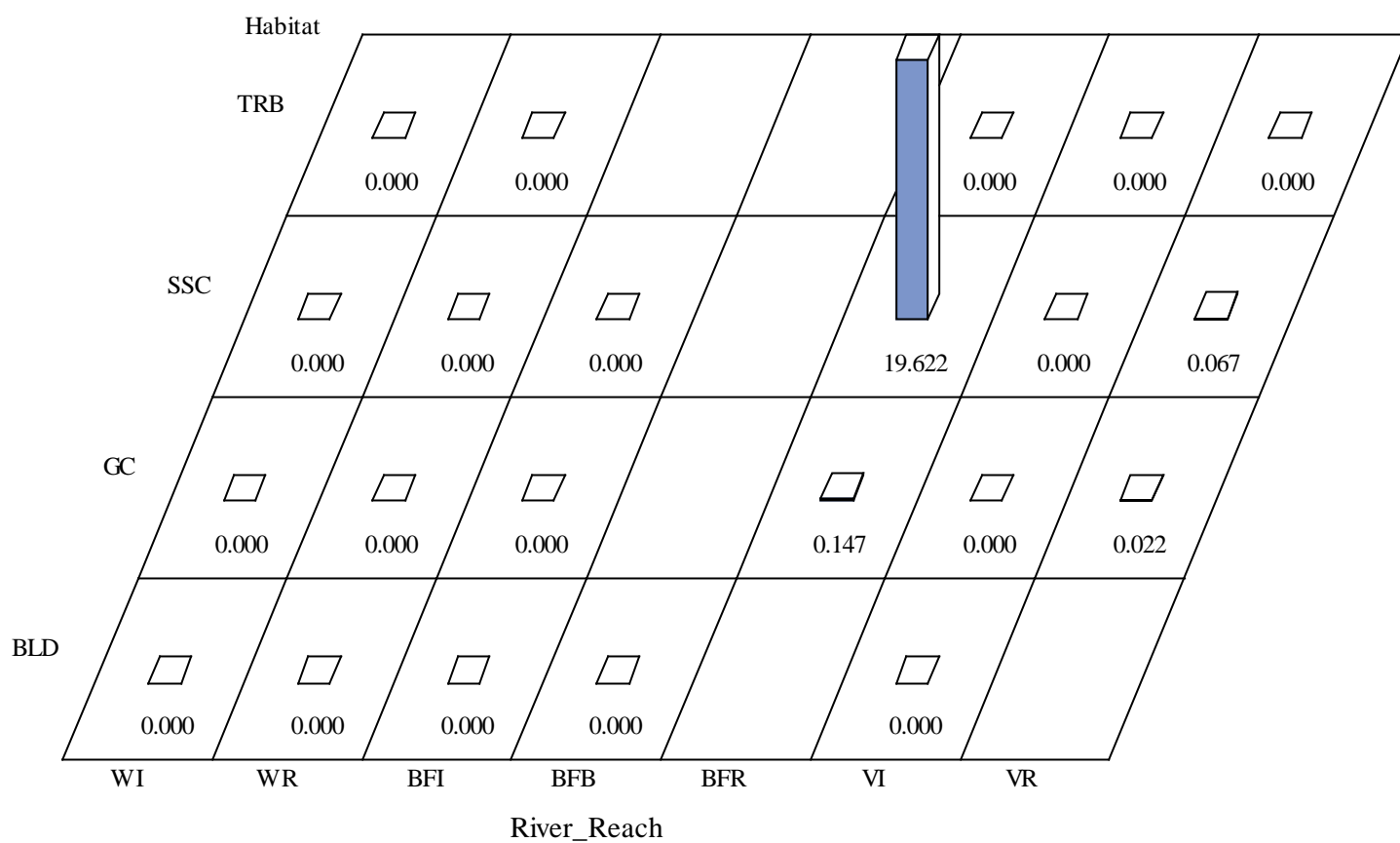
species=Yellow perch season=Spring



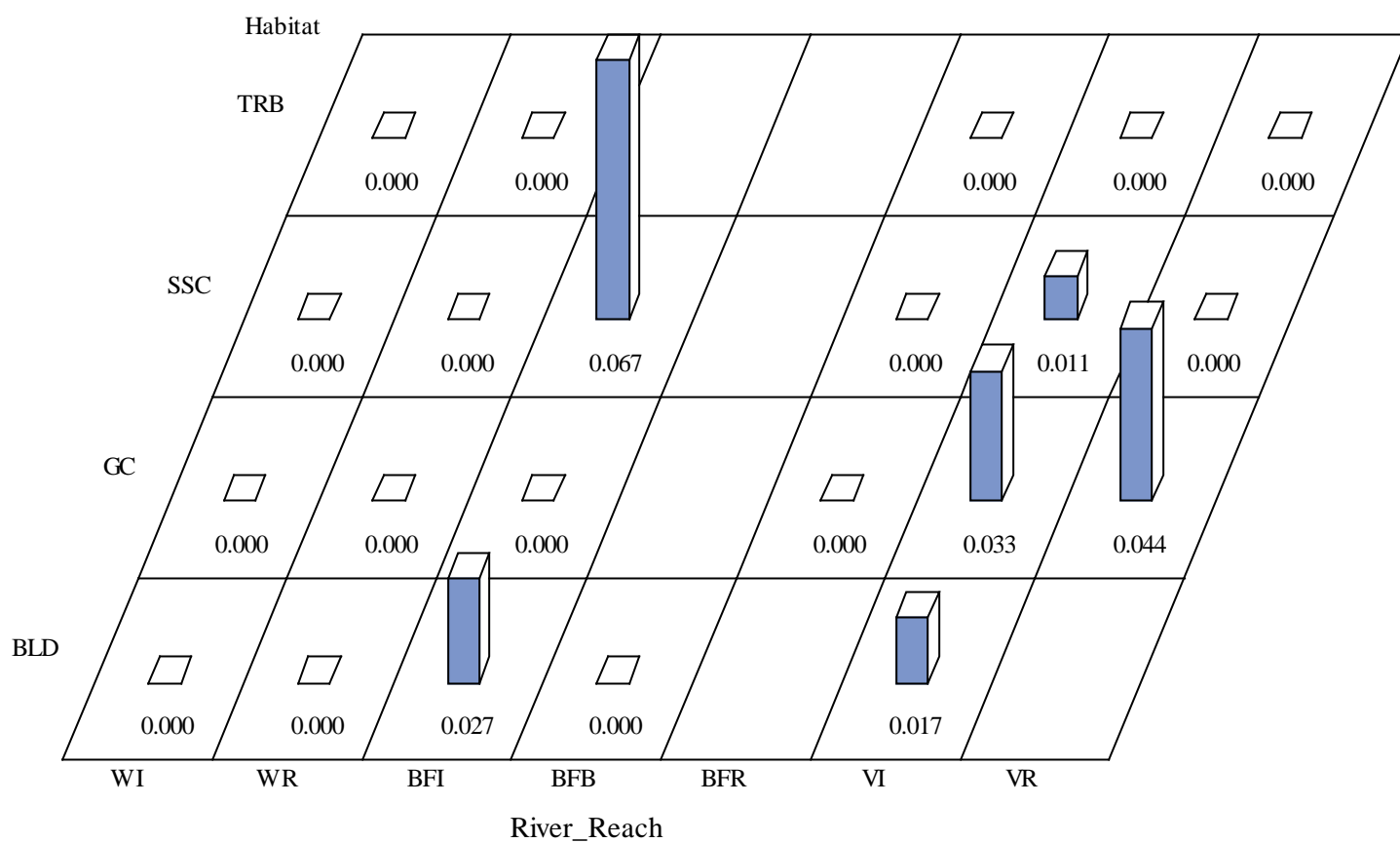
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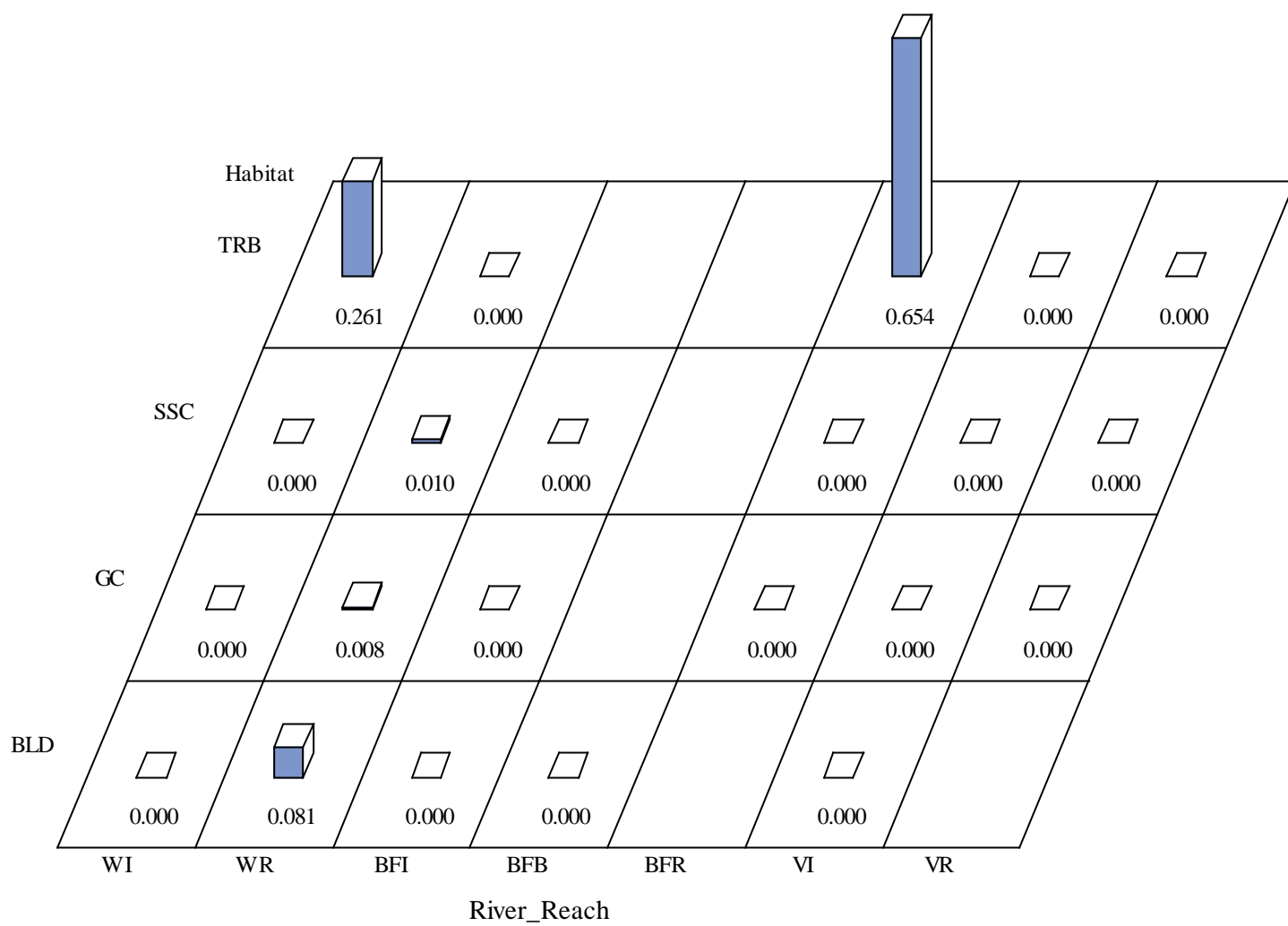


species=American shad season=Summer

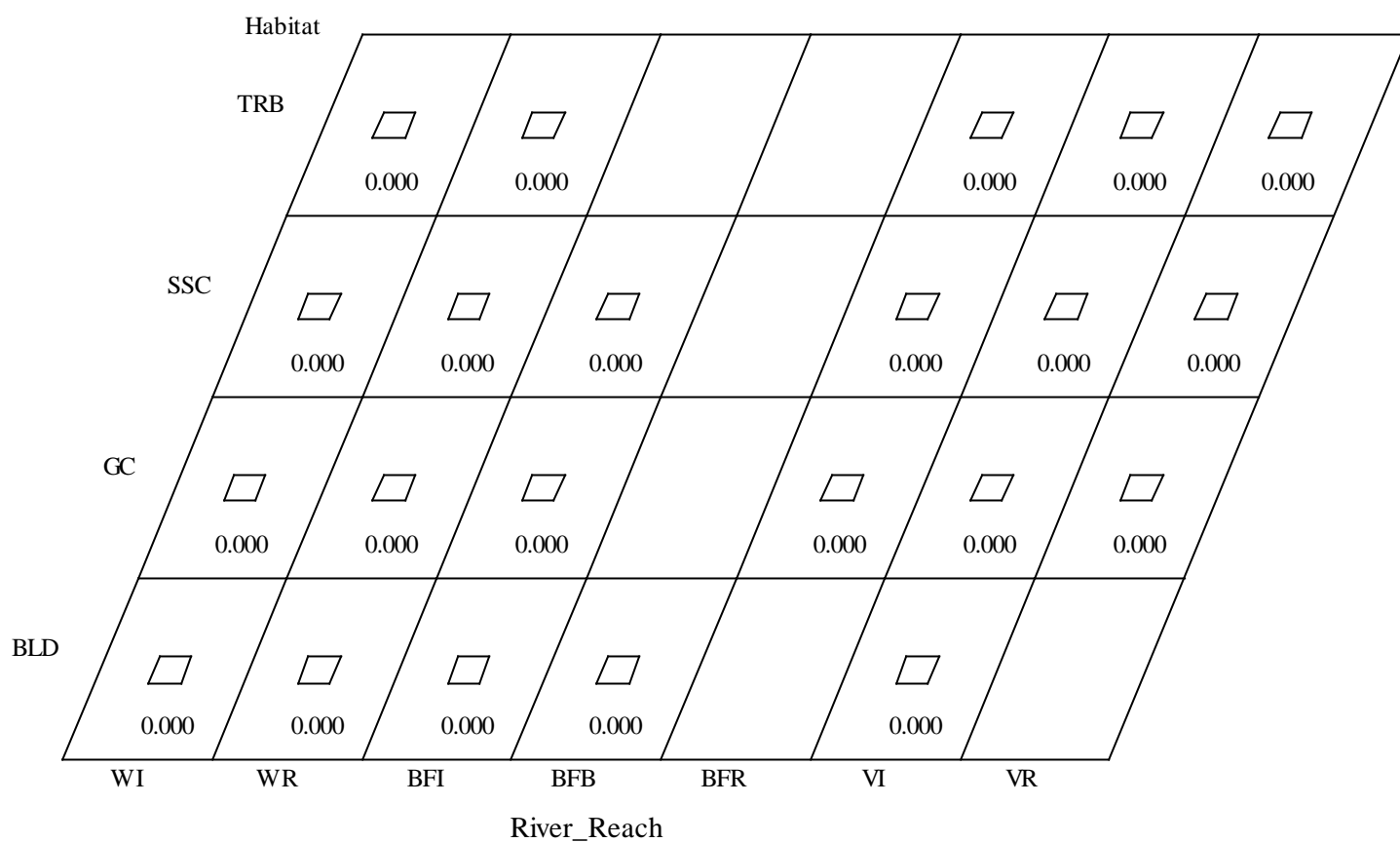


species=Black crappie season=Summer

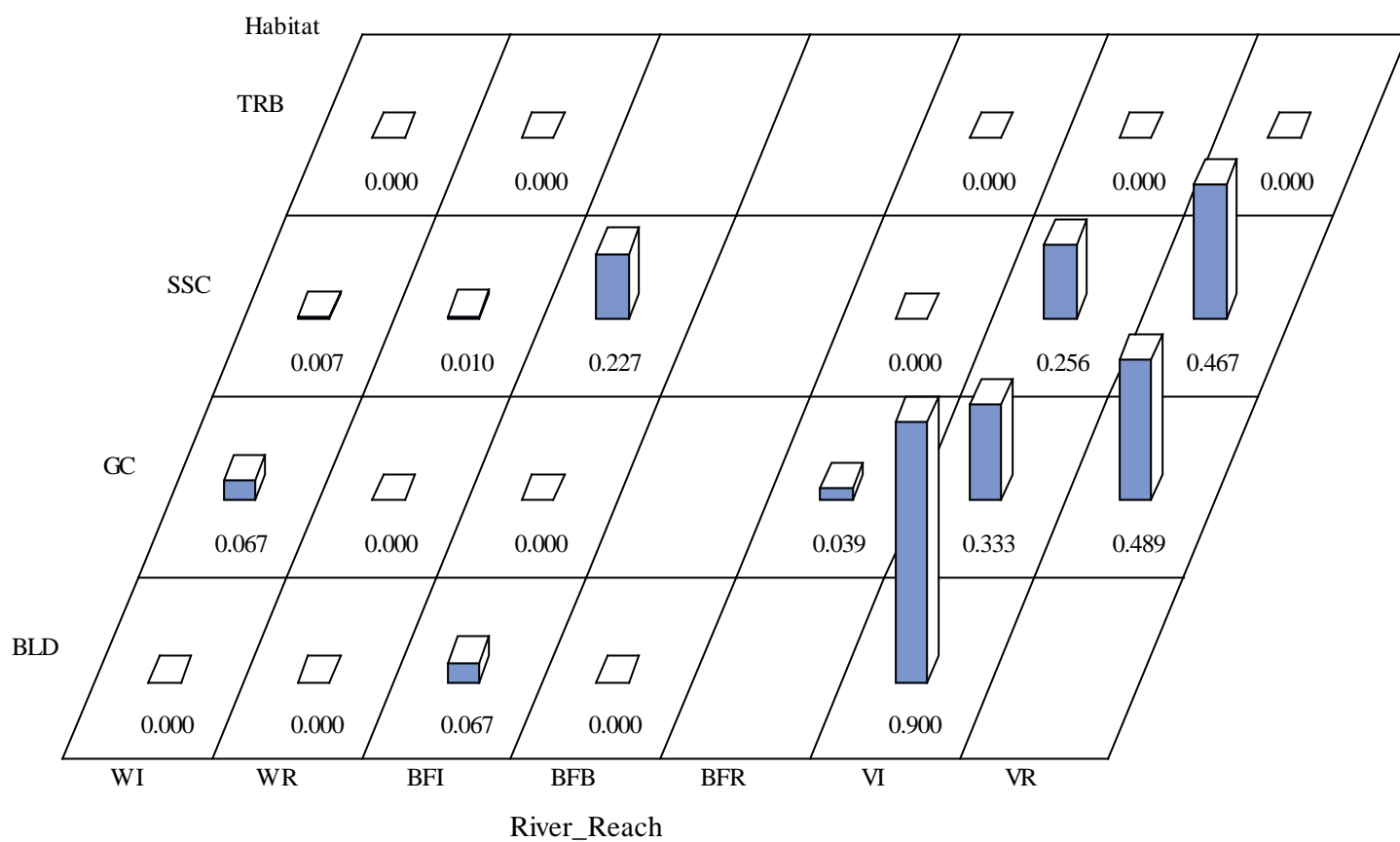




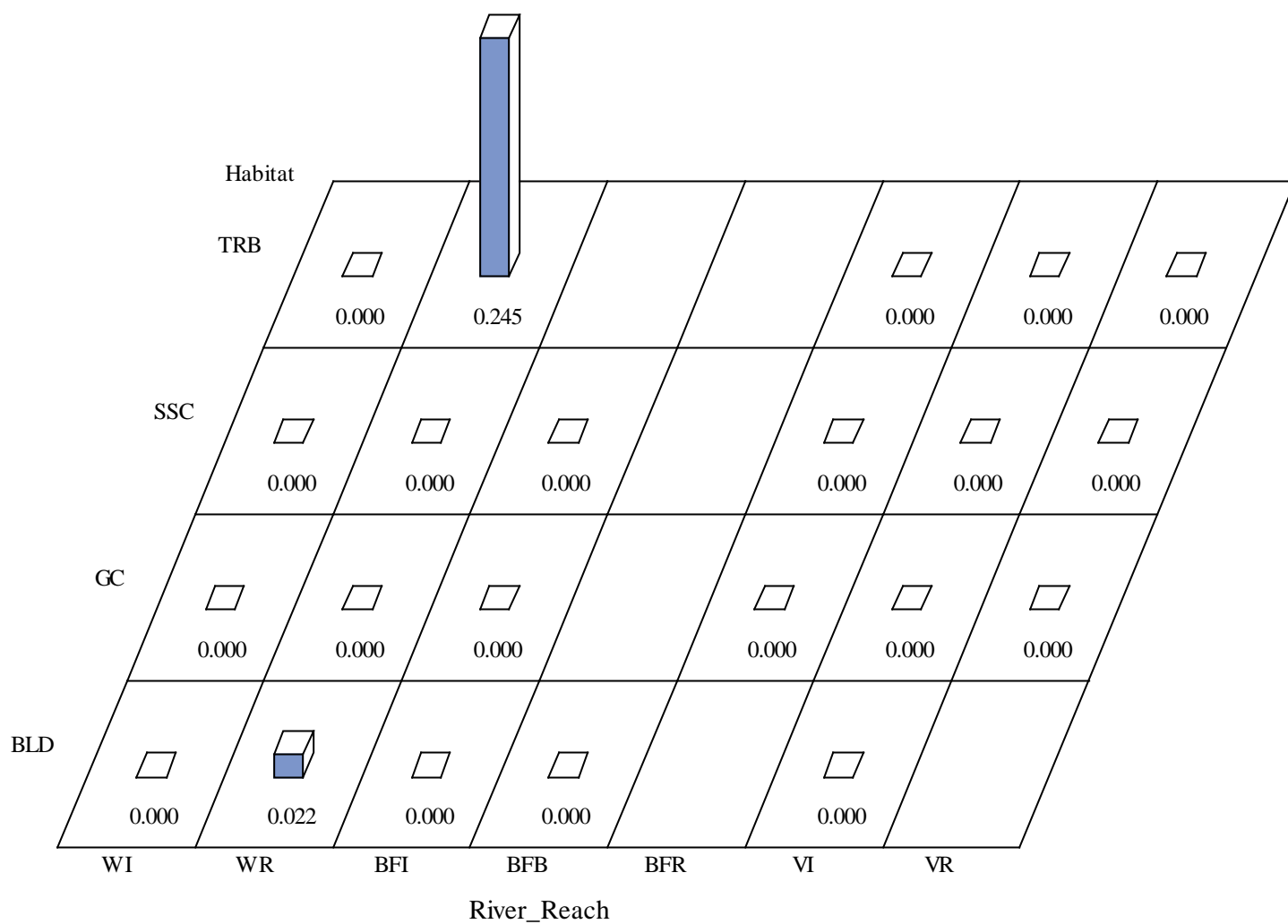
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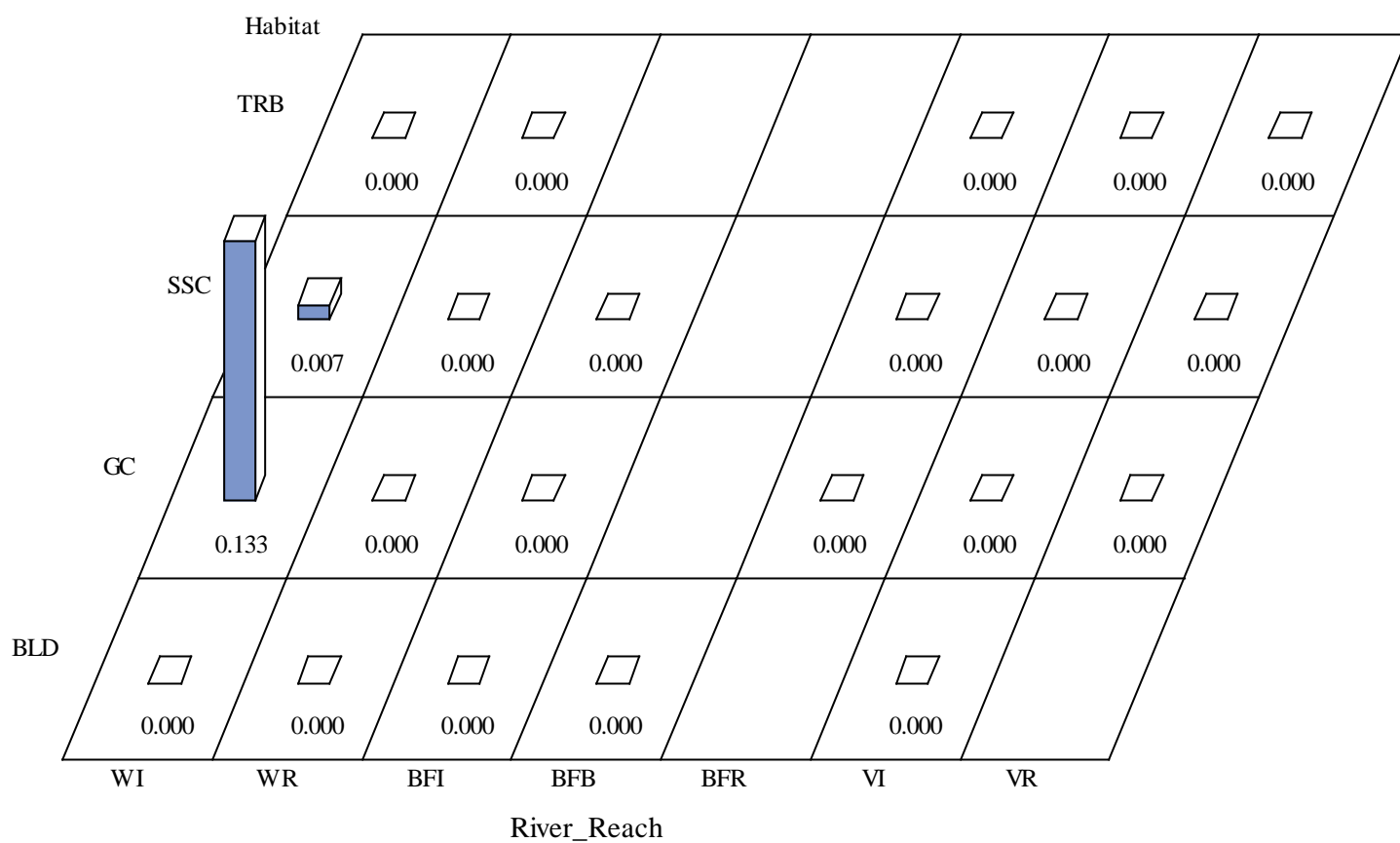


species=Bluegill season=Summer

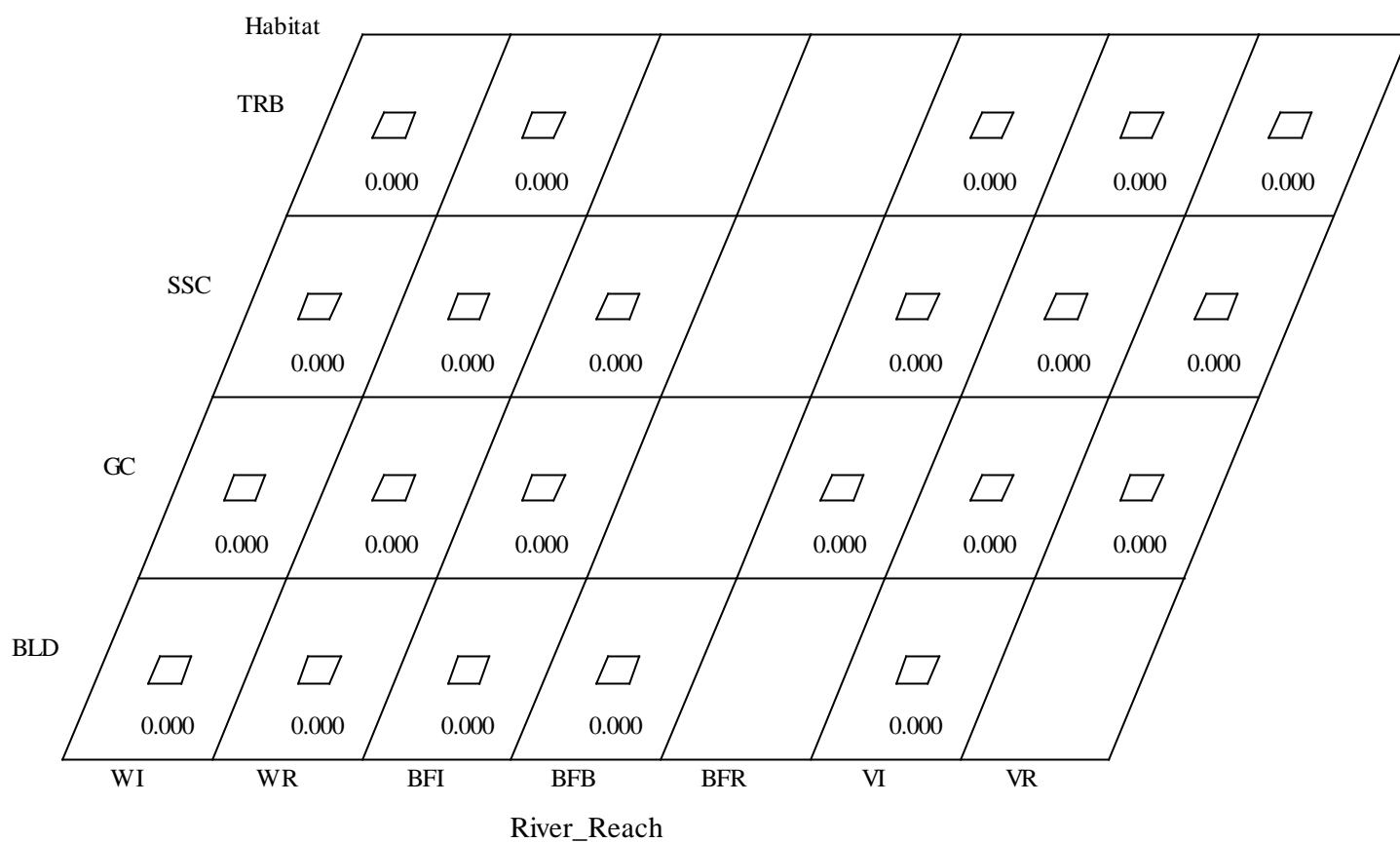


species=Bluntnose minnow season=Summer

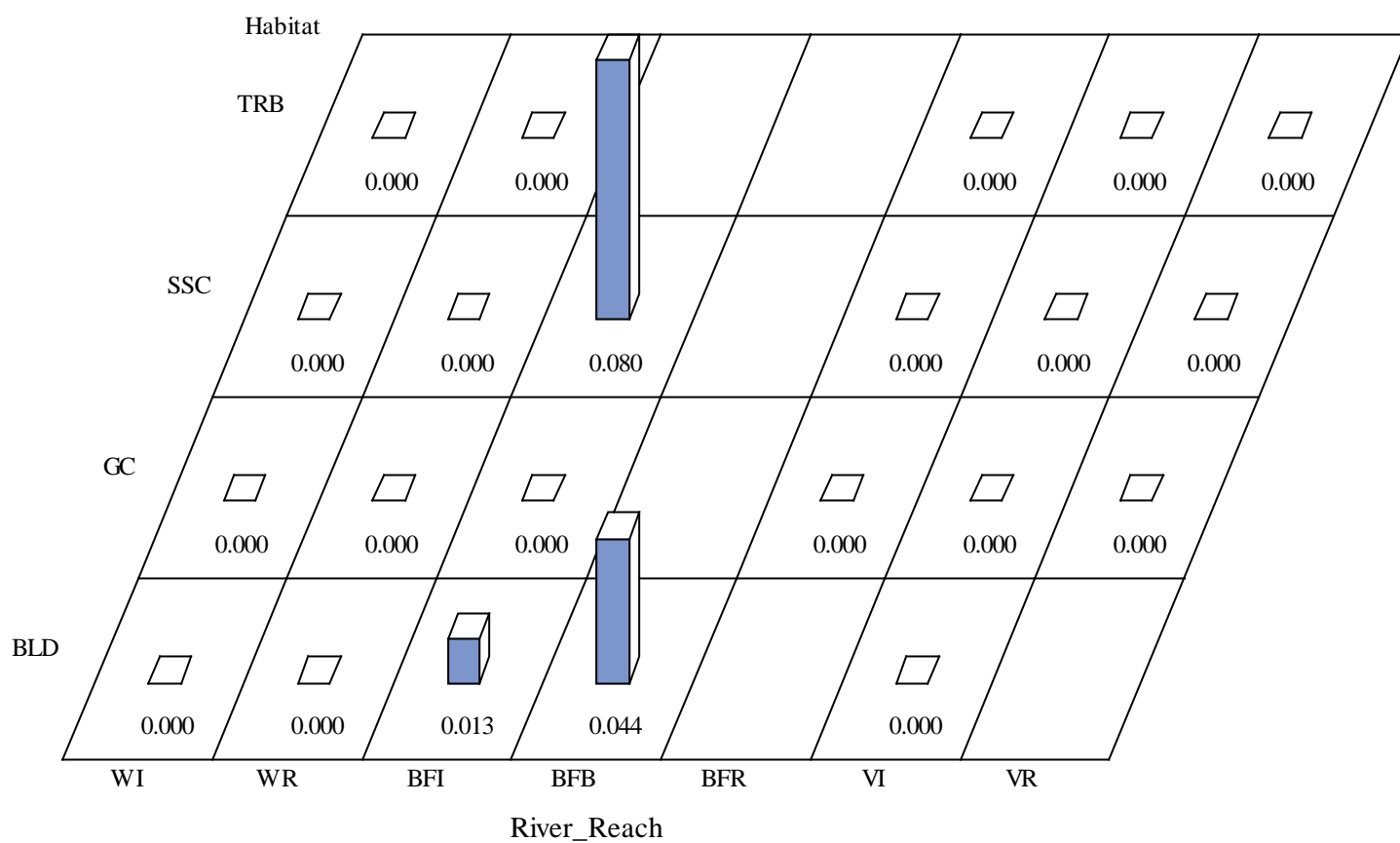




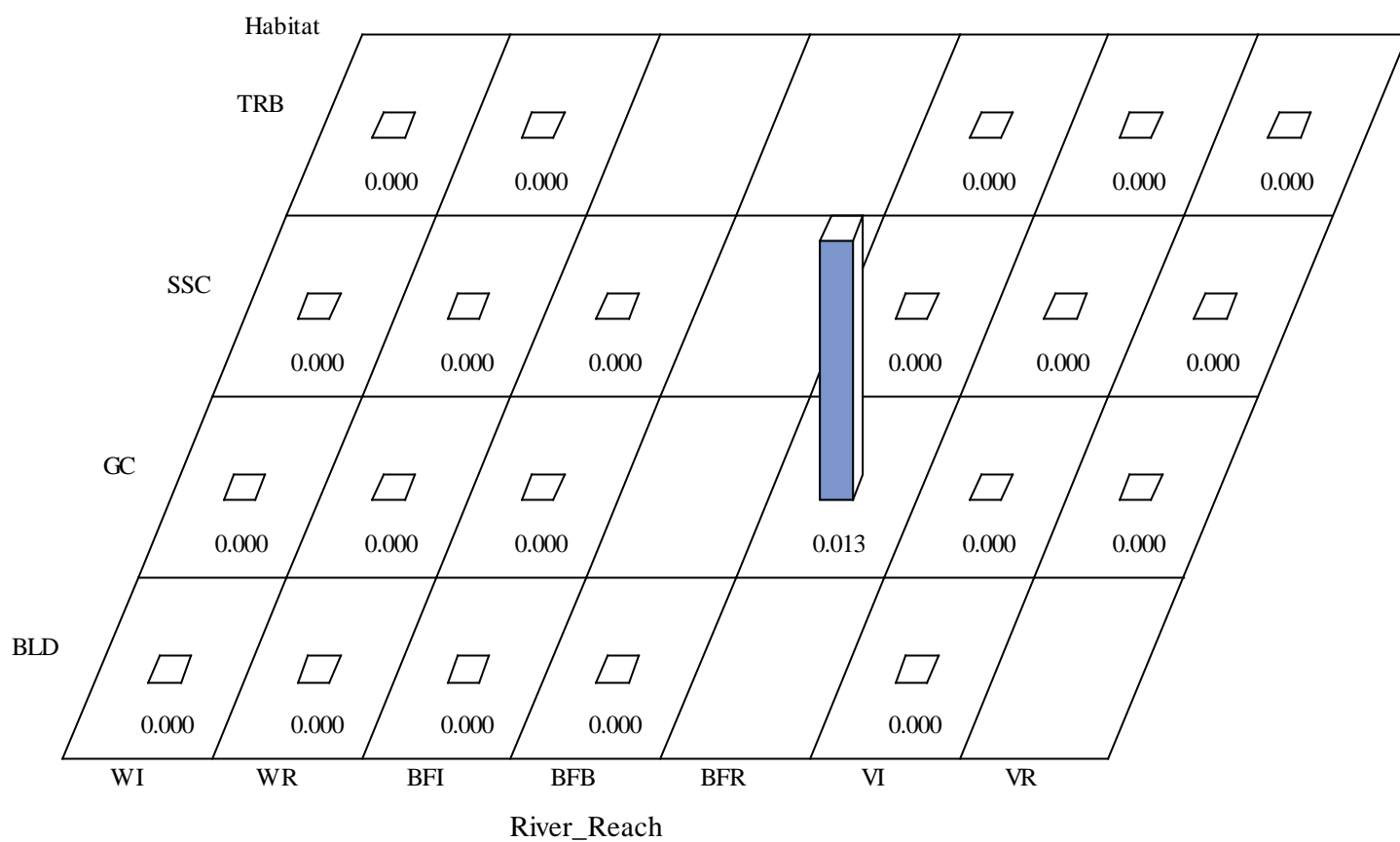
species=Brook trout season=Summer



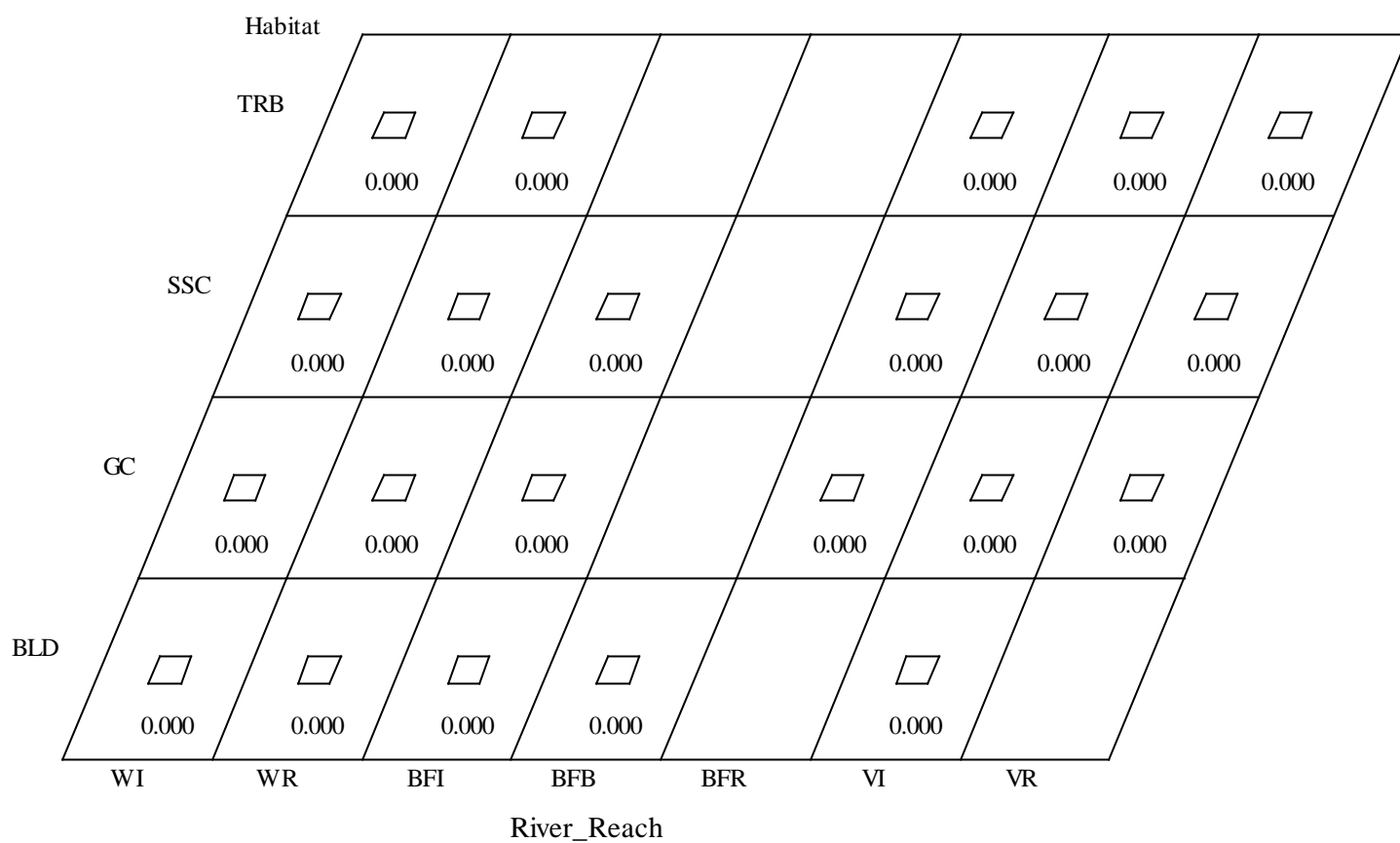
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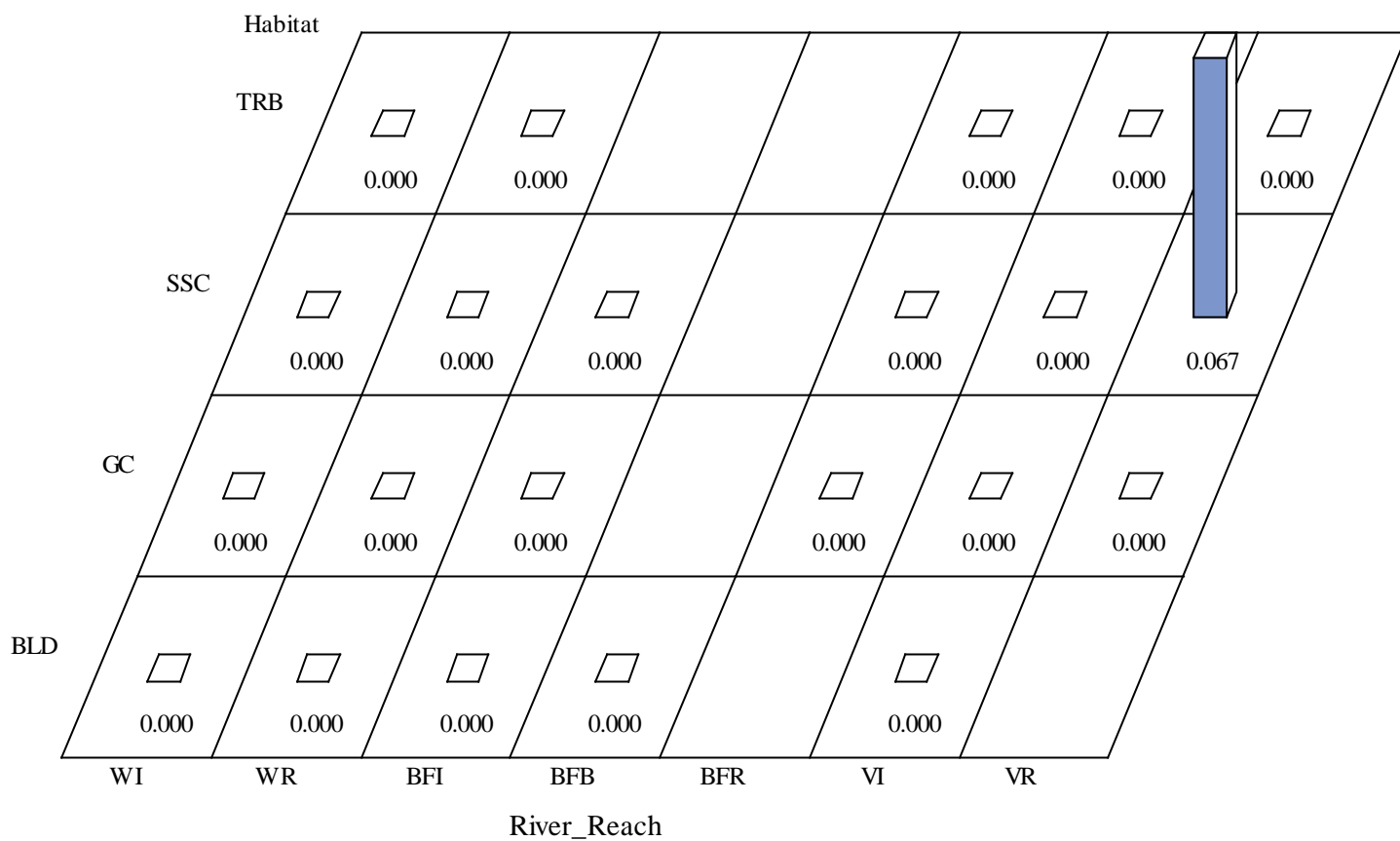
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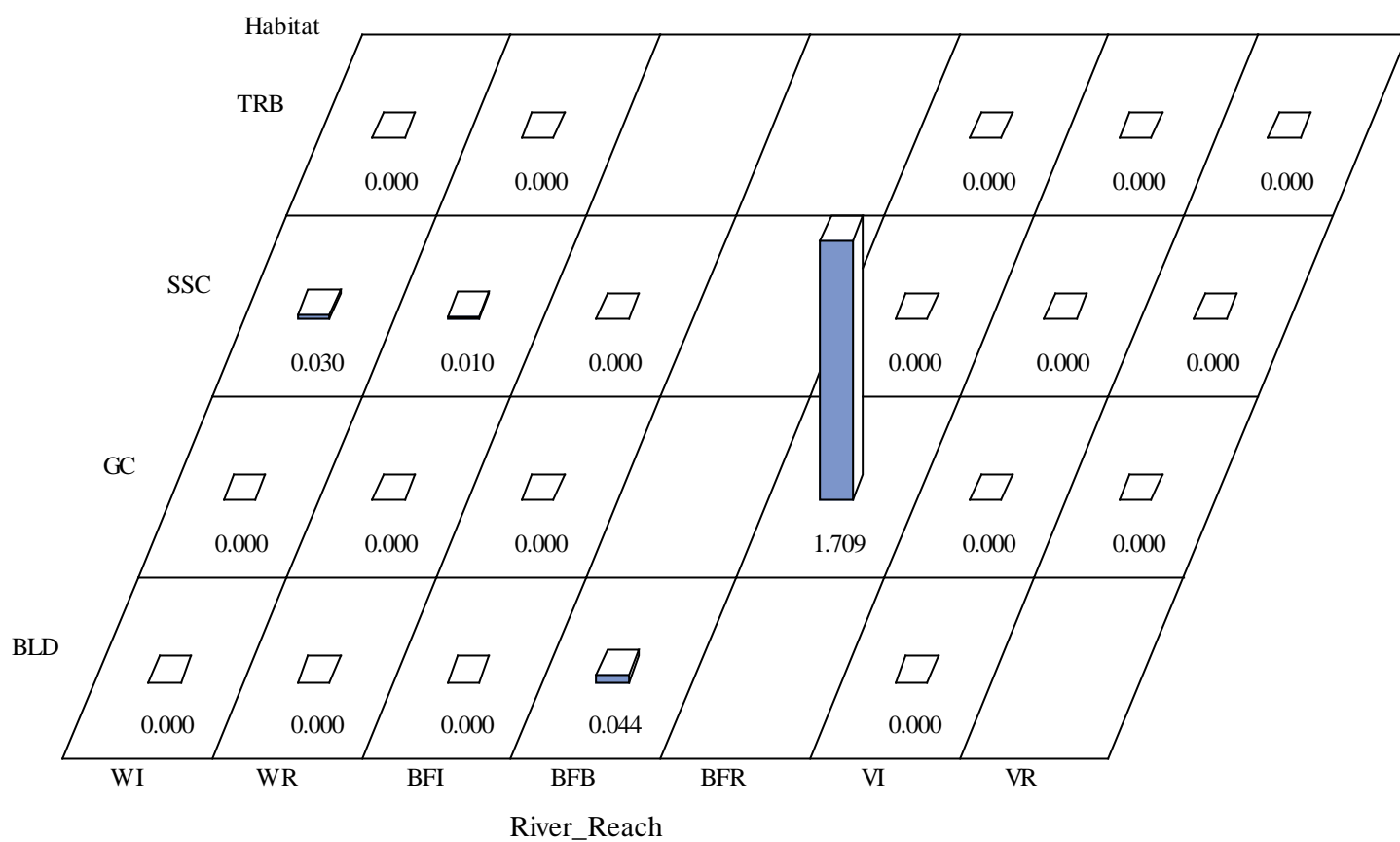
species=Channel catfish season=Summer



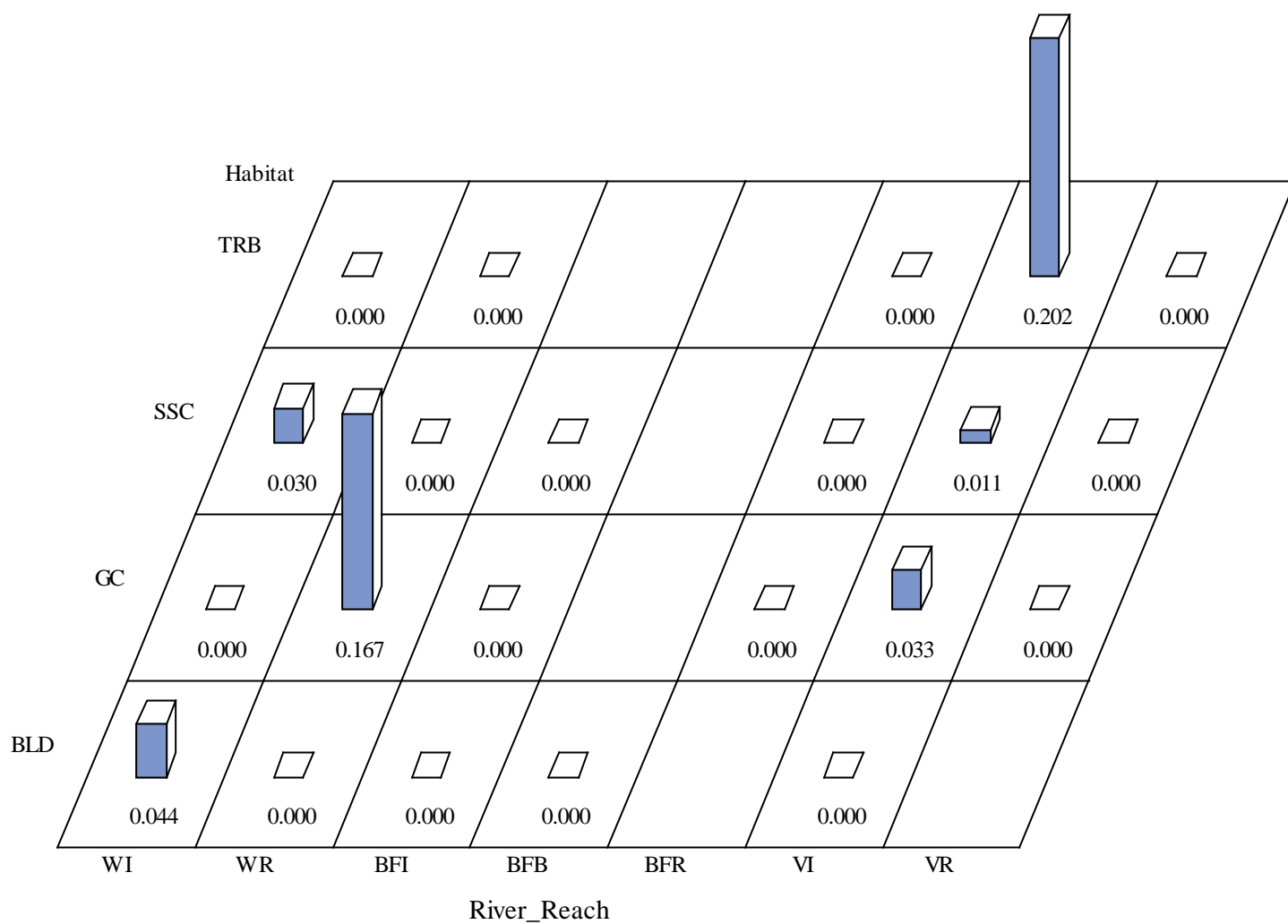
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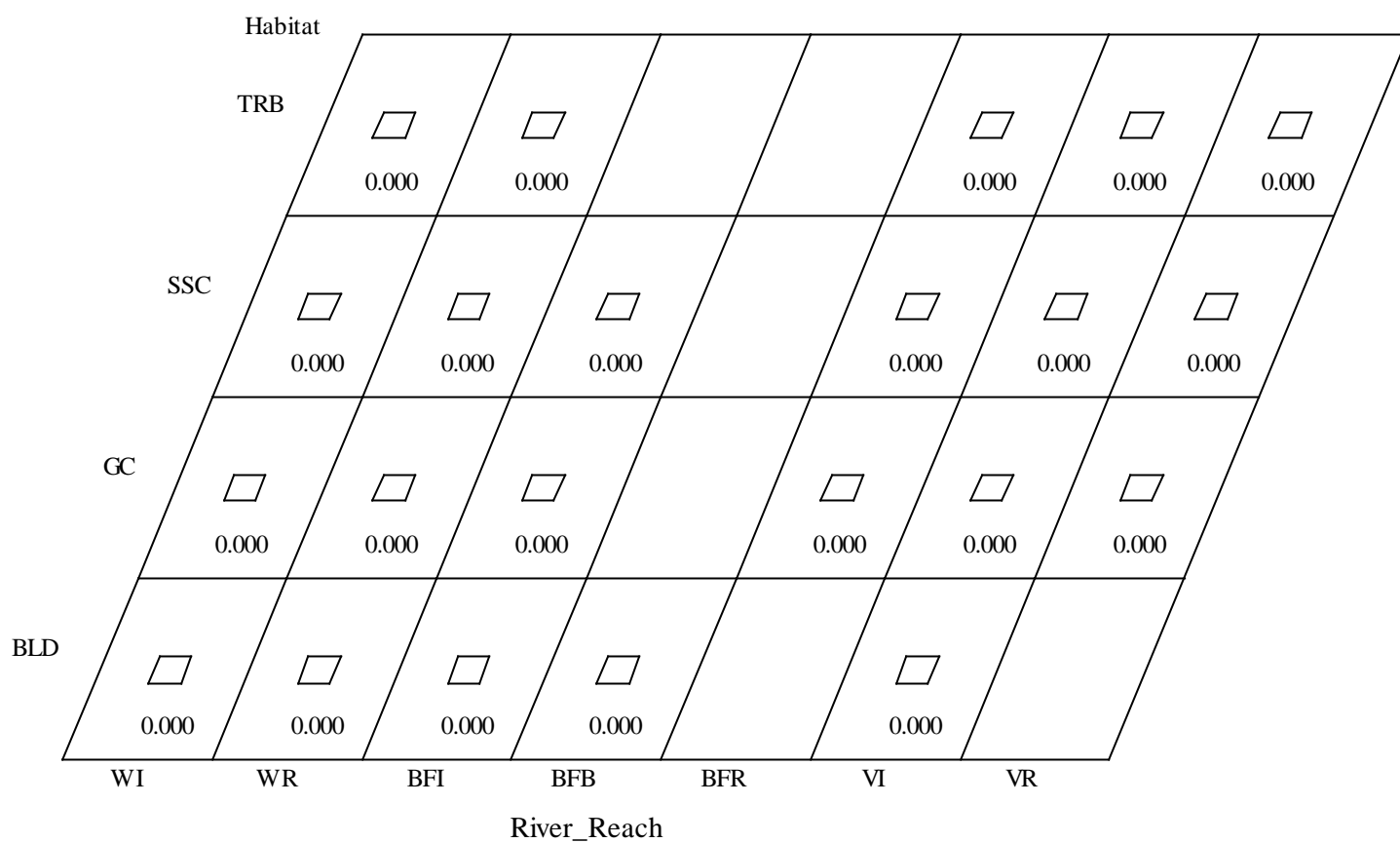
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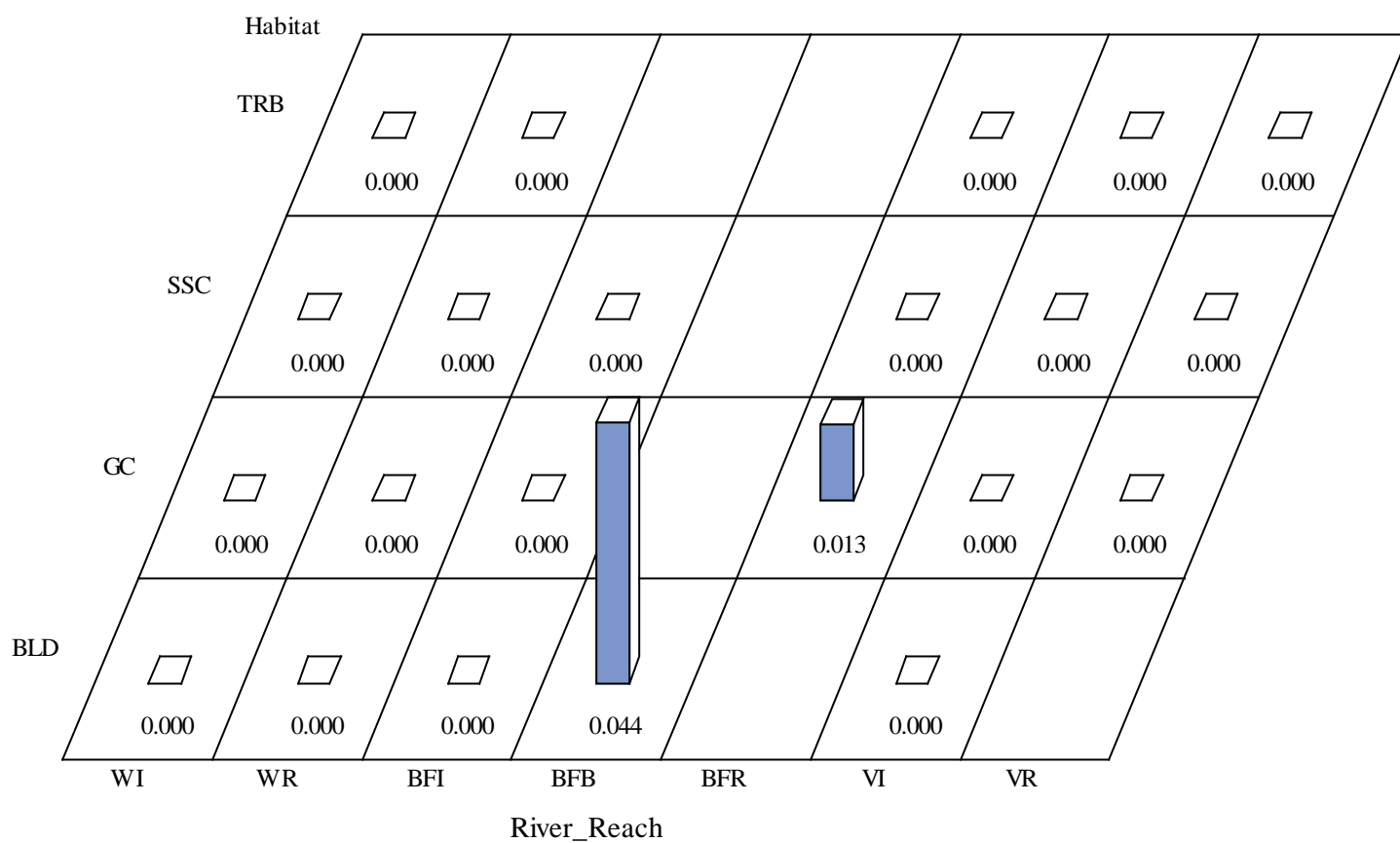
species=Creek chub season=Summer



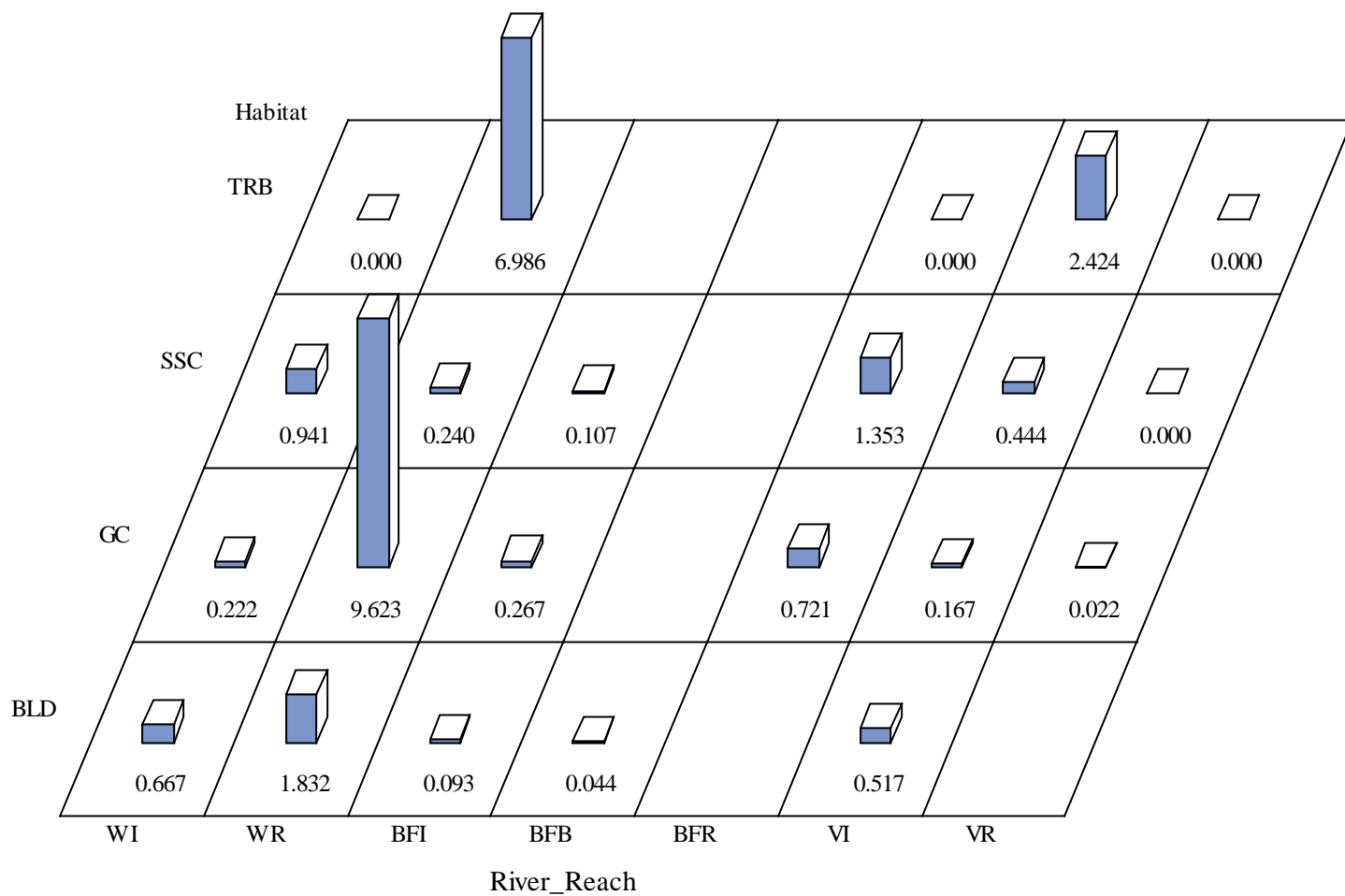
species=Cutlips minnow season=Summer



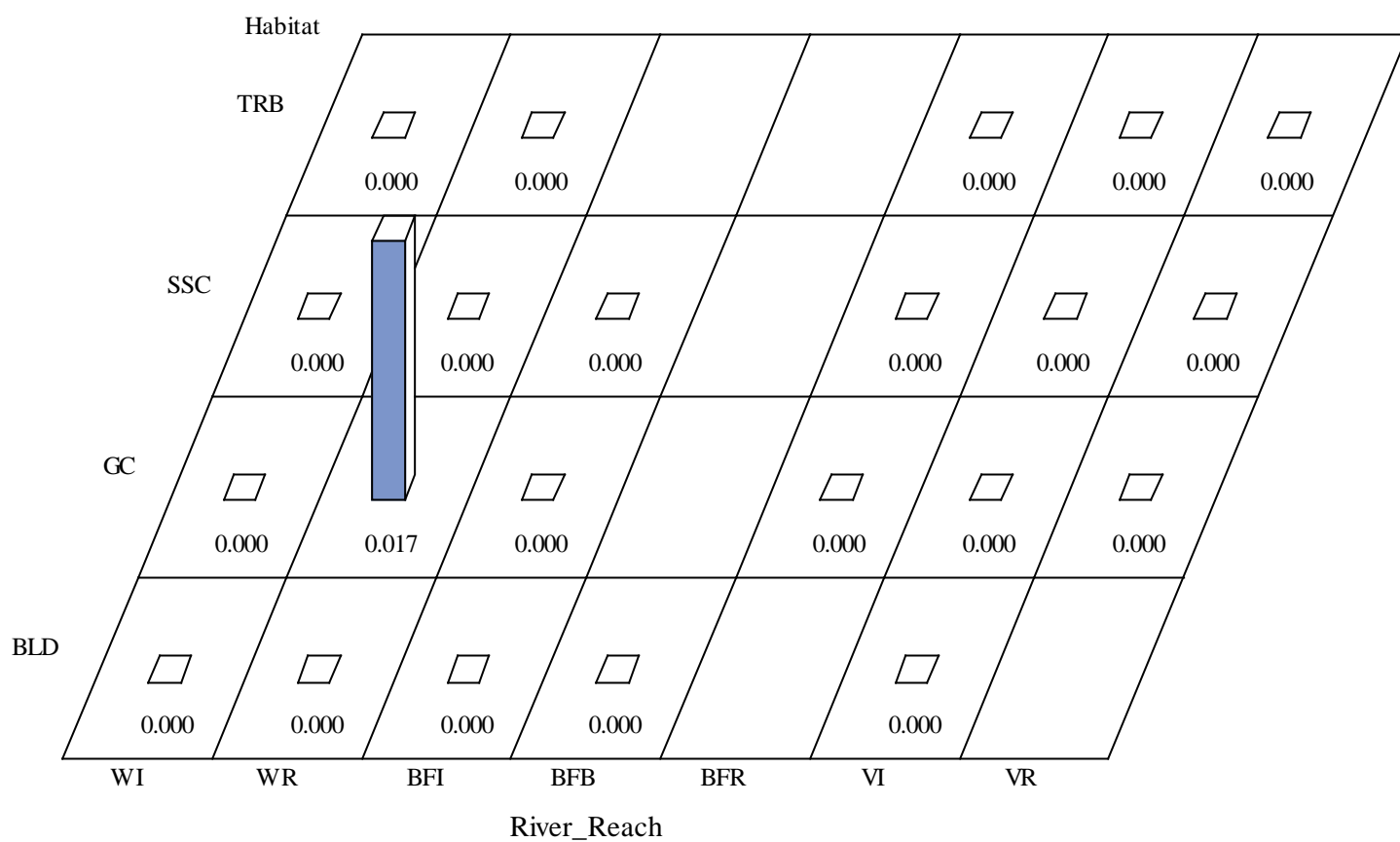
species=Eastern silvery minnow season=Summer



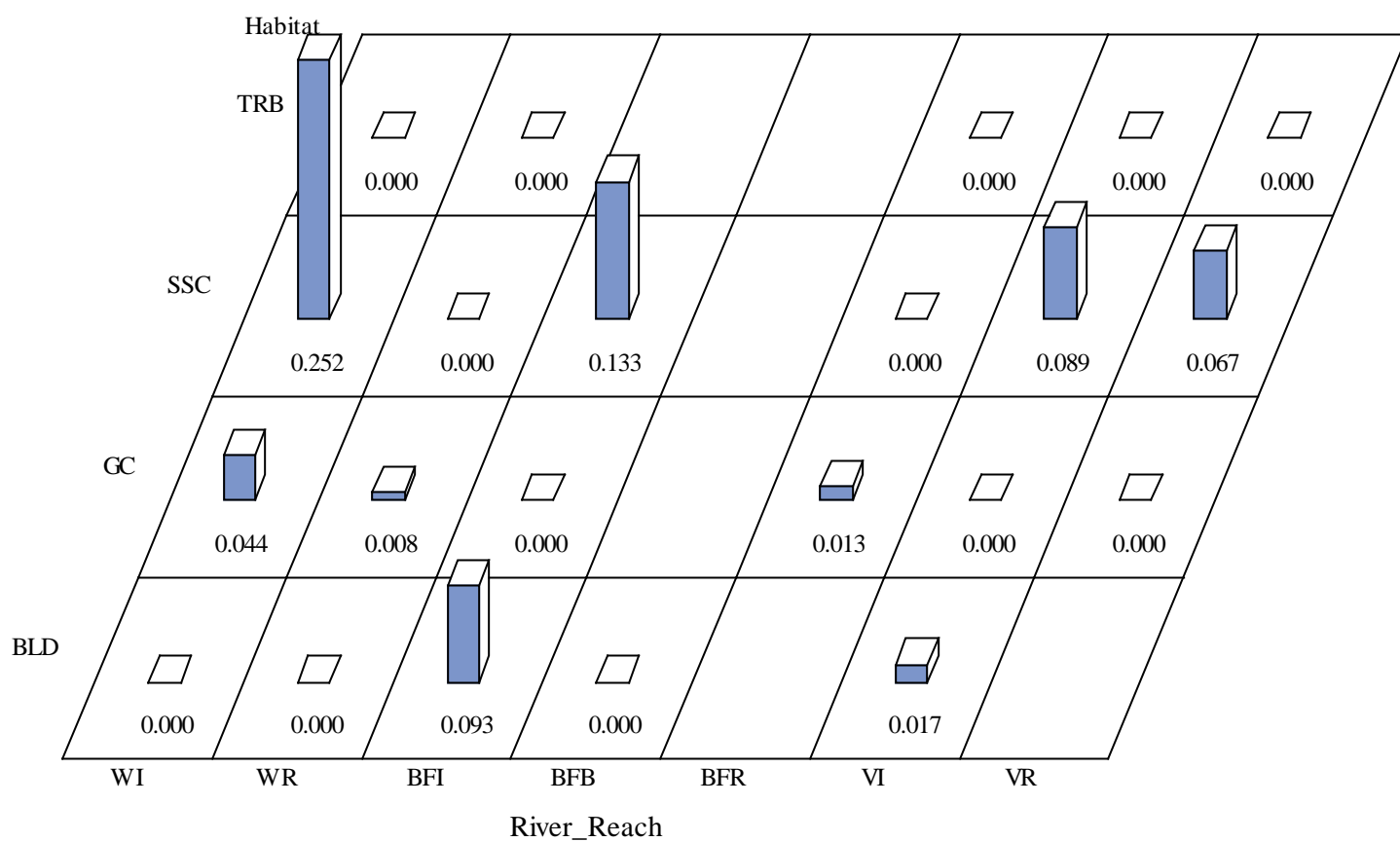
species=Fallfish season=Summer



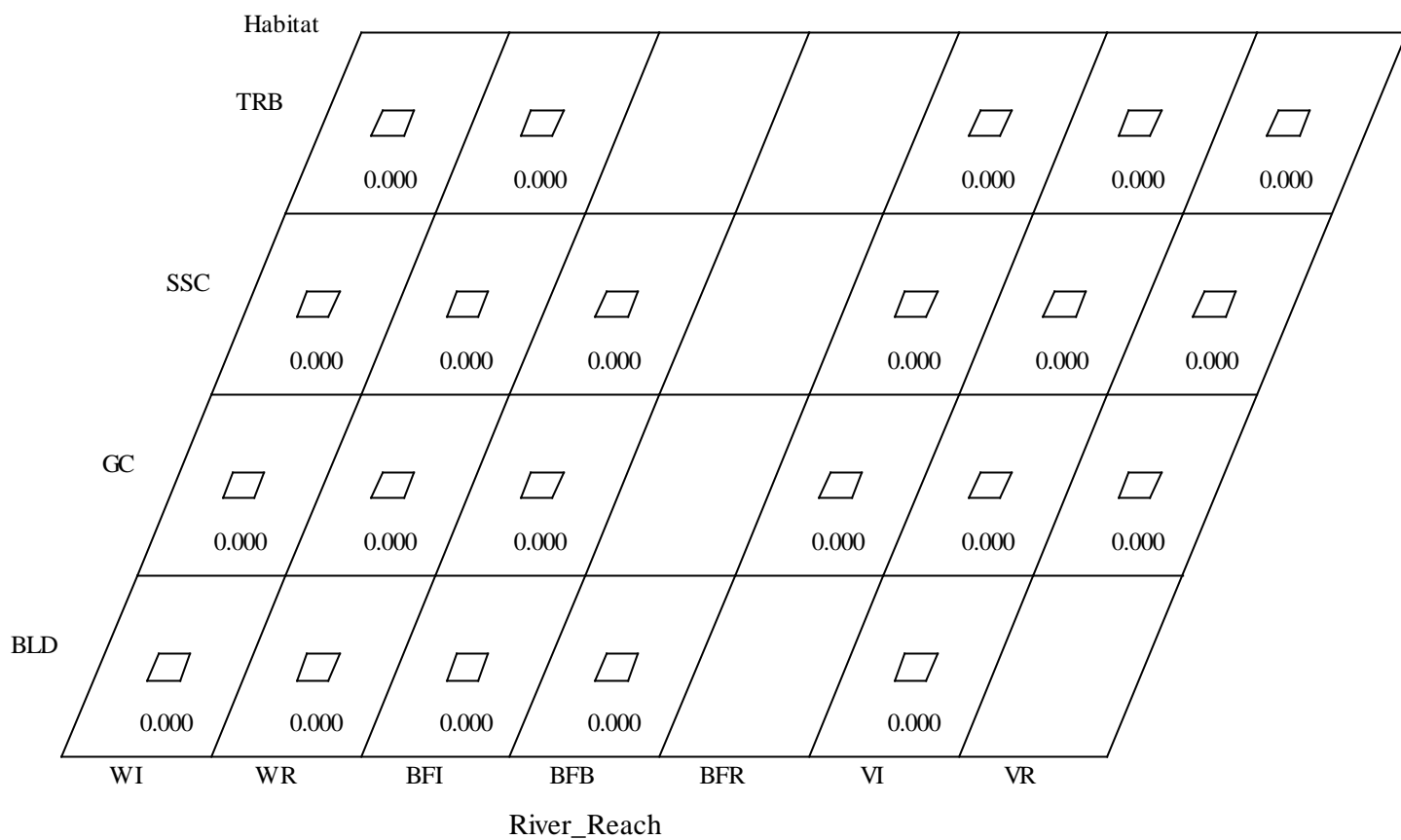
species=Fathead minnow season=Summer



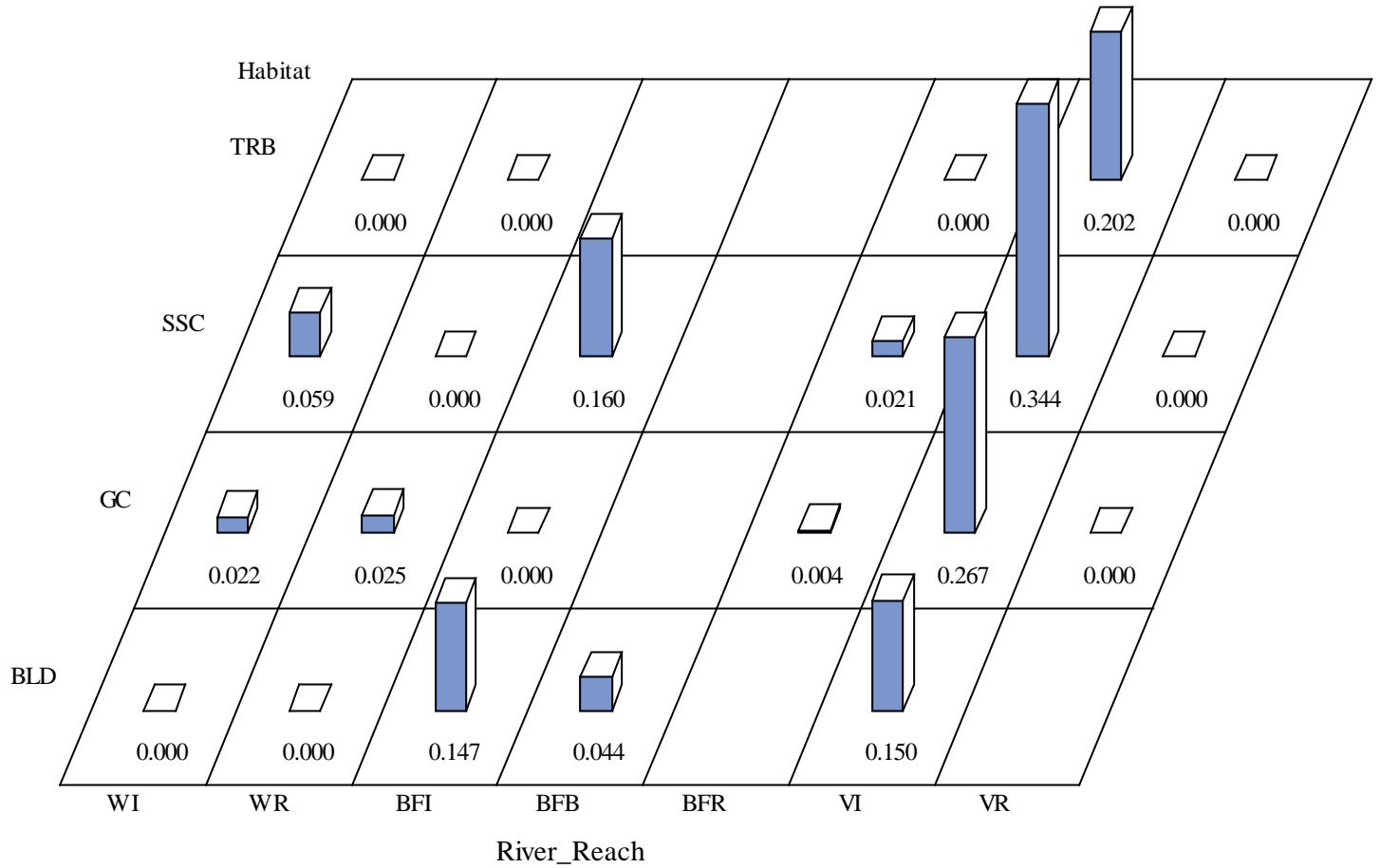
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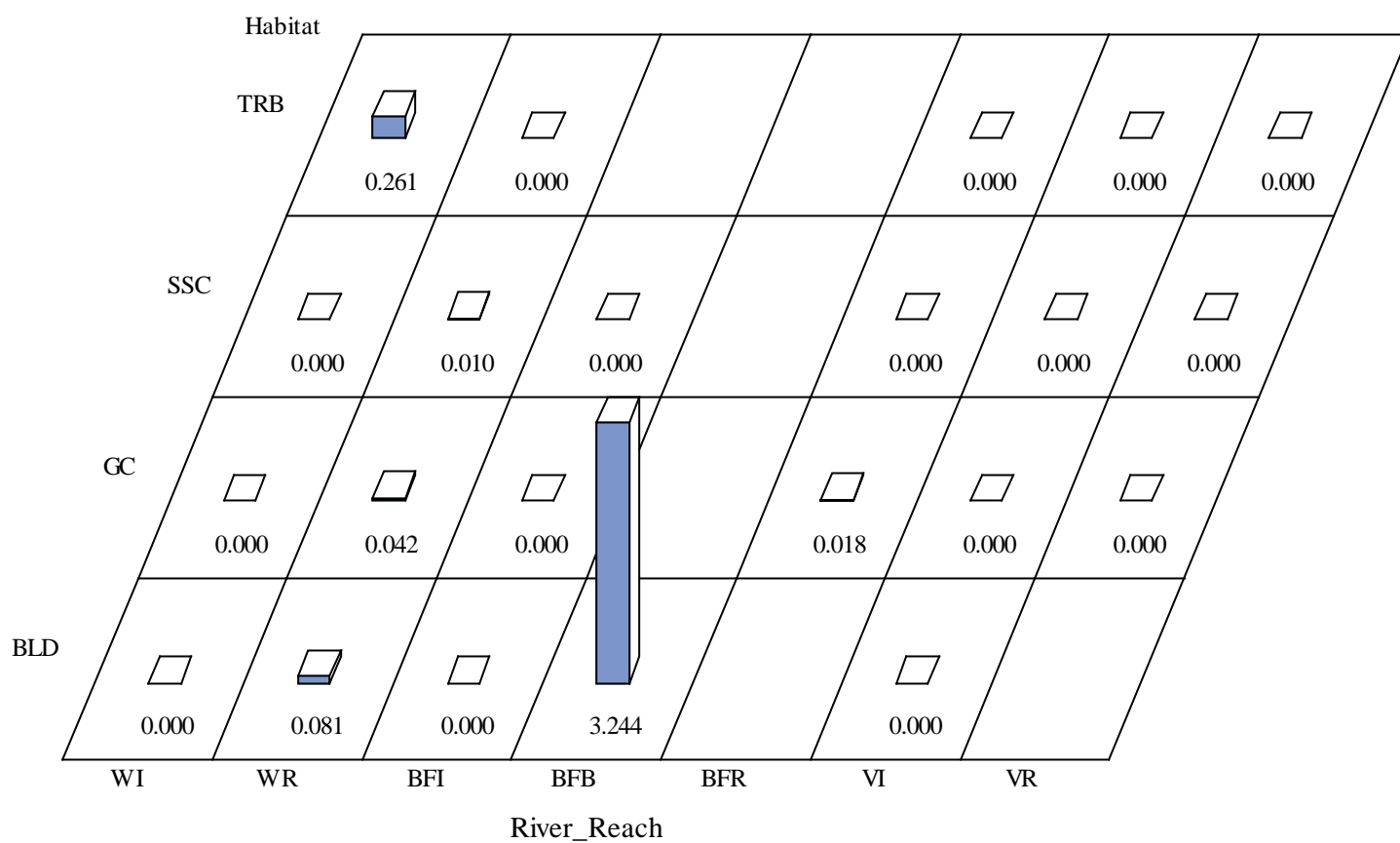
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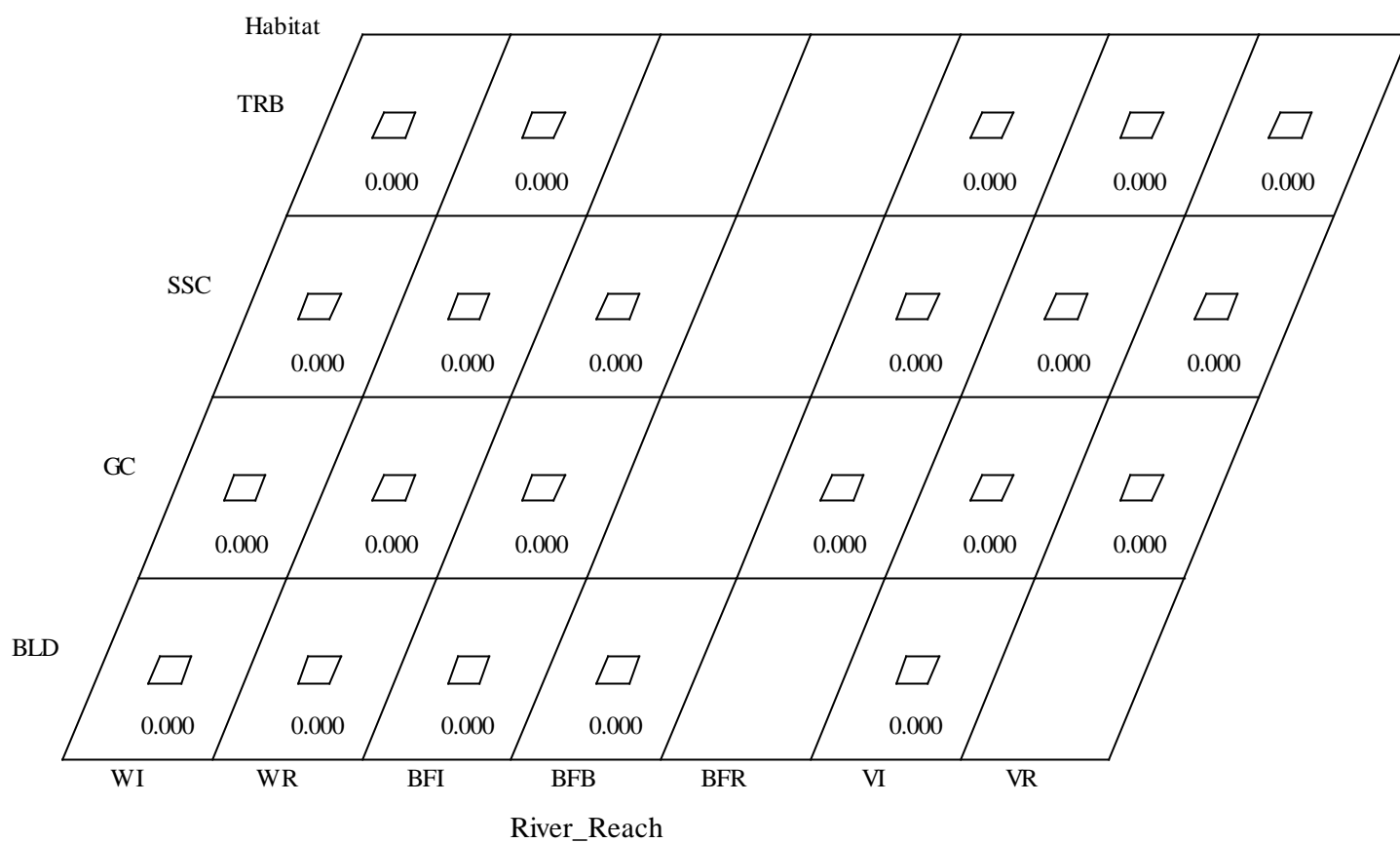
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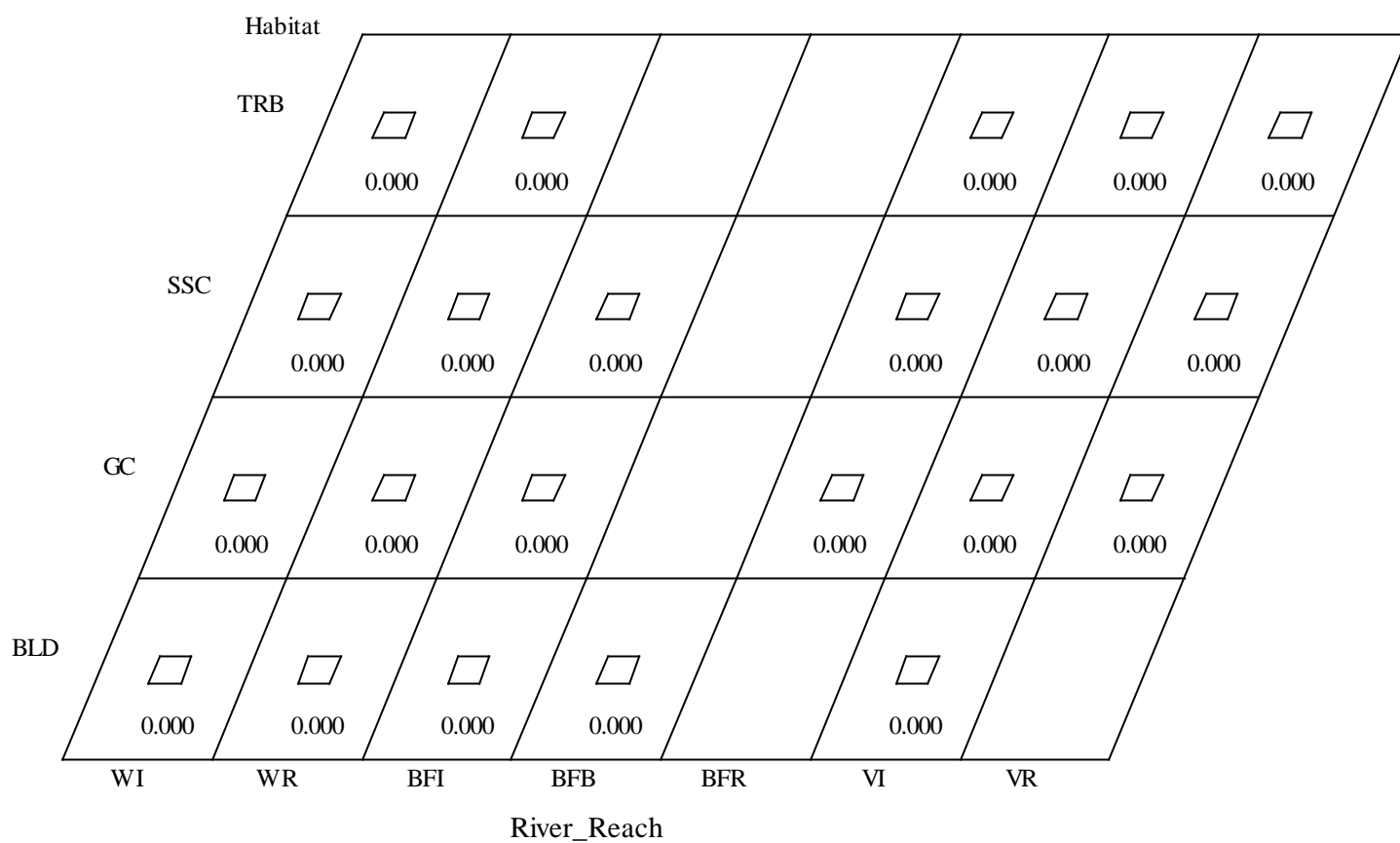
species=Longnose dace season=Summer



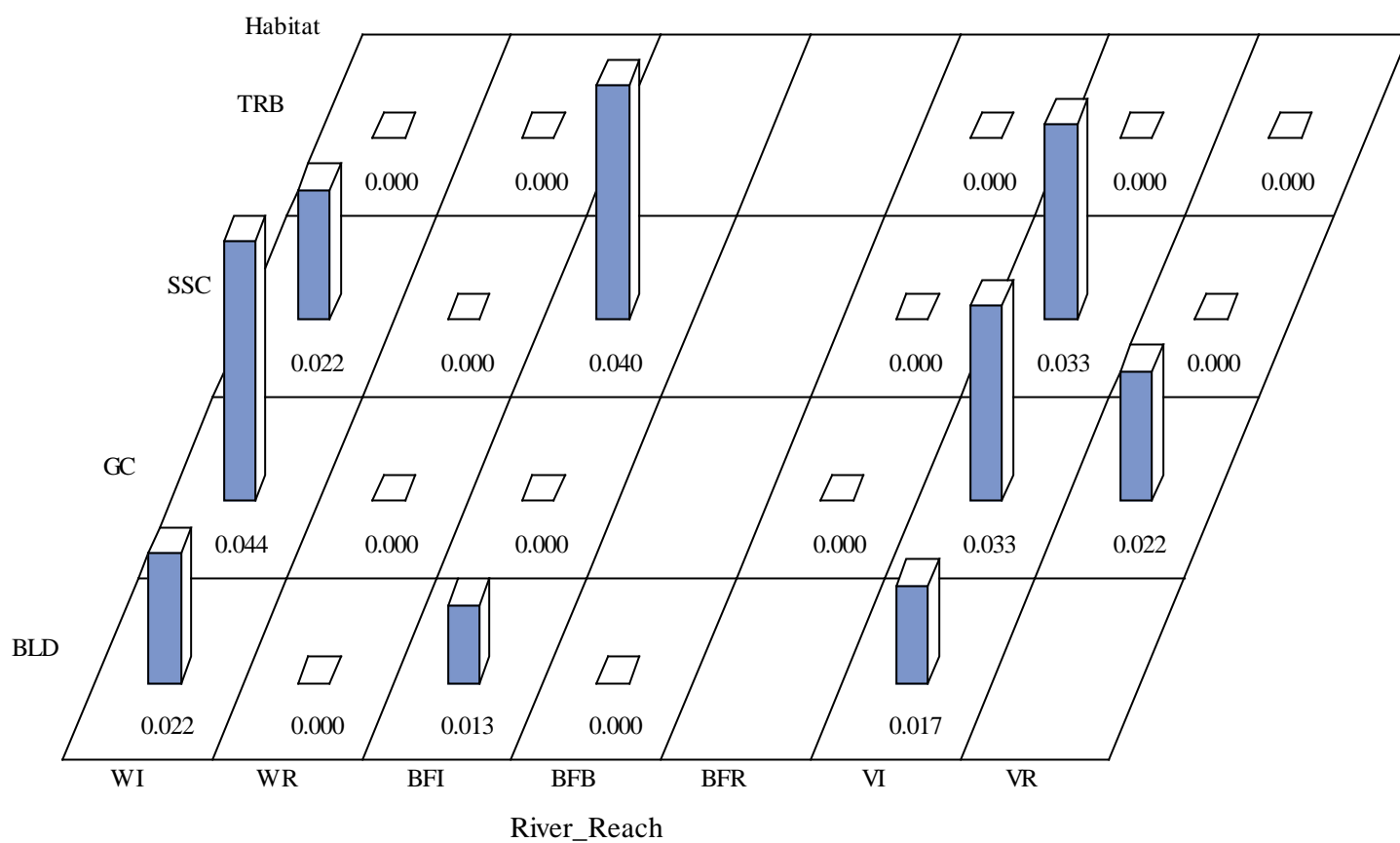
species=Longnose sucker season=Summer



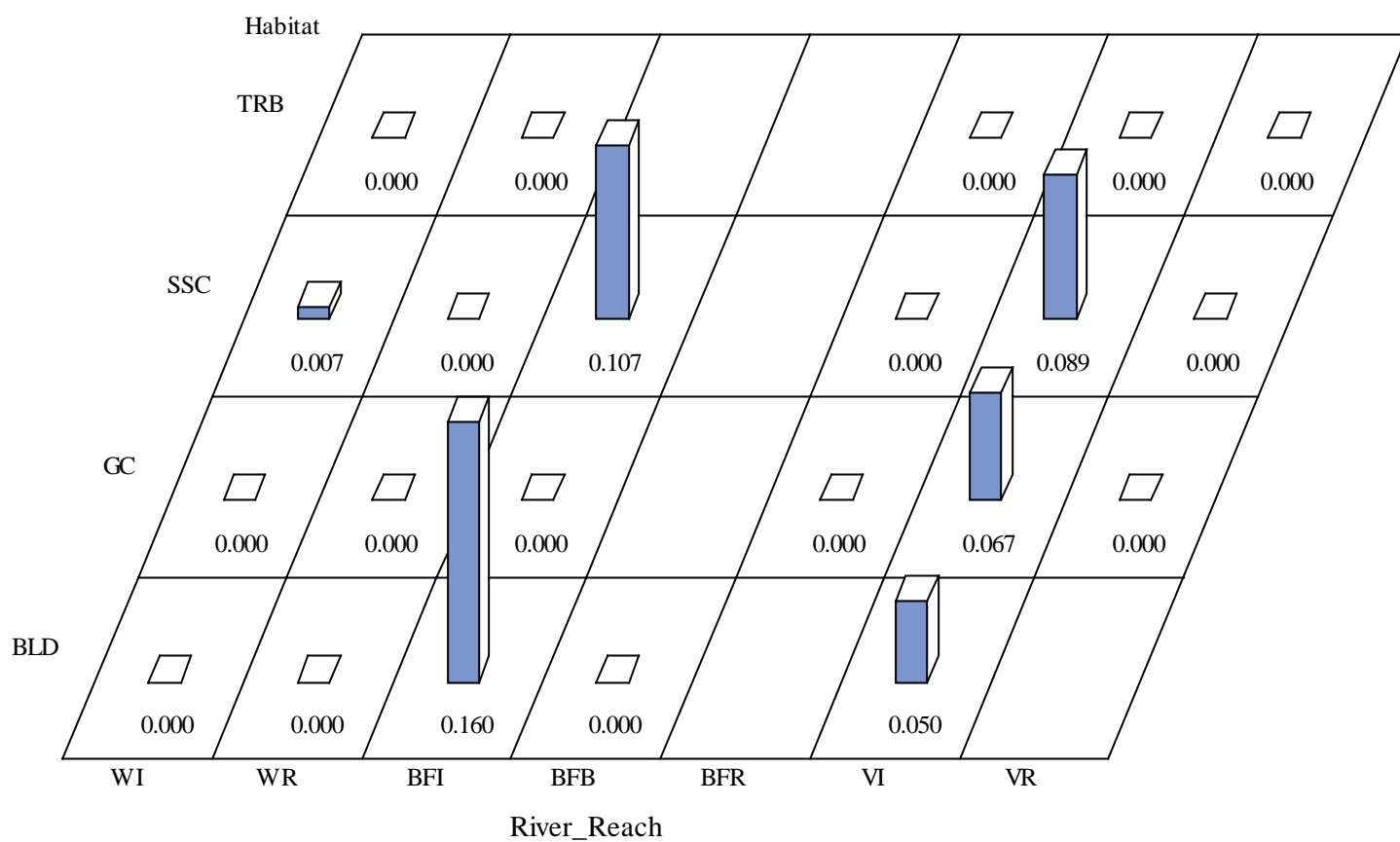
species=Mimic shiner season=Summer



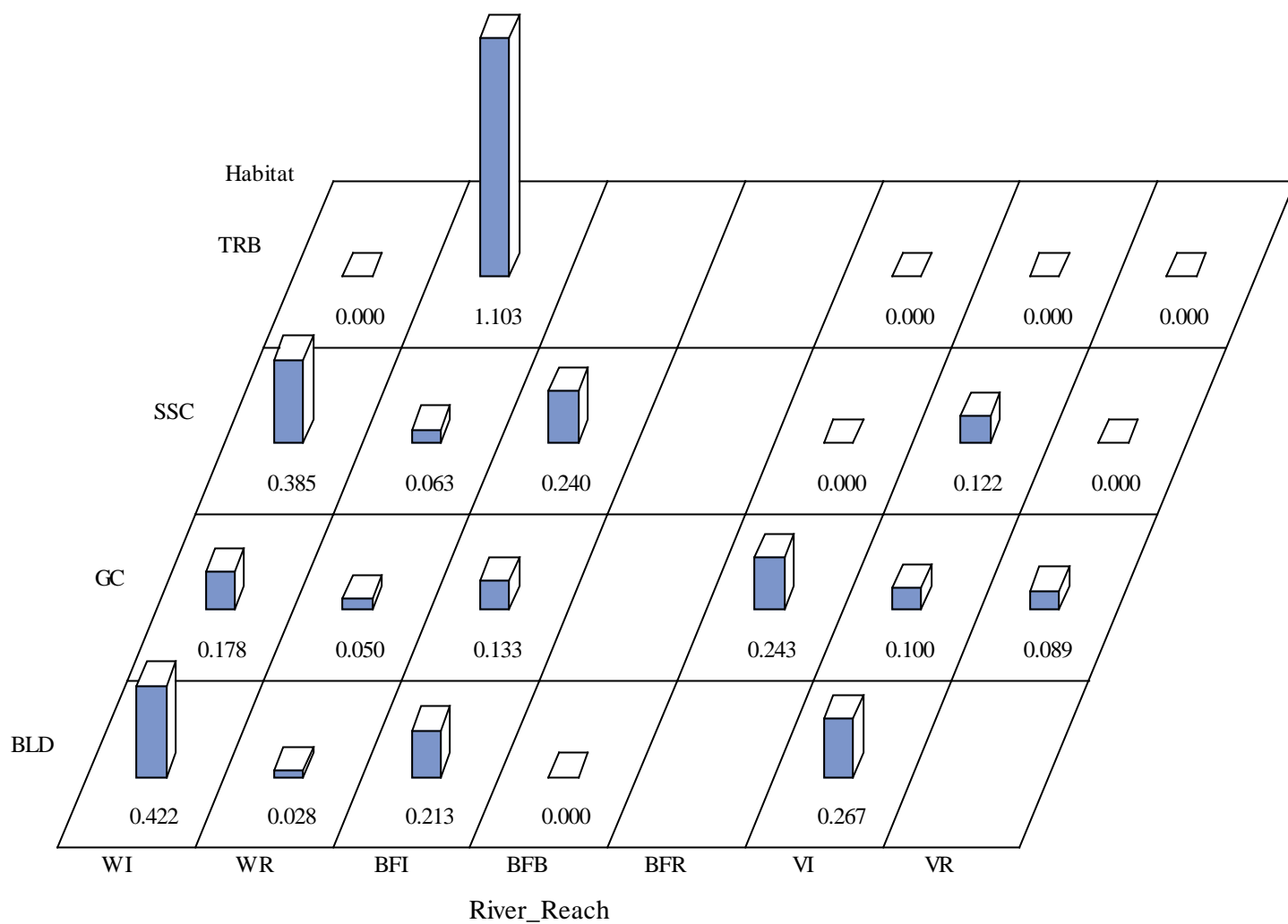
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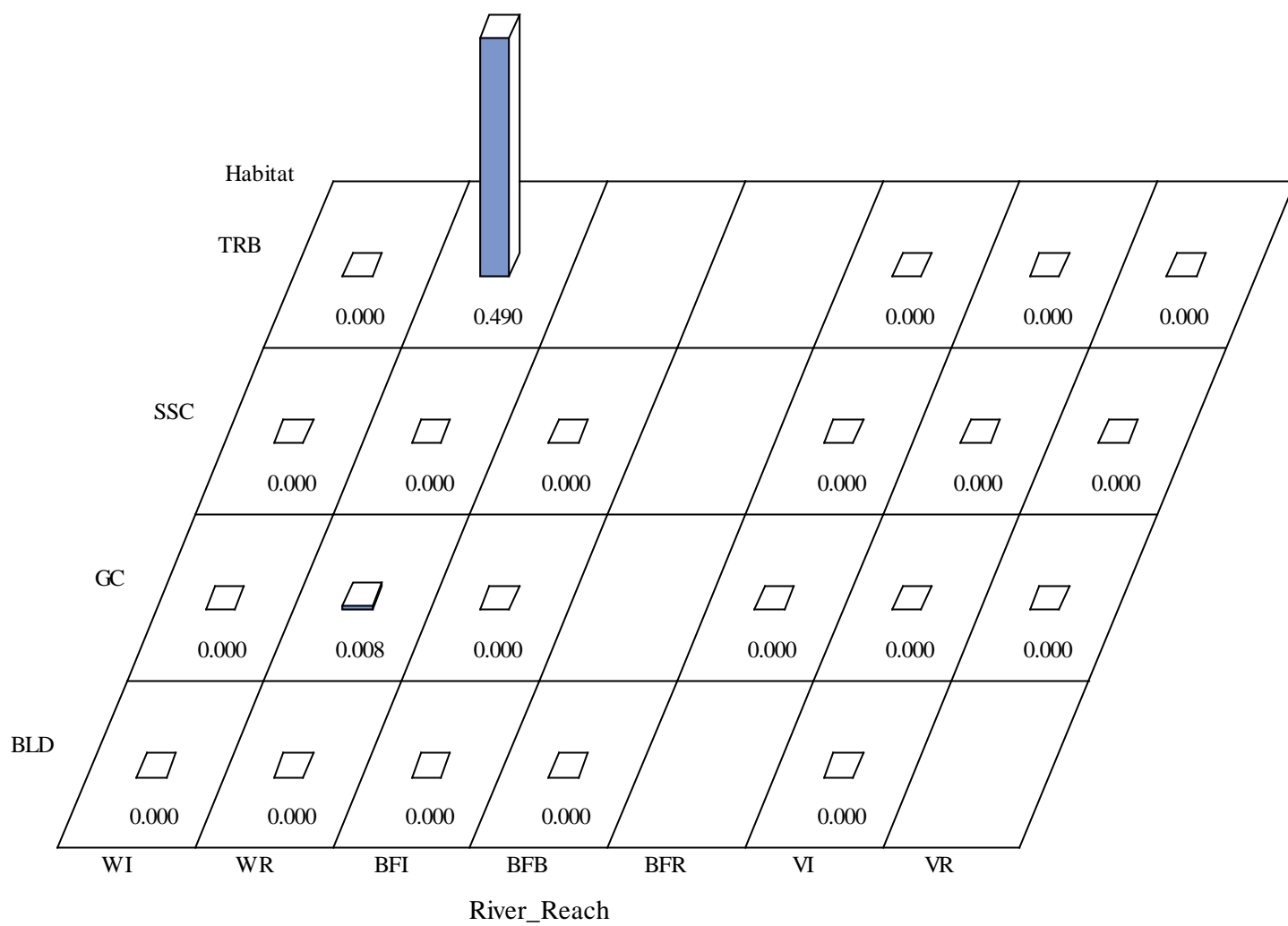


species=Pumpkinseed season=Summer

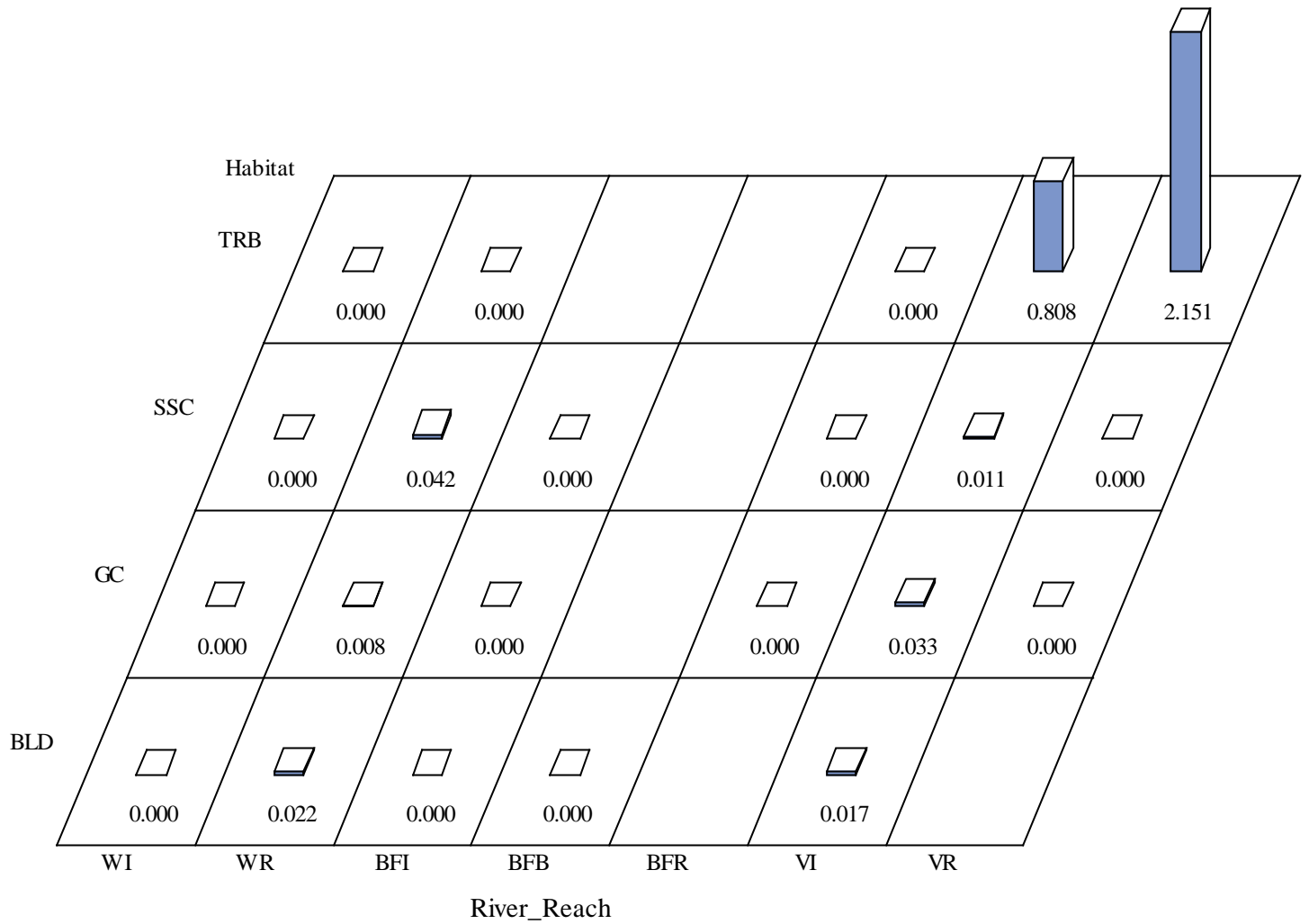


species=Rock bass season=Summer

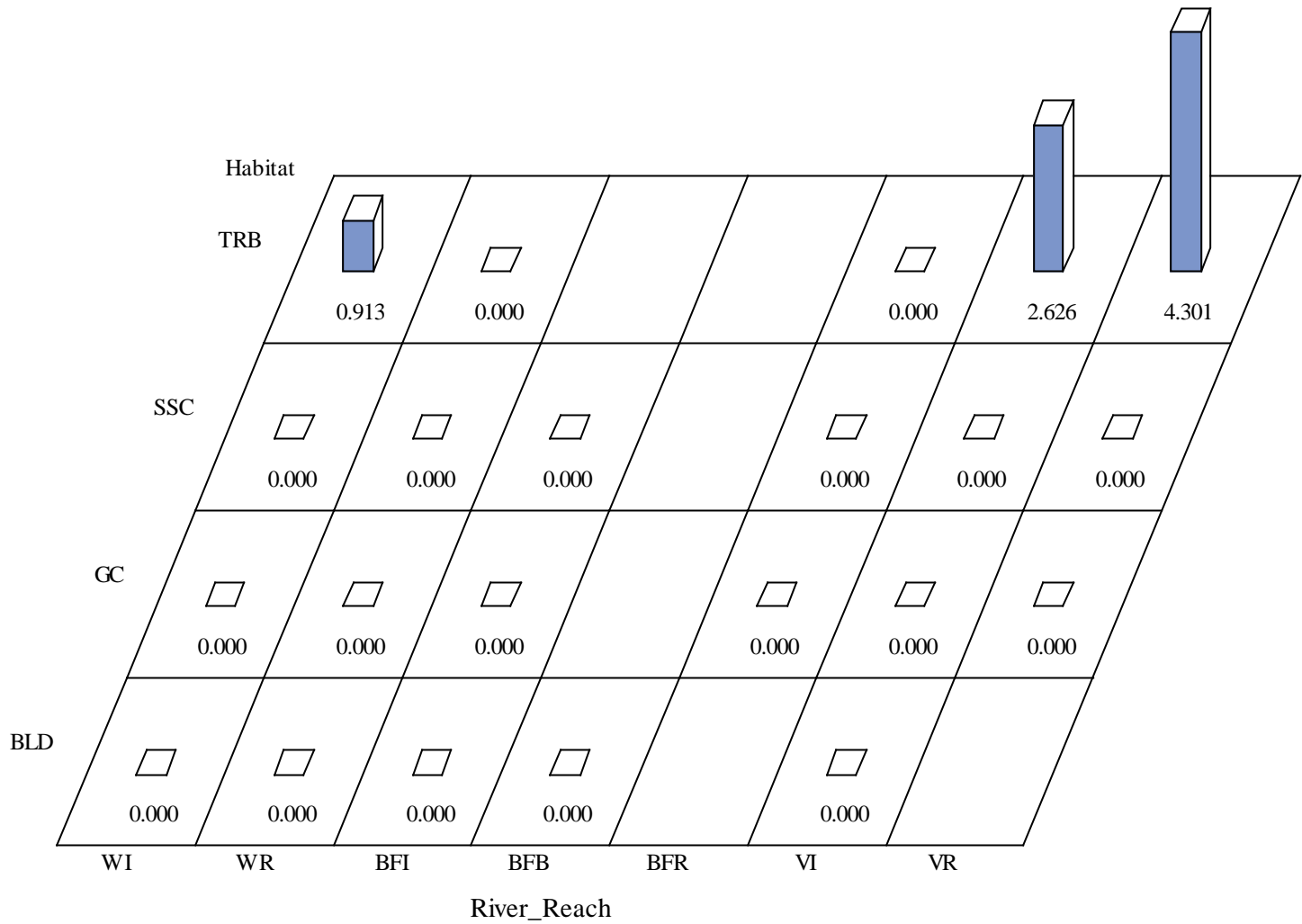




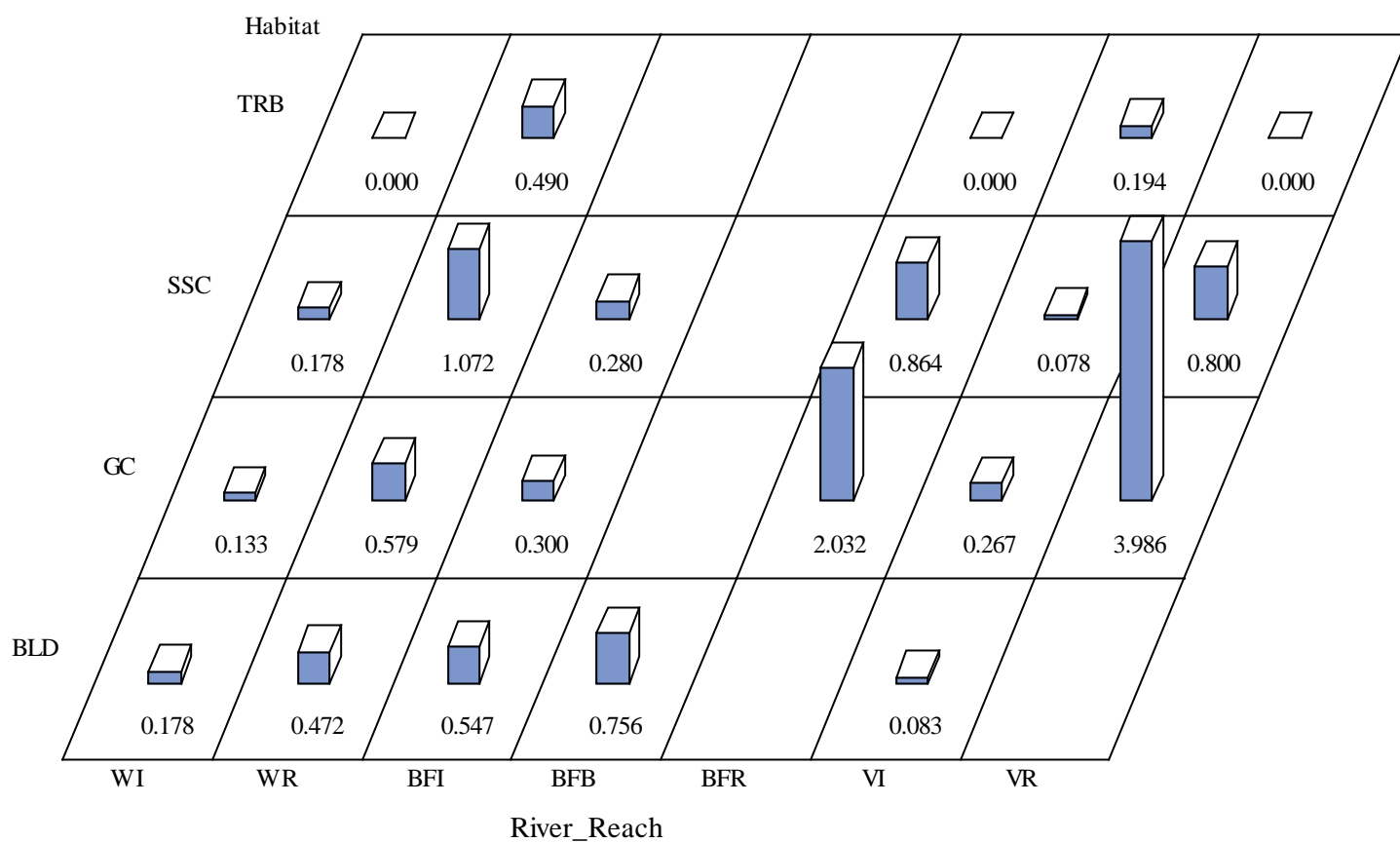
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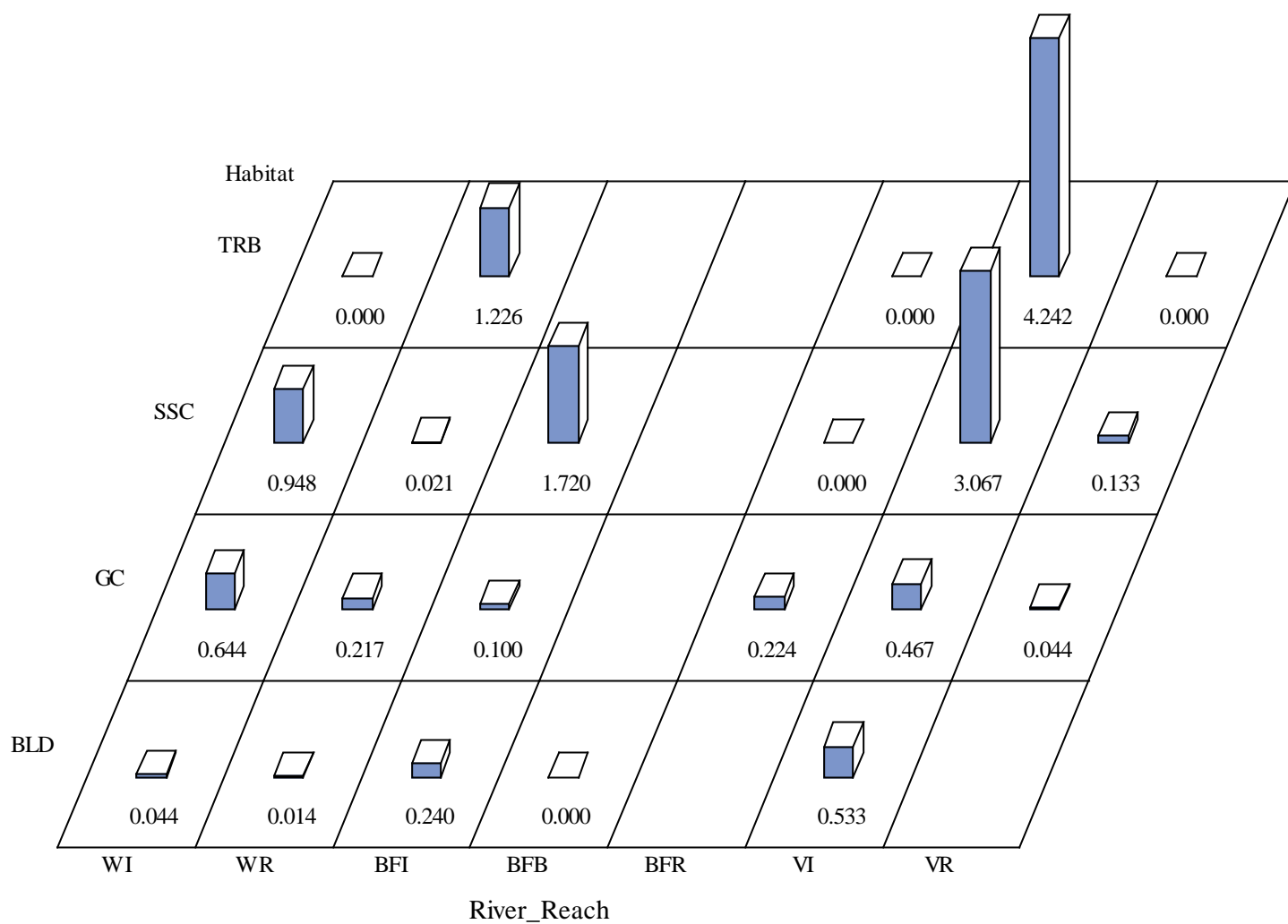
species=Slimy sculpin season=Summer



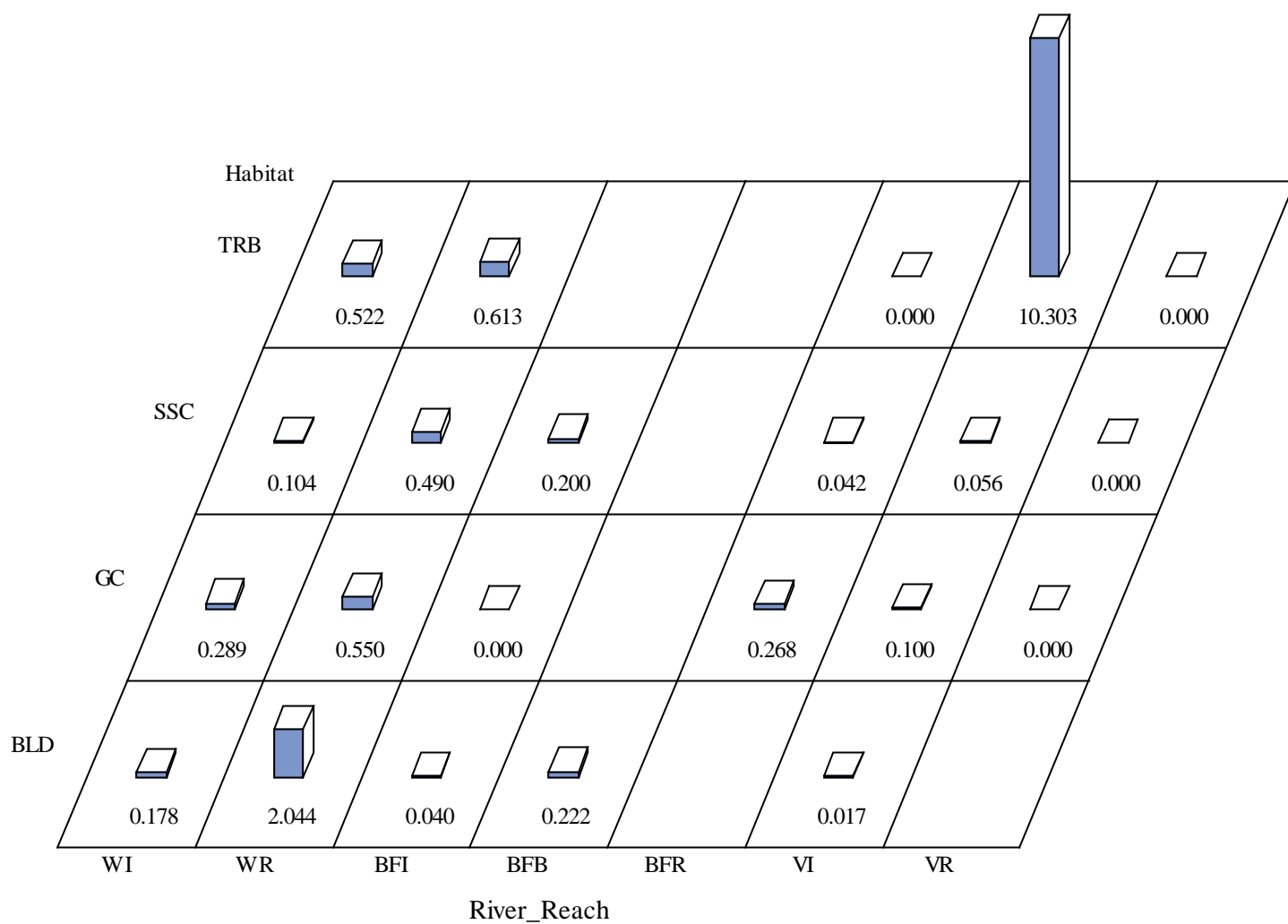
species=Smallmouth bass season=Summer



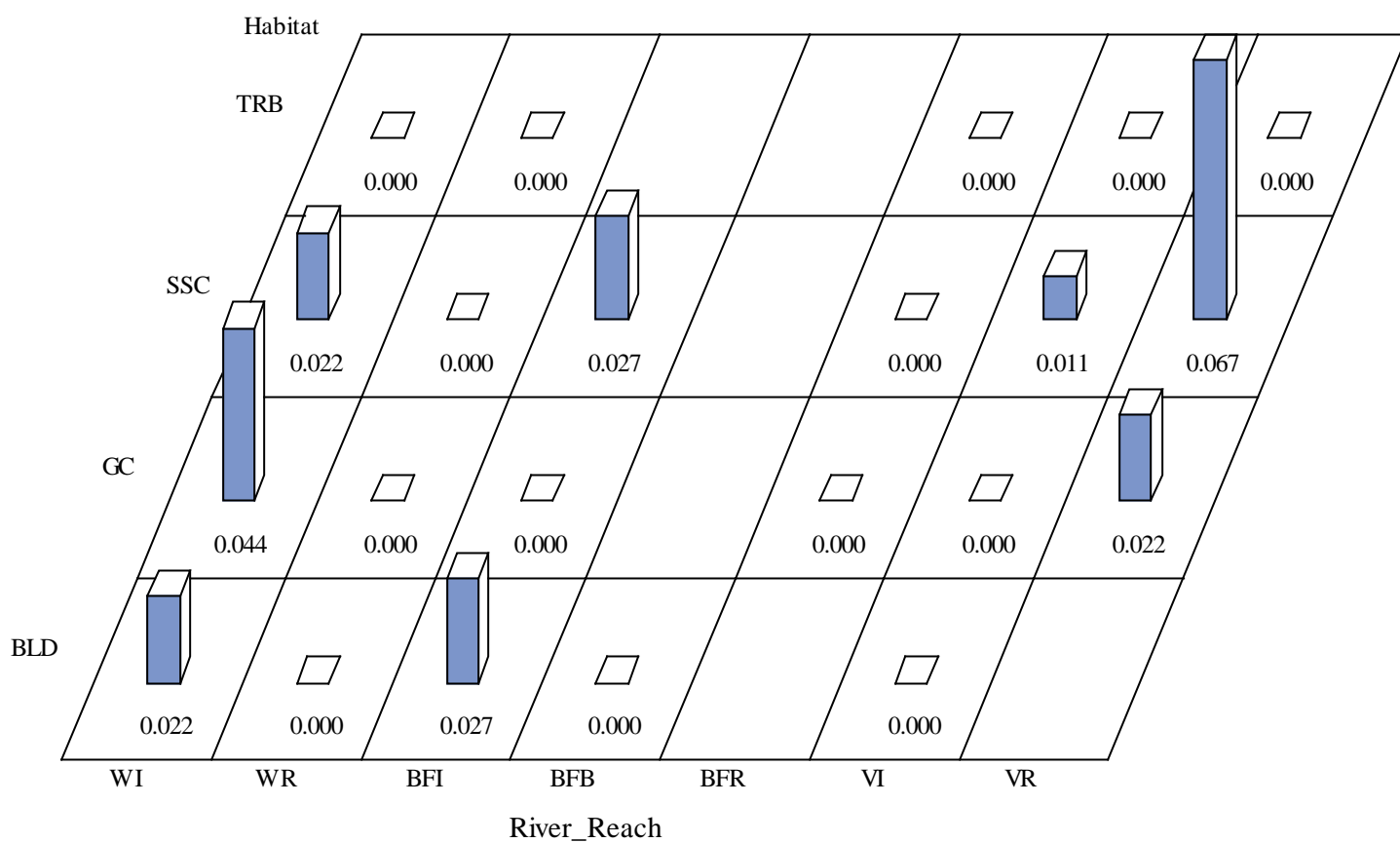
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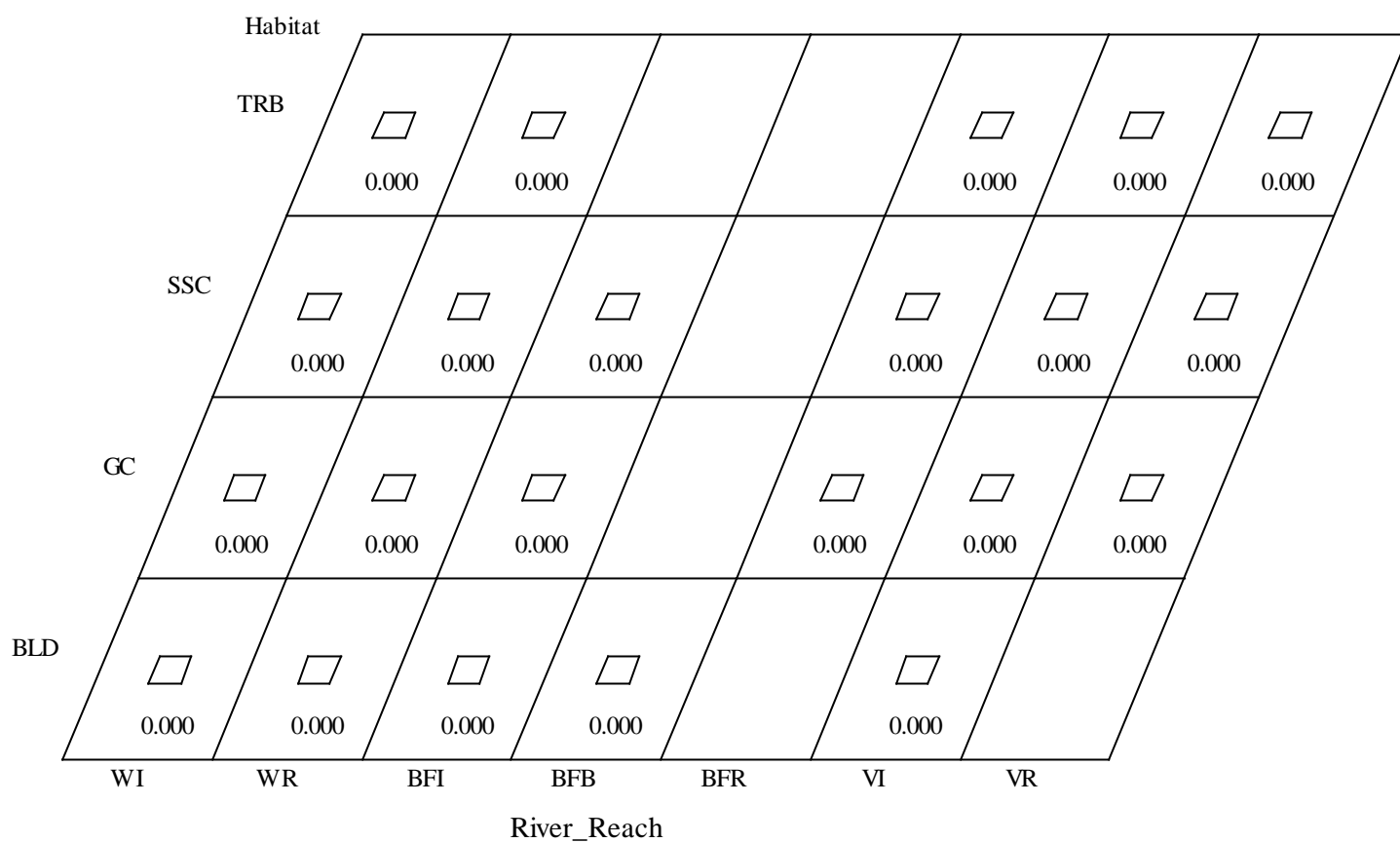
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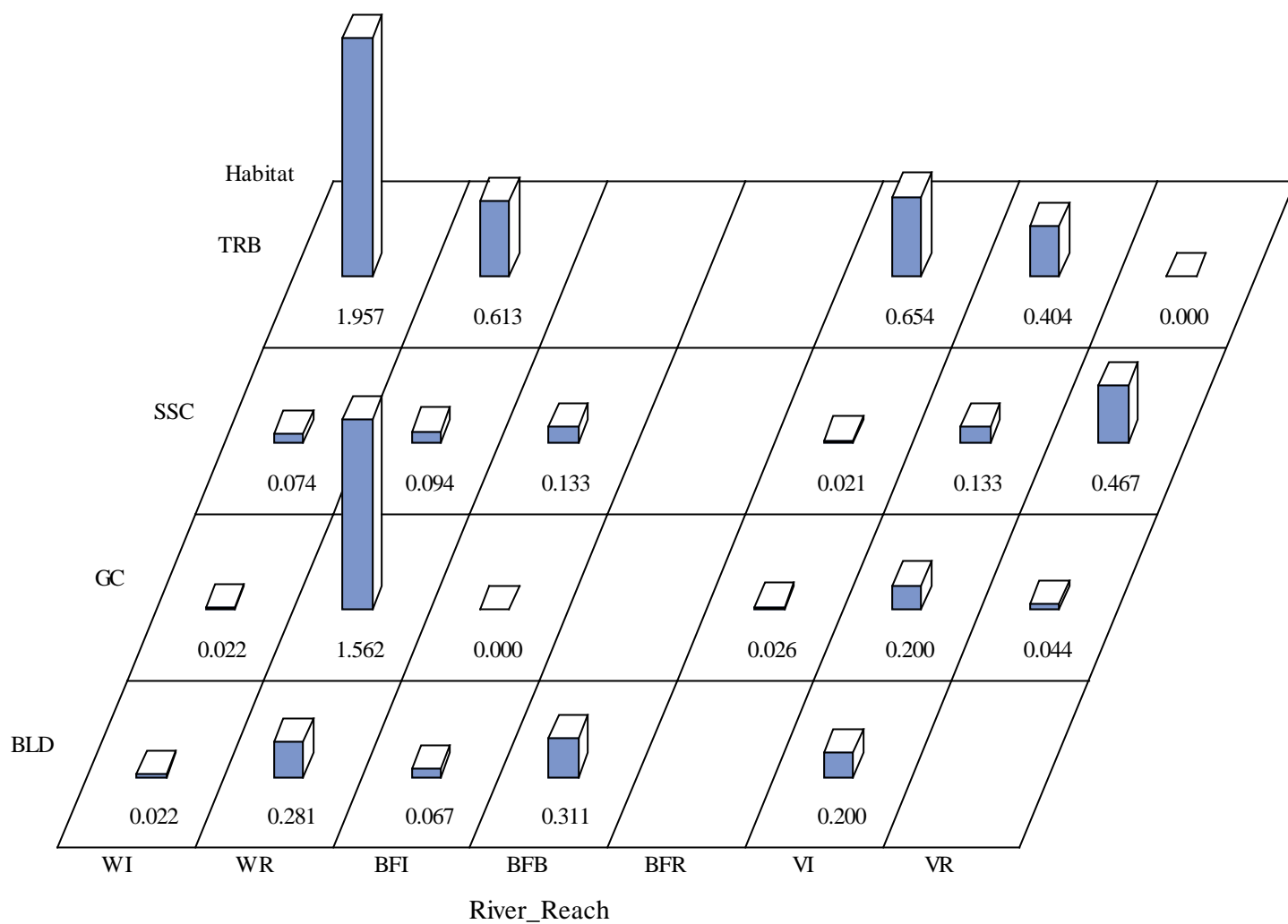
species=Walleye season=Summer



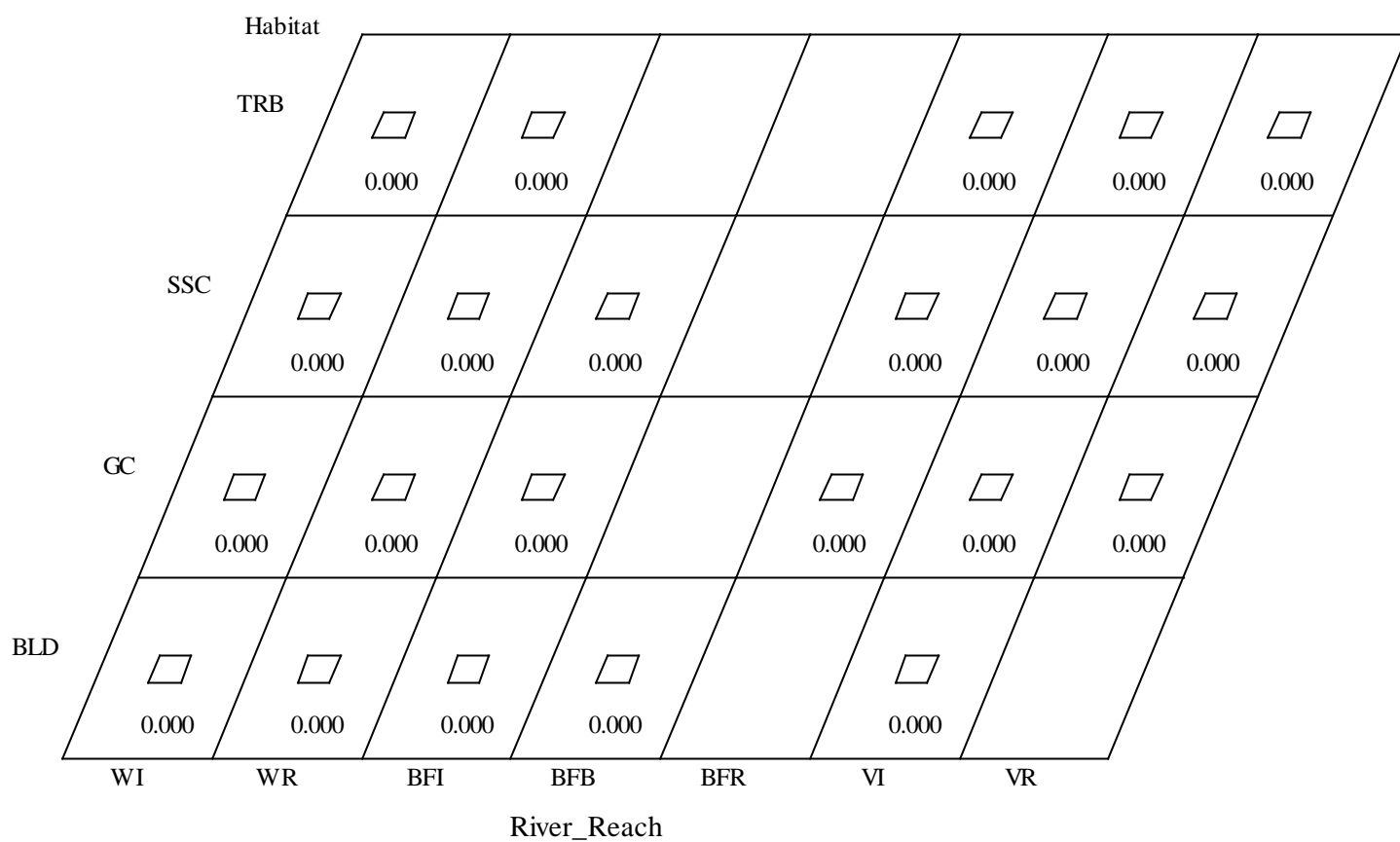
species=White perch season=Summer



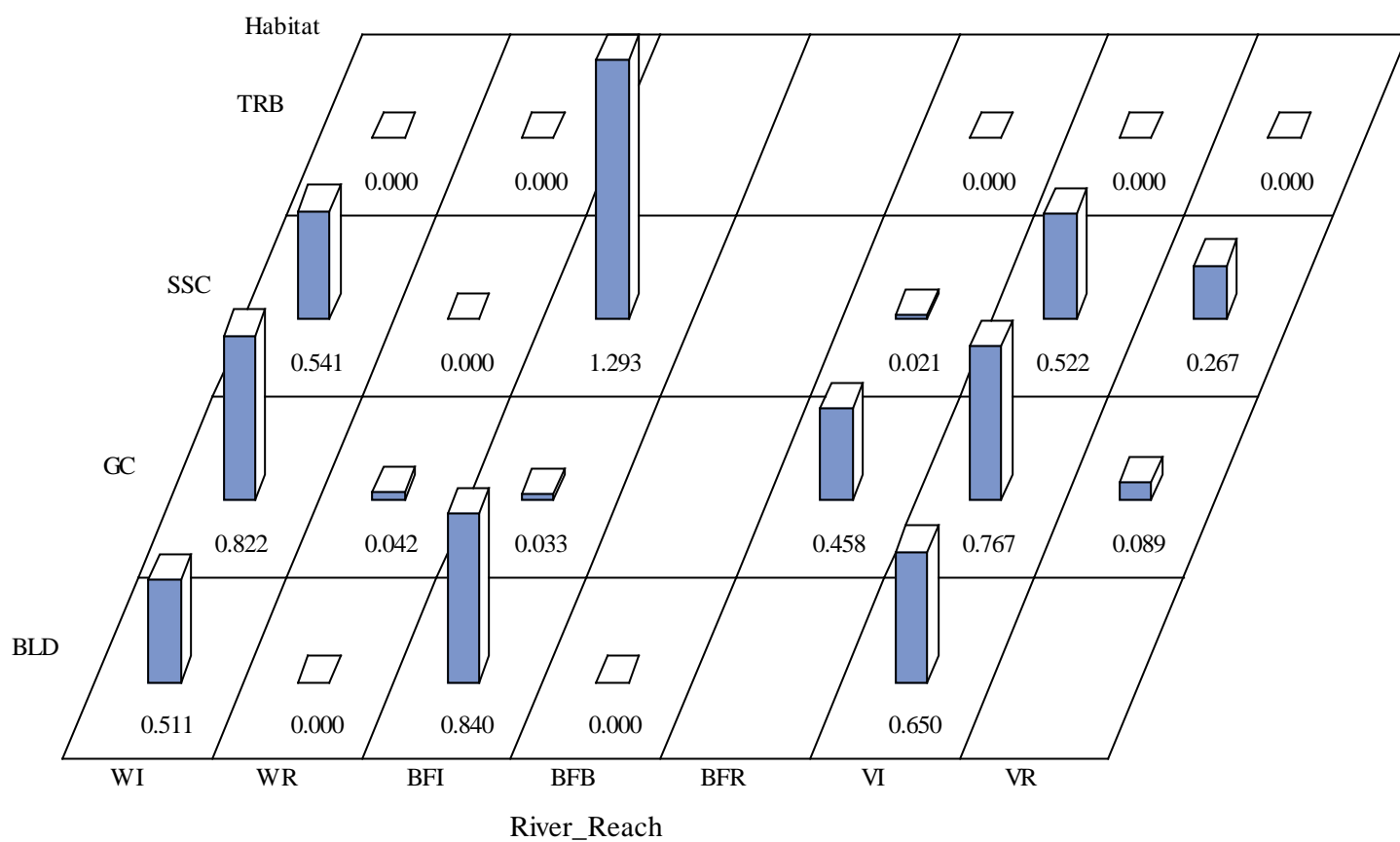
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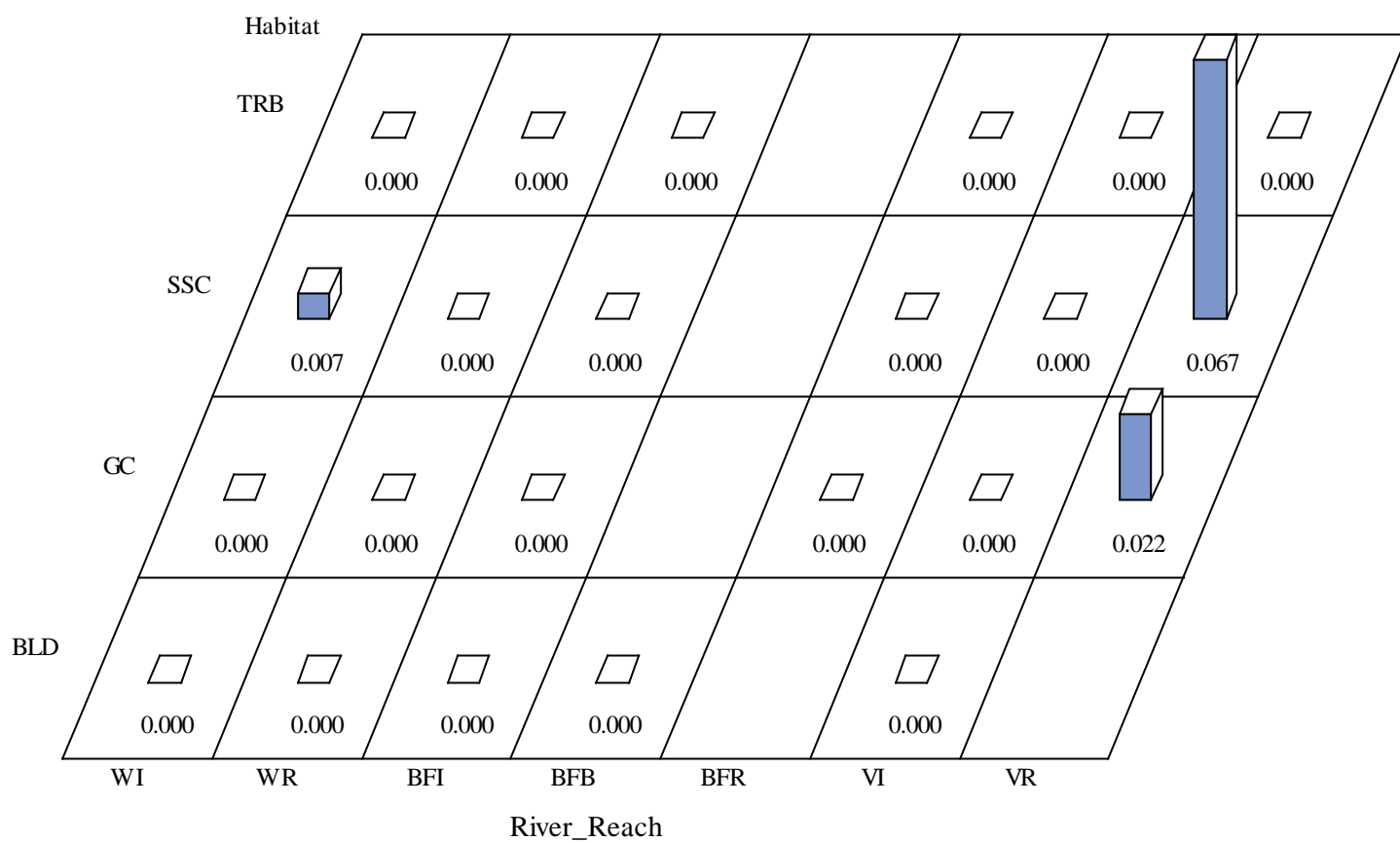
species=Yellow bullhead season=Summer



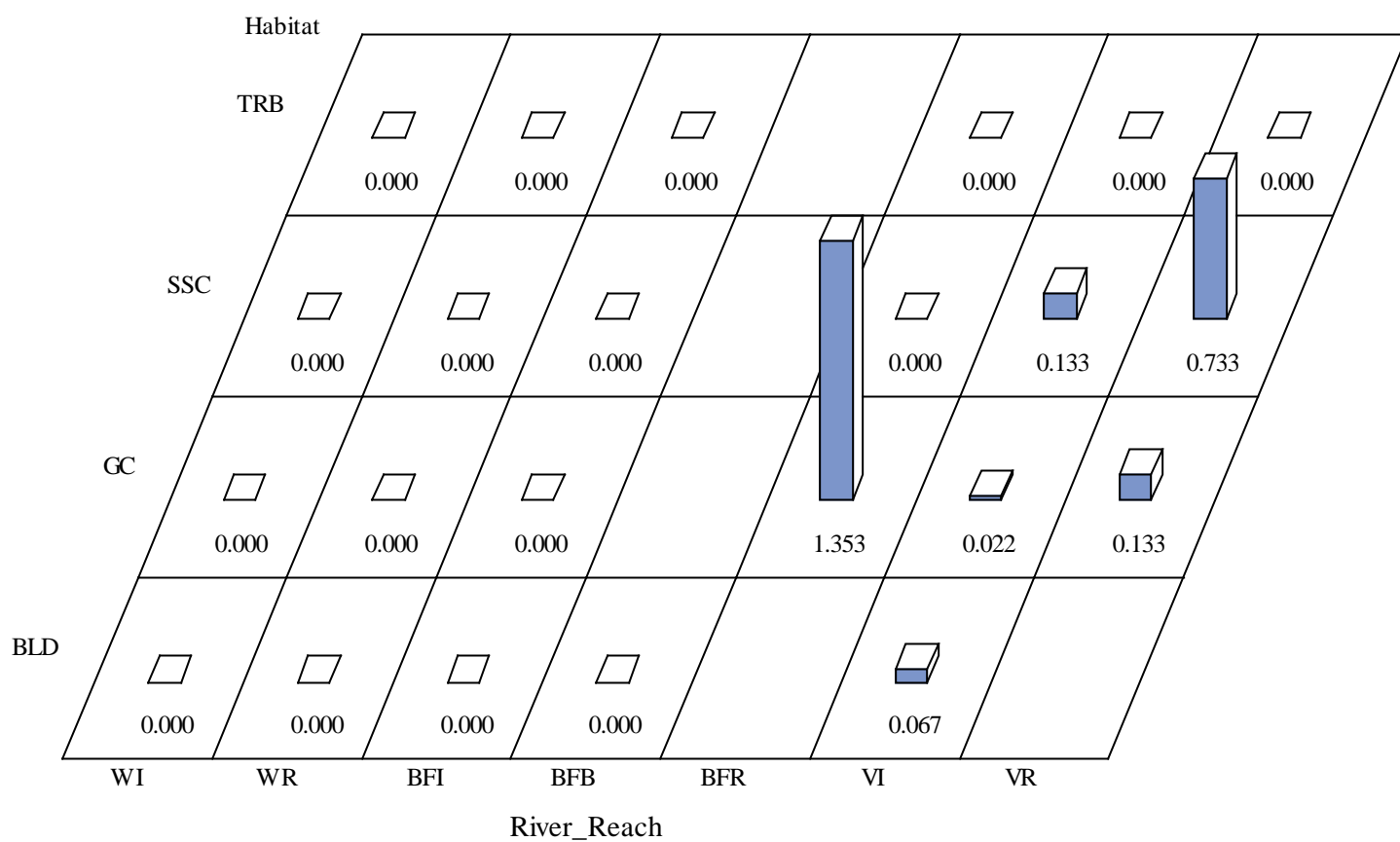
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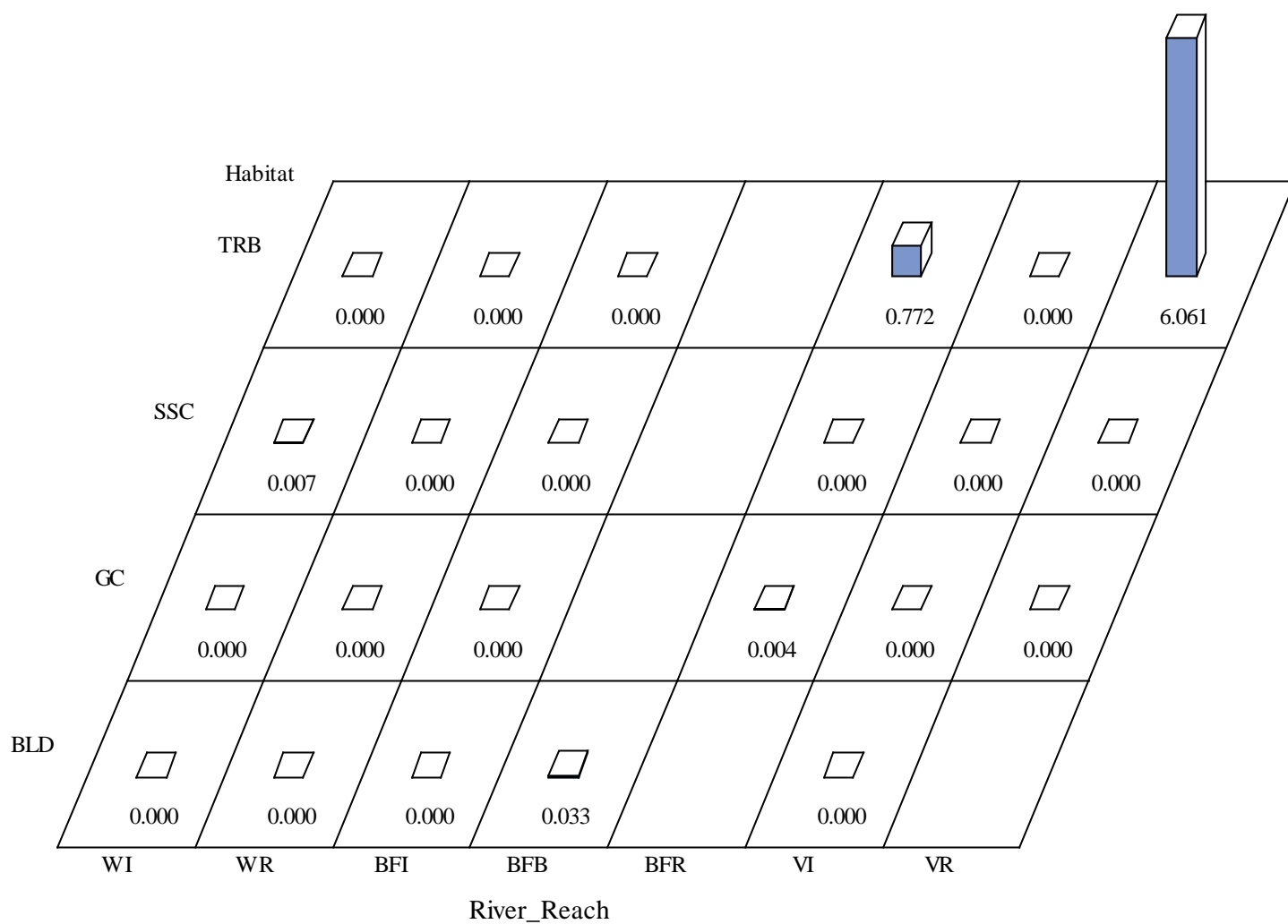
species=American eel season=Fall



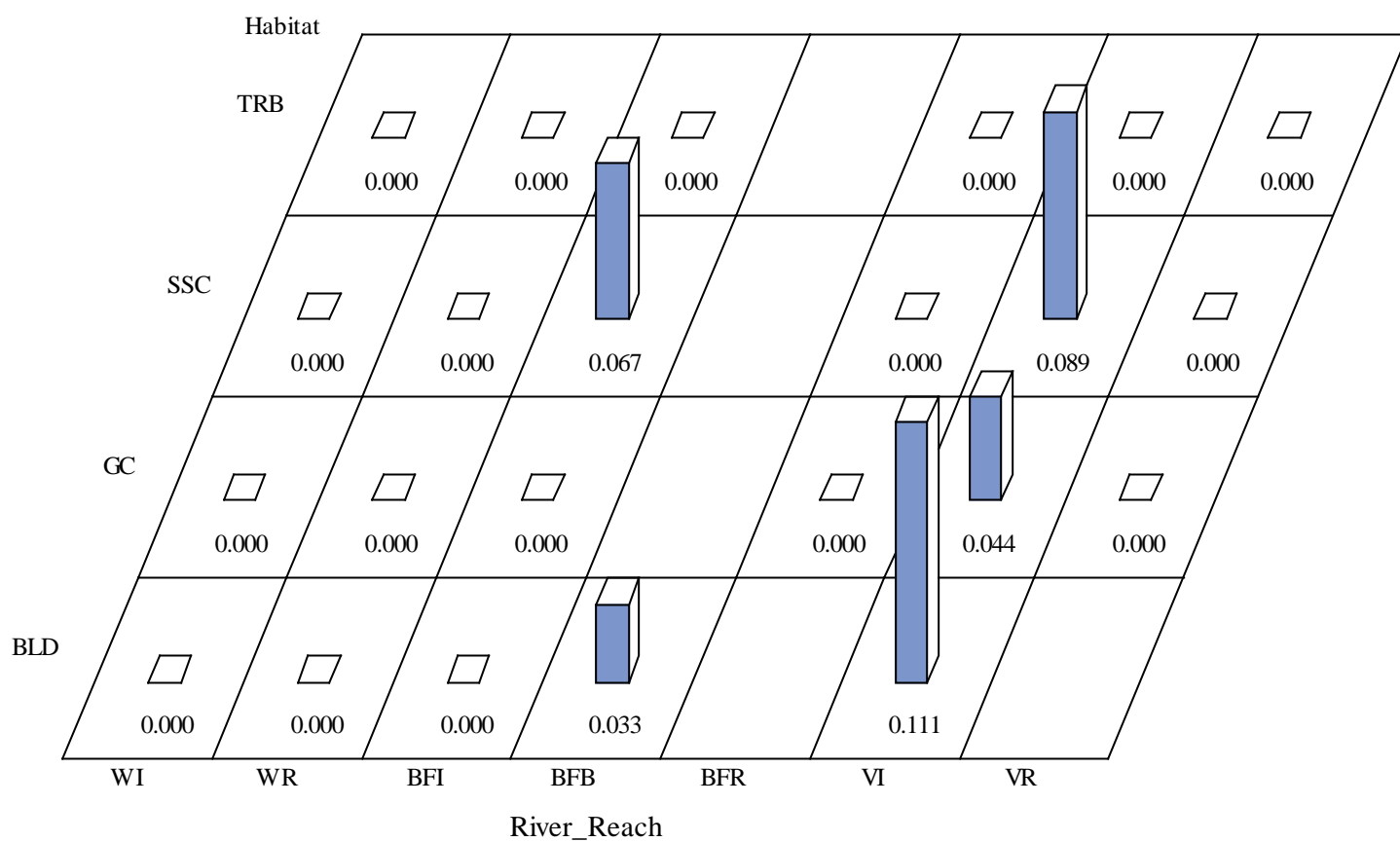
species=American shad season=Fall



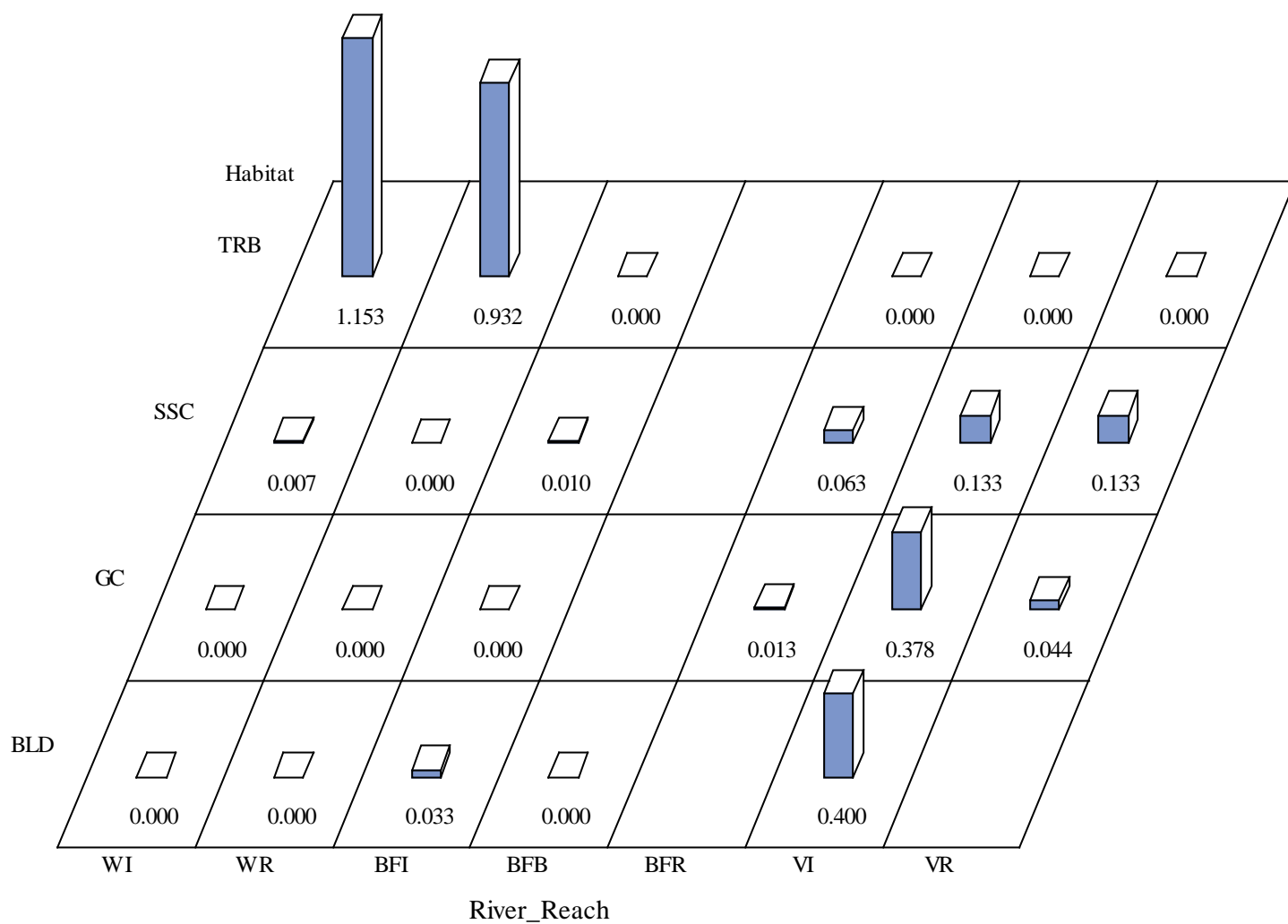
species=Banded killifish season=Fall



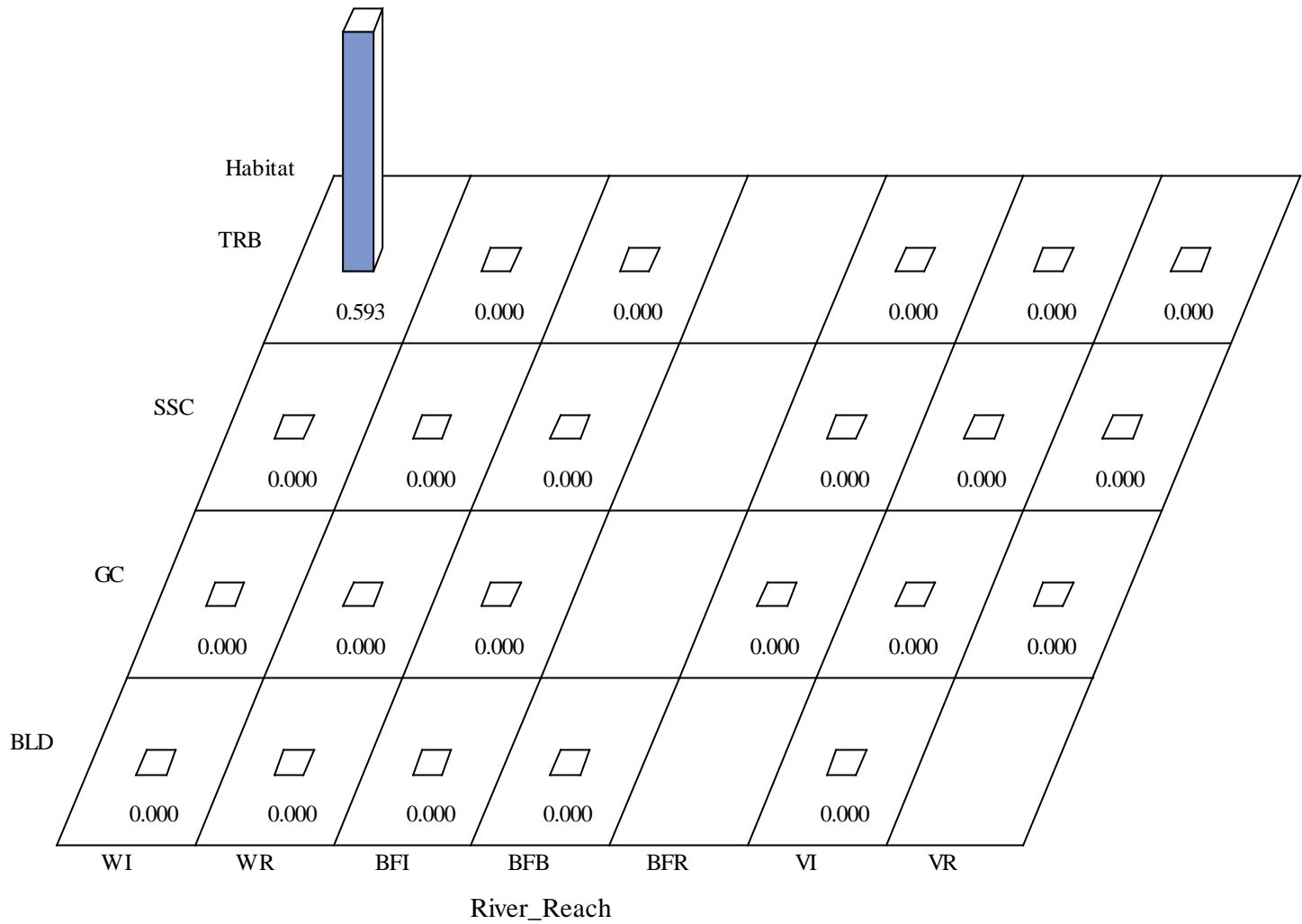
species=Black crappie season=Fall



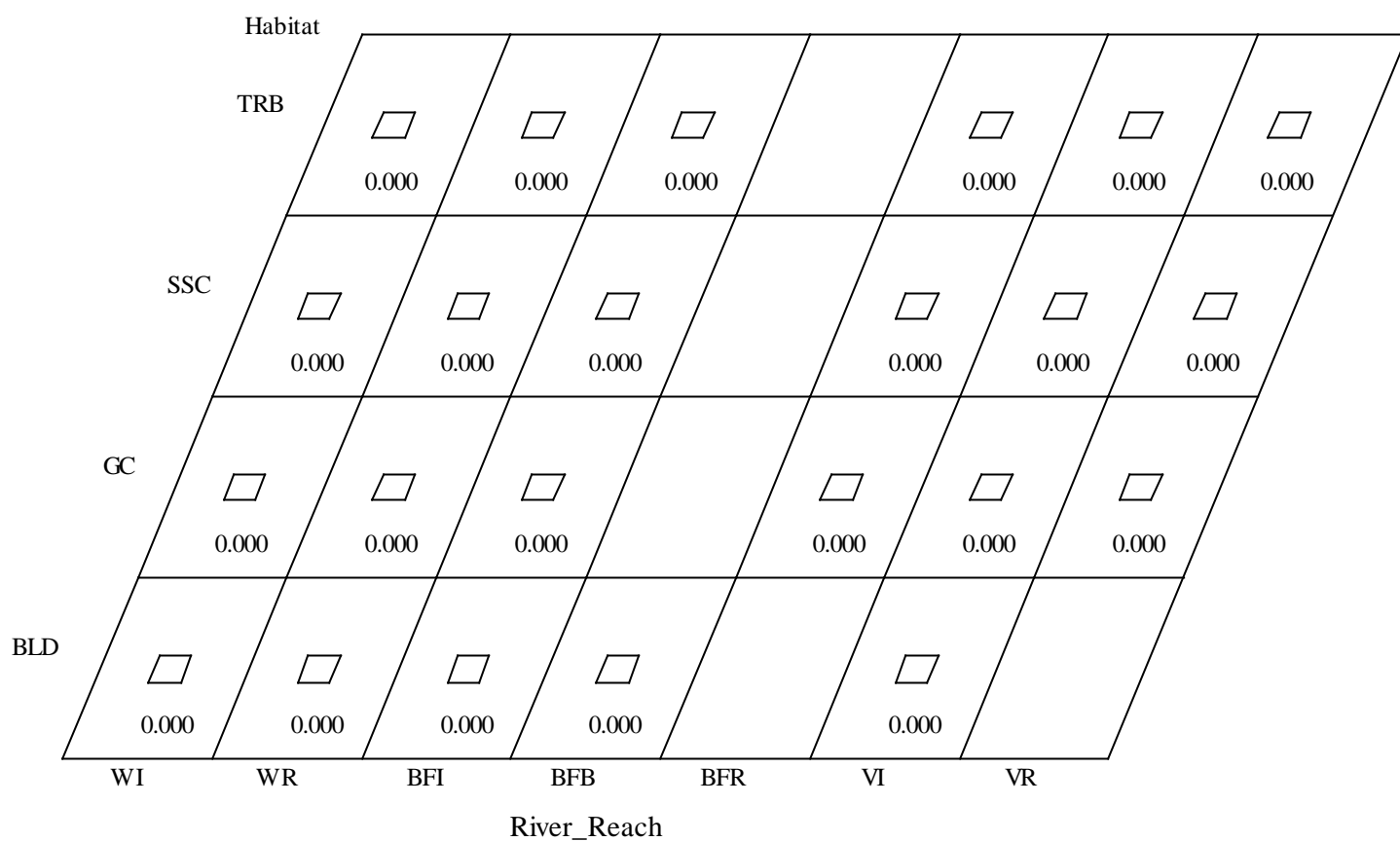
species=Bluegill season=Fall



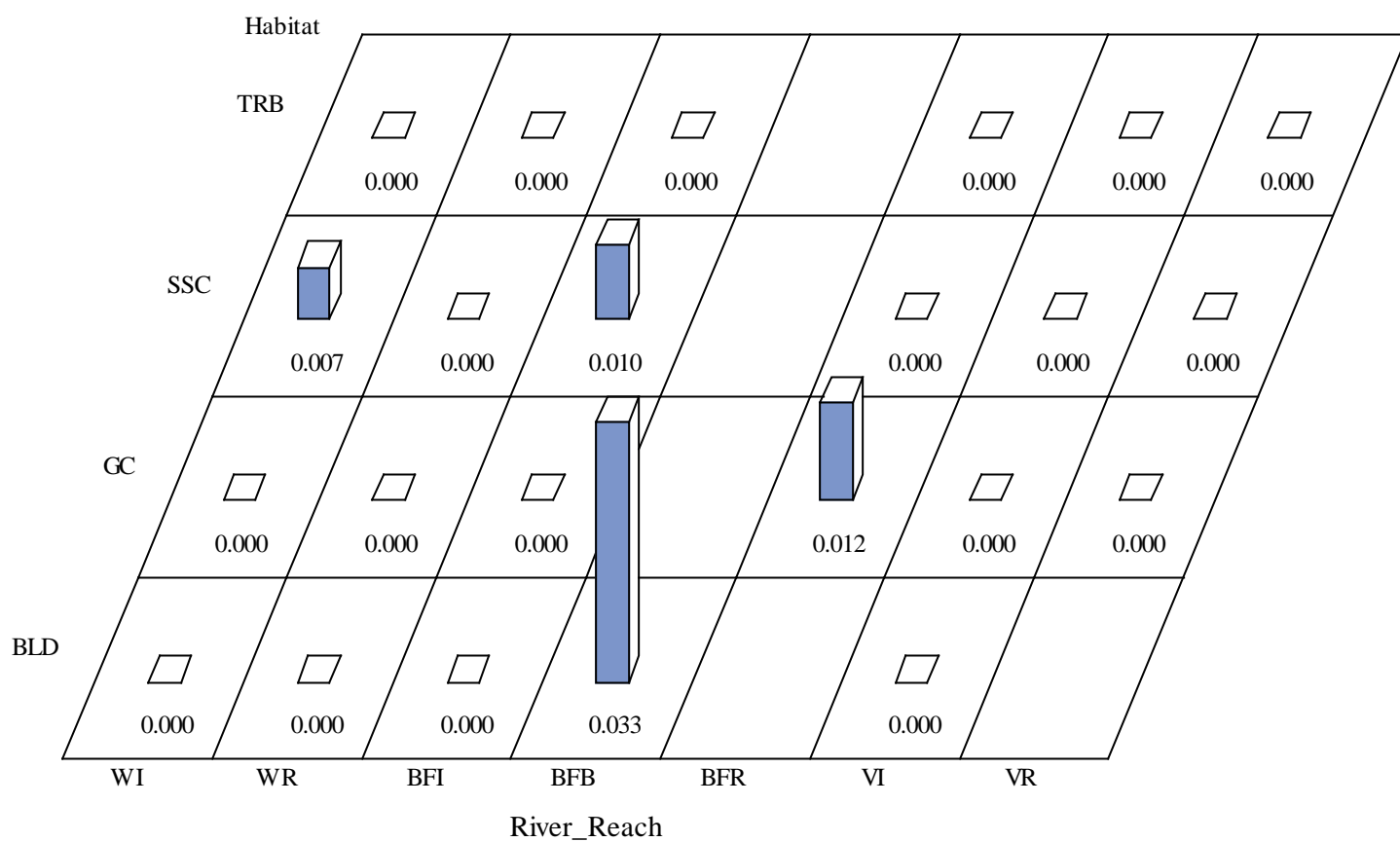
species=Bluntnose minnow season=Fall

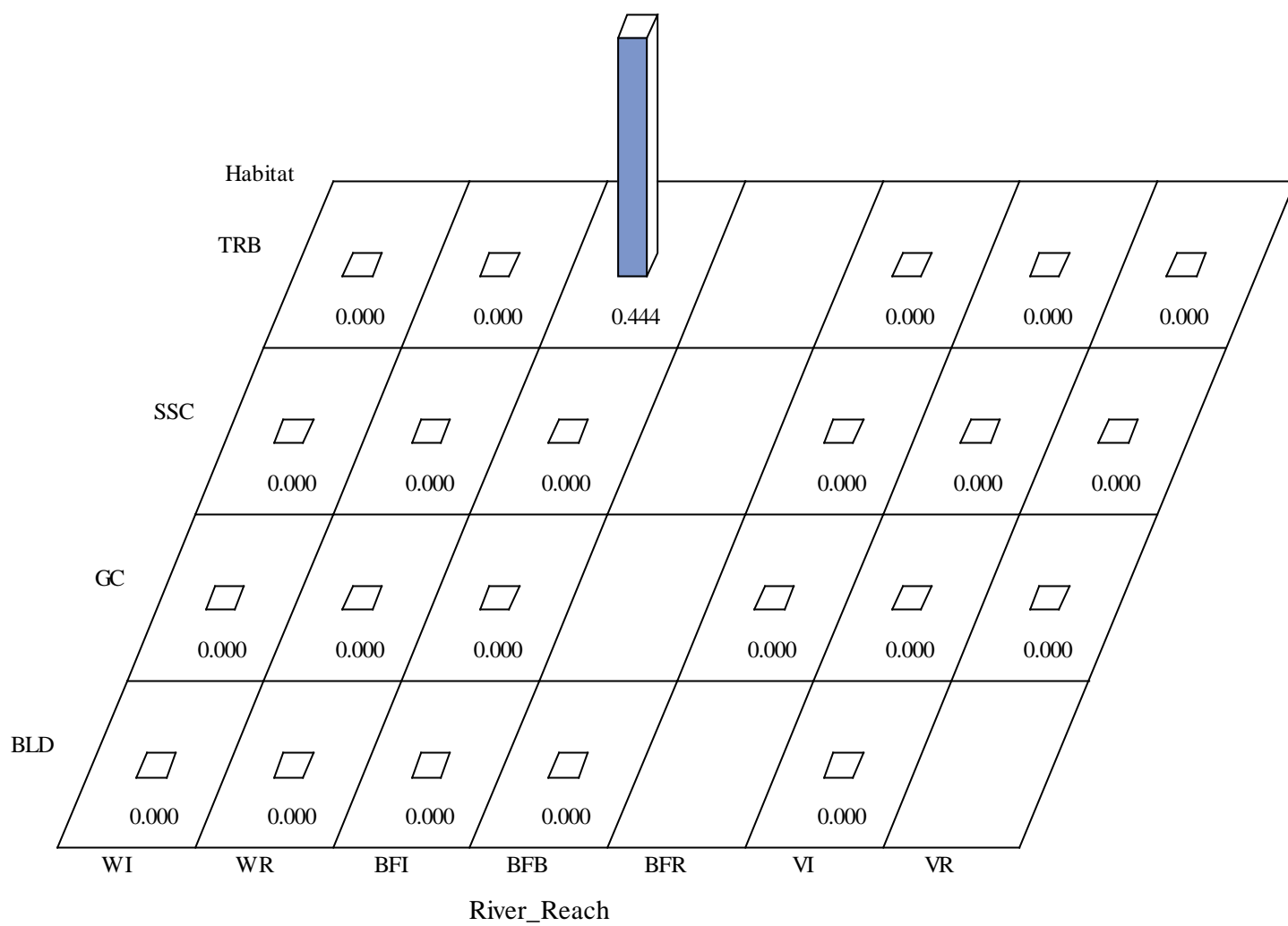


species=Brook trout season=Fall

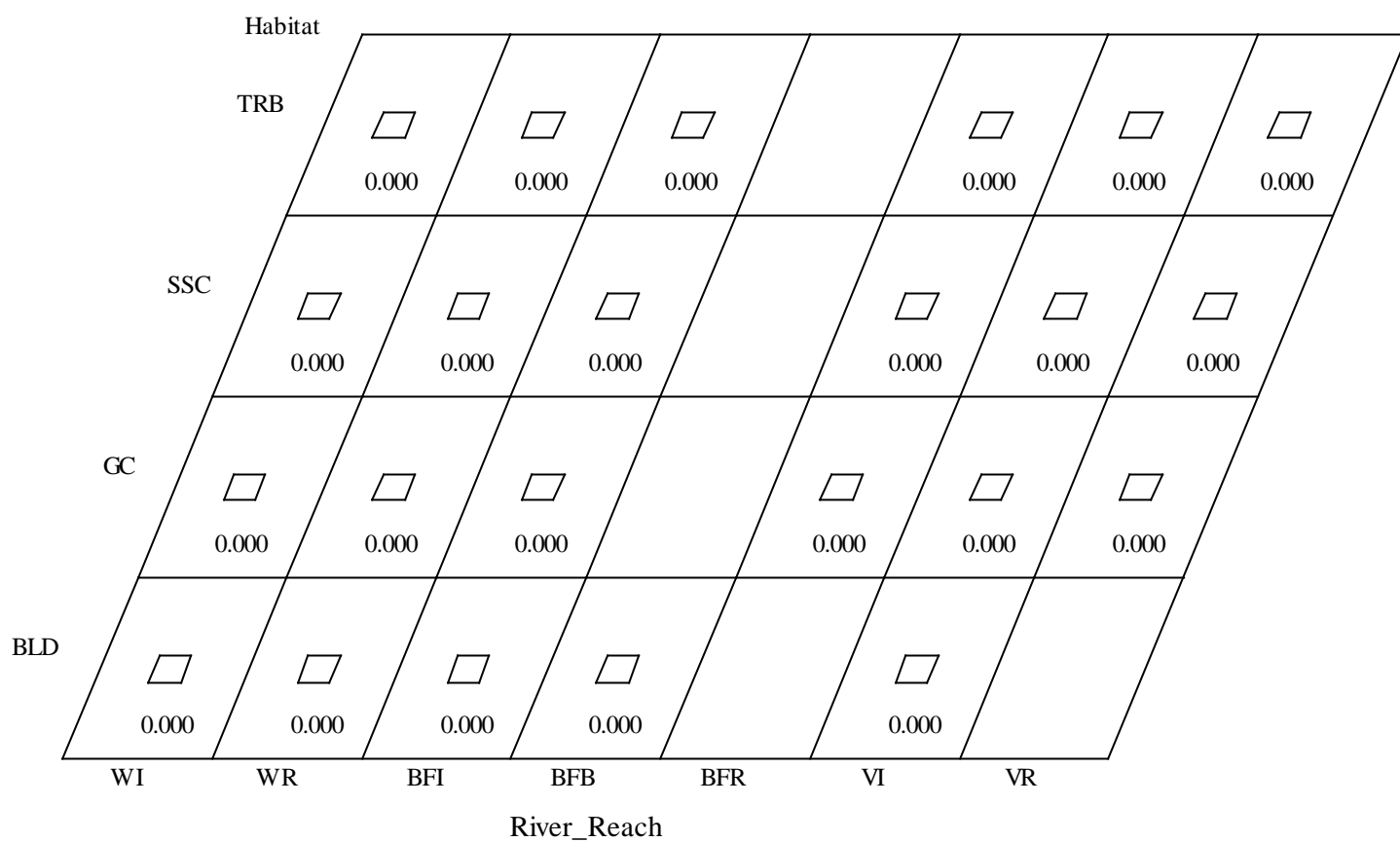


species=Brown bullhead season=Fall

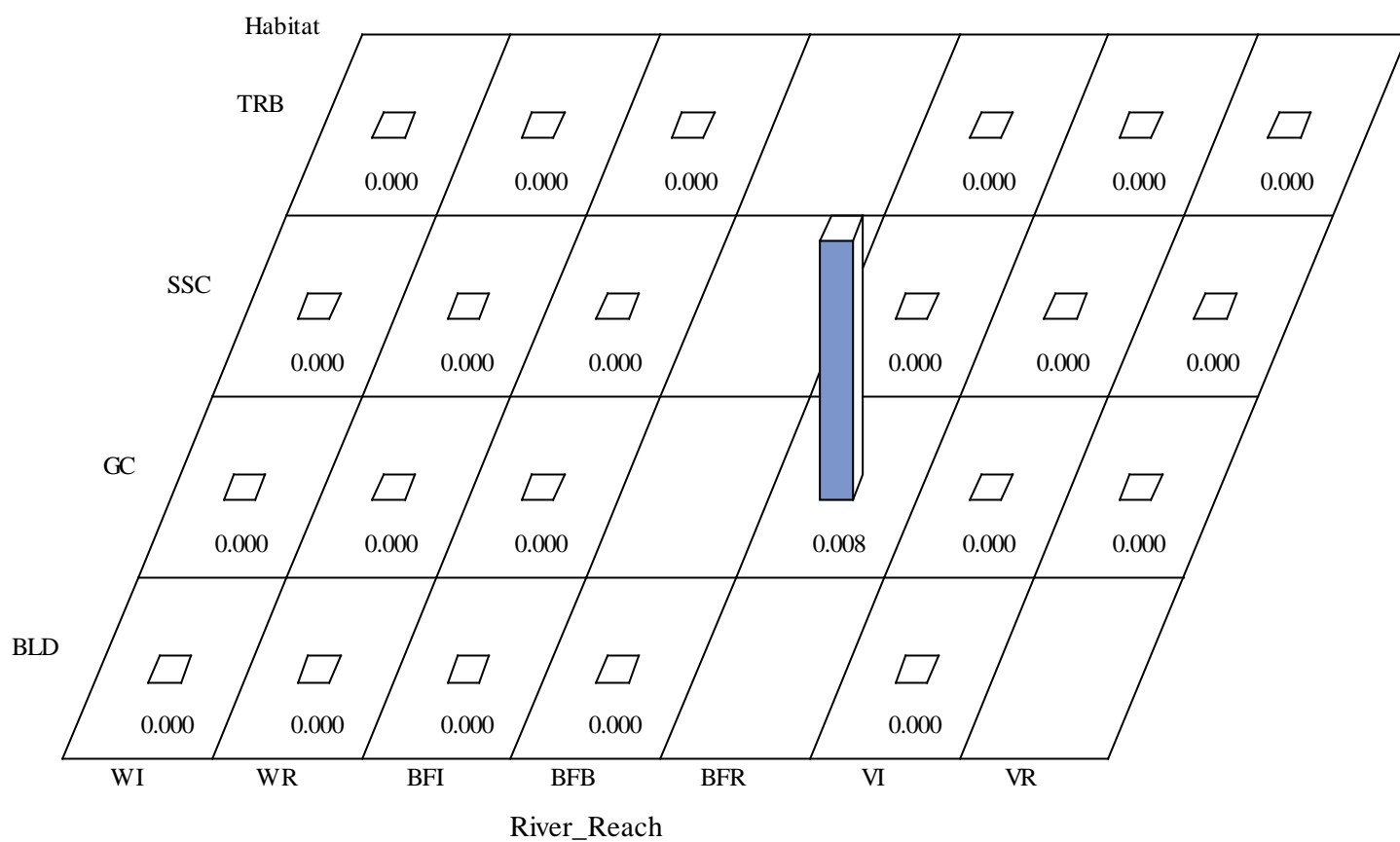




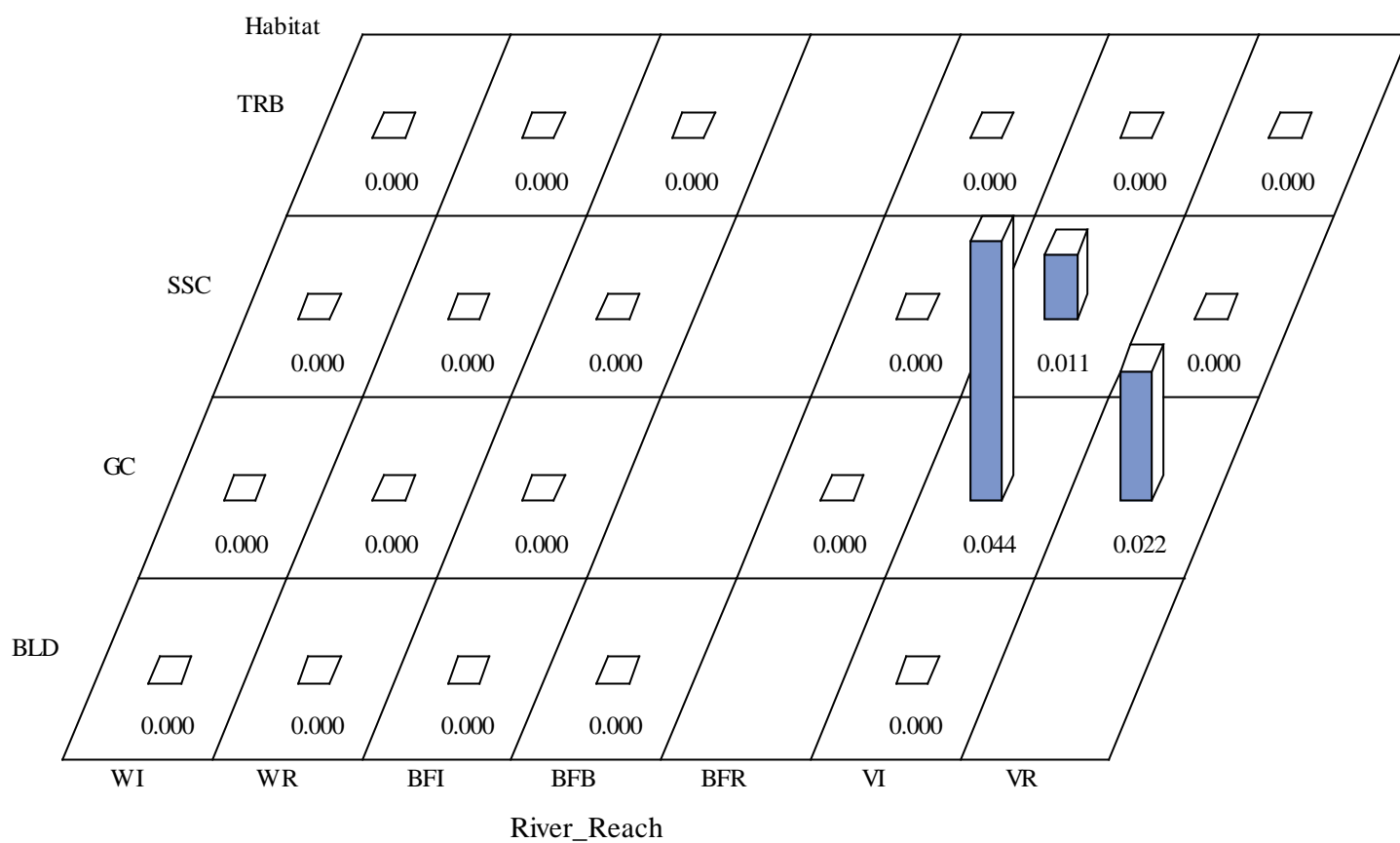
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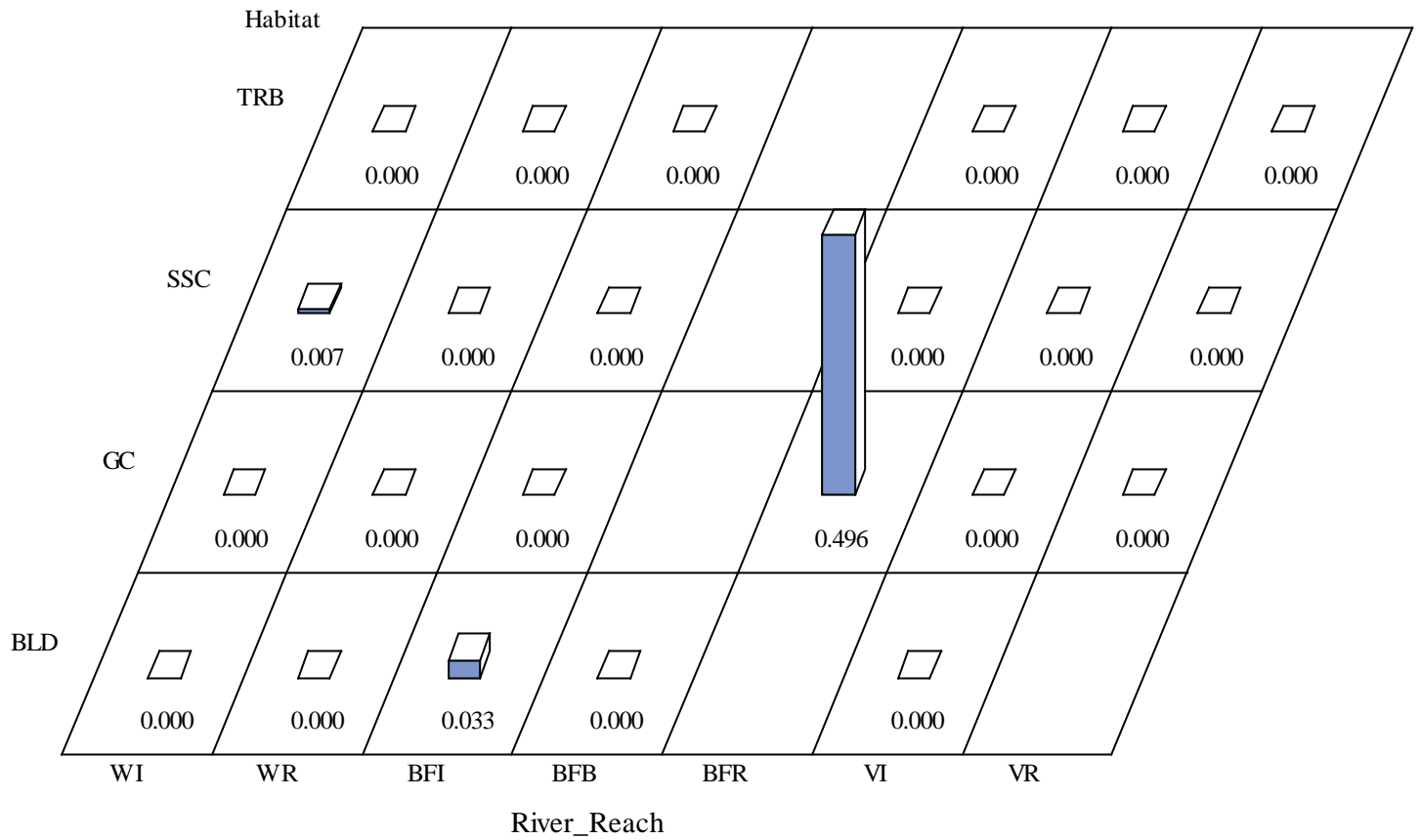
species=Channel catfish season=Fall



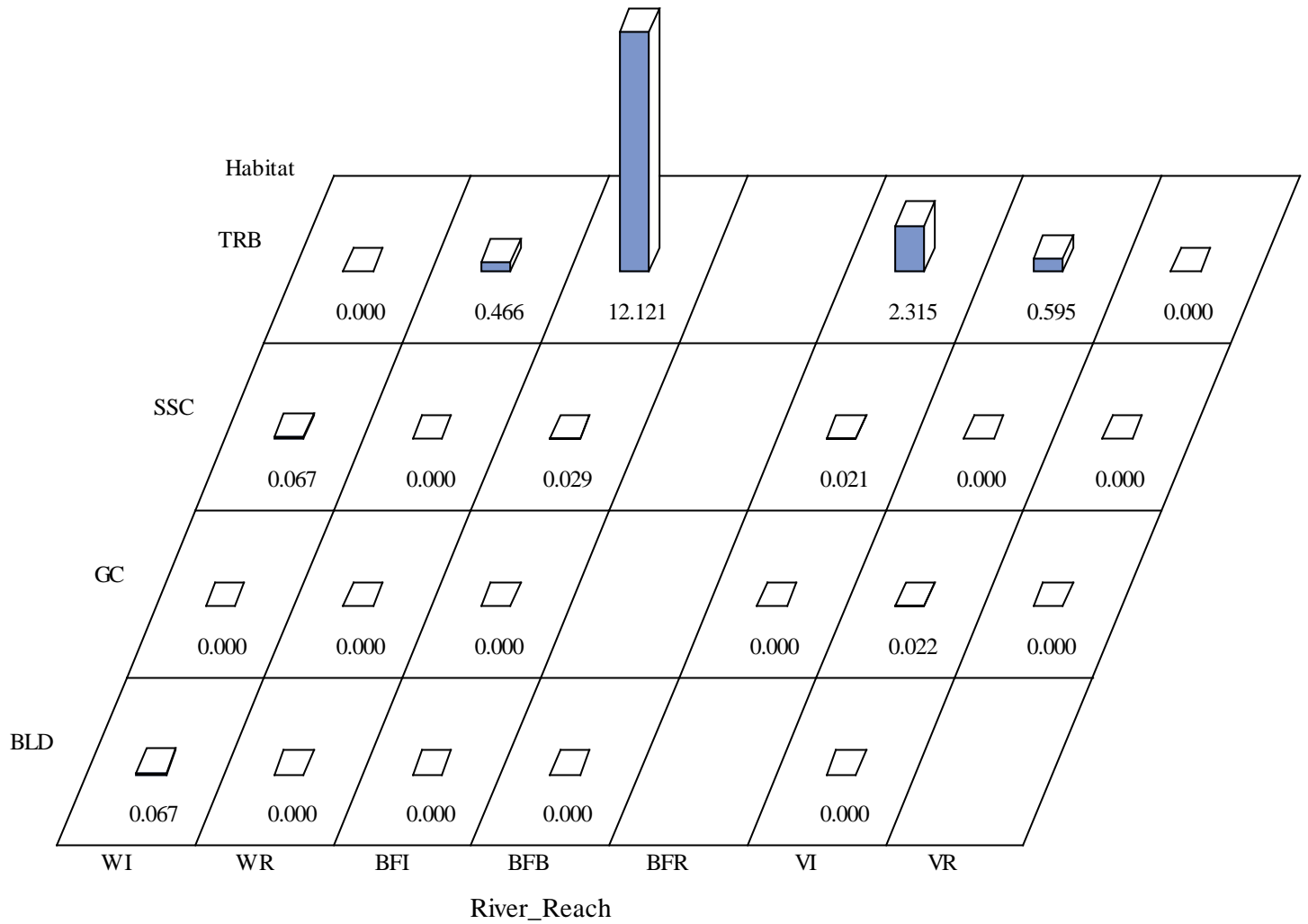
species=Common carp season=Fall



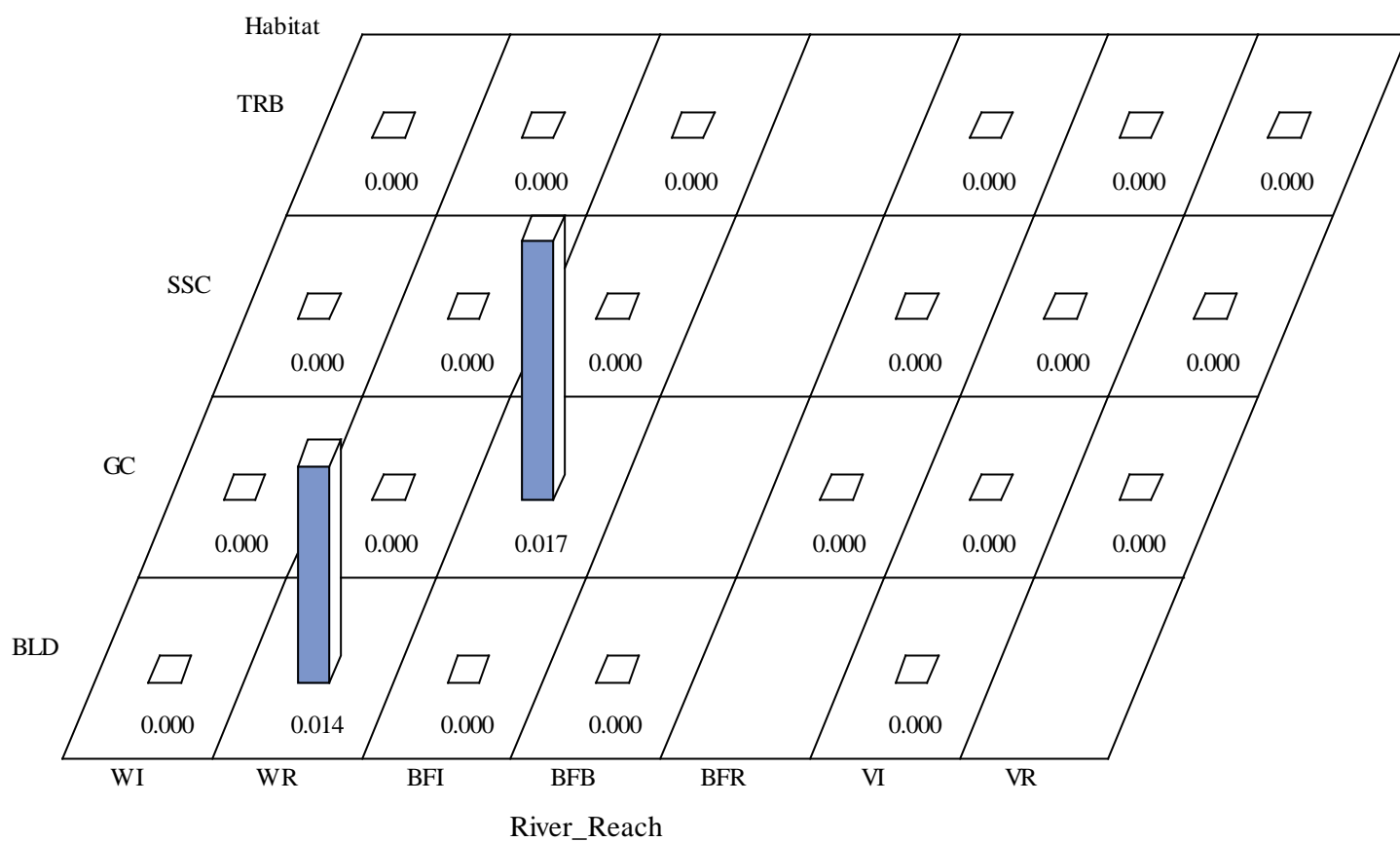
species=Common shiner season=Fall



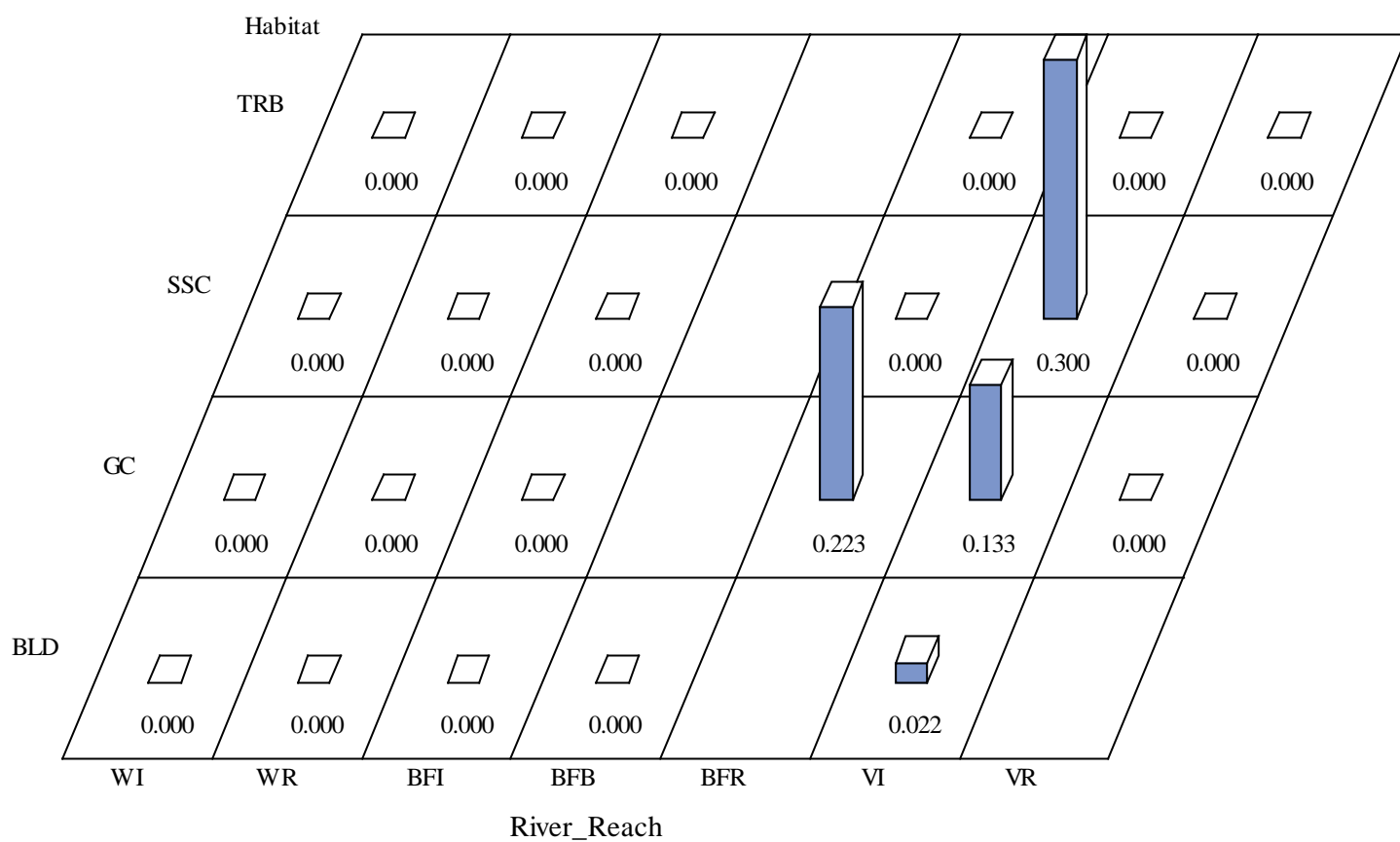
species=Creek chub season=Fall



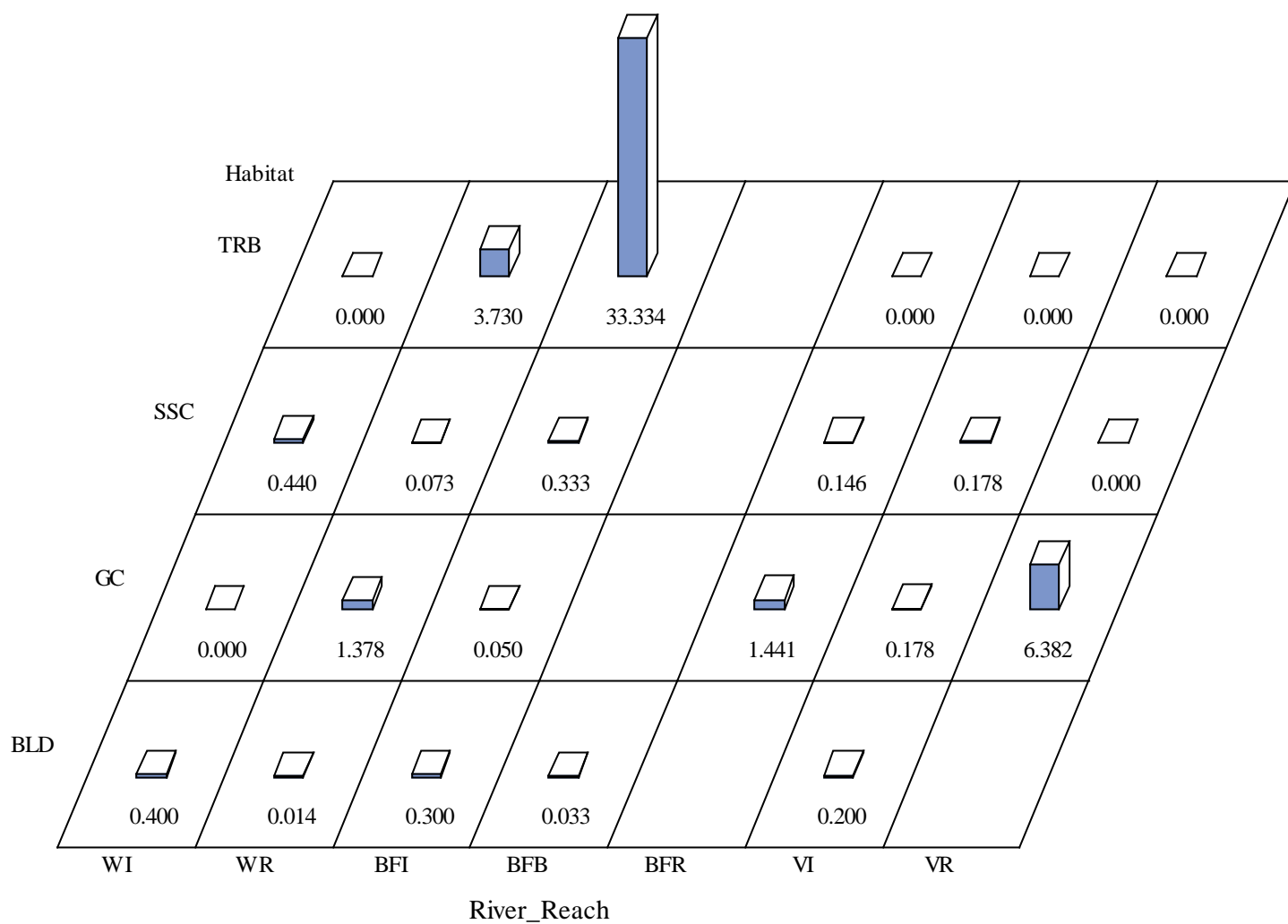
species=Cutlips minnow season=Fall



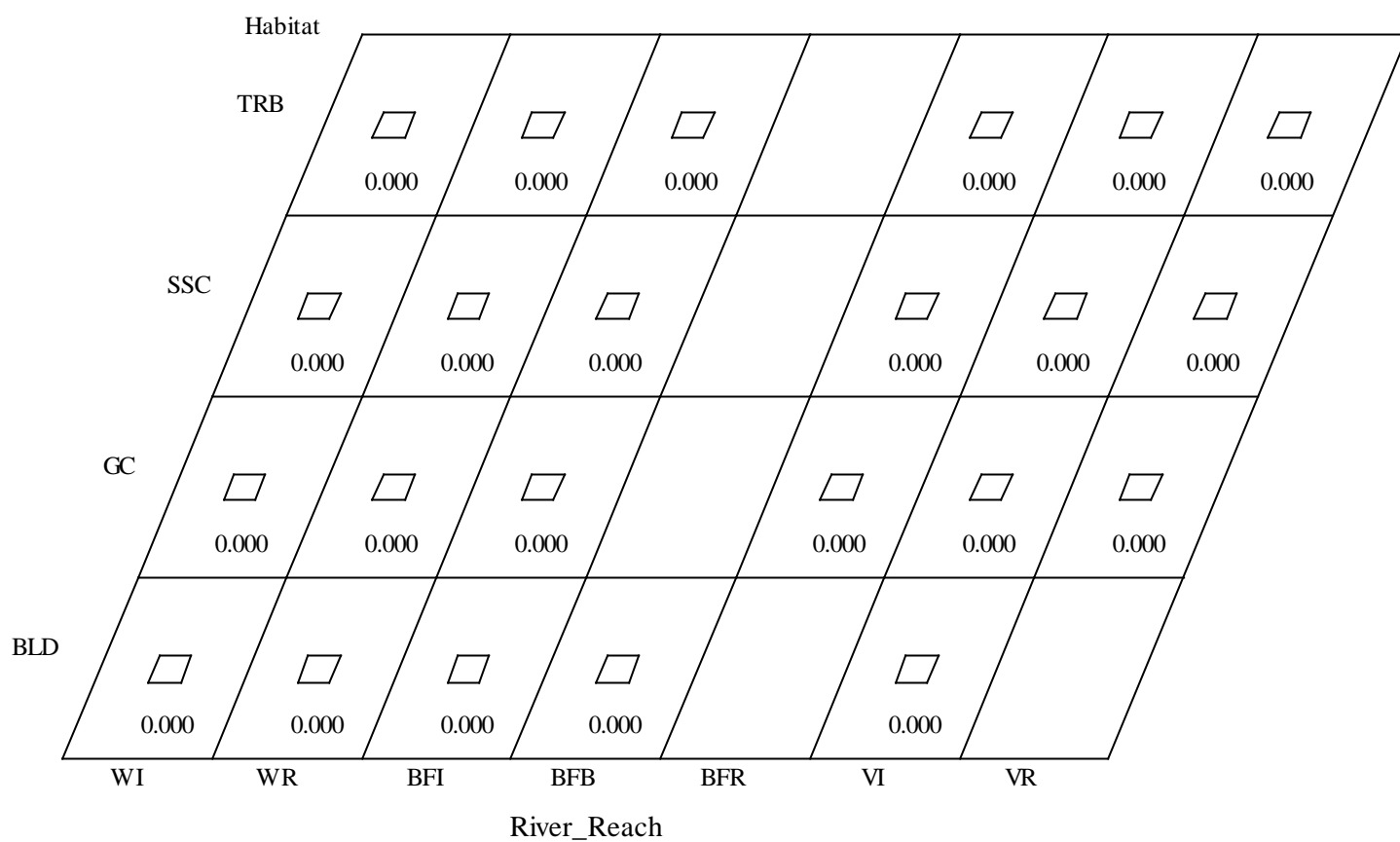
species=Eastern silvery minnow season=Fall



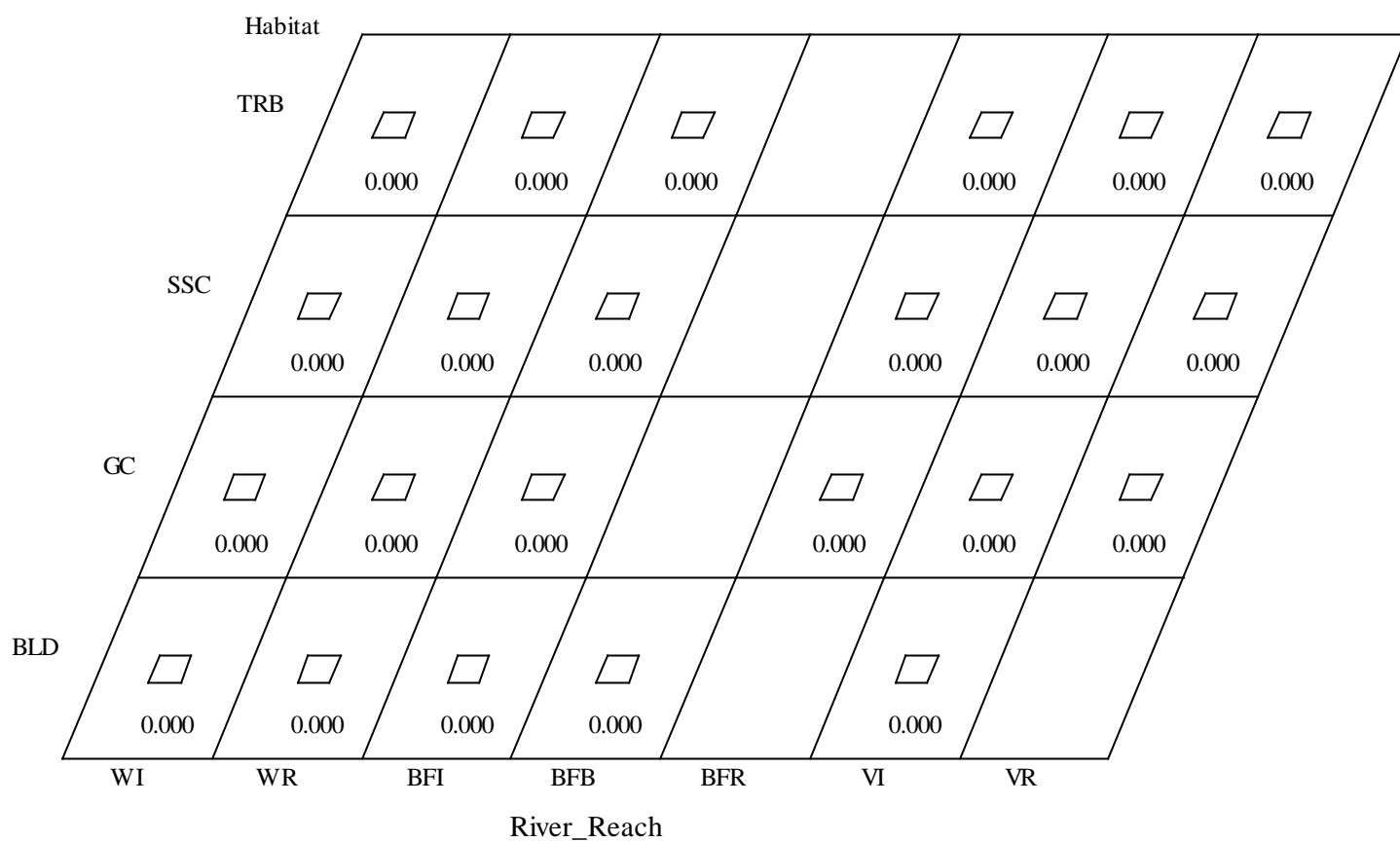
species=Fallfish season=Fall



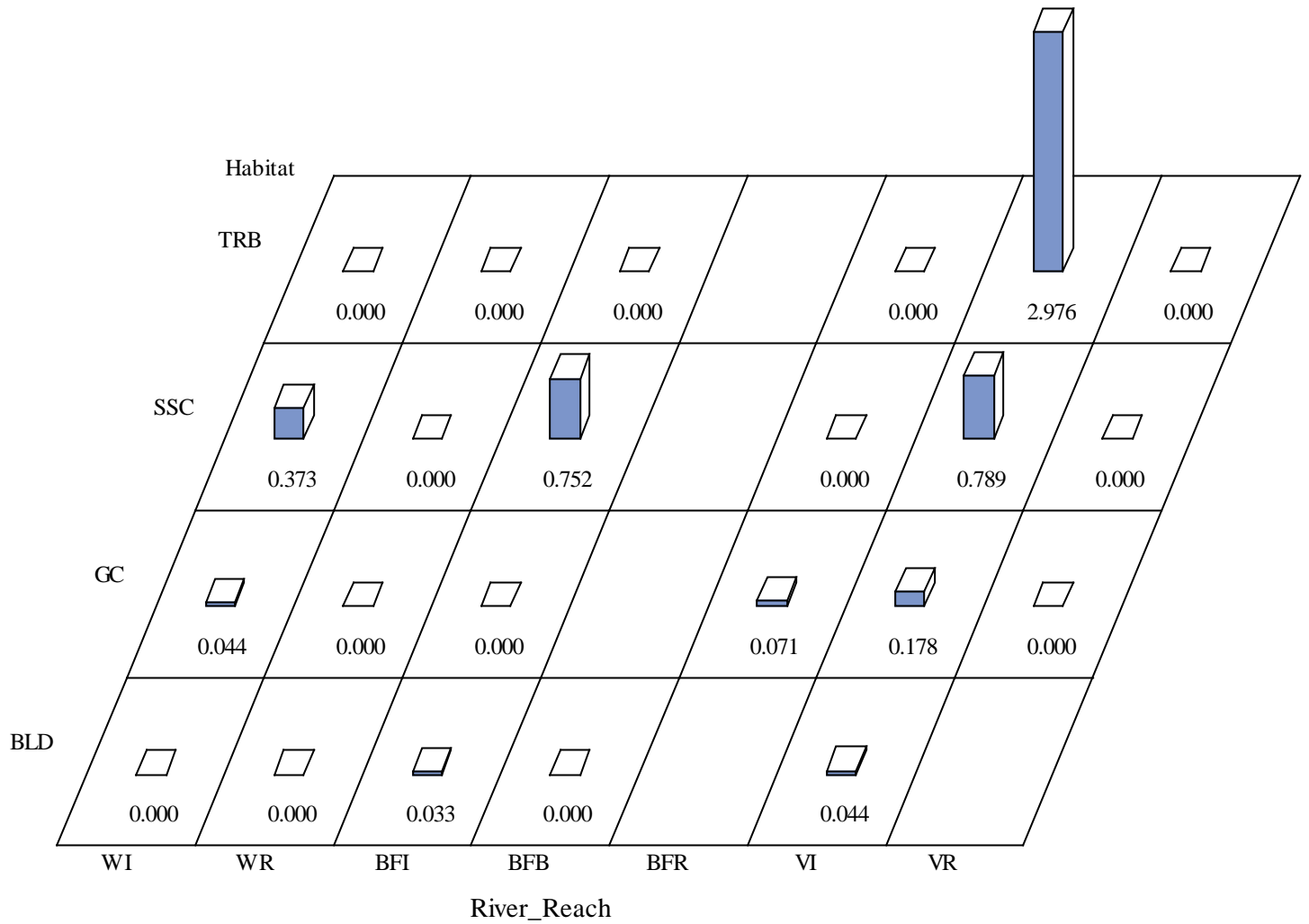
species=Fathead minnow season=Fall



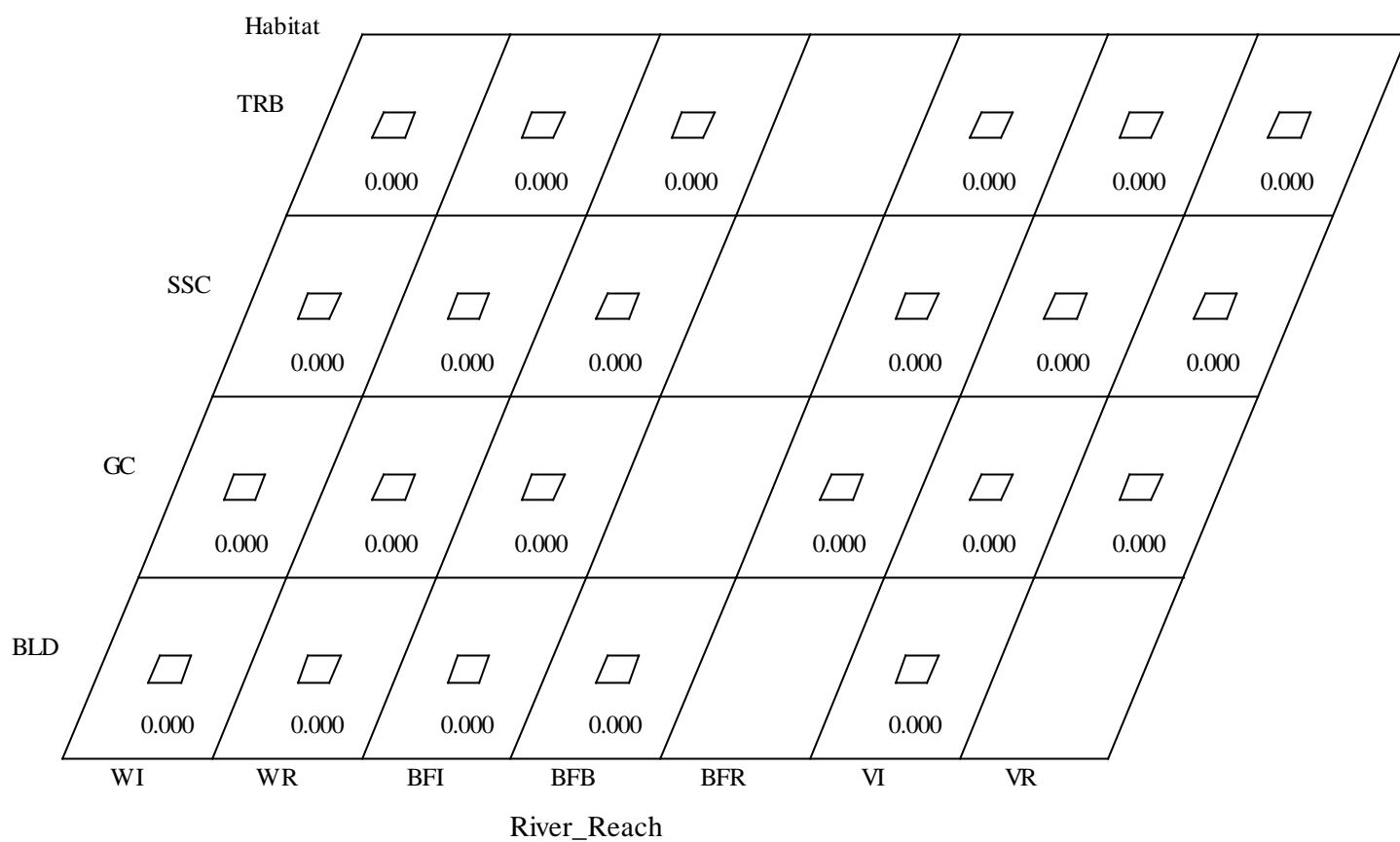
species=Finescale dace season=Fall



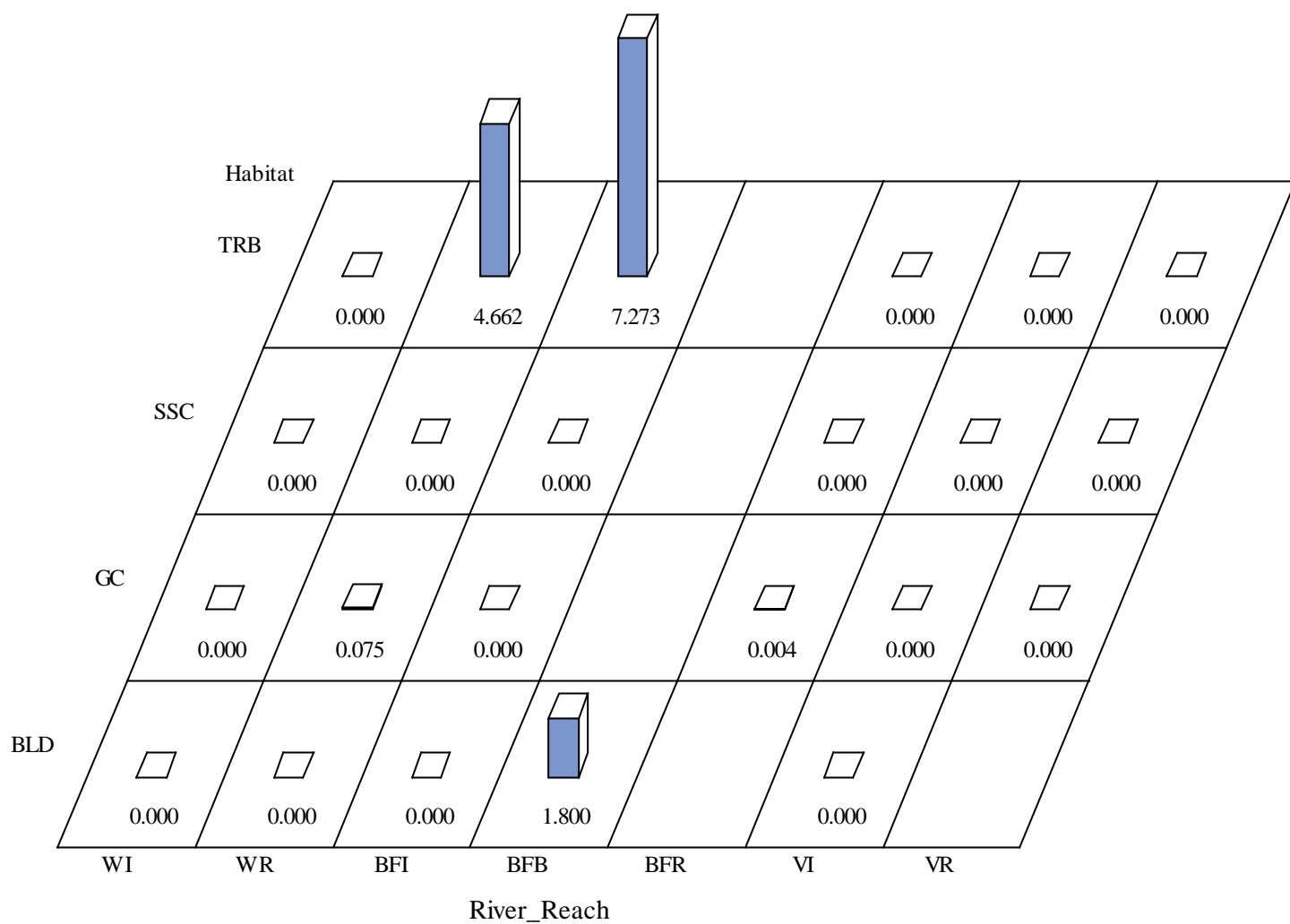
species=Golden shiner season=Fall



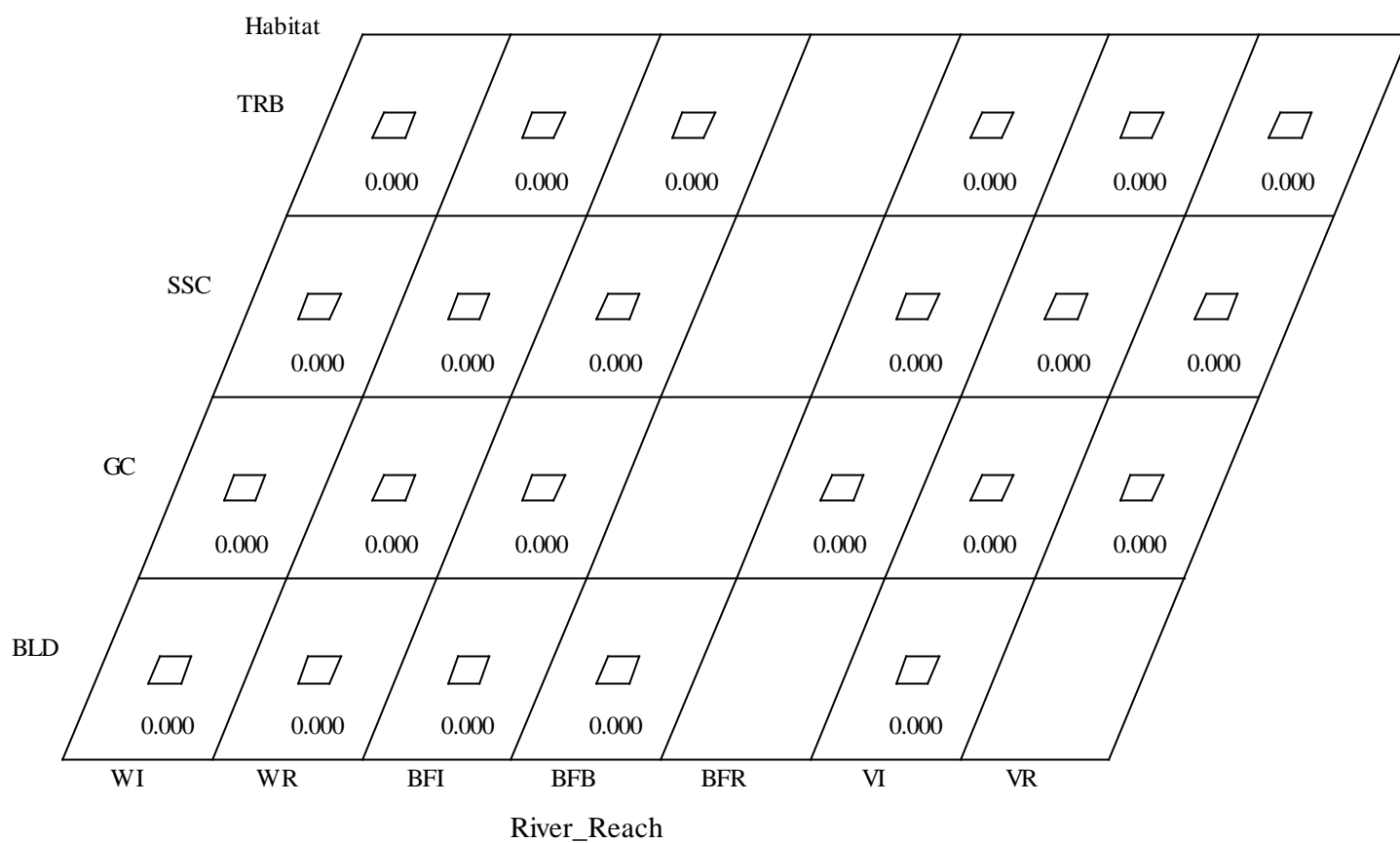
species=Lake chub season=Fall



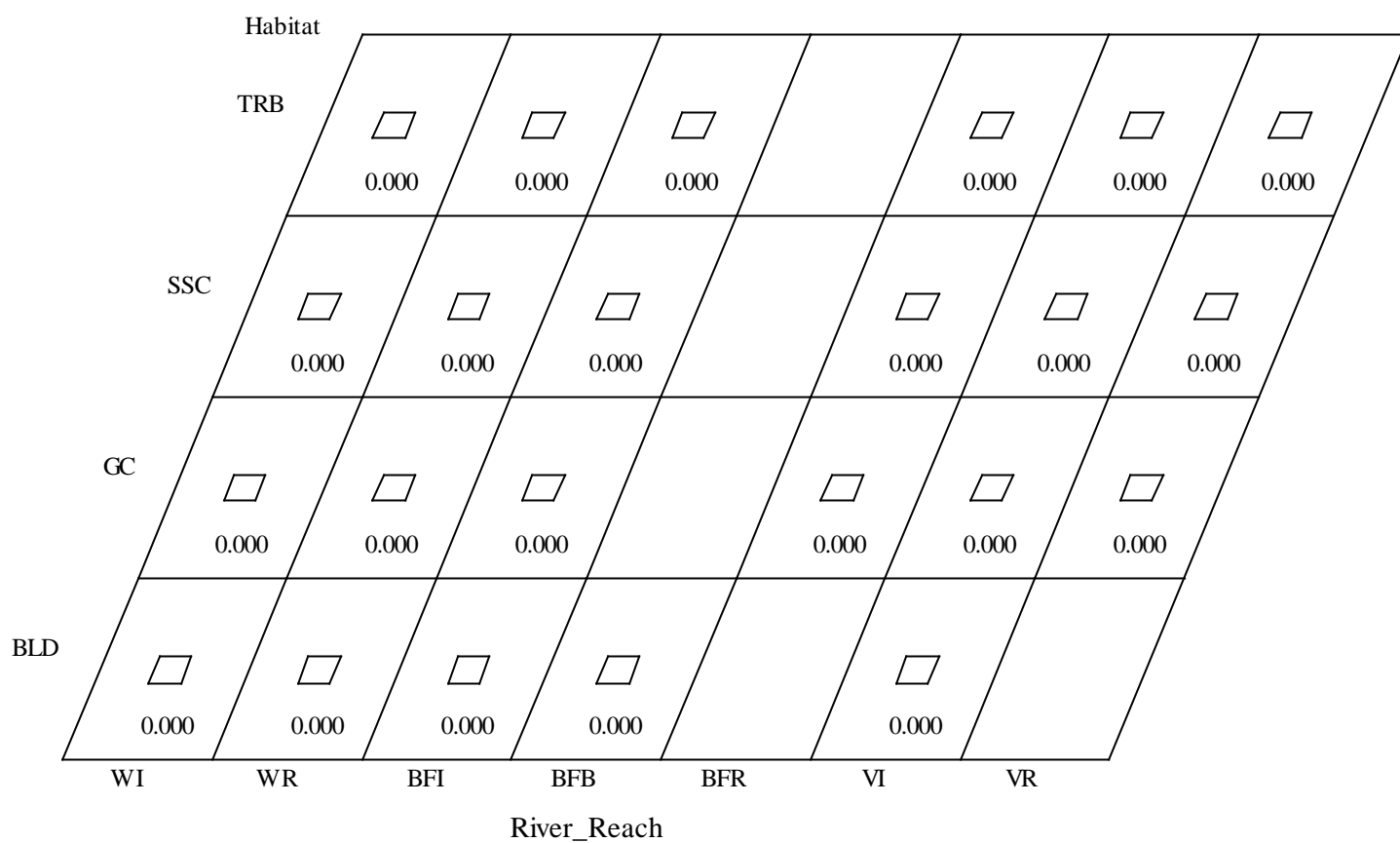
species=Longnose dace season=Fall



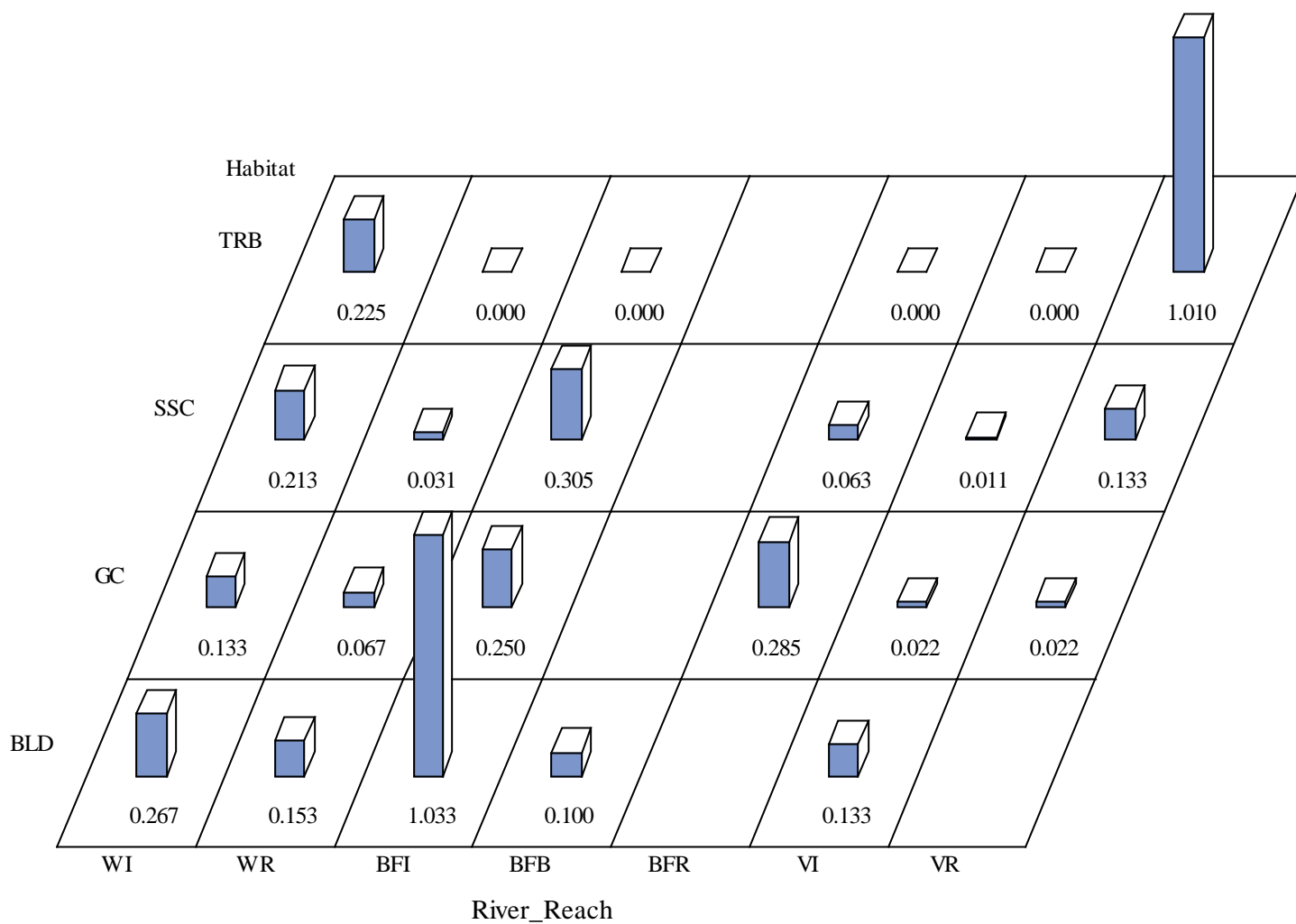
species=Longnose sucker season=Fall



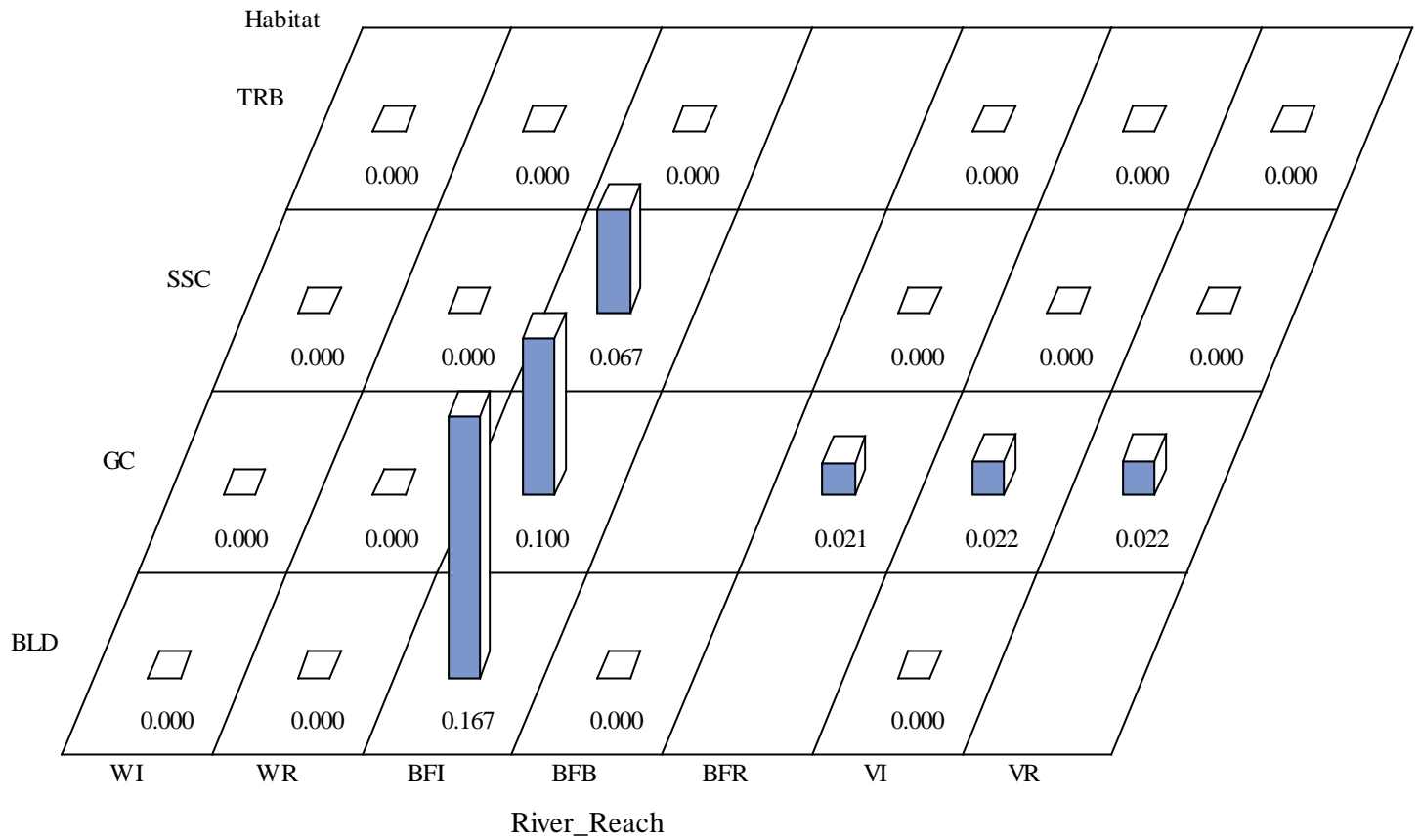
species=Mimic shiner season=Fall



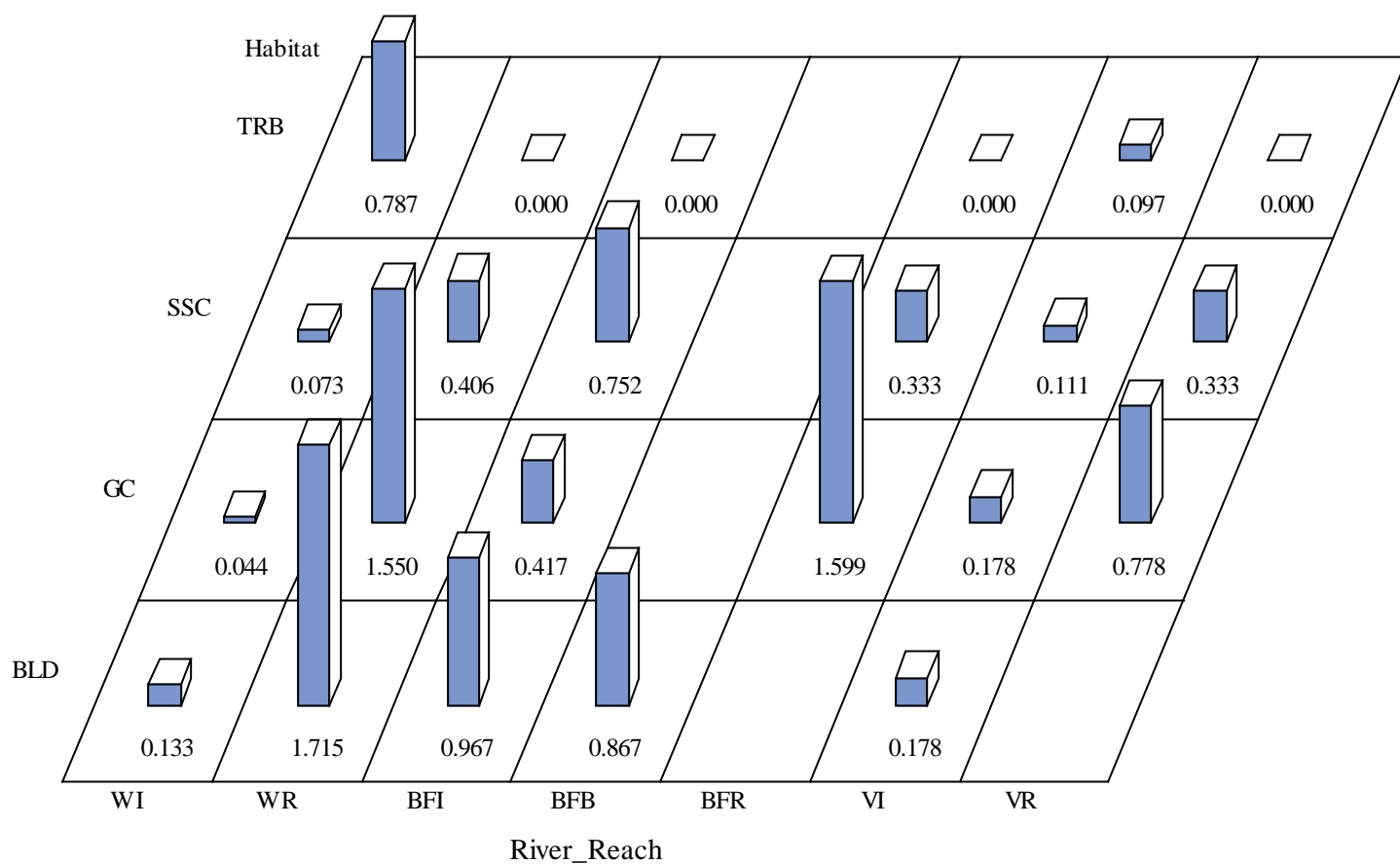
species=Rock bass season=Fall



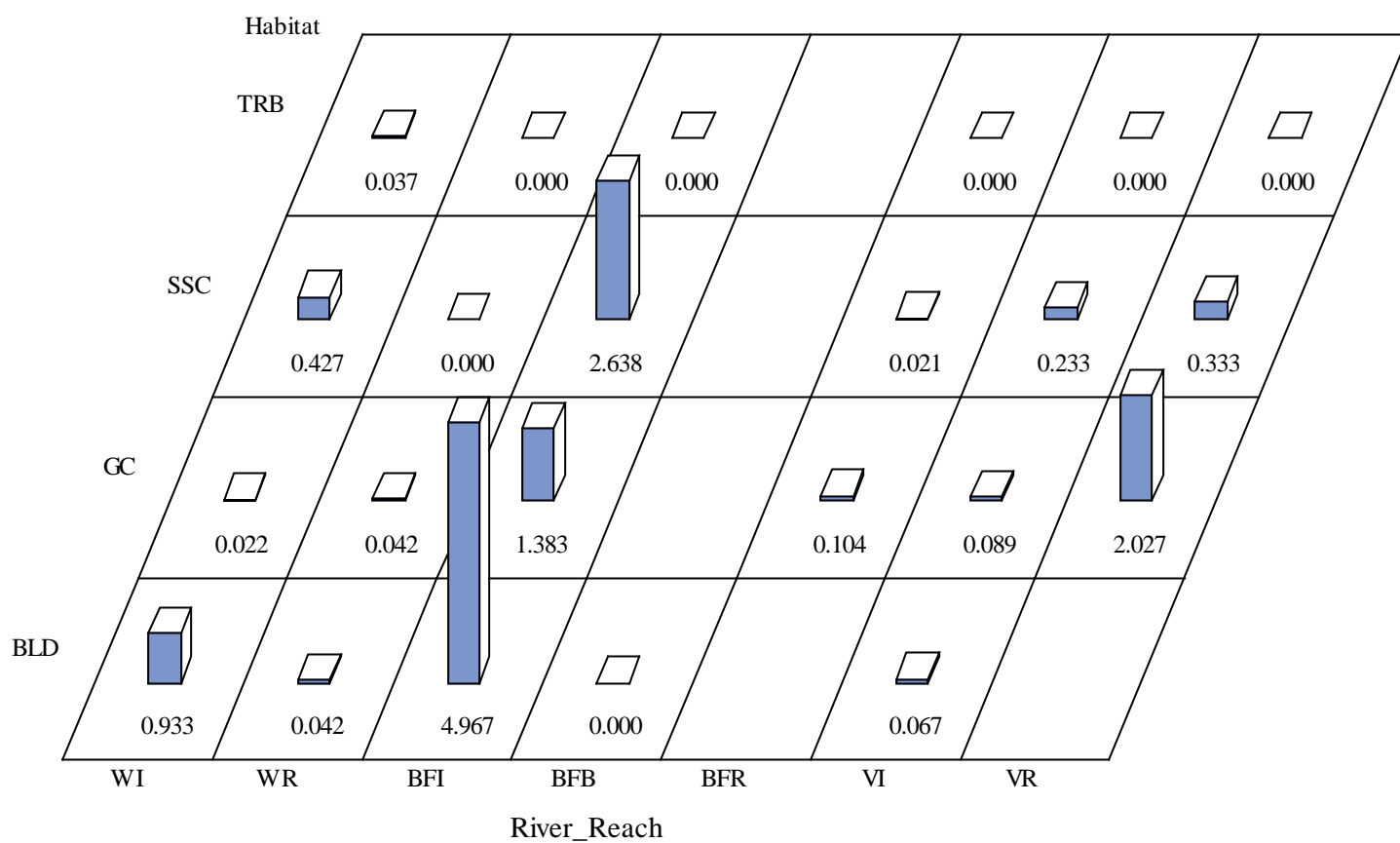
species=Rosyface shiner season=Fall



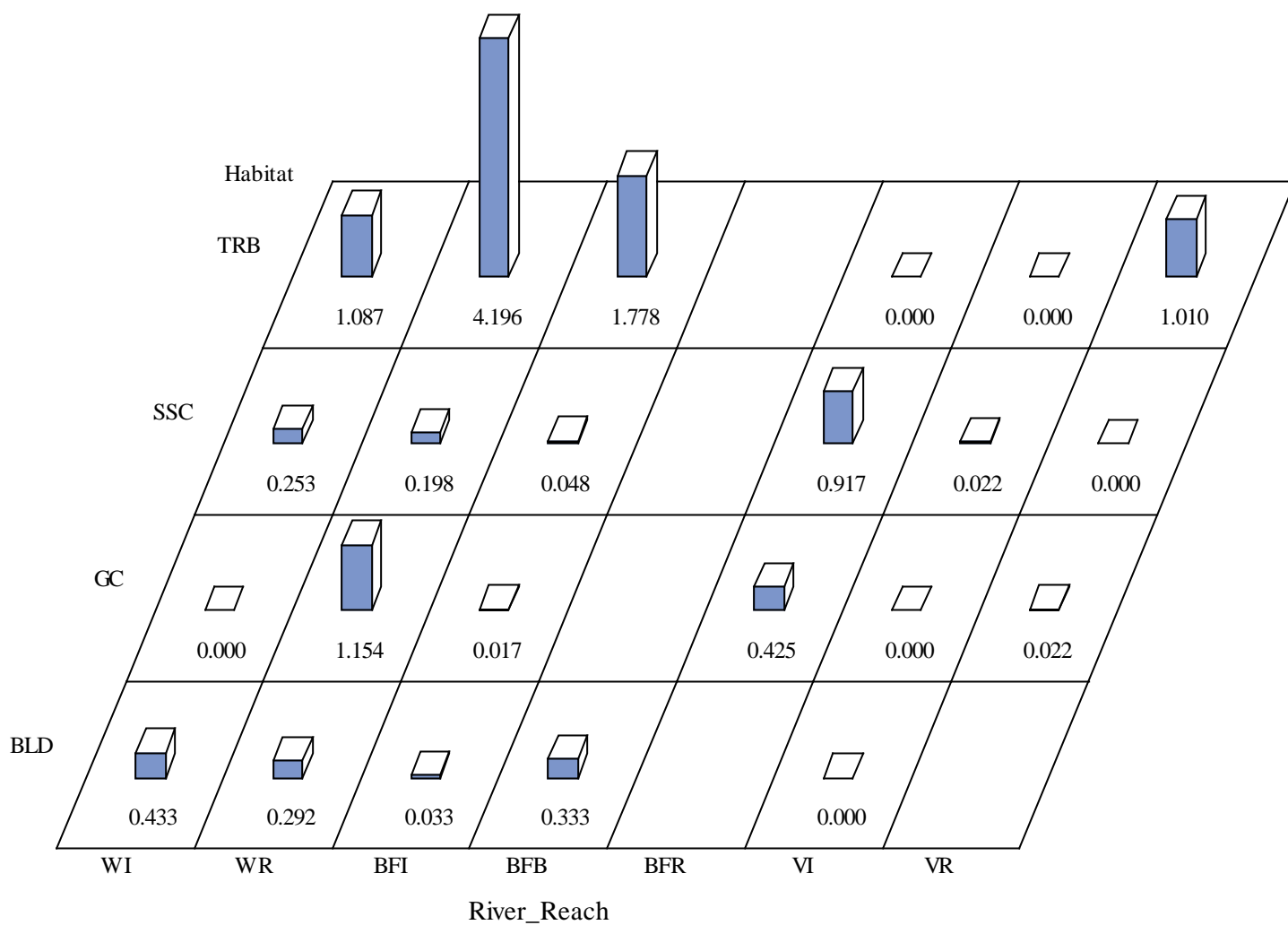
species=Smallmouth bass season=Fall



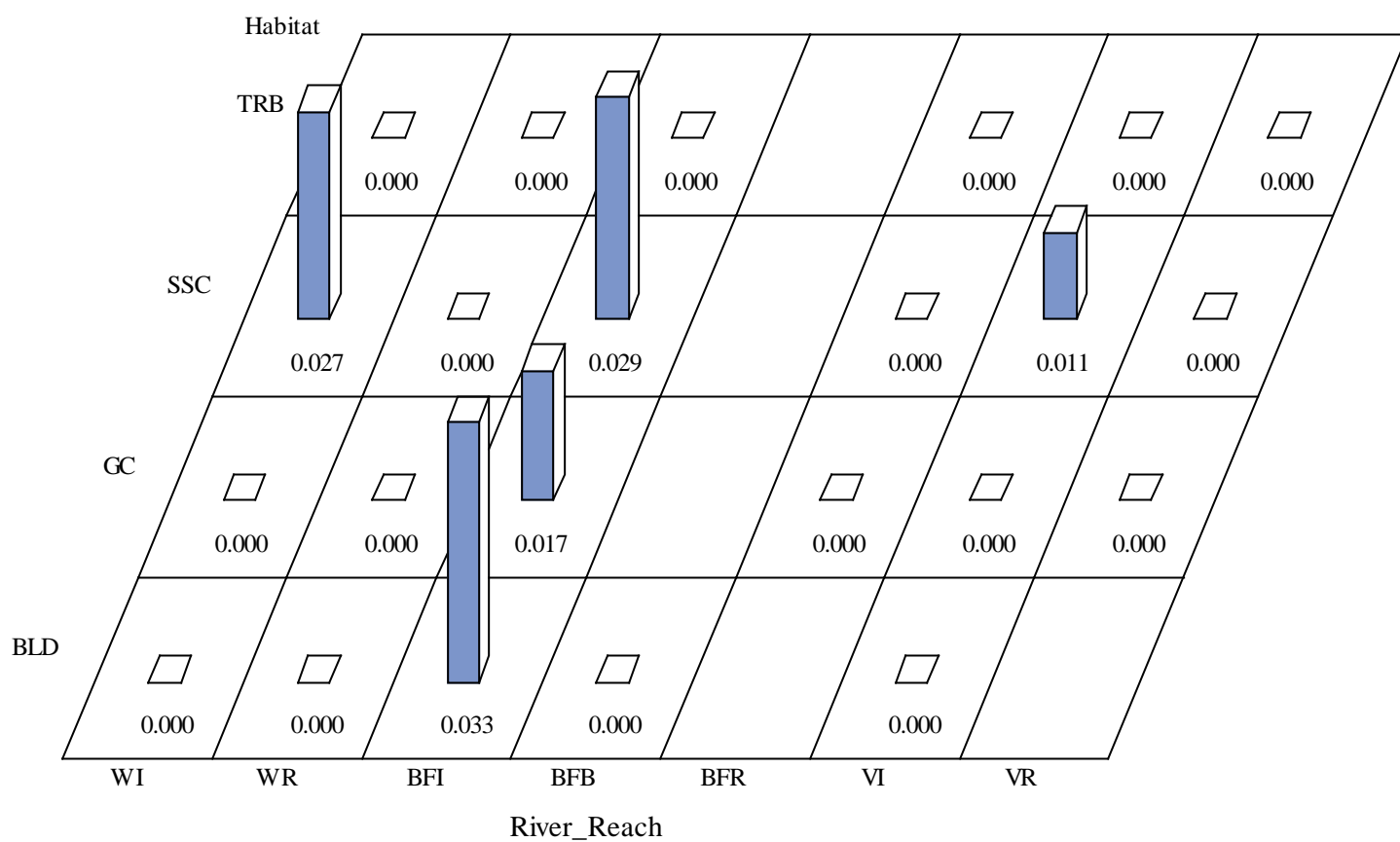
species=Spottail shiner season=Fall



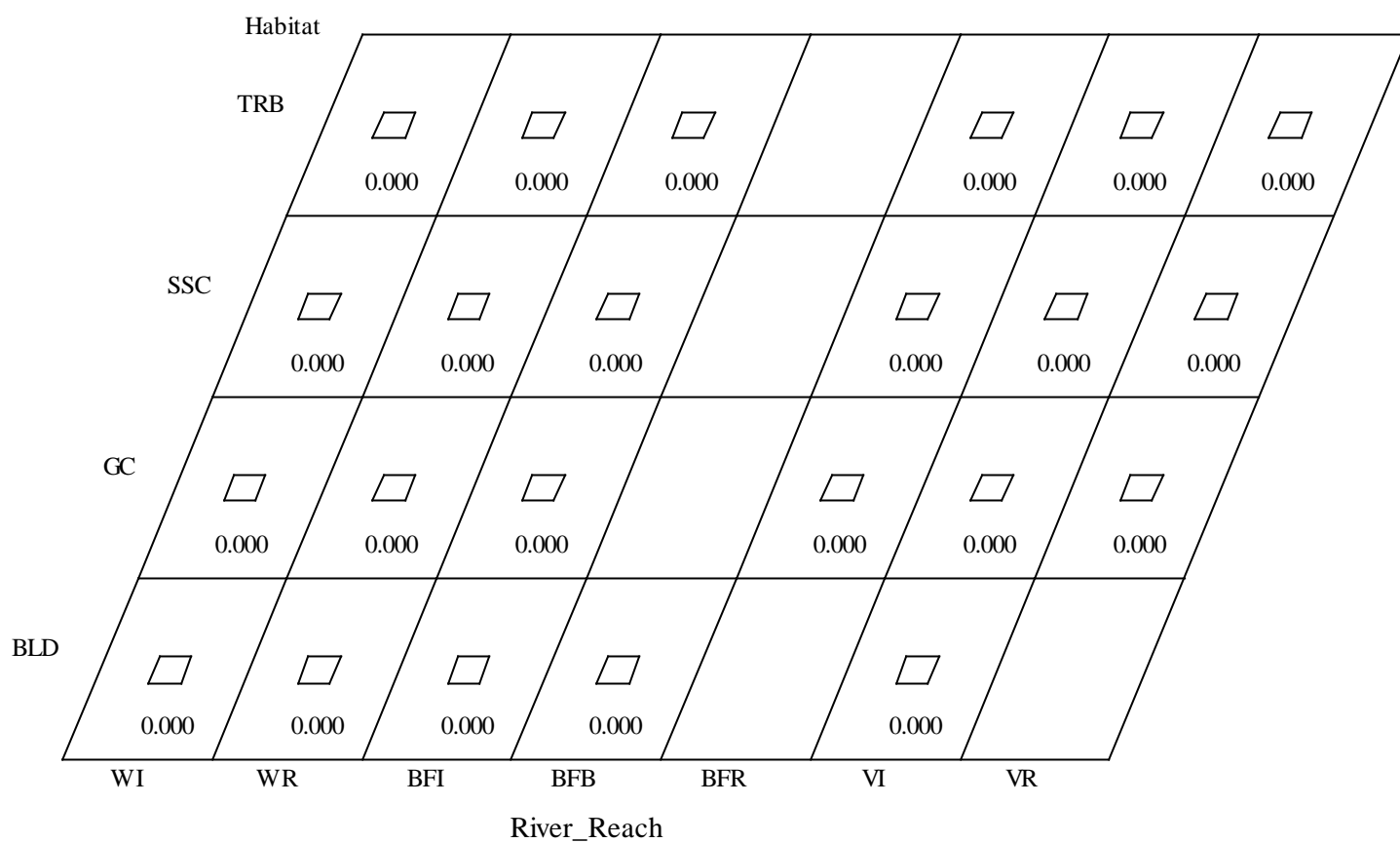
species=Tessellated darter season=Fall



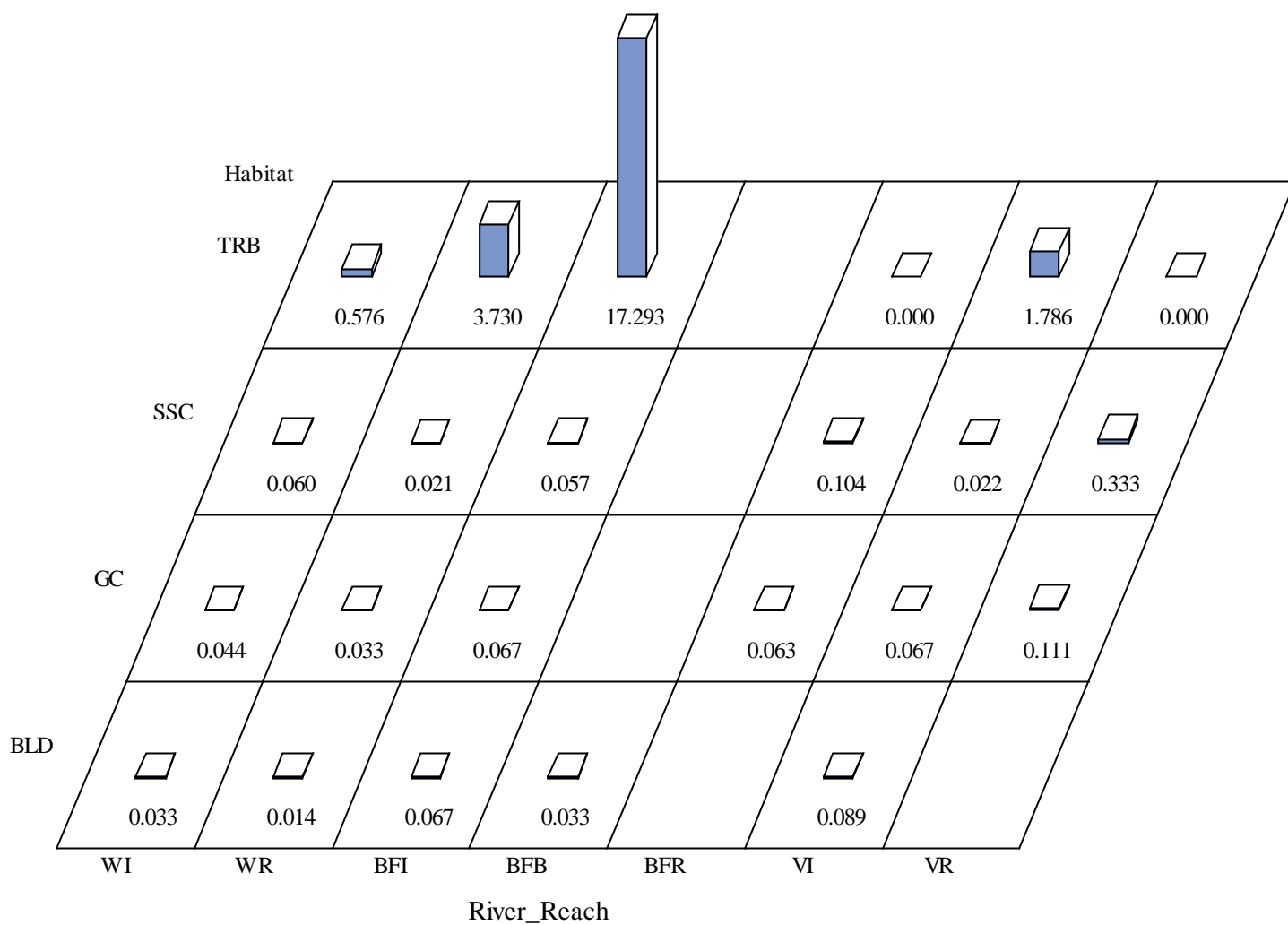
species=Walleye season=Fall



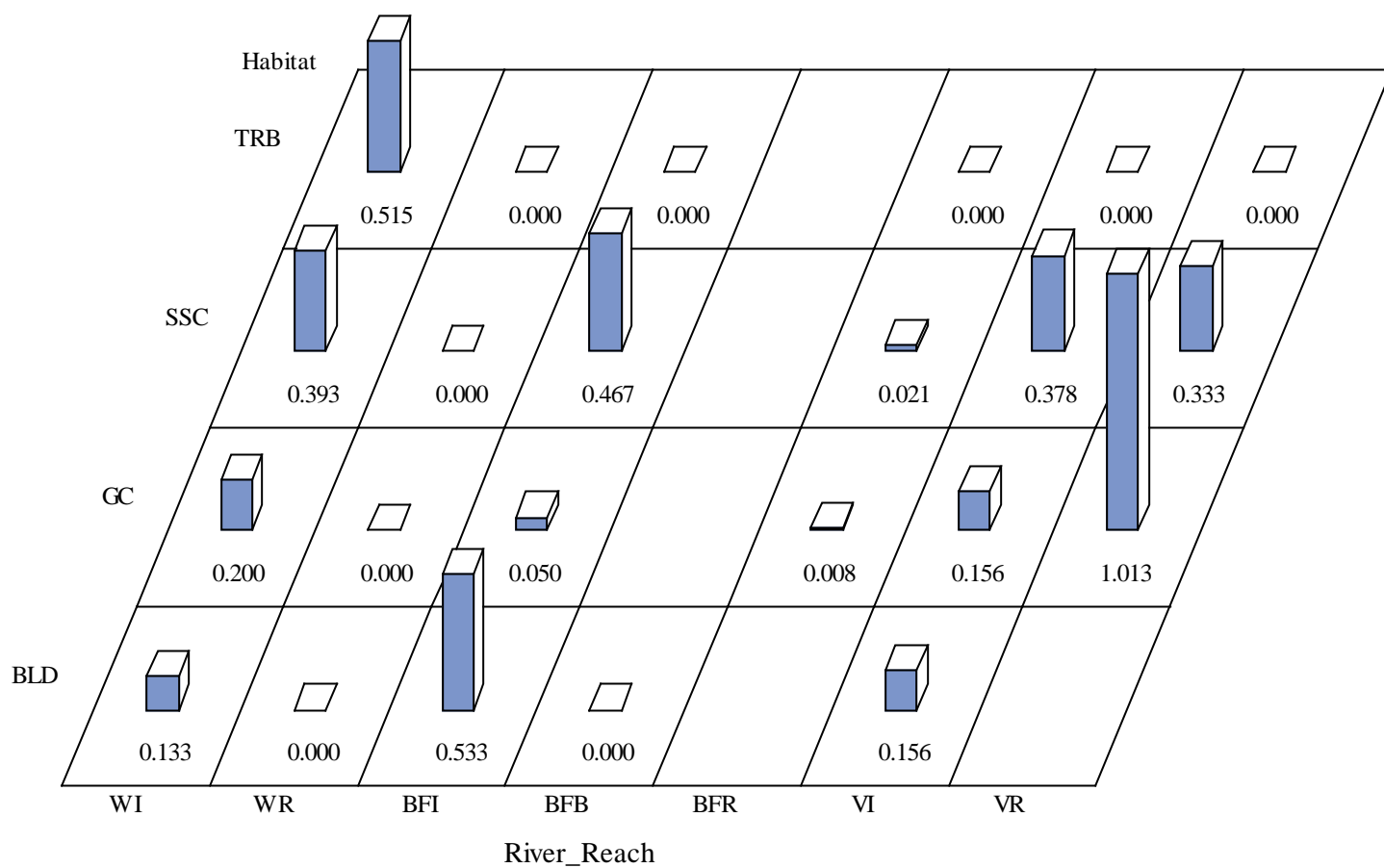
species=White perch season=Fall



species=White sucker season=Fall



species=Yellow perch season=Fall



APPENDIX J

Percent Composition Figures

PERCENT COMPOSITION: SPRING

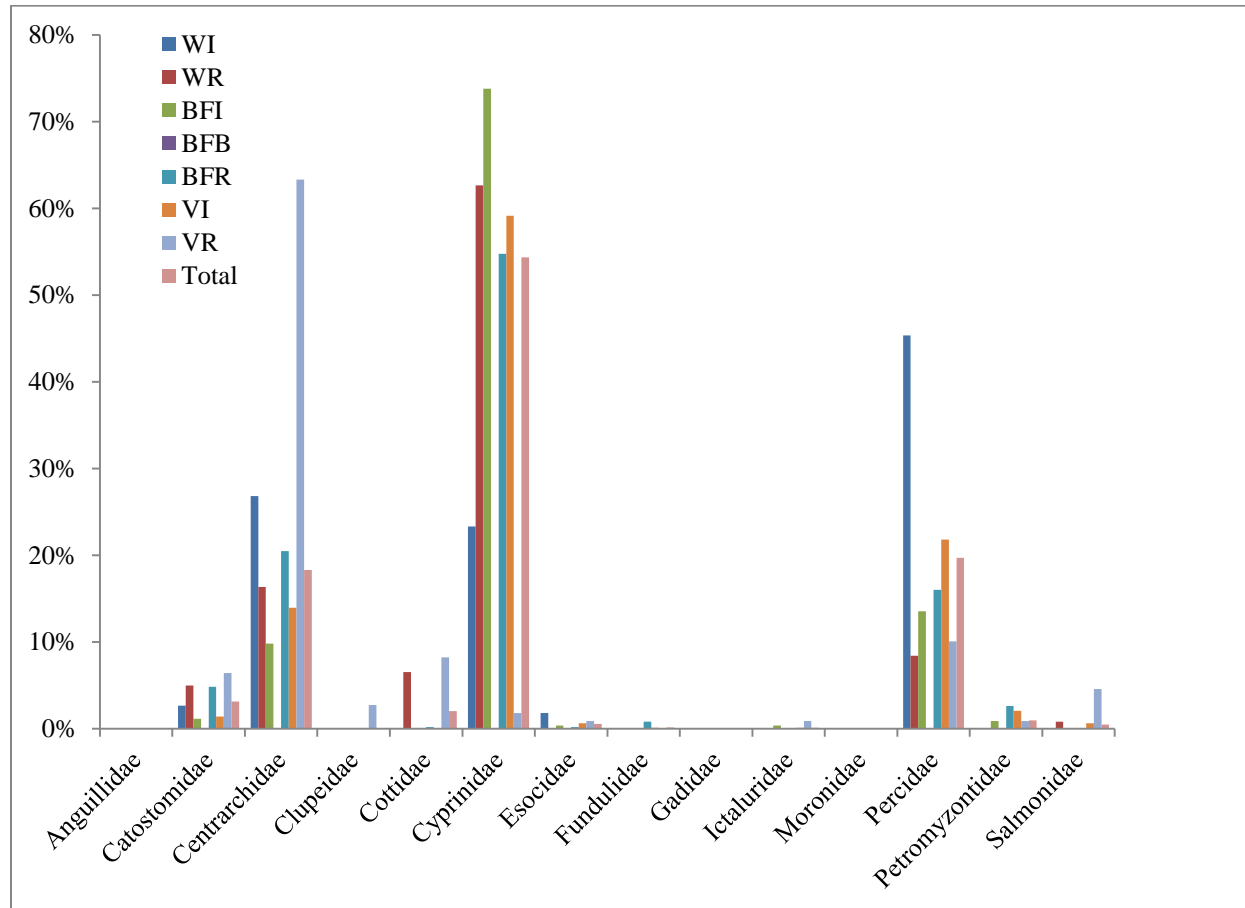


Figure J.1-1. Percent composition (%) by taxonomic family and river reach for all sampling gears during the spring.

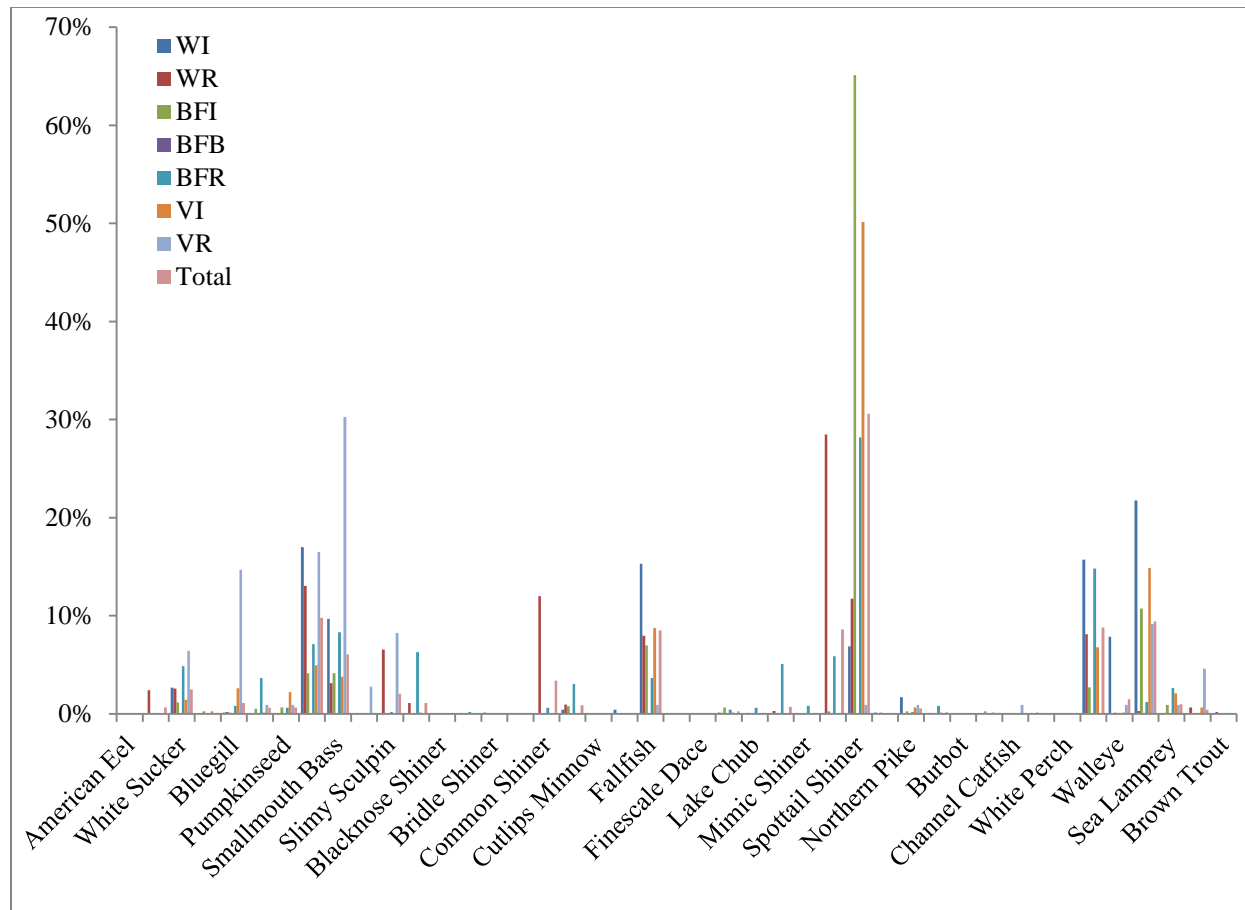


Figure J.1-2. Percent composition (%) by species and river reach for all sampling gears during the spring.

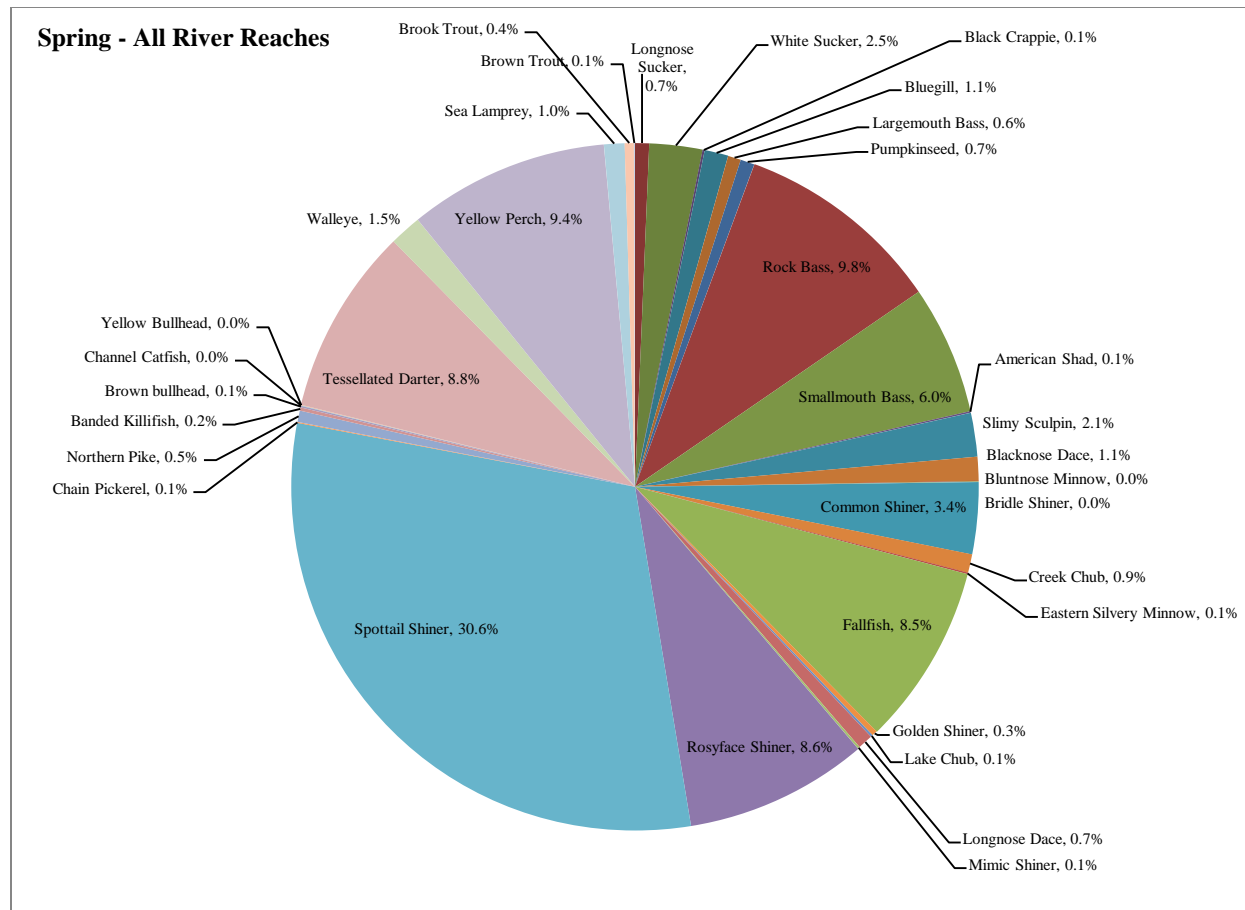


Figure J.1-3. Percent composition (%) by species for all sampling gears within all river reaches during the spring.

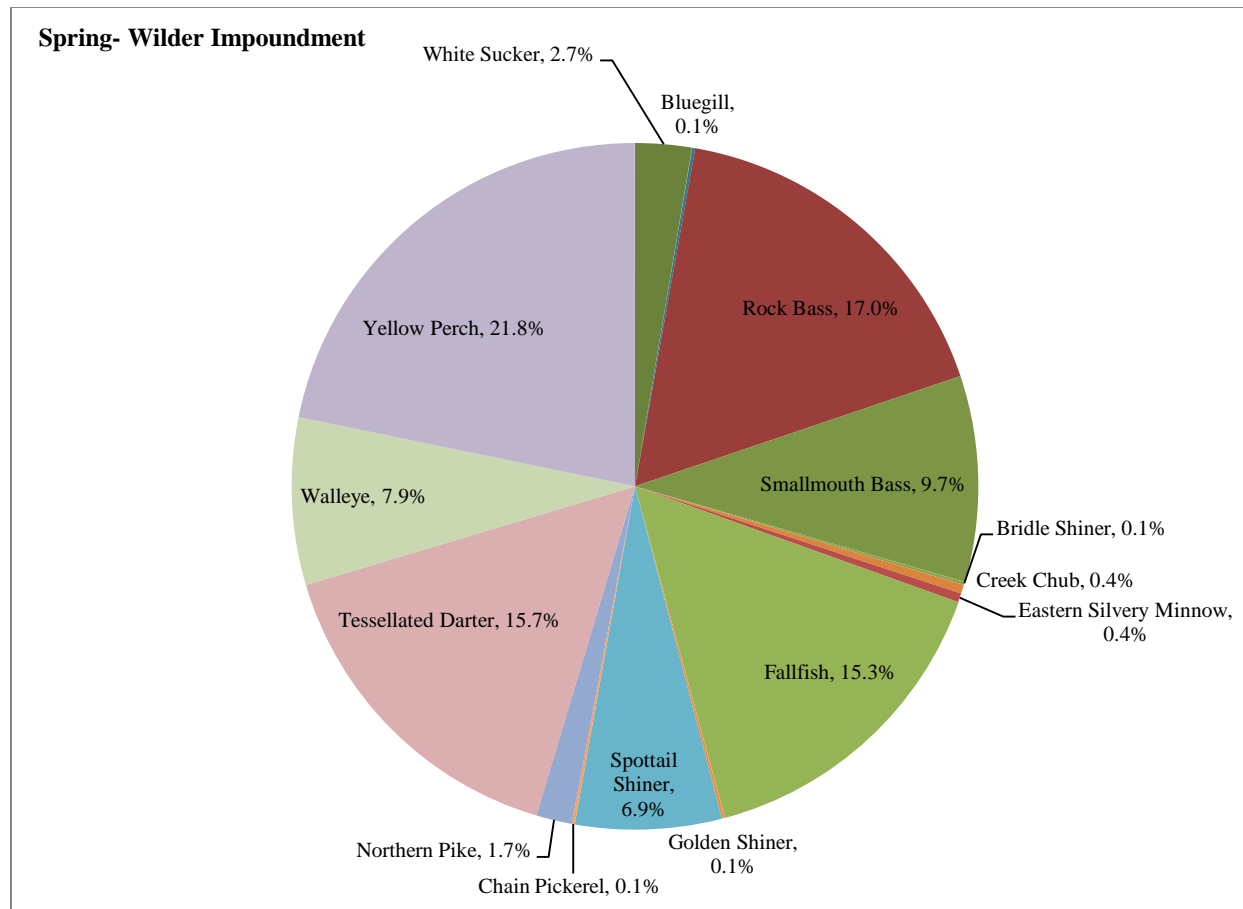


Figure J.1-4. Percent composition (%) by species for all sampling gears within the Wilder impoundment reach during the spring.

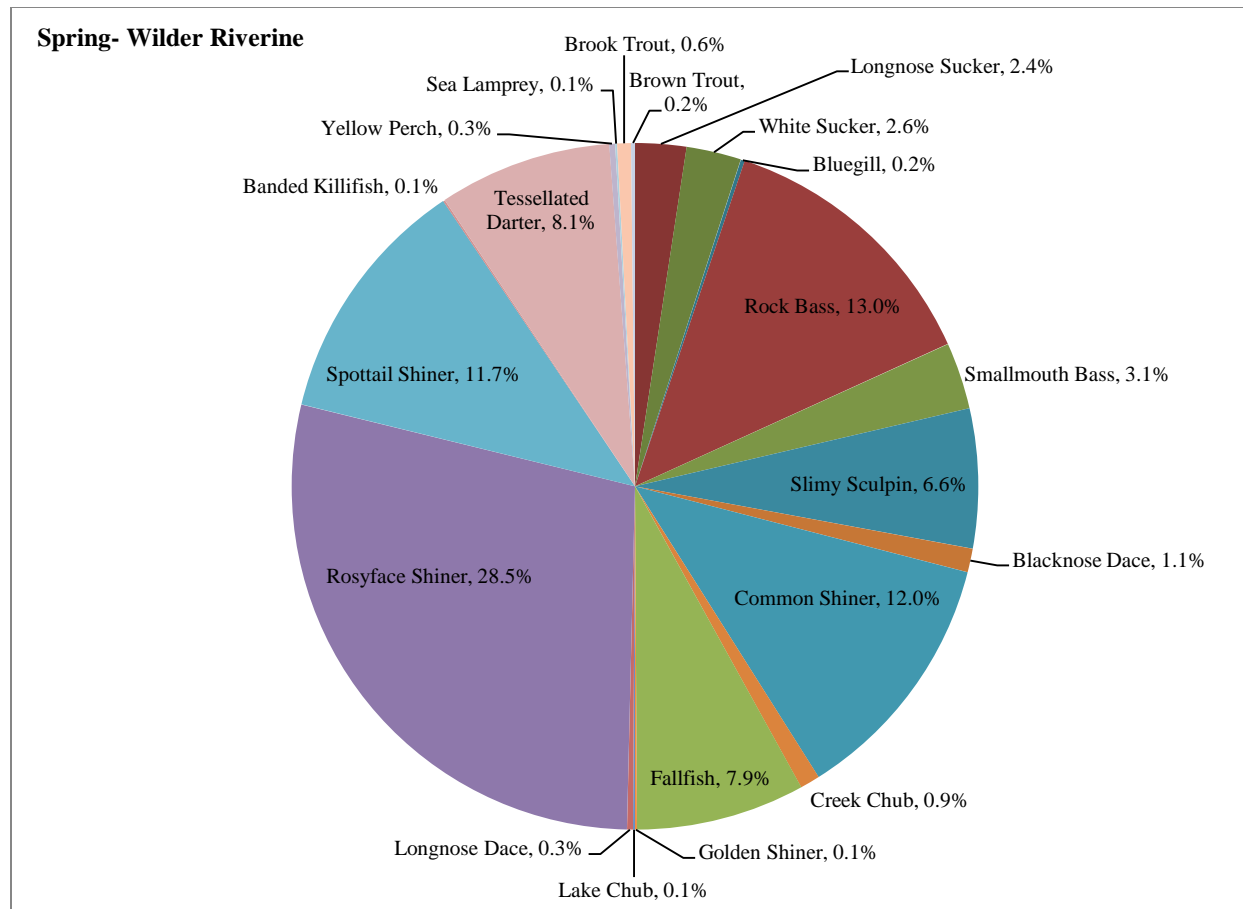


Figure J.1-5. Percent composition (%) by species for all sampling gears within the Wilder riverine reach during the spring.

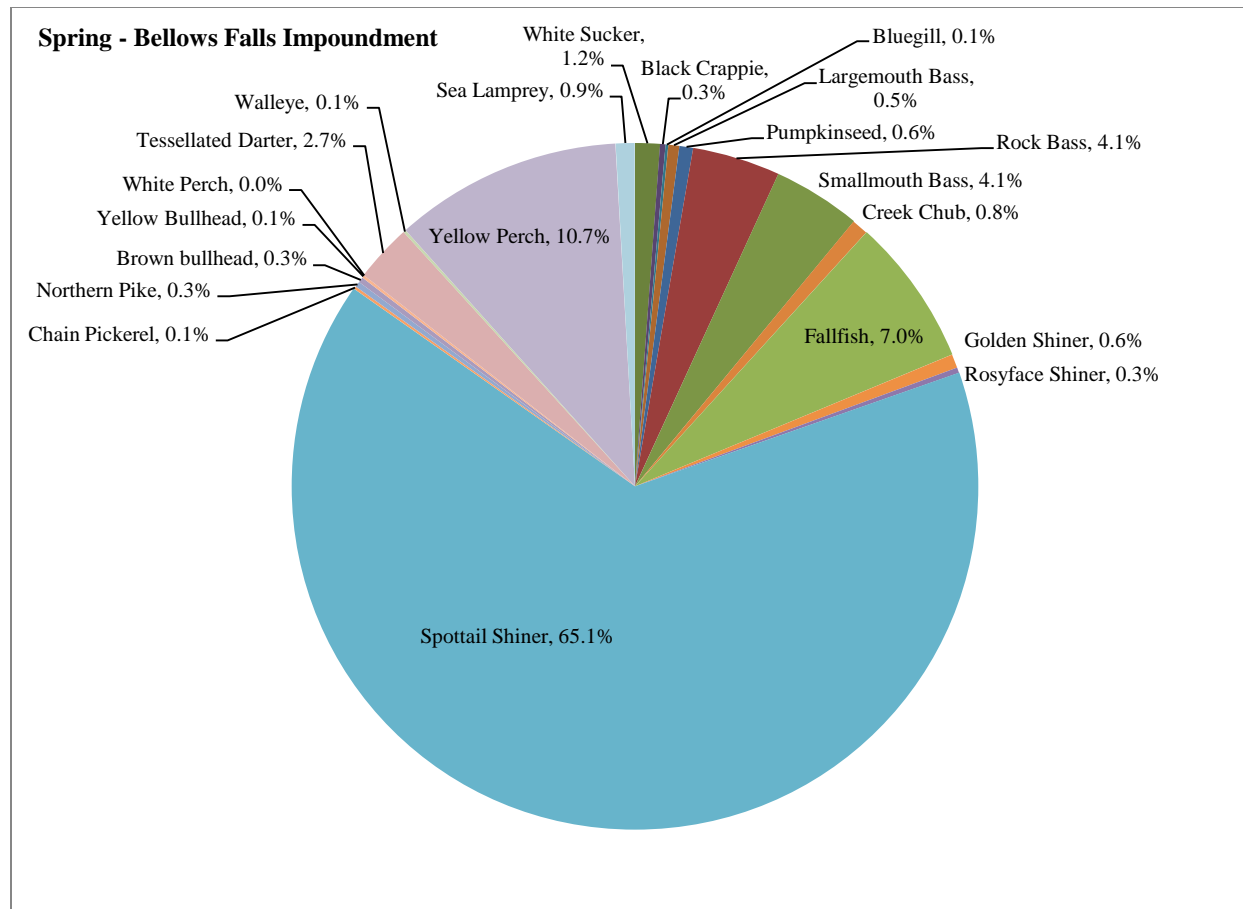


Figure J.1-6. Percent composition (%) by species for all sampling gears within the Bellows Falls impoundment reach during the spring.

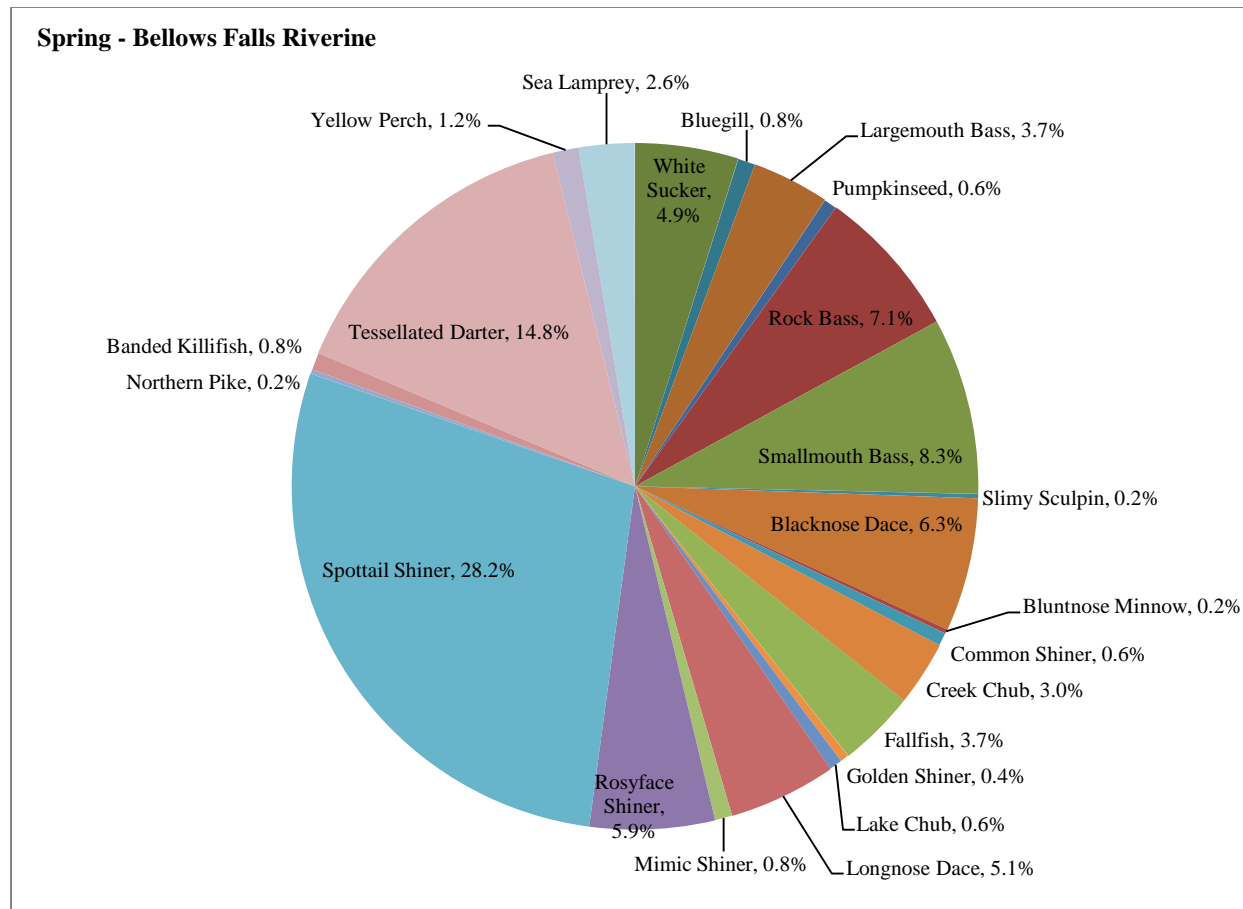


Figure J.1-7. Percent composition (%) by species for all sampling gears within the Bellows Falls riverine reach during the spring.

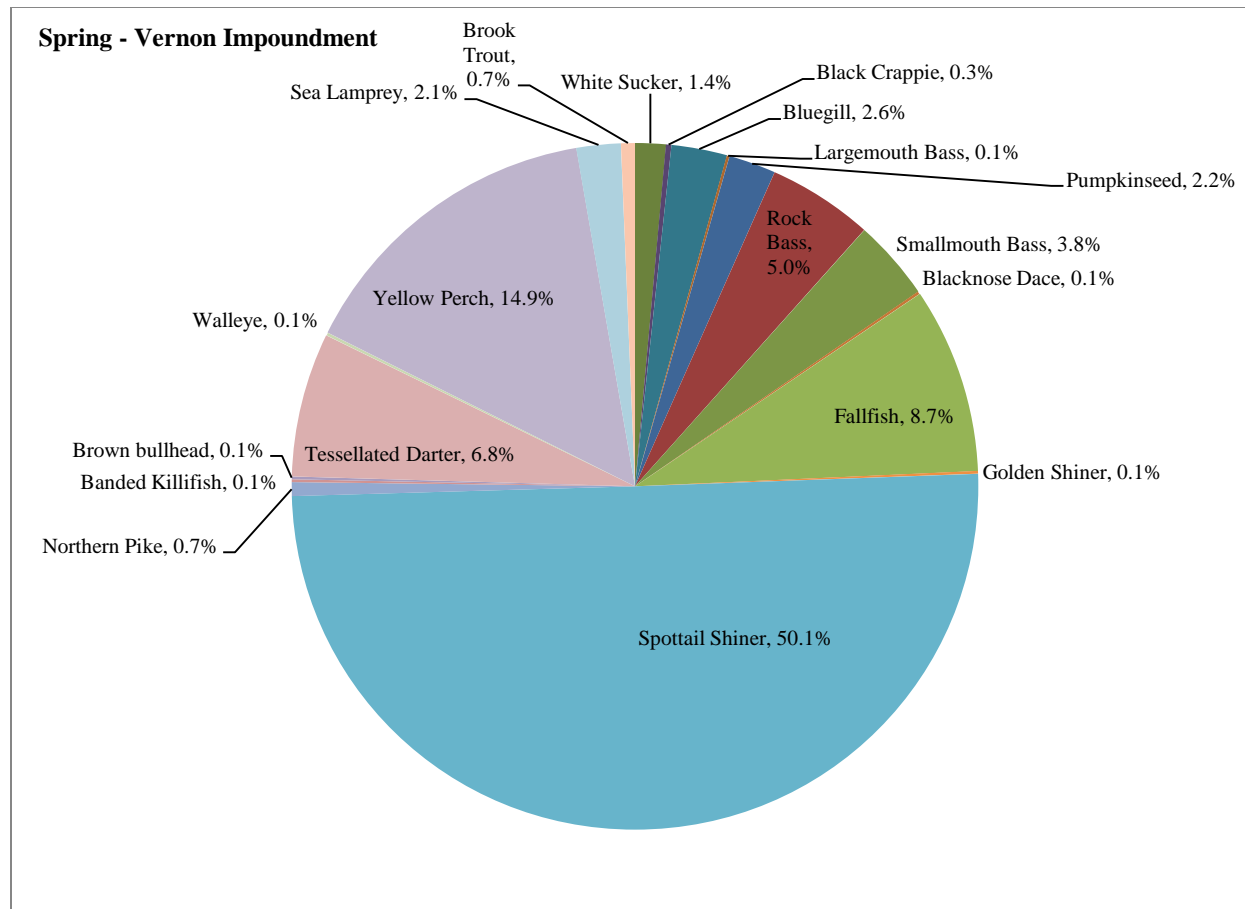


Figure J.1-8. Percent composition (%) by species for all sampling gears within the Vernon impoundment reach during the spring.

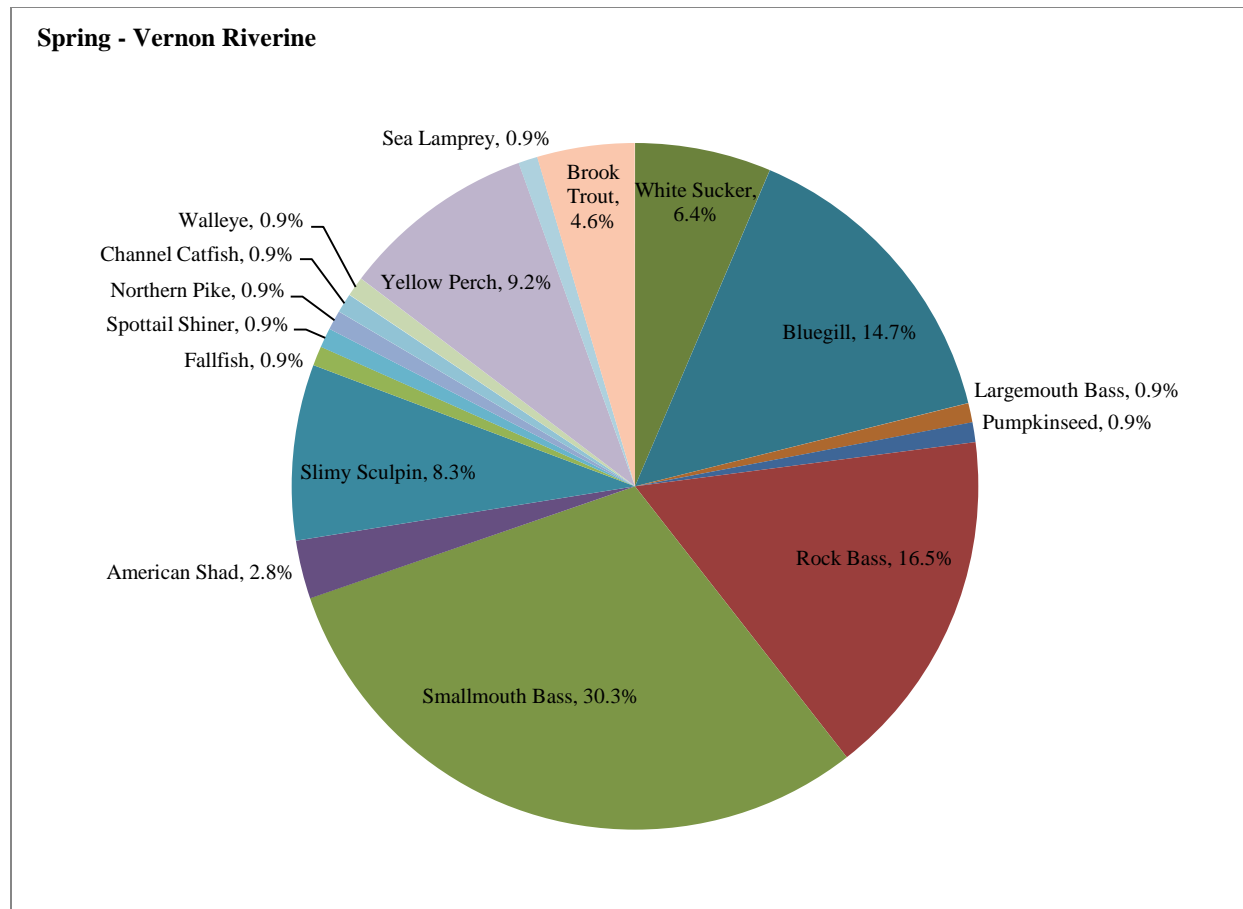


Figure J.1-9. Percent composition (%) by species for all sampling gears within the Vernon riverine reach during the spring.

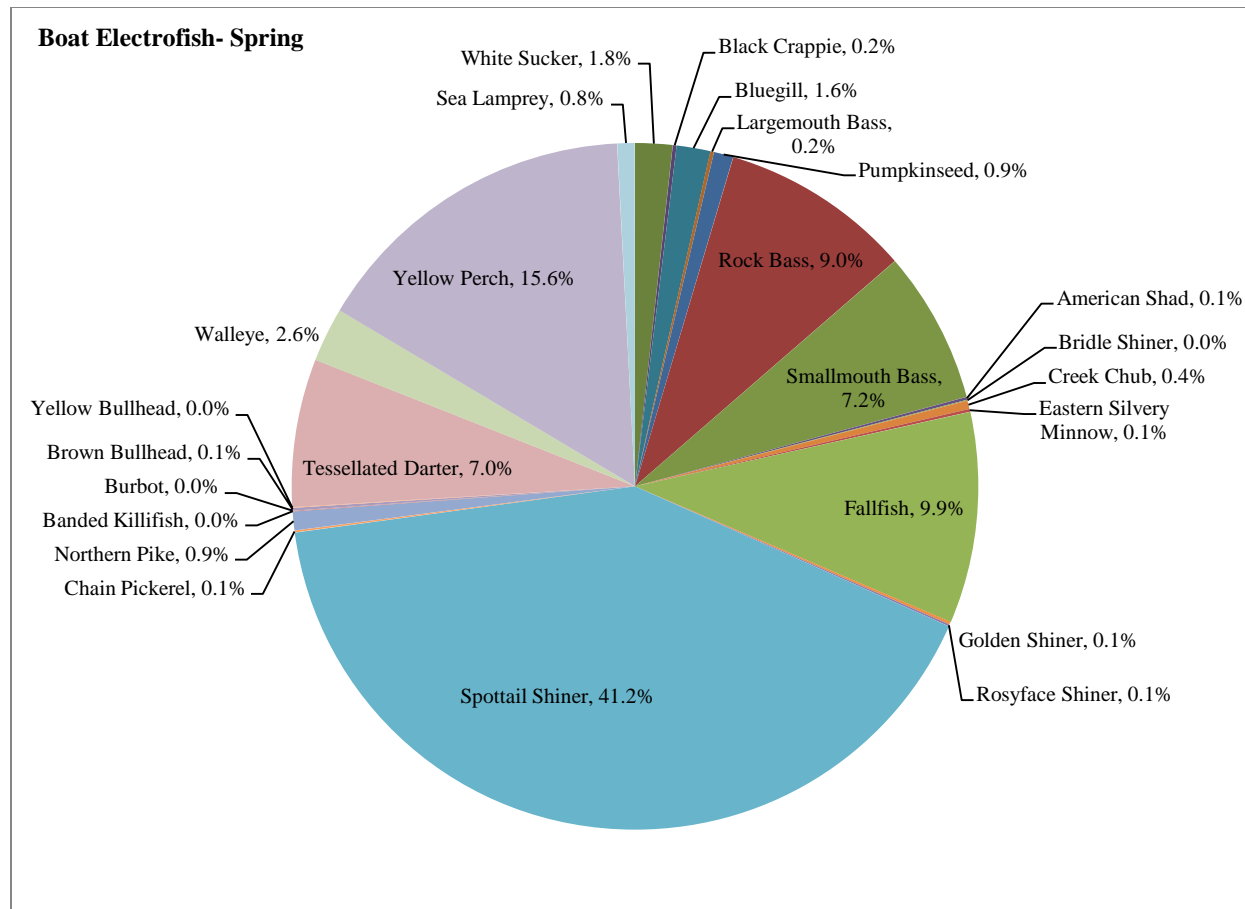


Figure J.1-10. Percent composition (%) by species for all boat electrofish samples during the spring.

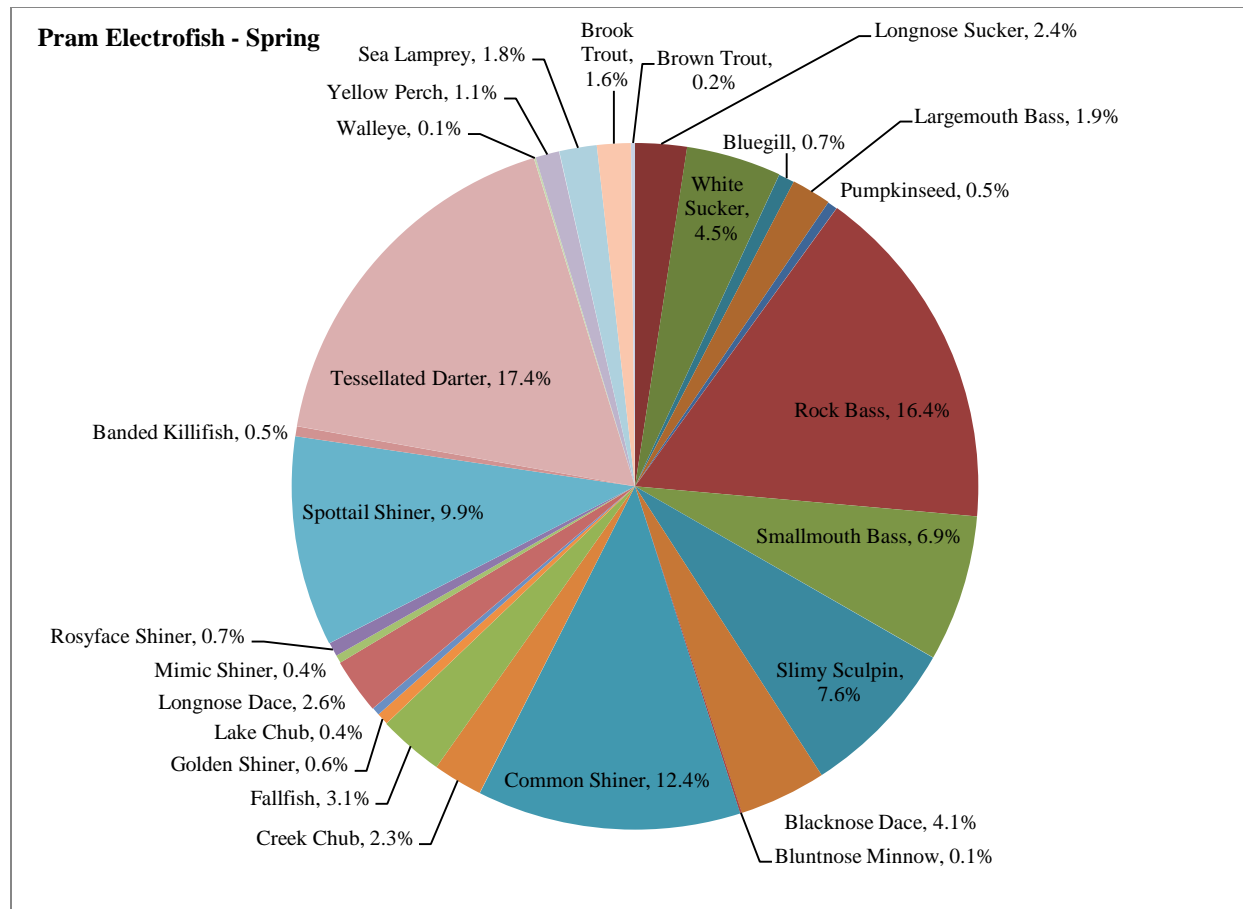


Figure J.1-11. Percent composition (%) by species for all portable electrofish samples during the spring.

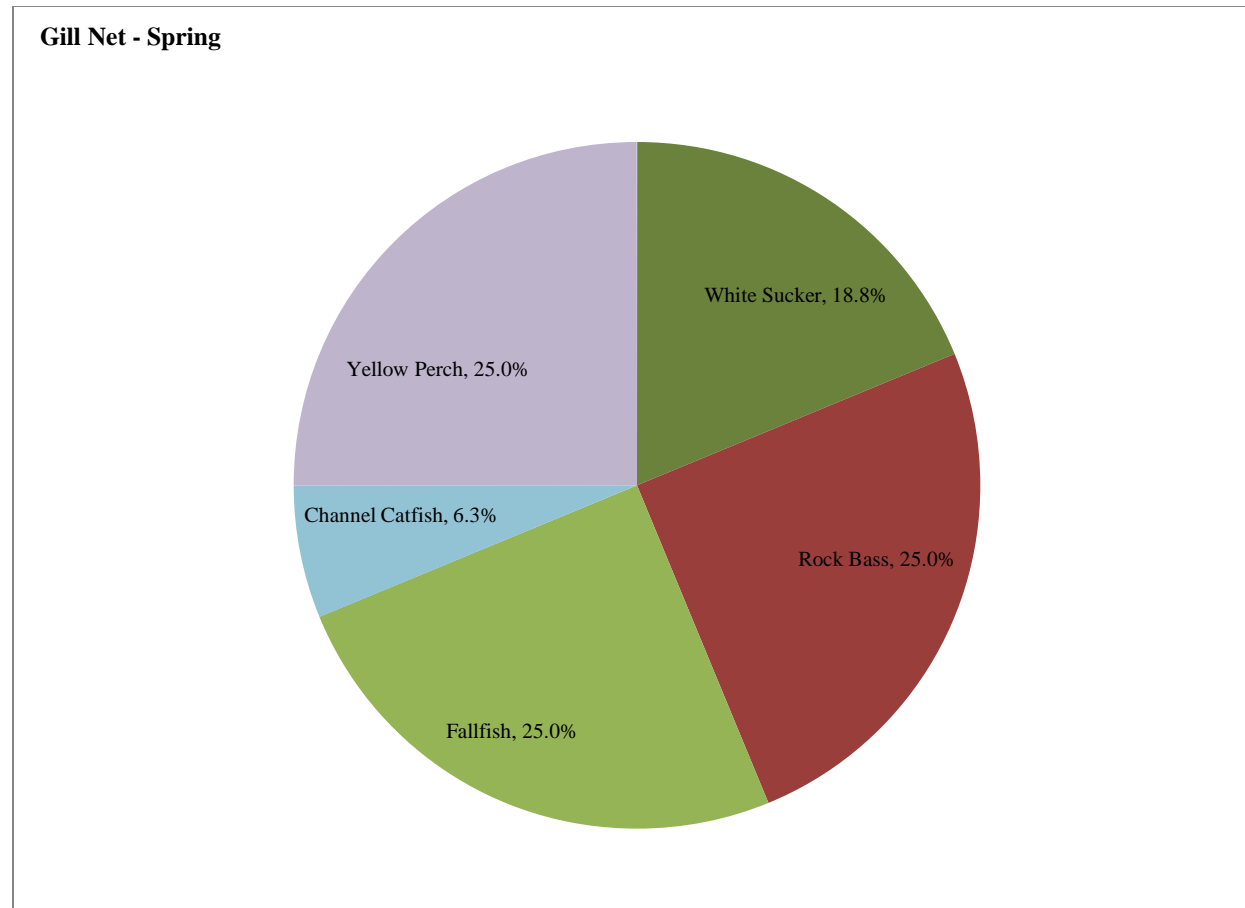


Figure J.1-12. Percent composition (%) by species for all gill net samples during the spring.

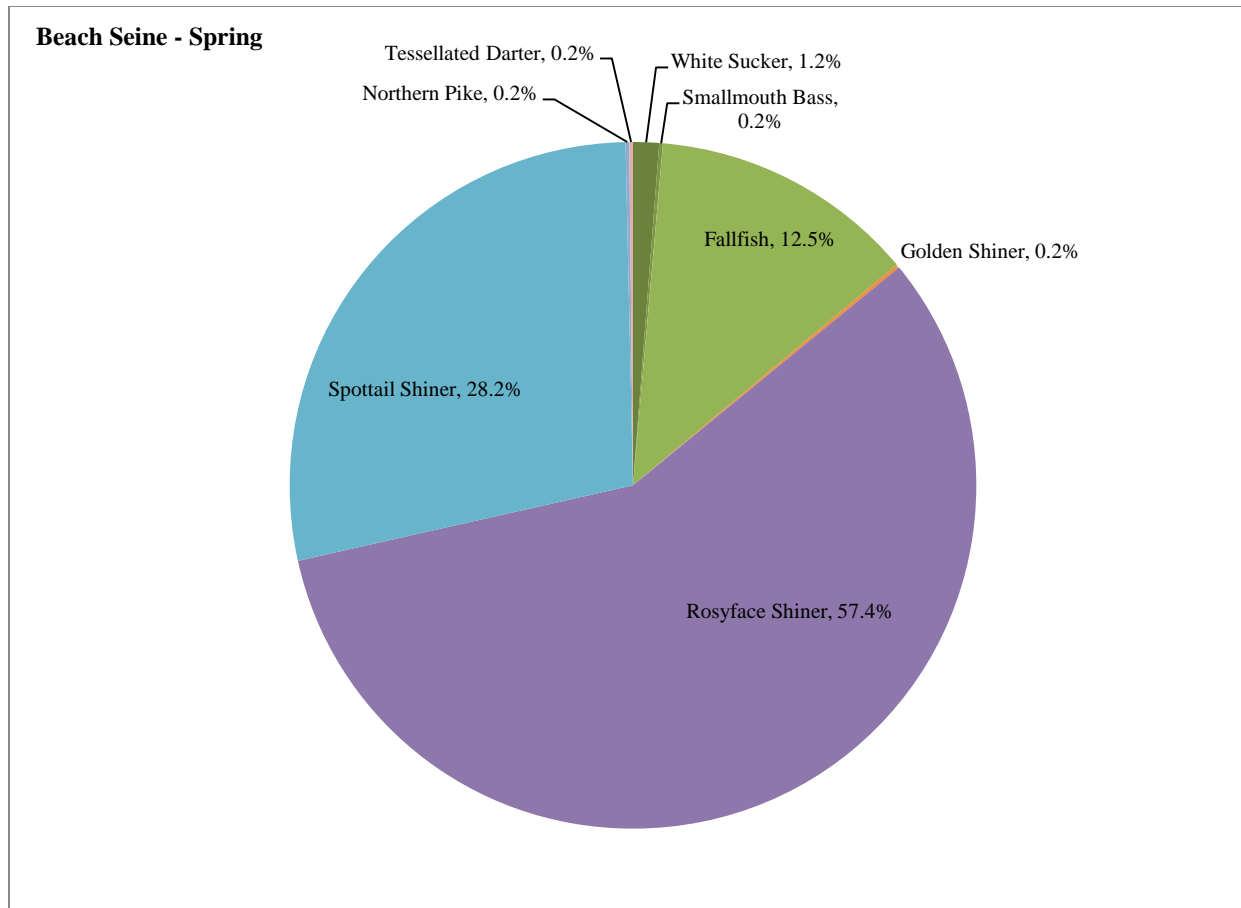


Figure J.1-13. Percent composition (%) by species for all beach seine samples during the spring.

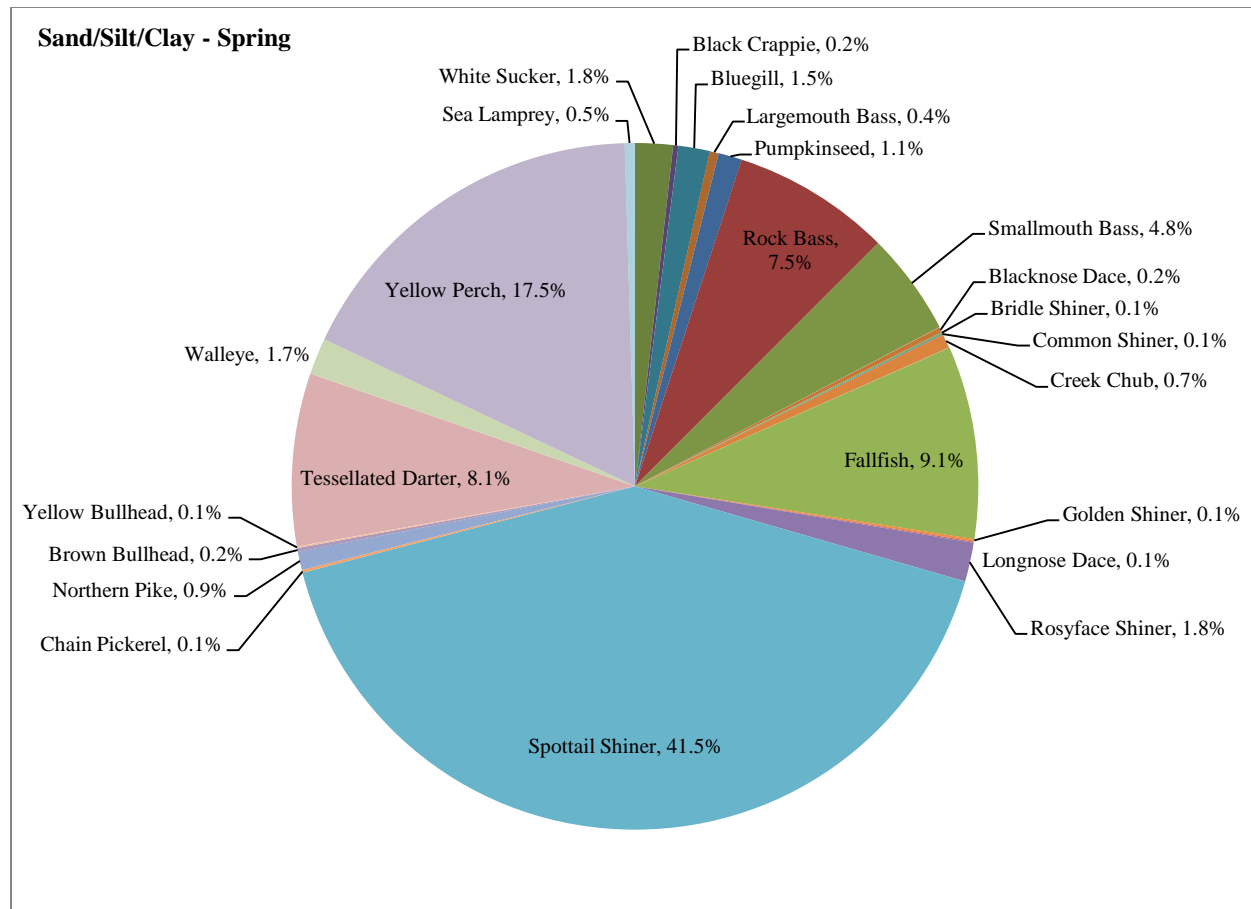


Figure J.1-14. Percent composition (%) by species for all samples collected from sand-silt-clay map-units during the spring.

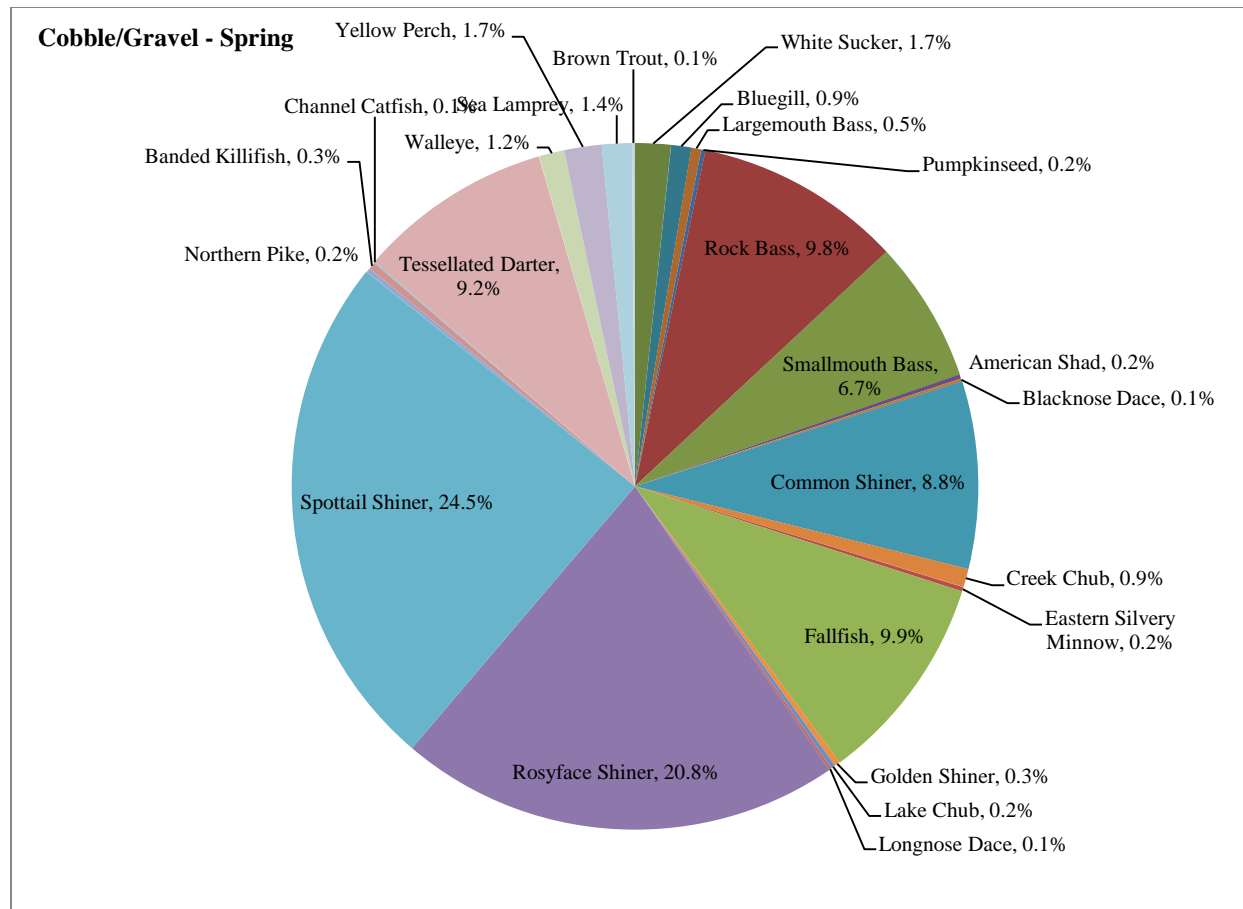


Figure J.1-15. Percent composition (%) by species for all samples collected from cobble-gravel map-units during the spring.

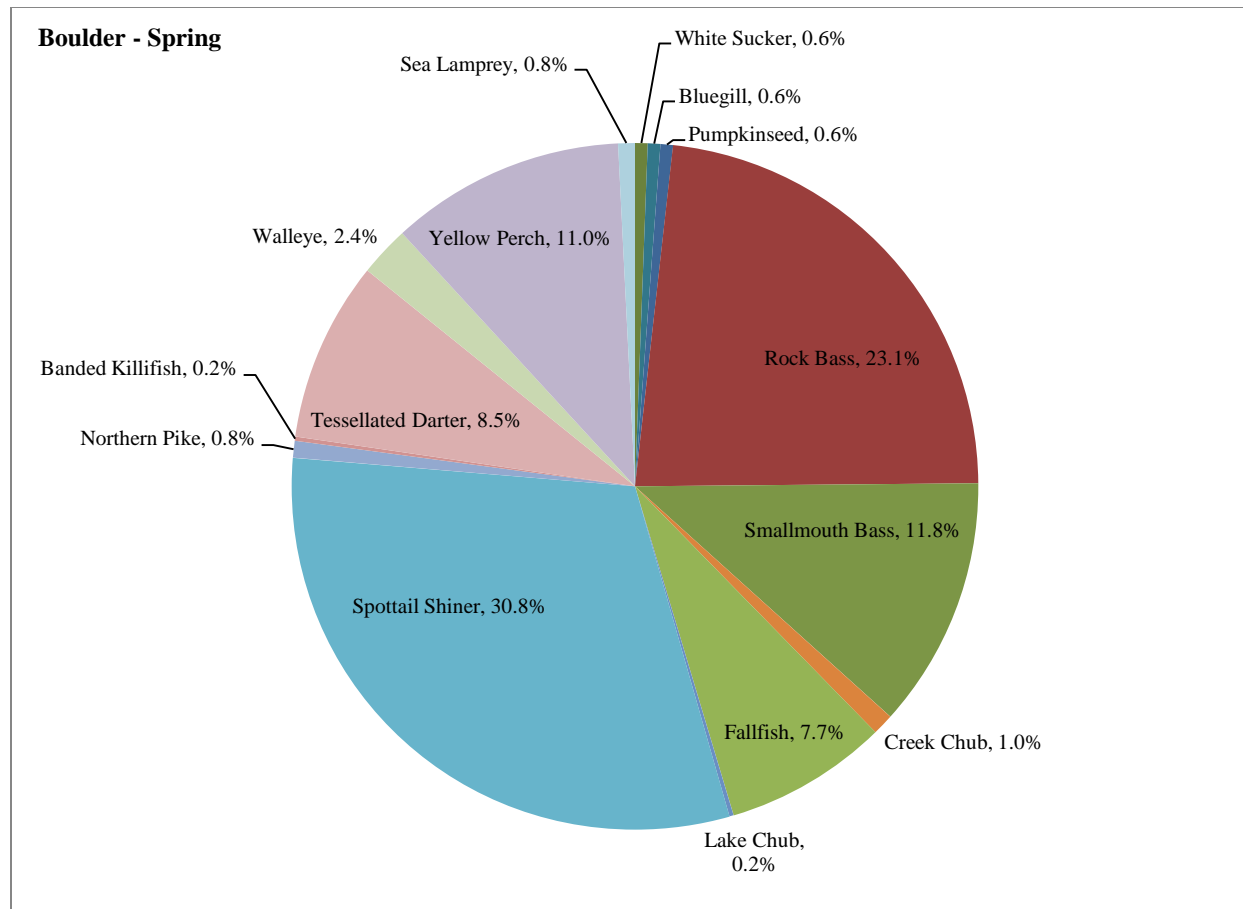


Figure J.1-16. Percent composition (%) by species for all samples collected from boulder map-units during the spring.

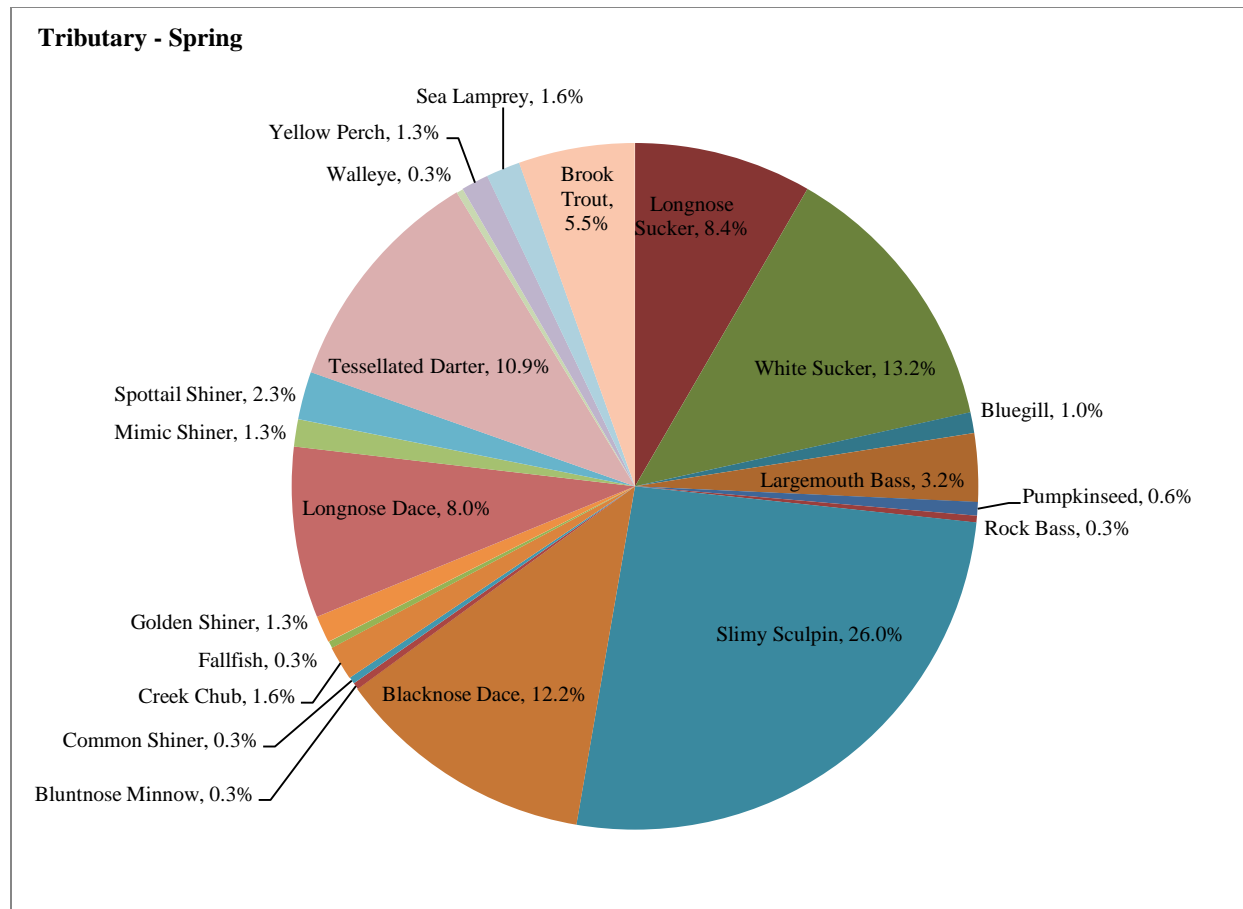


Figure J.1-17. Percent composition (%) by species for all samples collected from project-affected tributary reaches during the spring.

PERCENT COMPOSITION: SUMMER

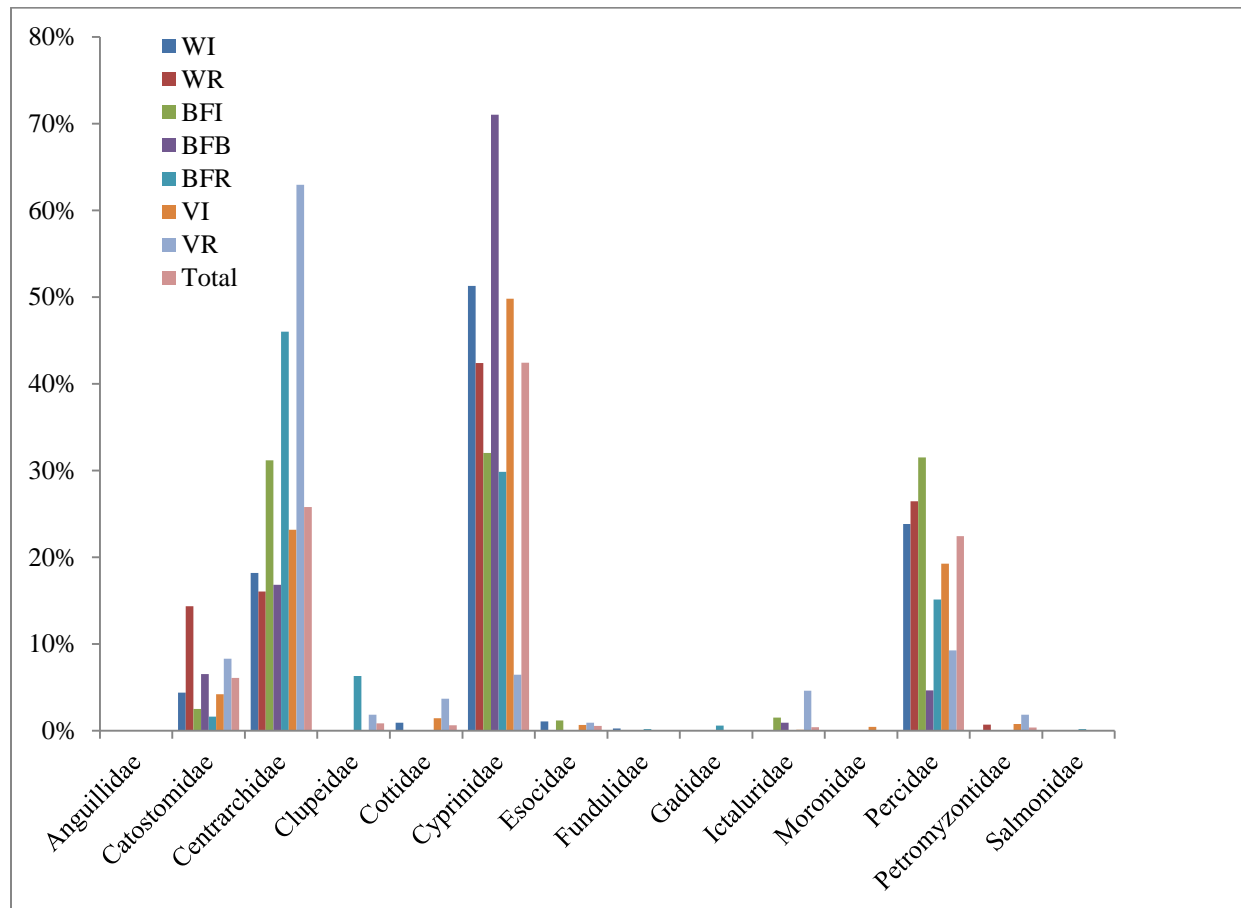


Figure J.2-1. Percent composition (%) by taxonomic family and river reach for all sampling gears during the summer.

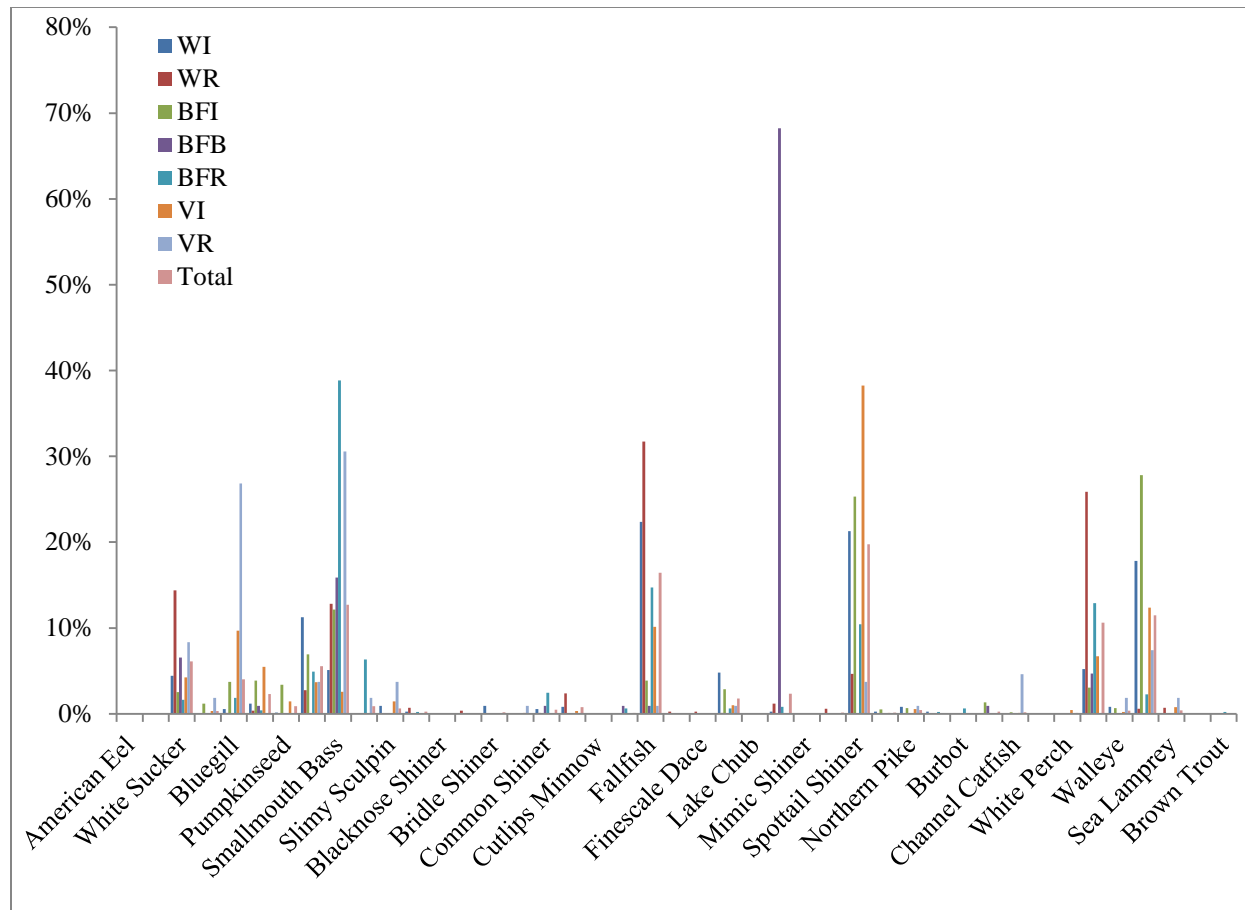


Figure J.2-2. Percent composition (%) by species and river reach for all sampling gears during the summer.

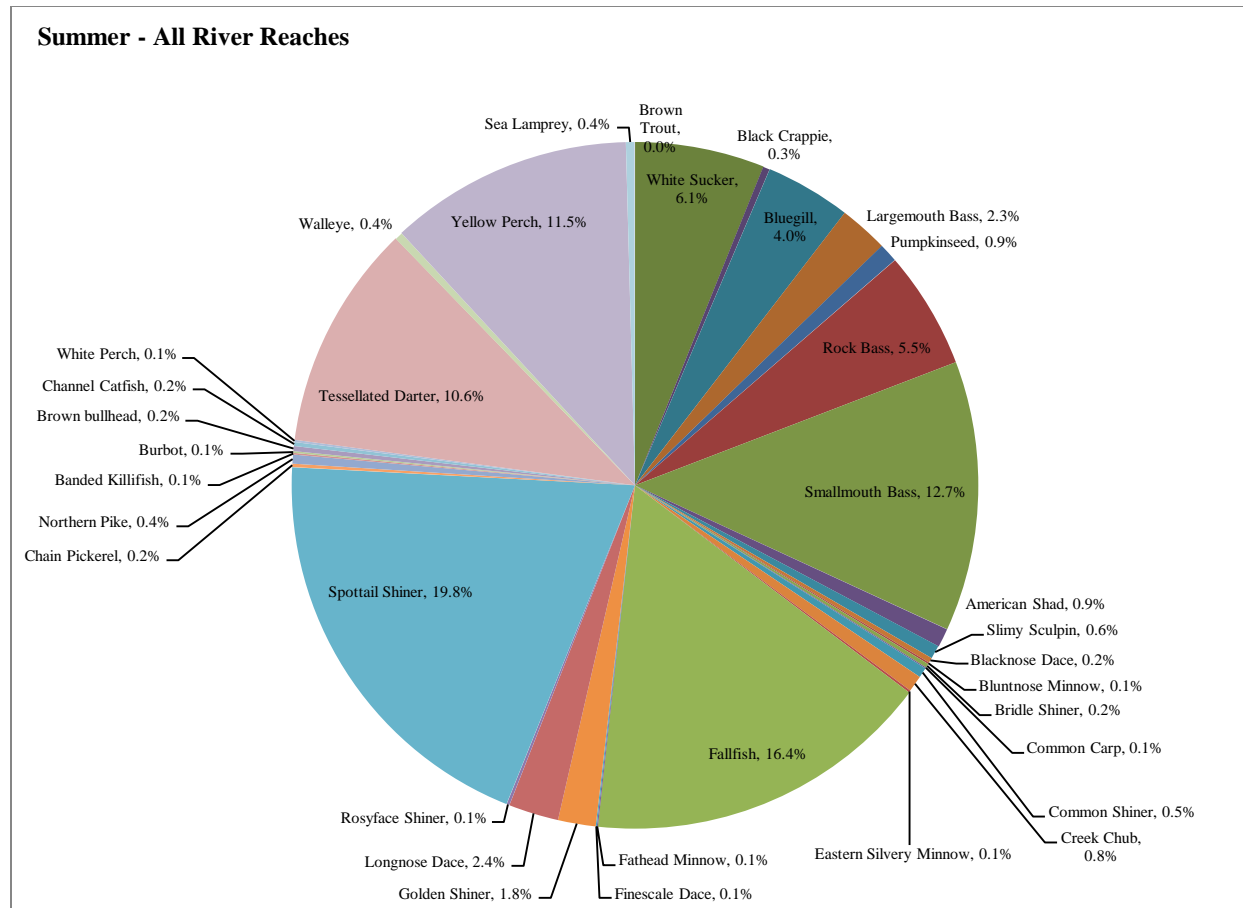


Figure J.2-3. Percent composition (%) by species for all sampling gears within all river reaches during the summer.

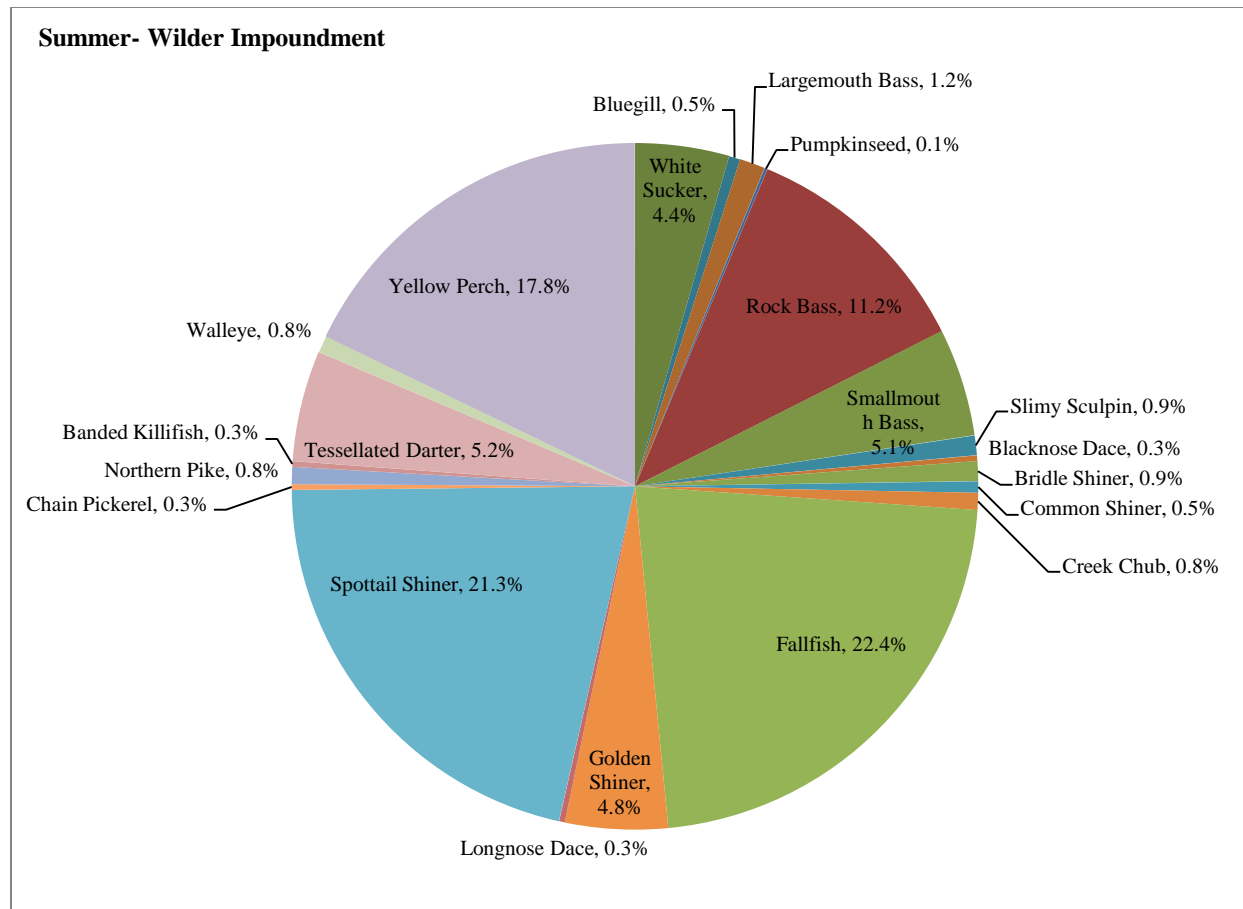


Figure J.2-4. Percent composition (%) by species for all sampling gears within the Wilder impoundment reach during the summer.

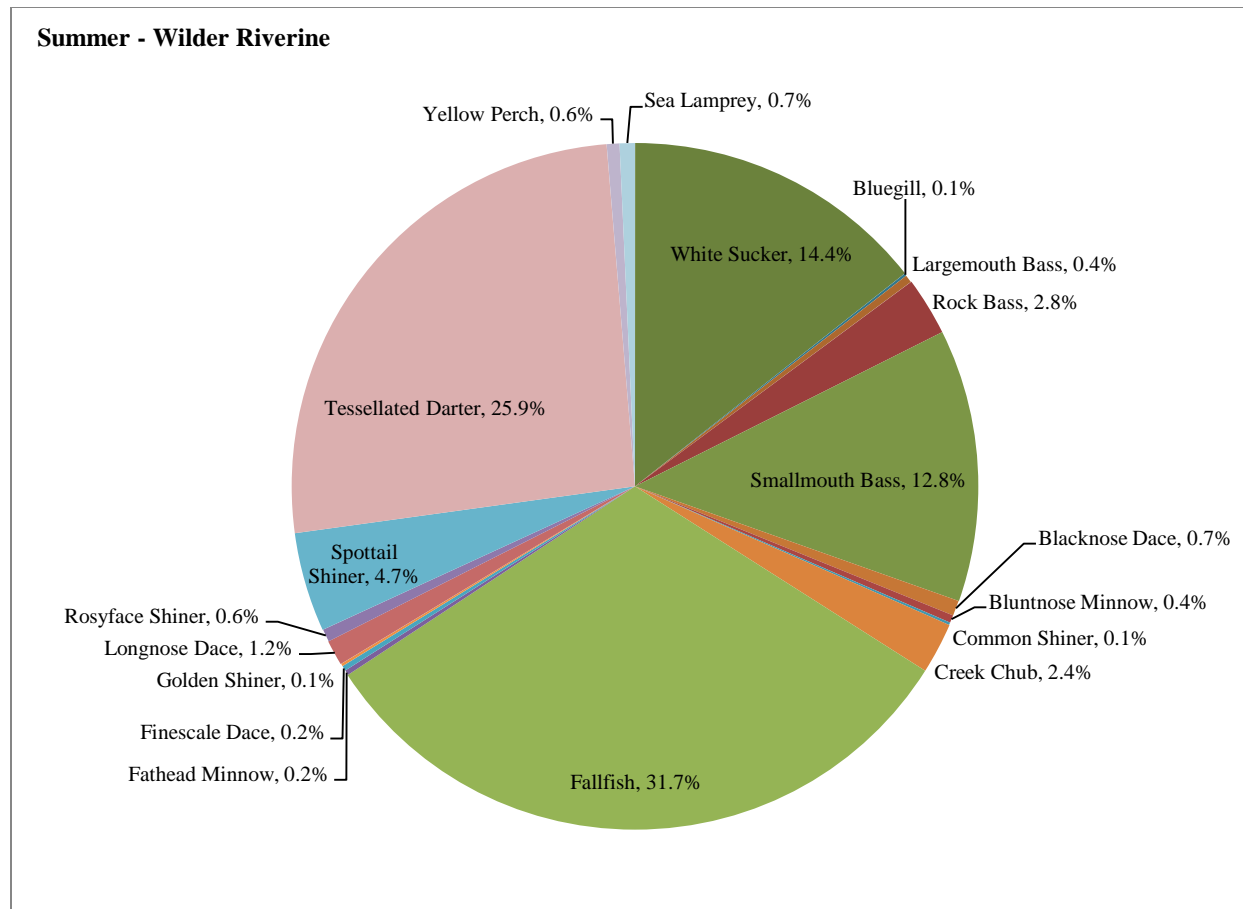


Figure J.2-5. Percent composition (%) by species for all sampling gears within the Wilder riverine reach during the summer.

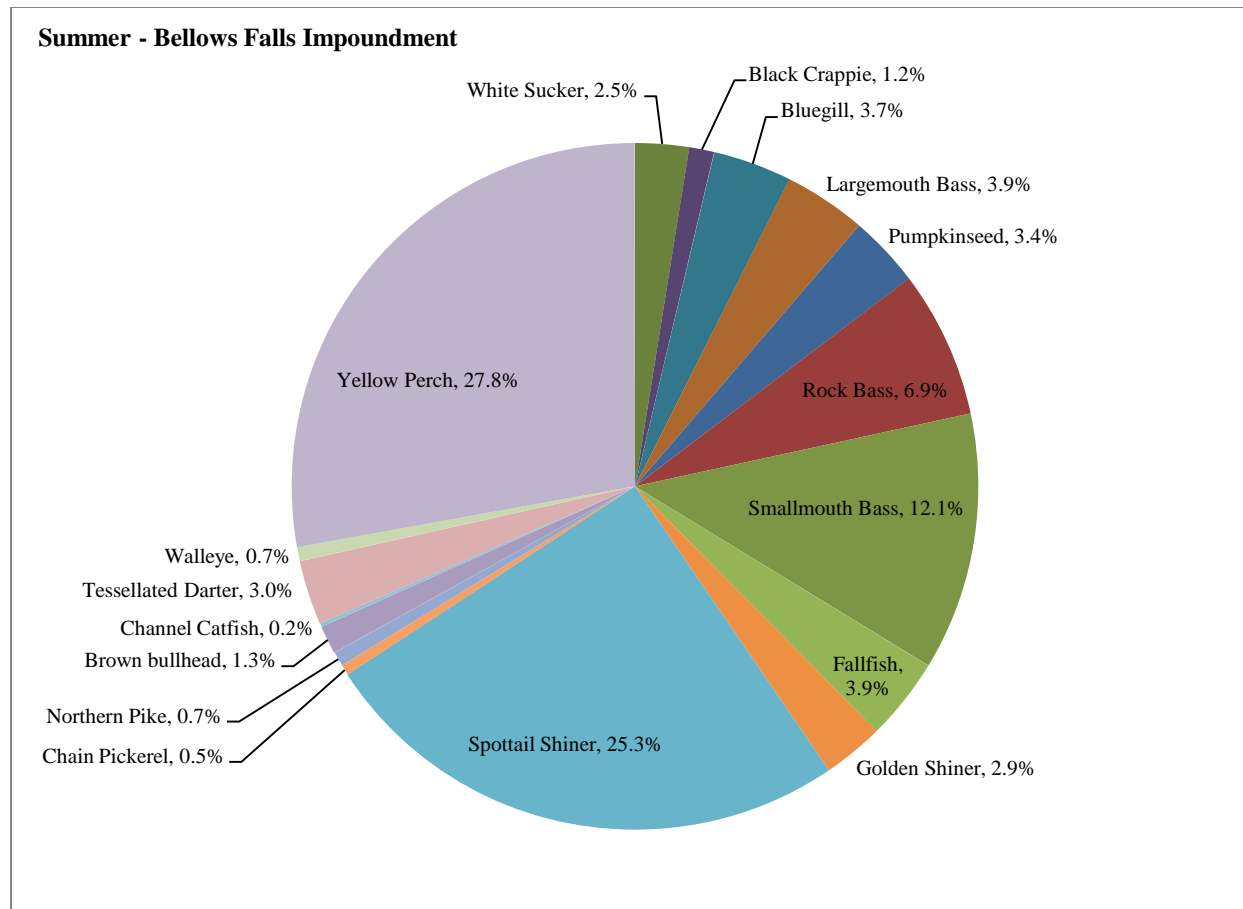


Figure J.2-6. Percent composition (%) by species for all sampling gears within the Bellows Falls impoundment reach during the summer.

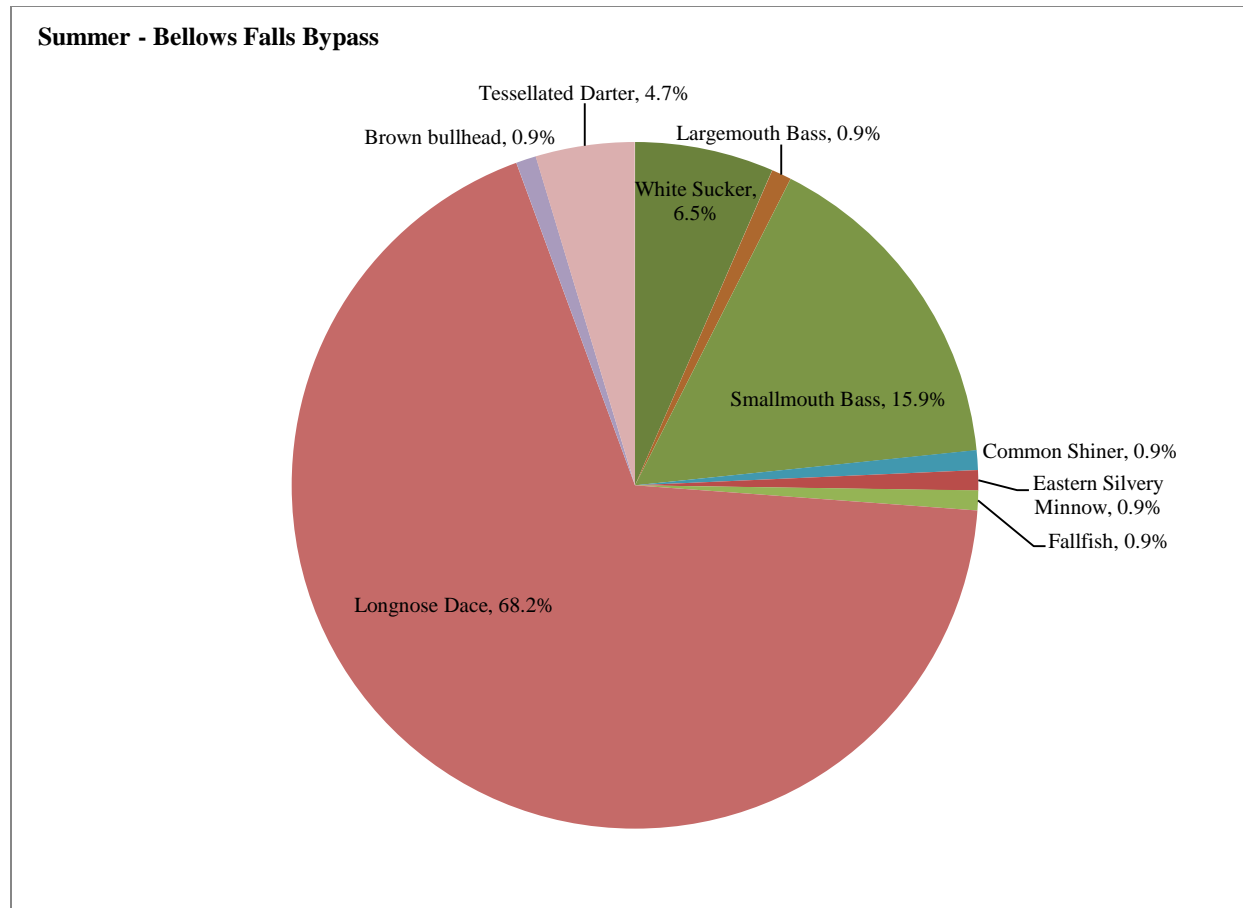


Figure J.2-7. Percent composition (%) by species for all sampling gears within the Bellows Falls bypassed reach during the summer.

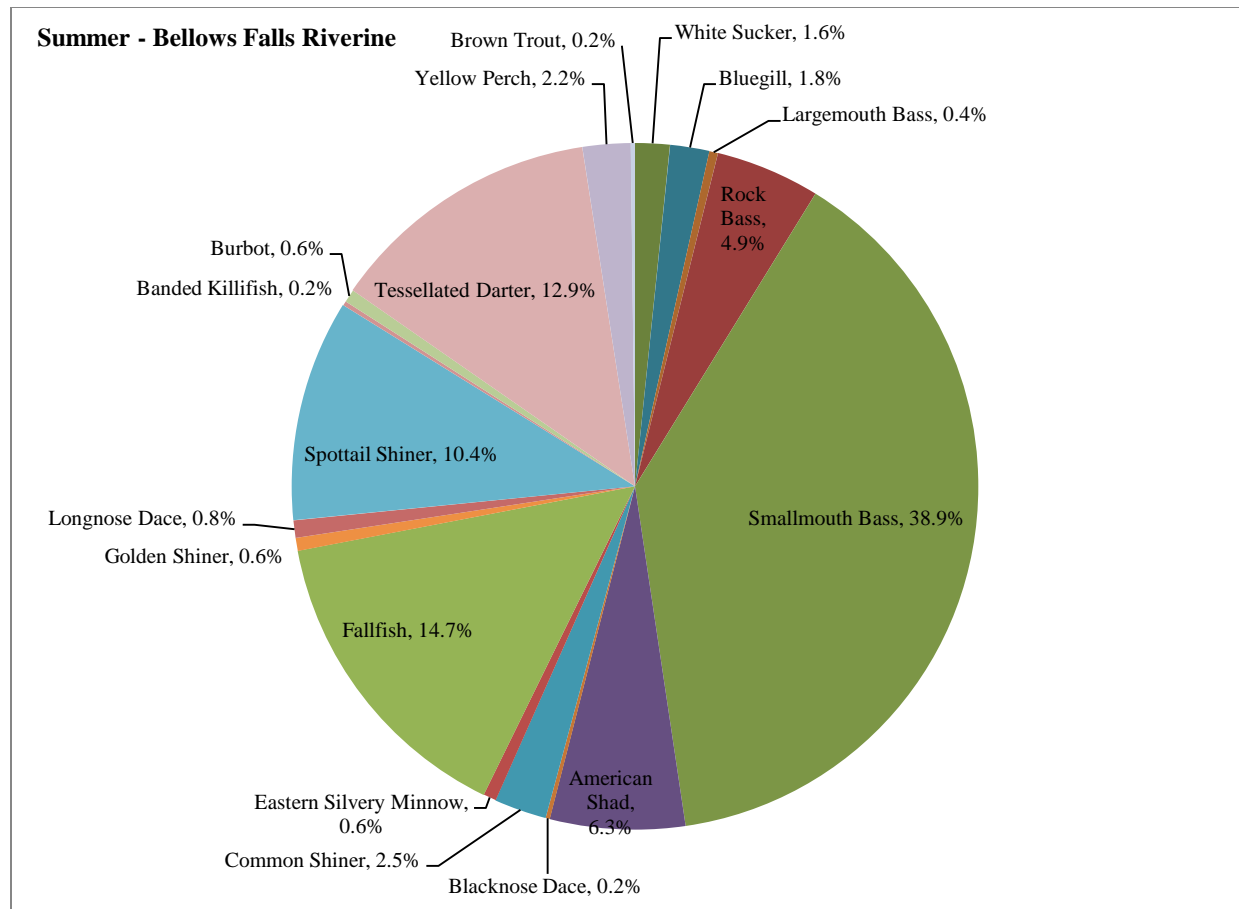


Figure J.2-8. Percent composition (%) by species for all sampling gears within the Bellows Falls riverine reach during the summer.

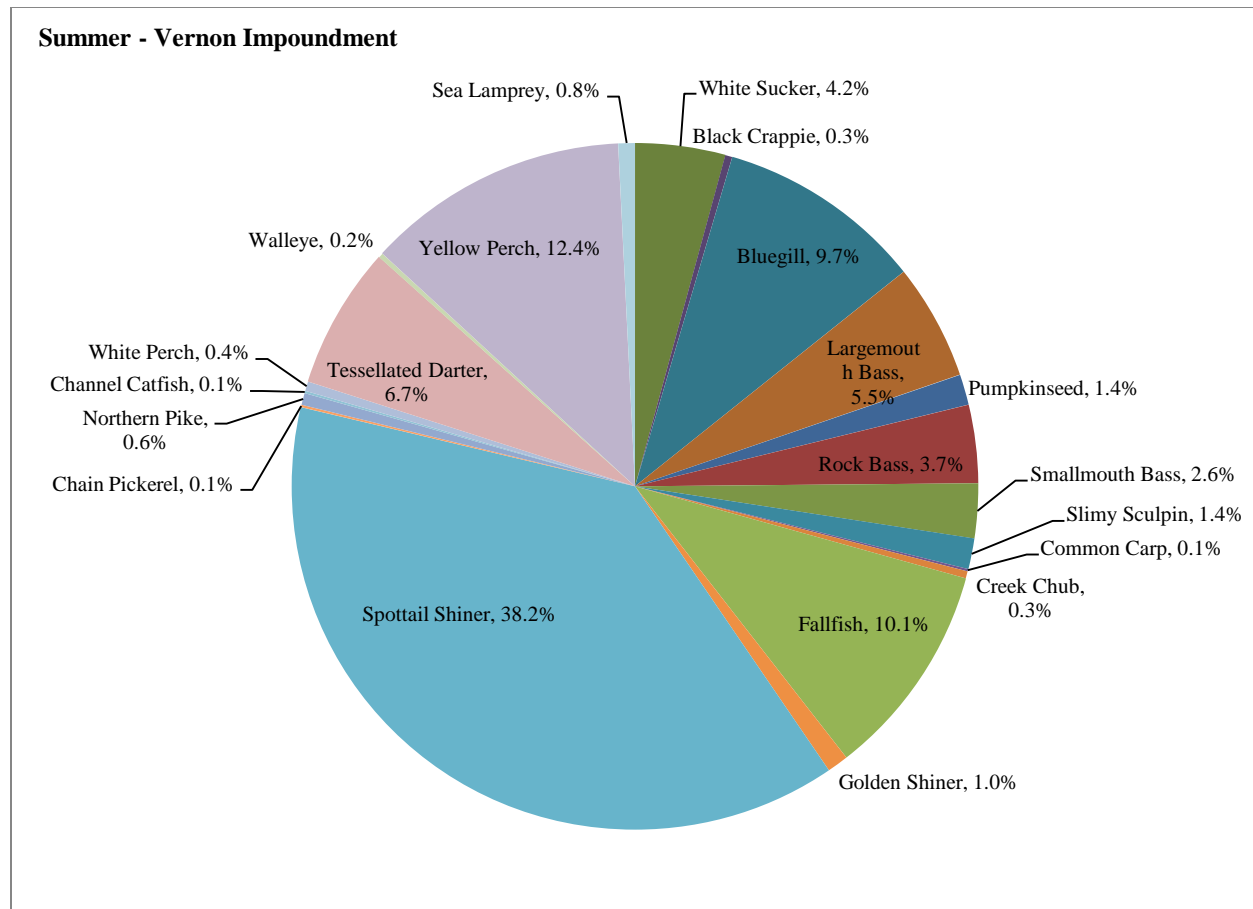


Figure J.2-9. Percent composition (%) by species for all sampling gears within the Vernon impoundment reach during the summer.

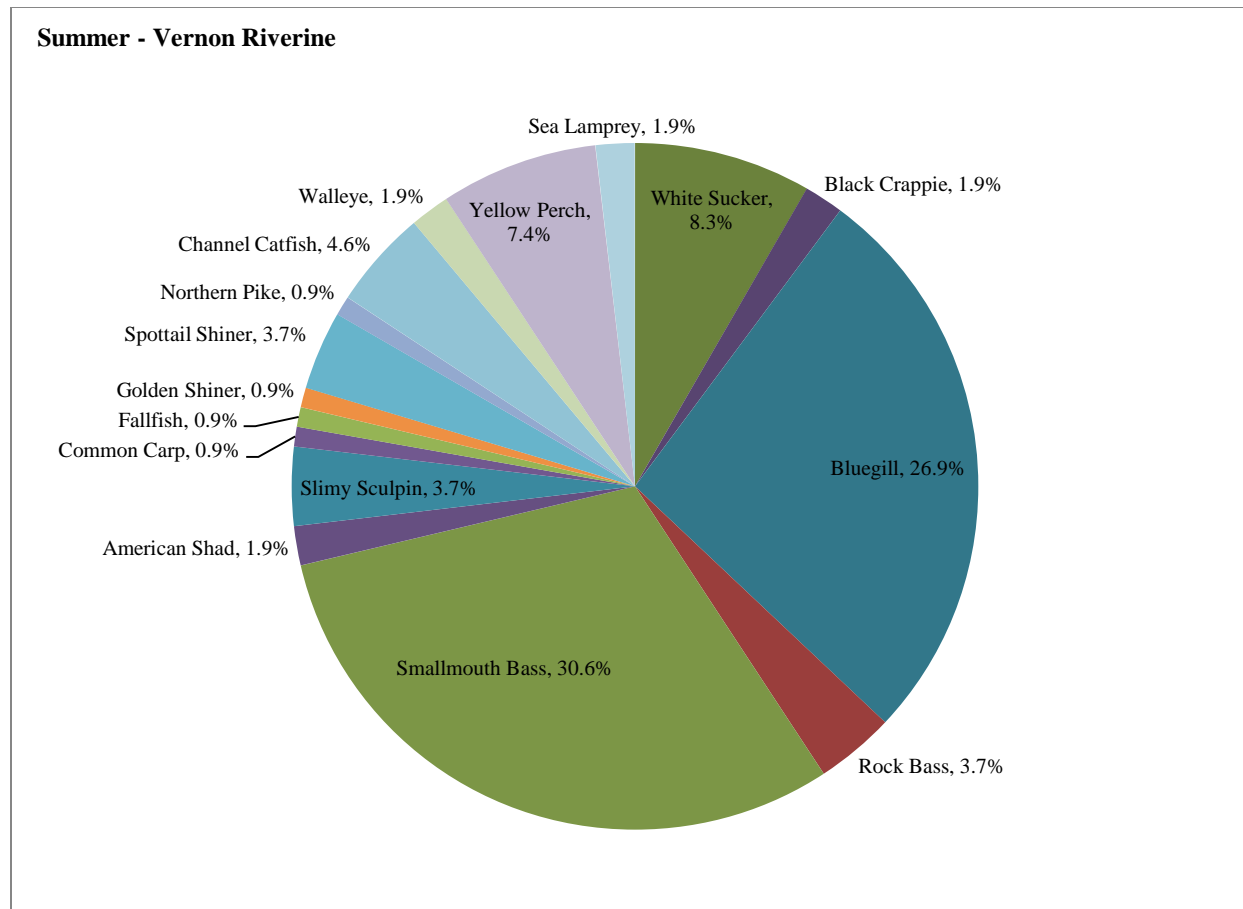


Figure J.2-10. Percent composition (%) by species for all sampling gears within the Vernon Riverine reach during the summer.

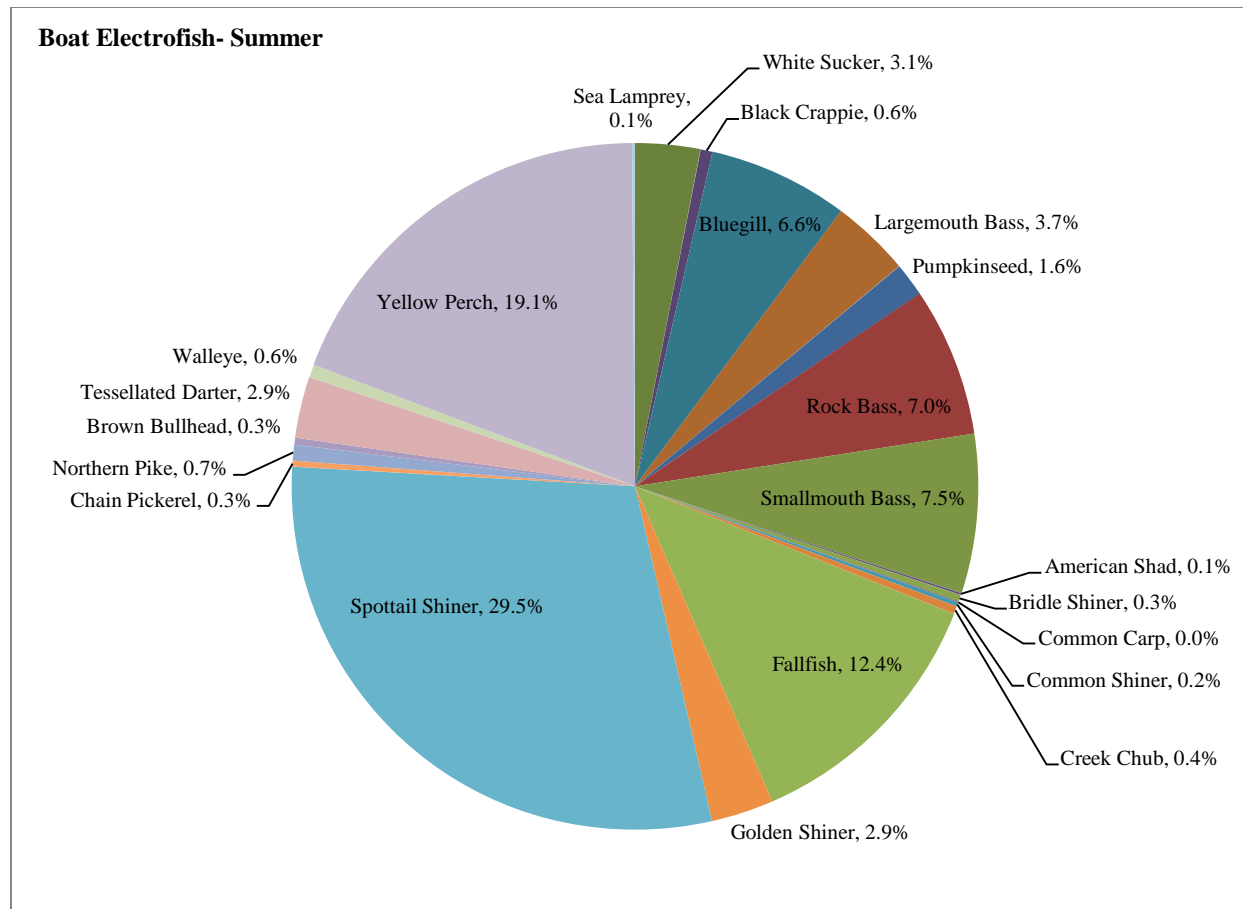


Figure J.2-11. Percent composition (%) by species for all boat electrofish samples during the summer.

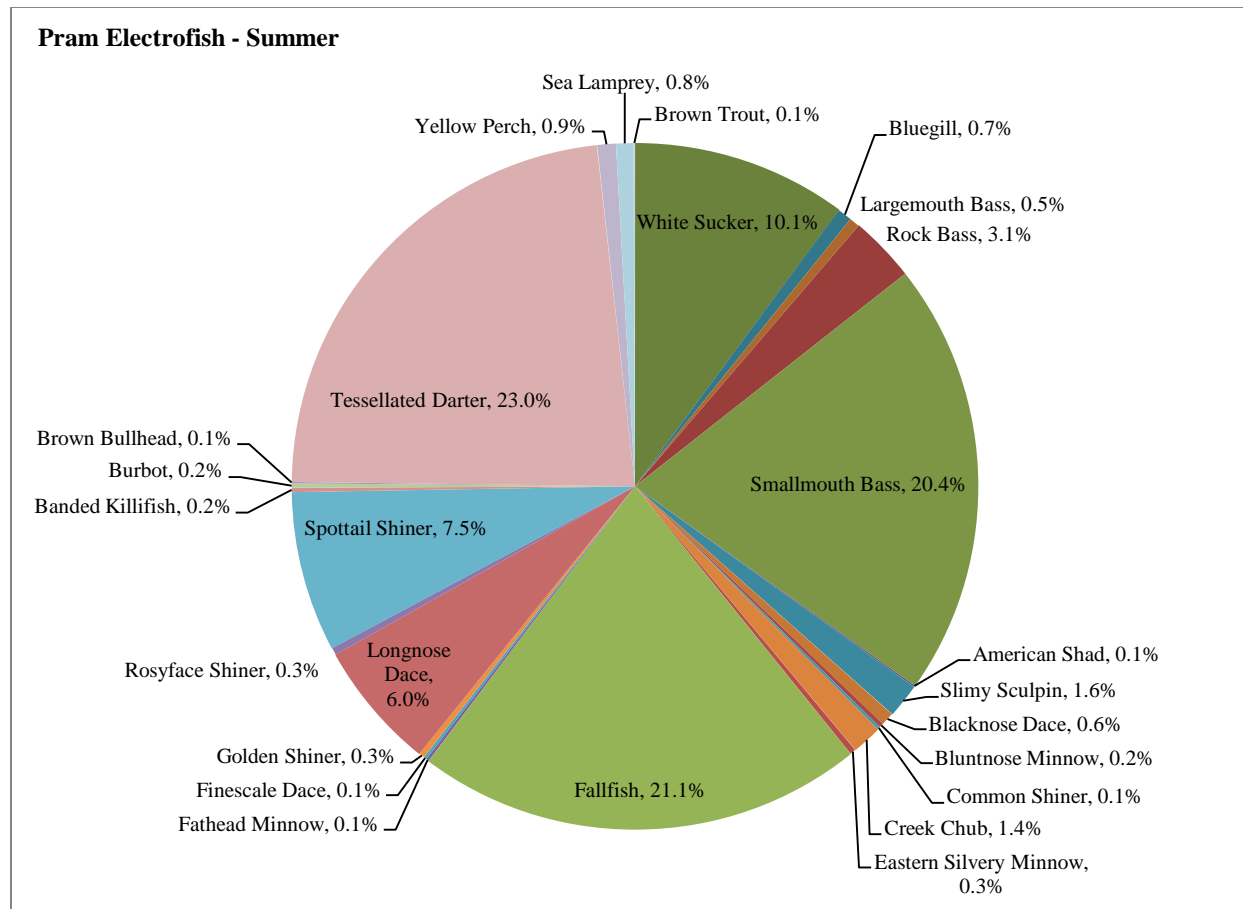


Figure J.2-12. Percent composition (%) by species for all portable electrofish samples during the summer.

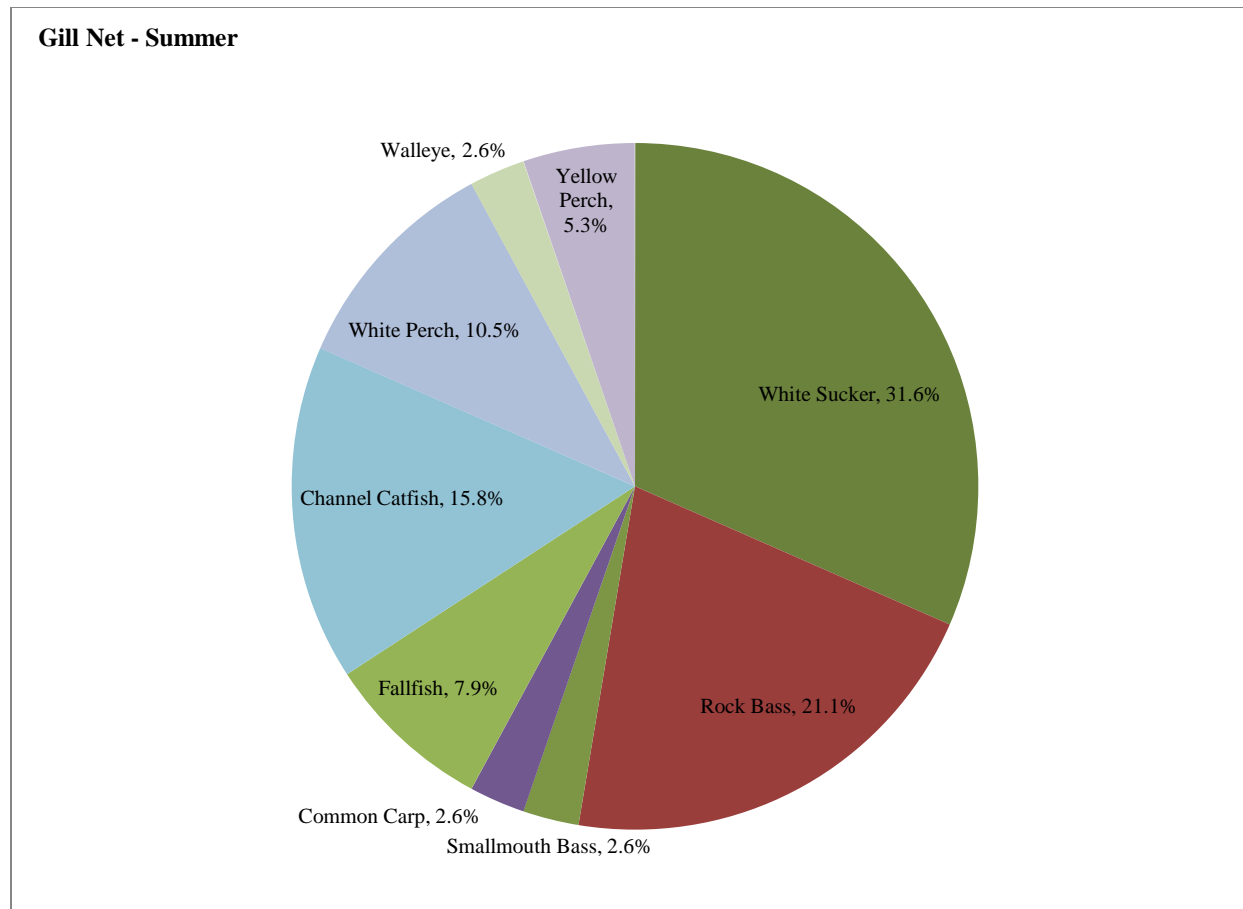


Figure J.2-13. Percent composition (%) by species for all gill net samples during the summer.

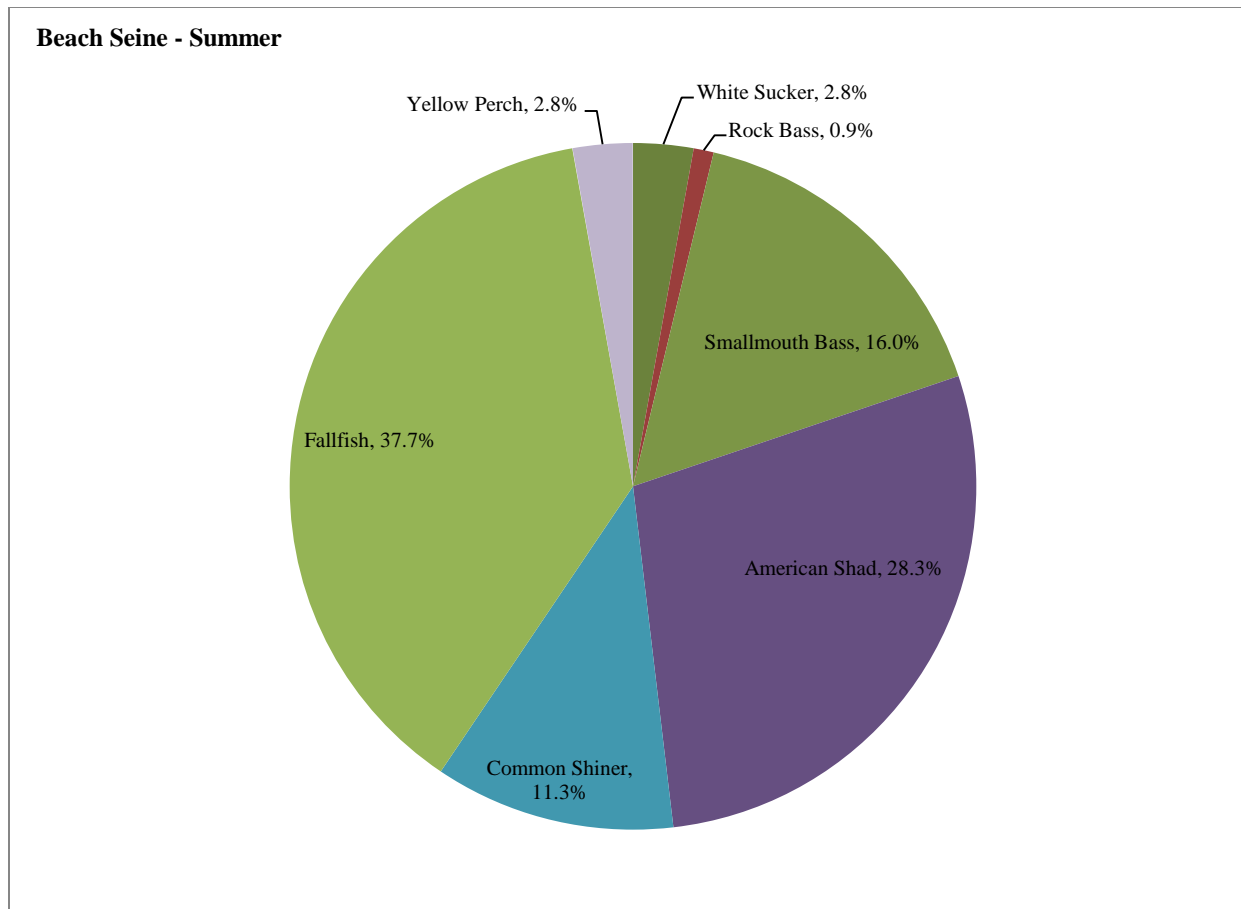


Figure J.2-14. Percent composition (%) by species for all beach seine samples during the summer.

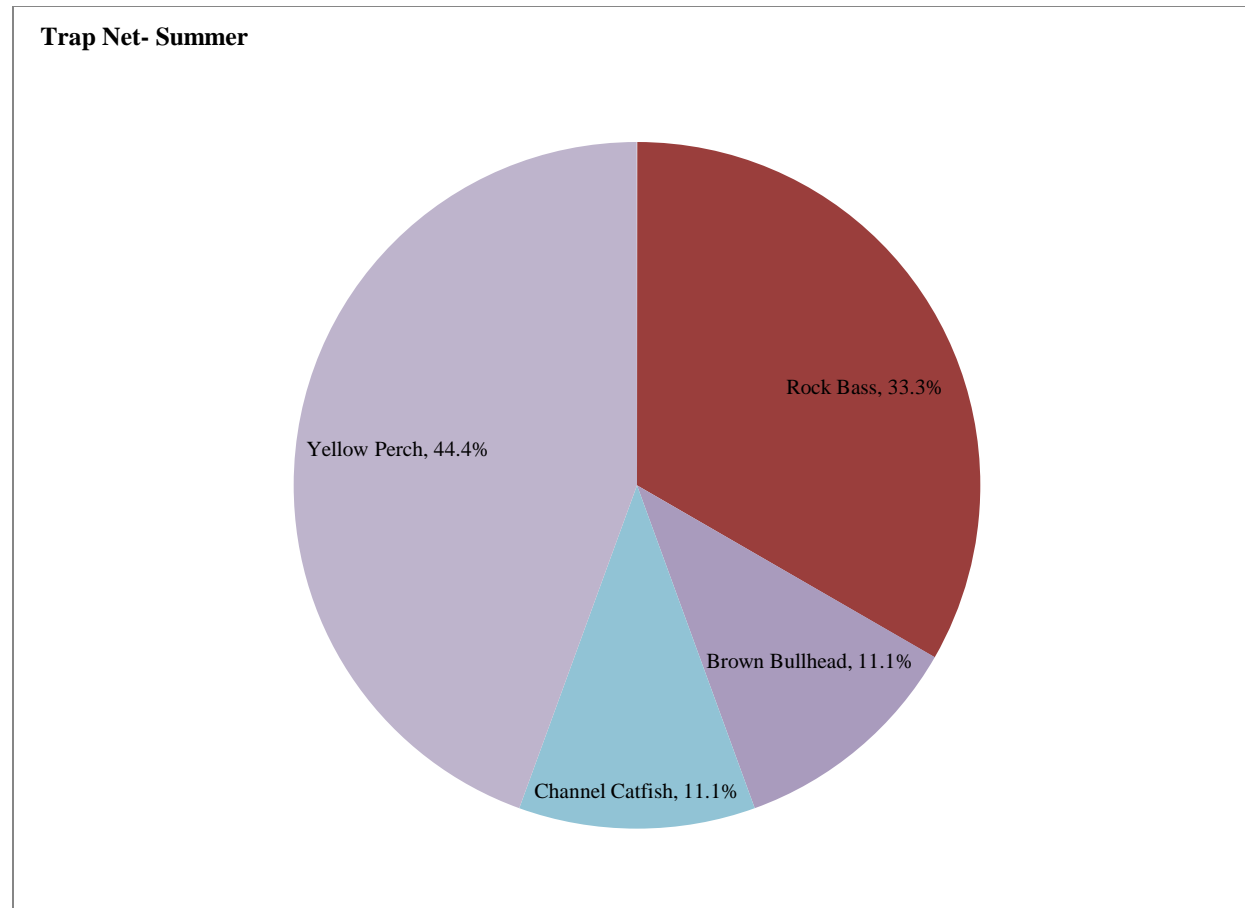


Figure J.2-15. Percent composition (%) by species for all trap net samples during the summer.

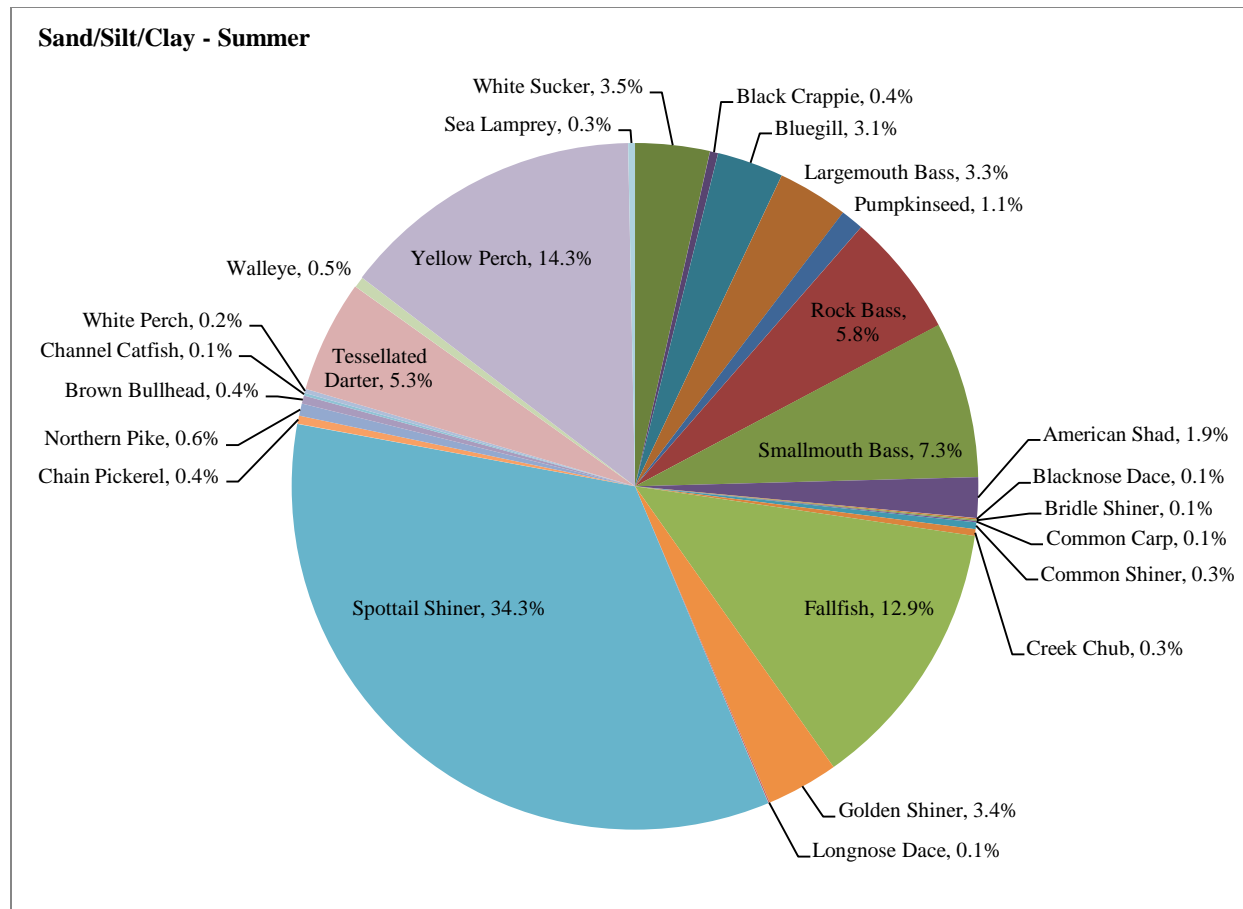


Figure J.2-16. Percent composition (%) by species for all samples collected from sand-silt-clay map-units during the summer.

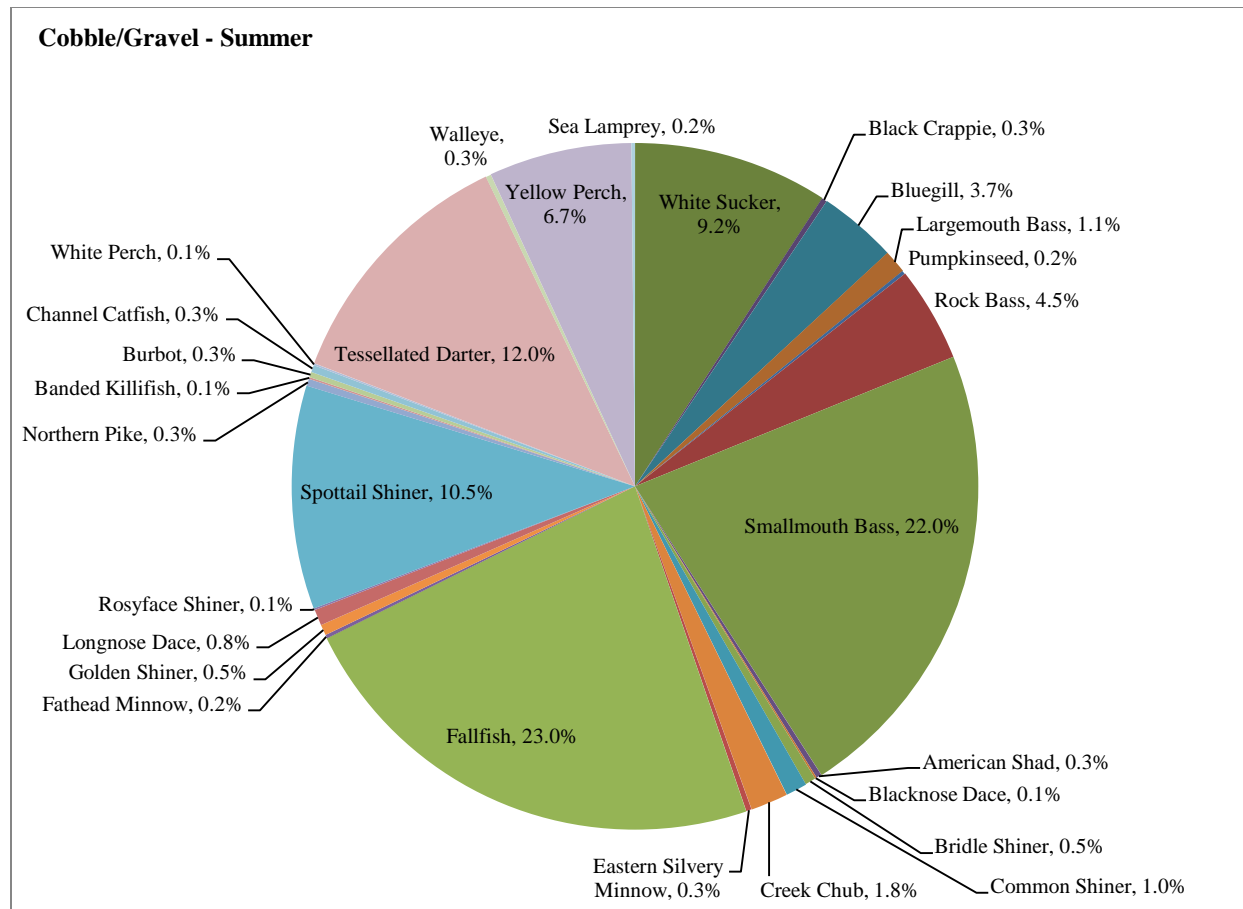


Figure J.2-17. Percent composition (%) by species for all samples collected from cobble-gravel map-units during the summer.

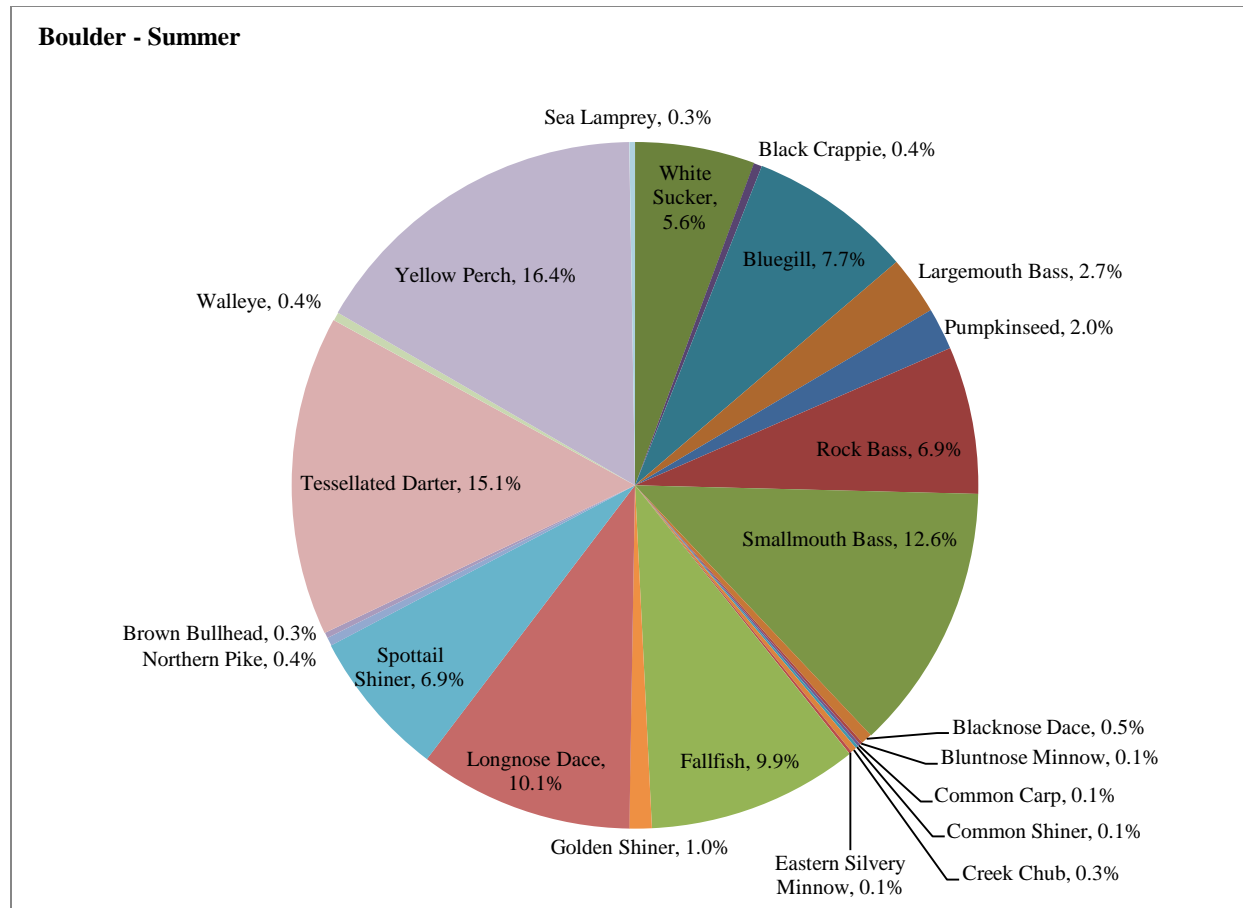


Figure J.2-18. Percent composition (%) by species for all samples collected from boulder map-units during the summer.

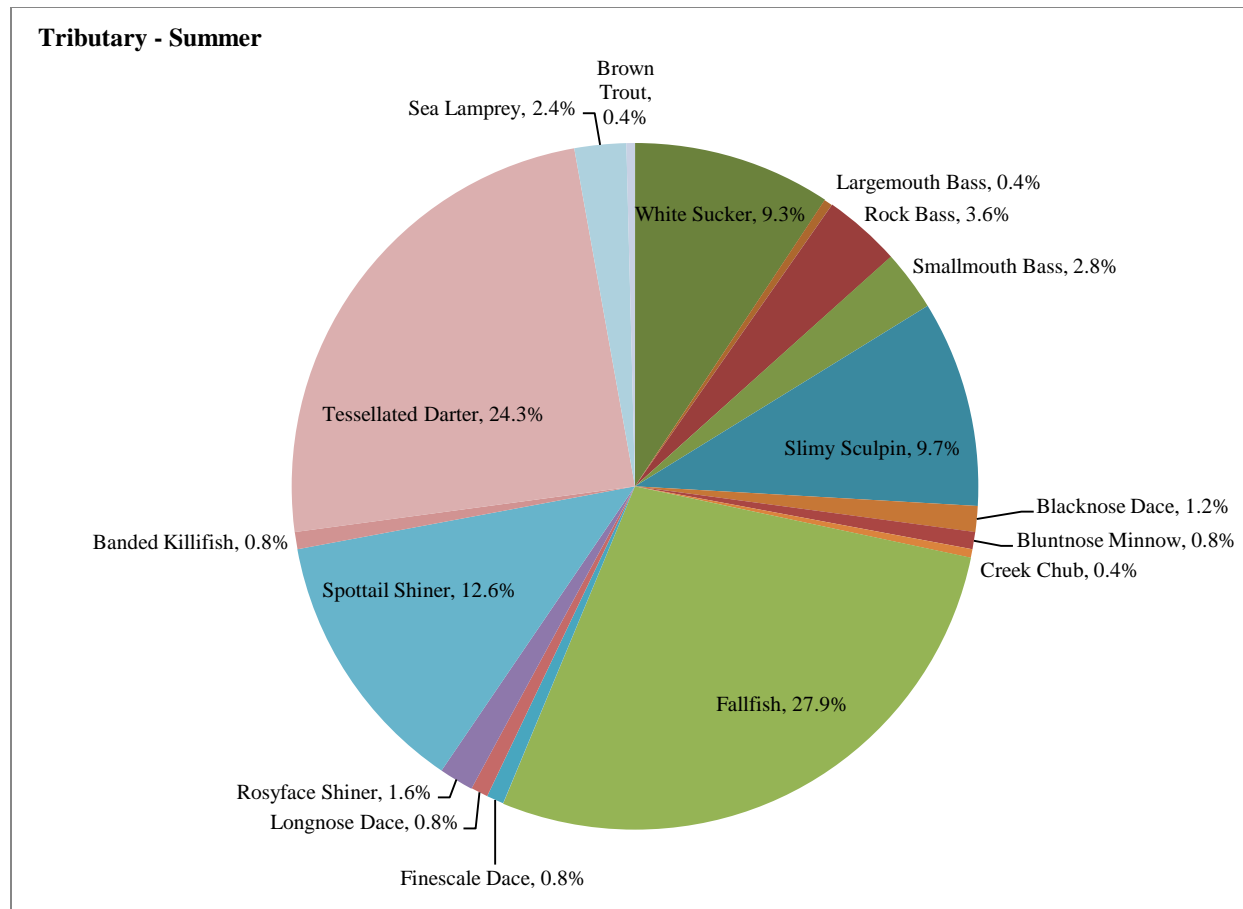


Figure J.2-19. Percent composition (%) by species for all samples collected from project-affected tributary reaches during the summer.

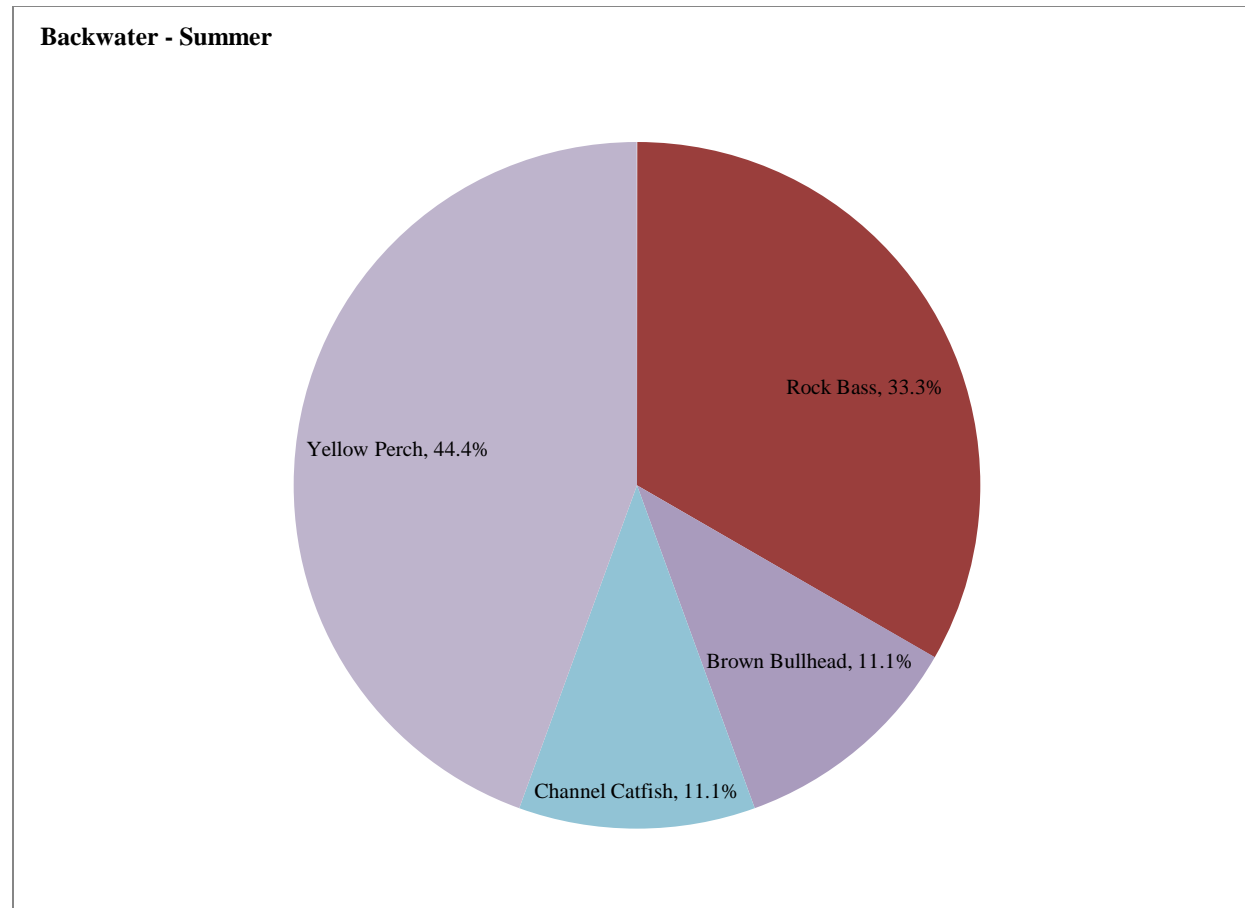


Figure J.2-20. Percent composition (%) by species for all samples collected from project-affected backwaters during the summer.

PERCENT COMPOSITION: FALL

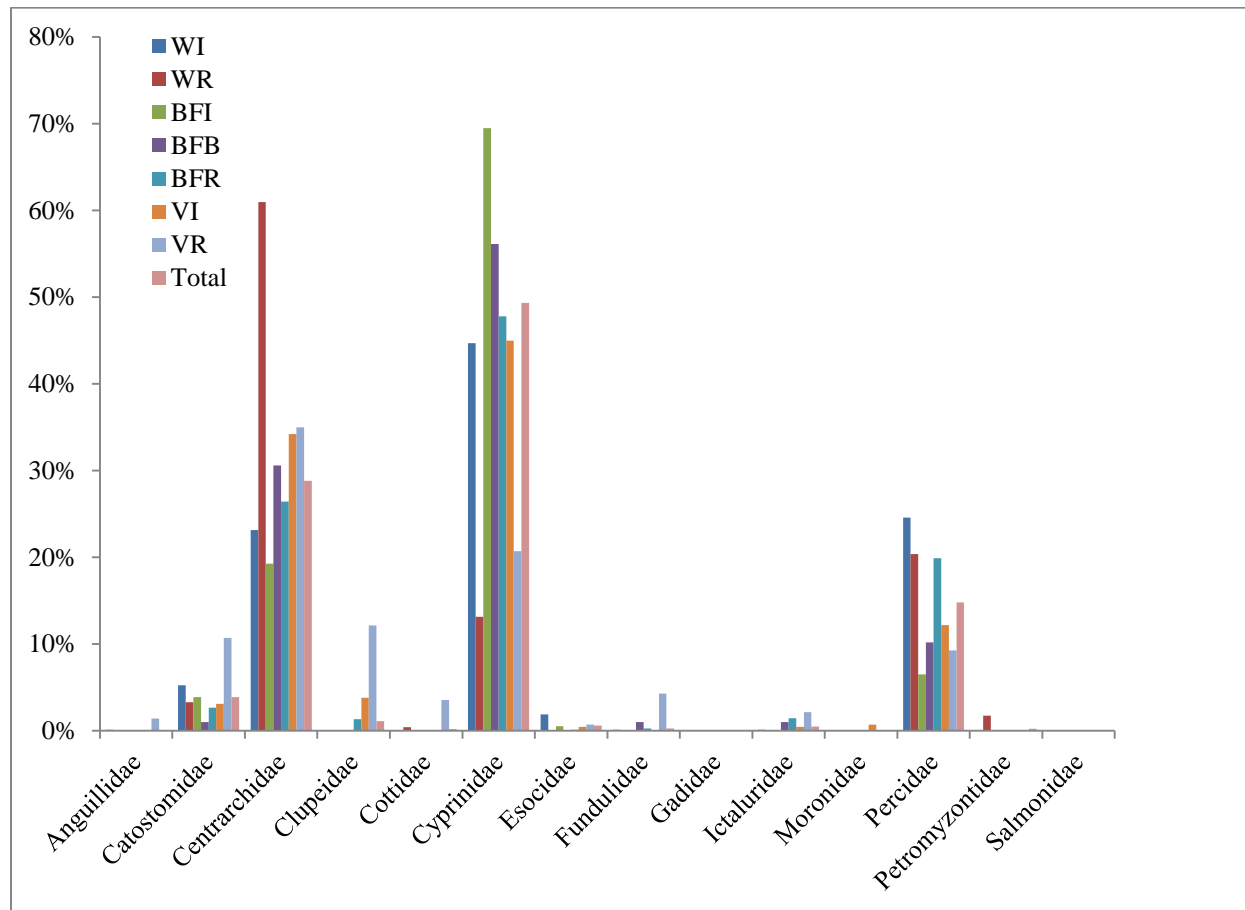


Figure J.3-1. Percent composition (%) by taxonomic family and river reach for all sampling gears during the fall.

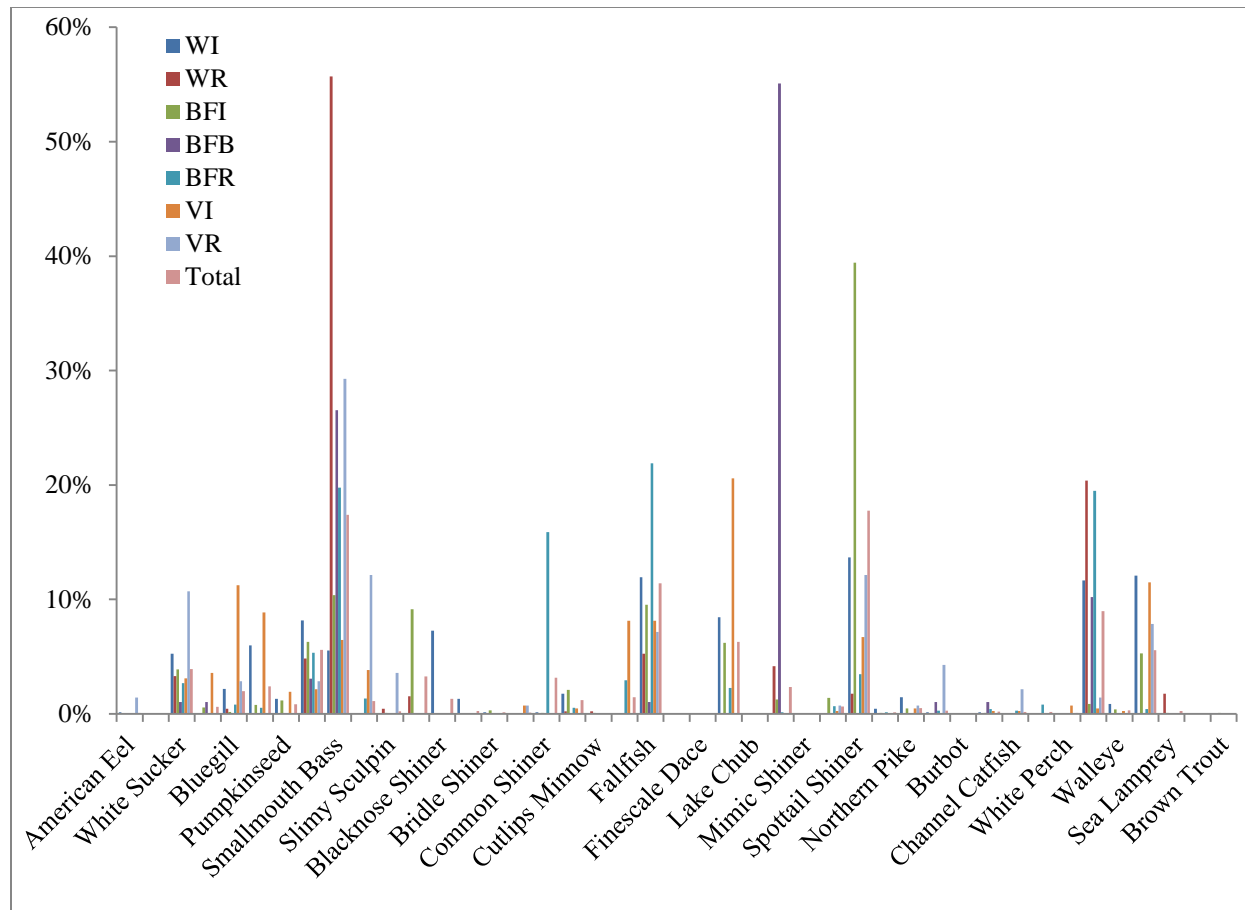


Figure J.3-2. Percent composition (%) by species and river reach for all sampling gears during the fall.

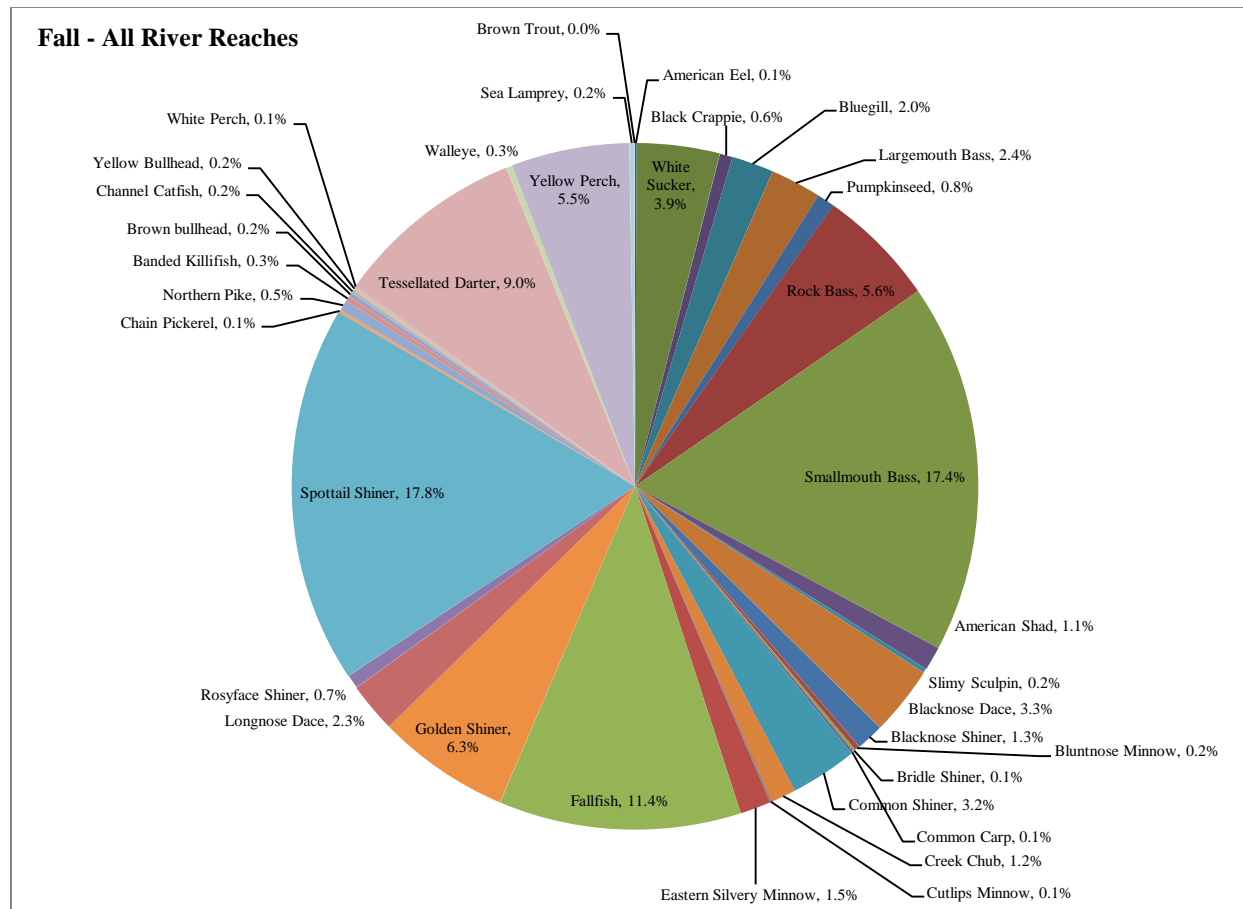


Figure J.3-3. Percent composition (%) by species for all sampling gears within all river reaches during the fall.

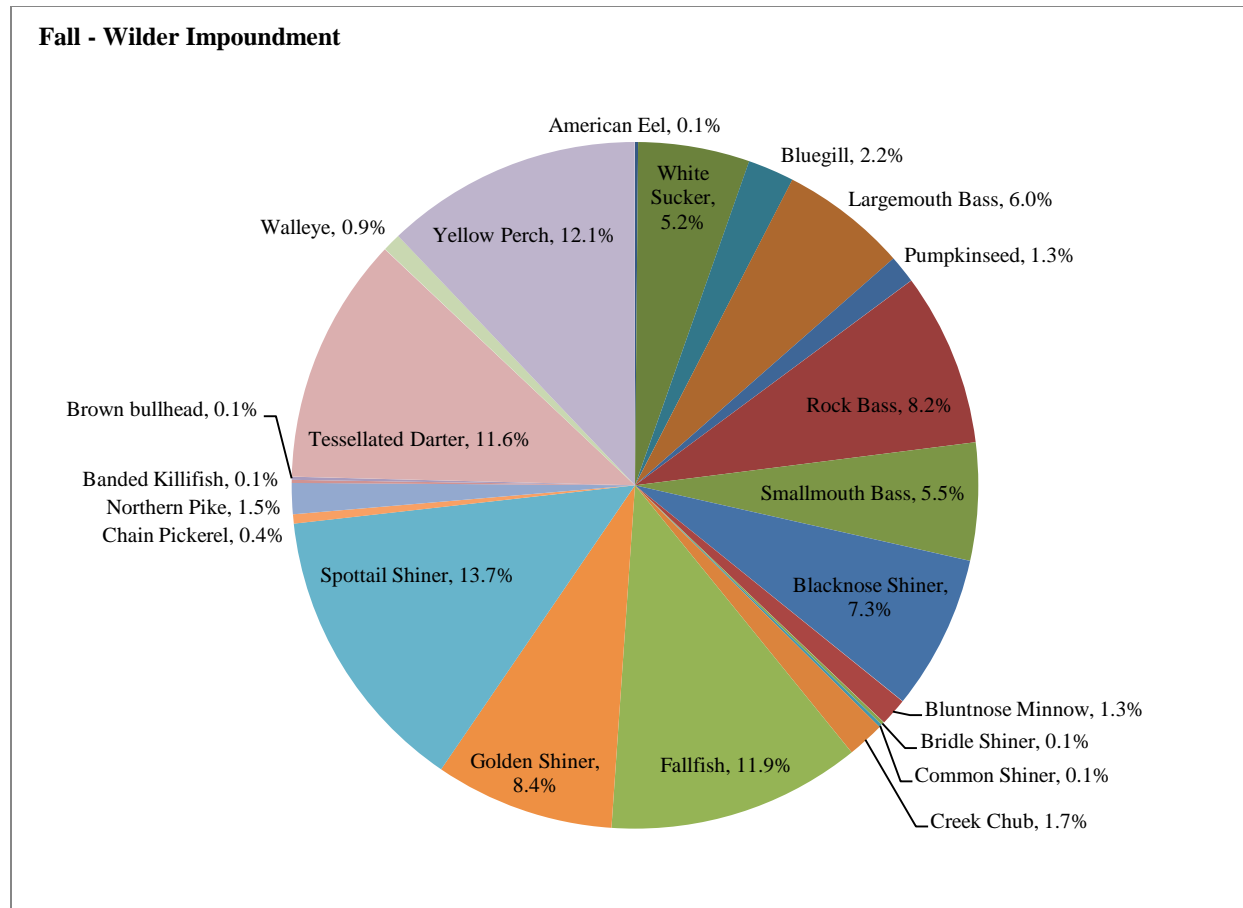


Figure J.3-4. Percent composition (%) by species for all sampling gears within the Wilder impoundment reach during the fall.

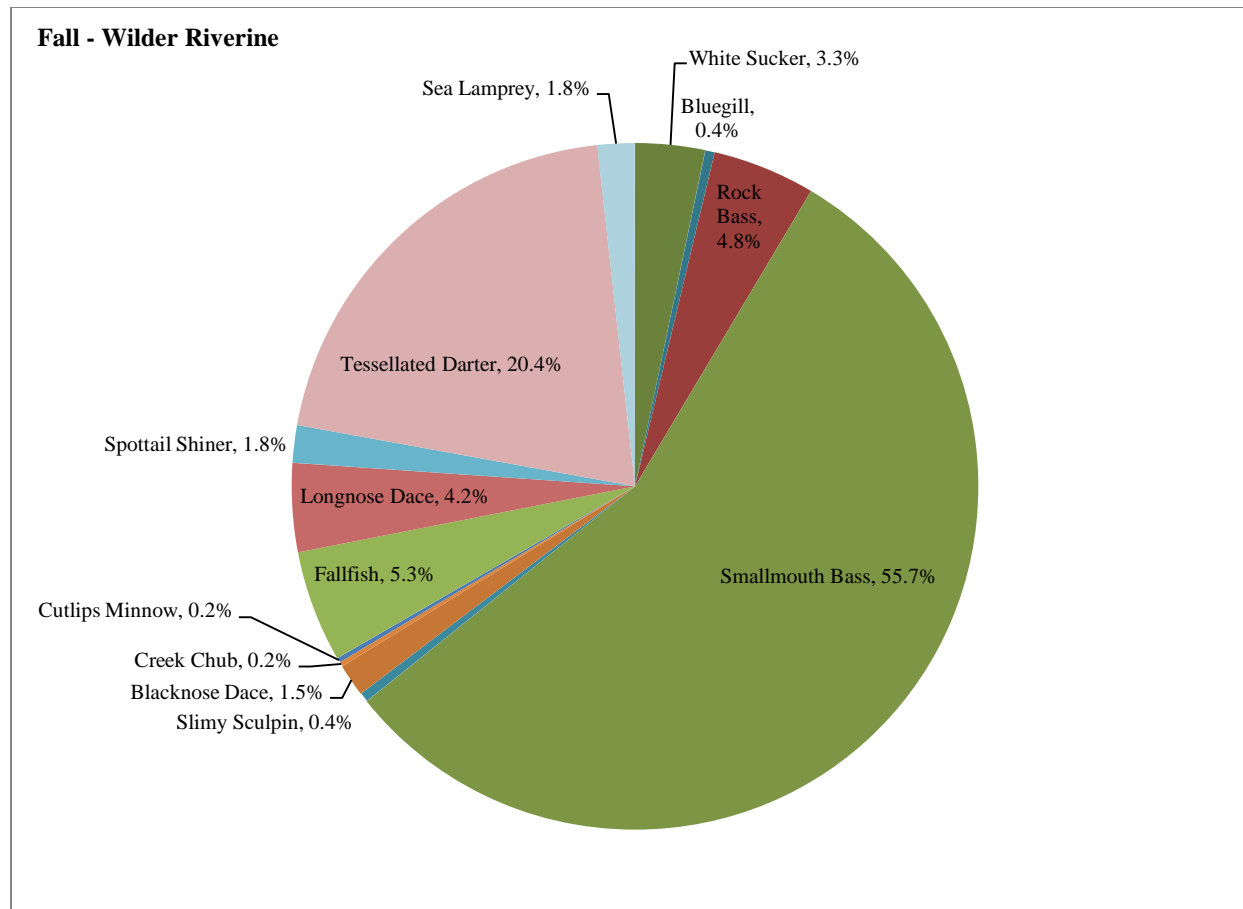


Figure J.3-5. Percent composition (%) by species for all sampling gears within the Wilder riverine reach during the fall.

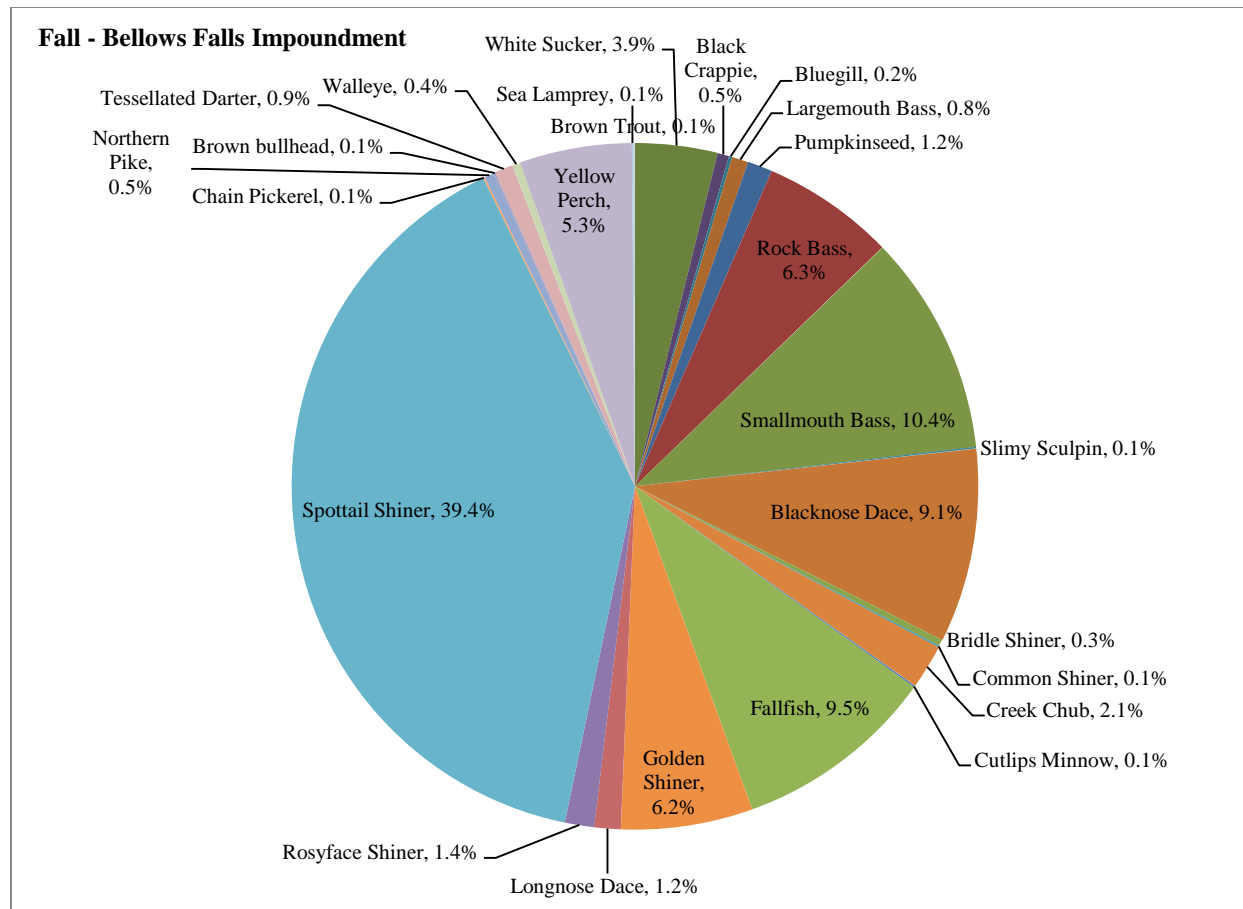


Figure J.3-6. Percent composition (%) by species for all sampling gears within the Bellows Falls impoundment reach during the fall.

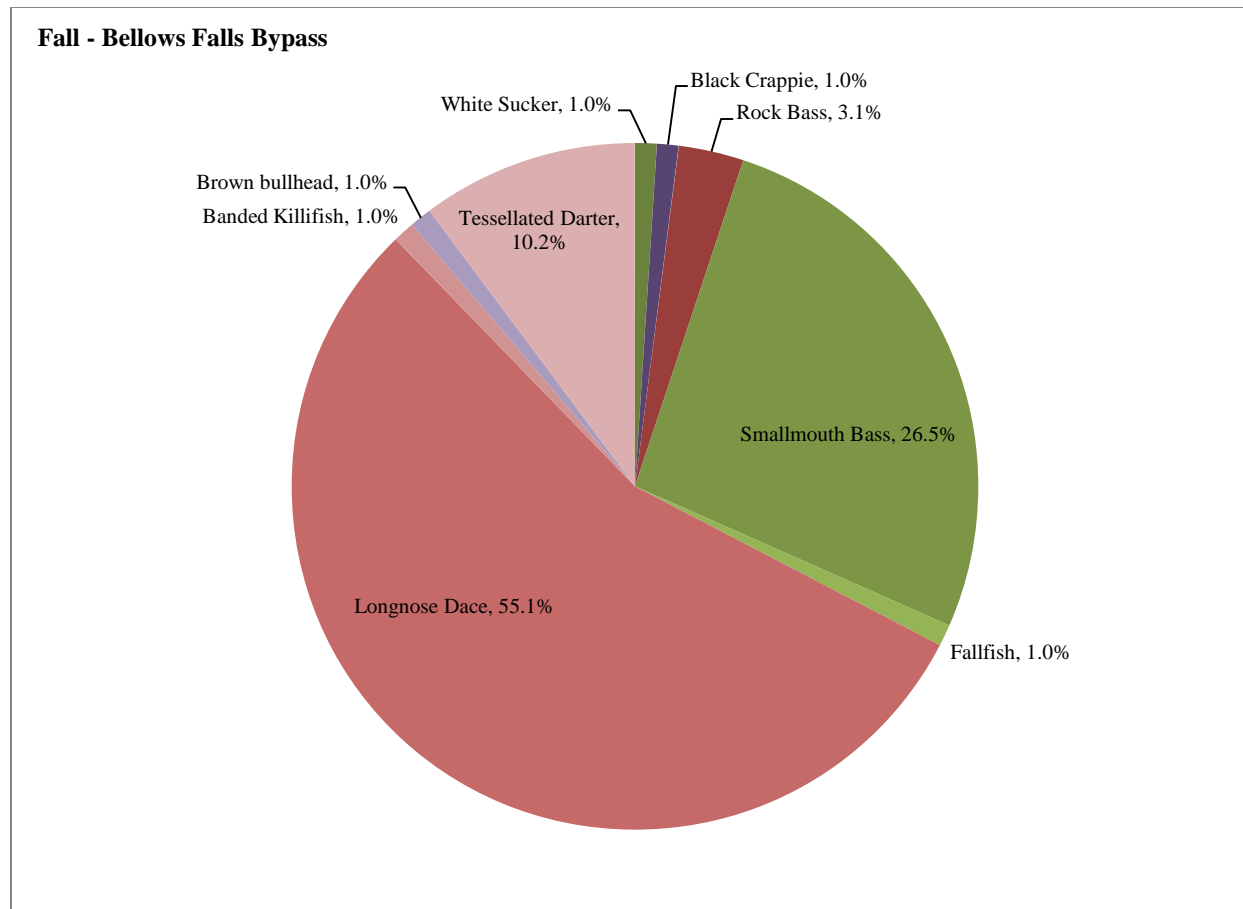


Figure J.3-7. Percent composition (%) by species for all sampling gears within the Bellows Falls bypassed reach during the fall.

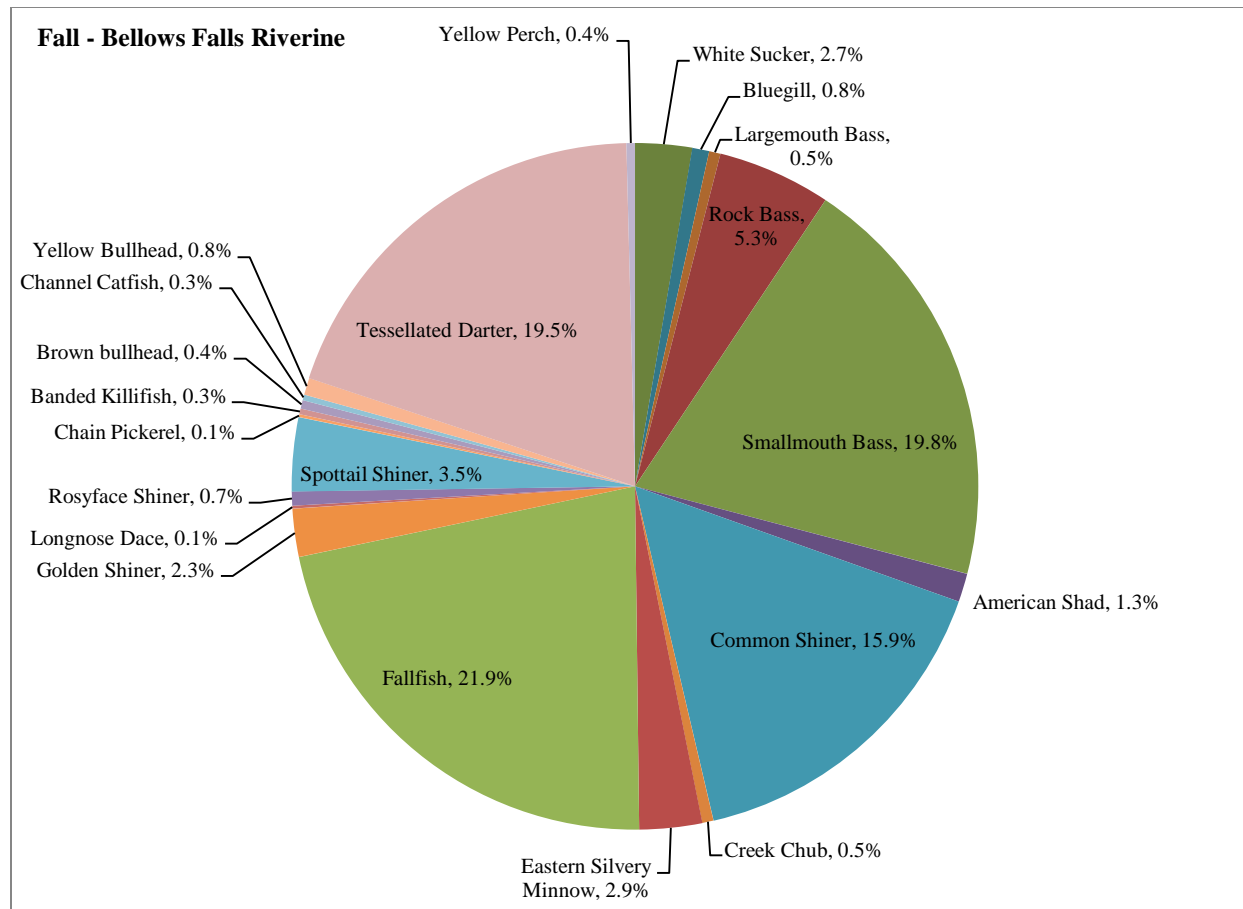


Figure J.3-8. Percent composition (%) by species for all sampling gears within the Bellows Falls riverine reach during the fall.

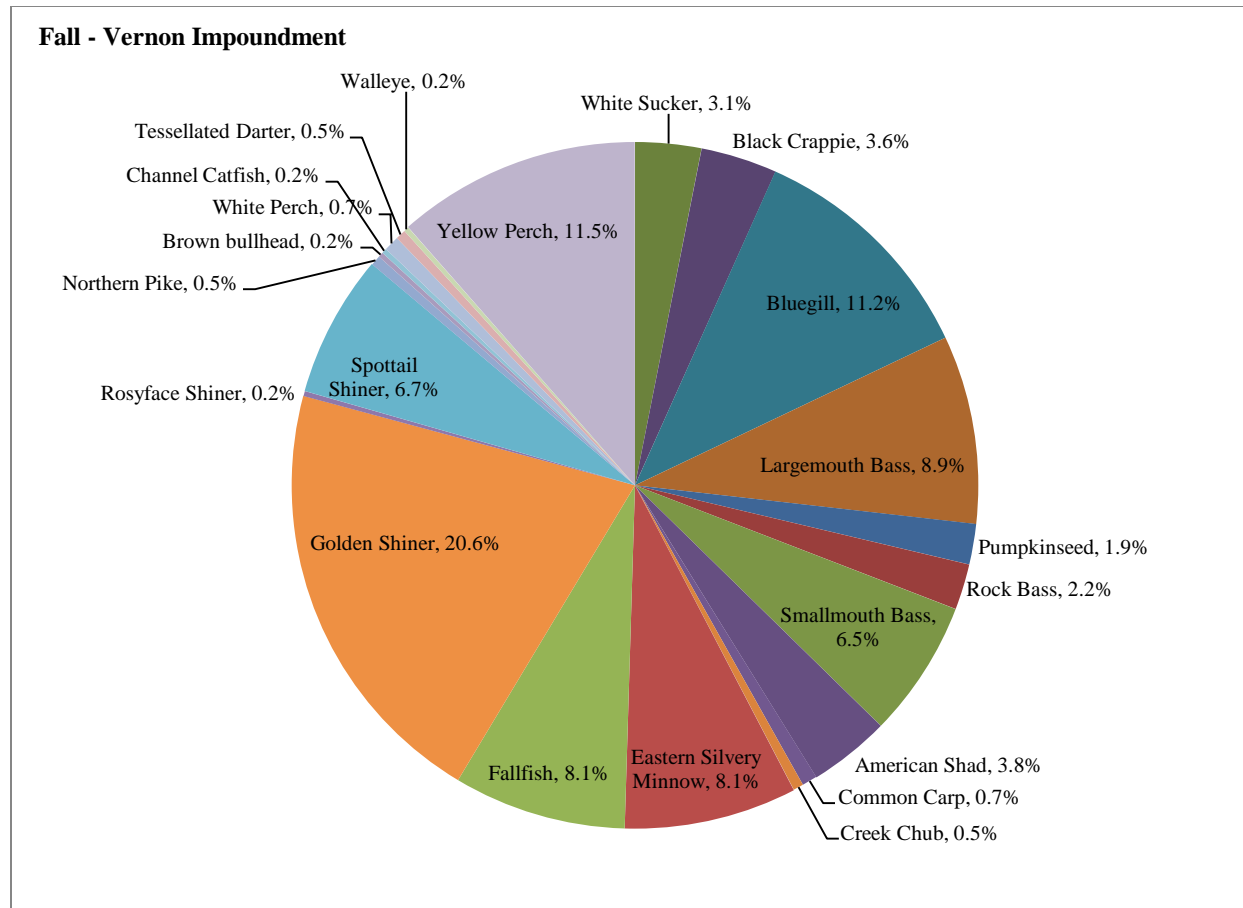


Figure J.3-9. Percent composition (%) by species for all sampling gears within the Vernon impoundment reach during the fall.

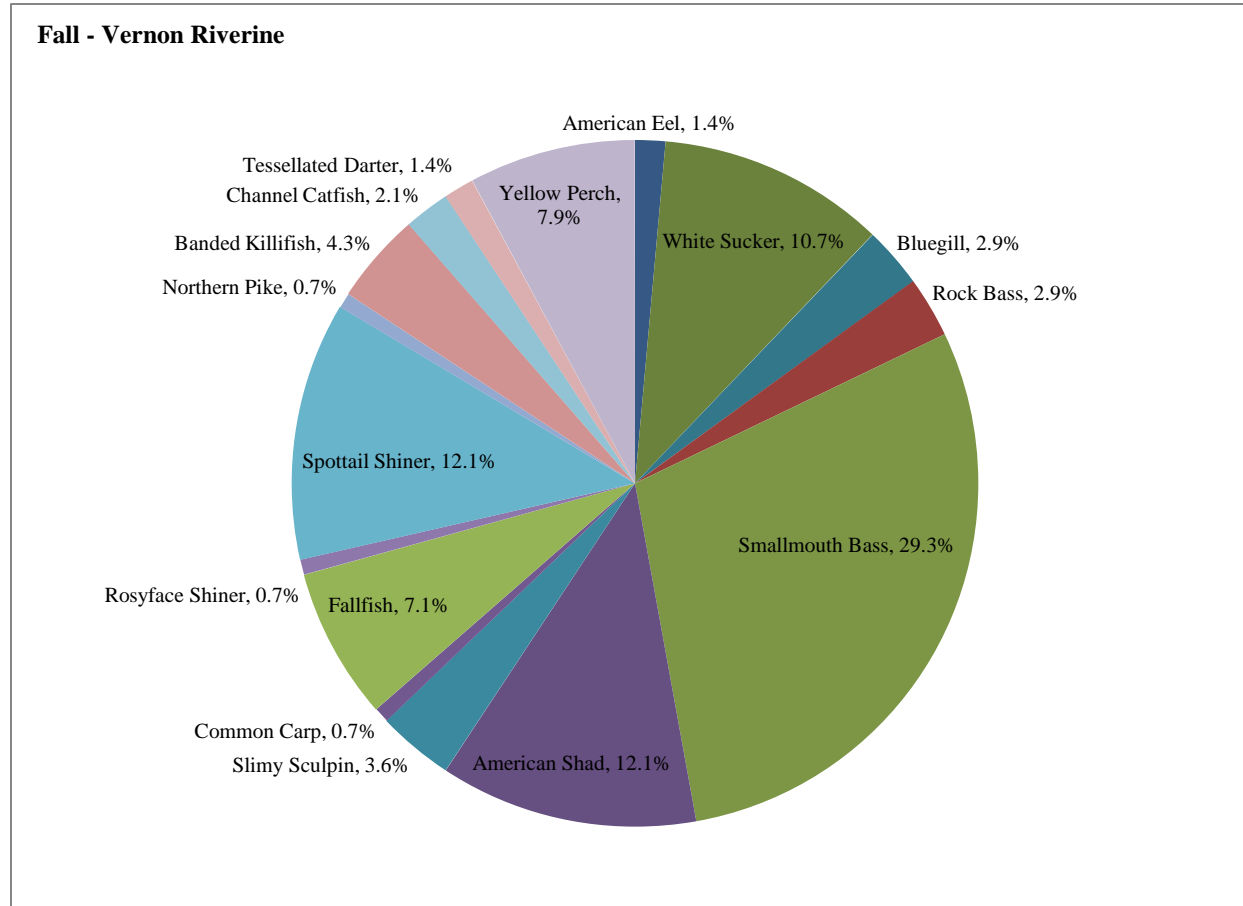


Figure J.2-10. Percent composition (%) by species for all sampling gears within the Vernon riverine reach during the fall.

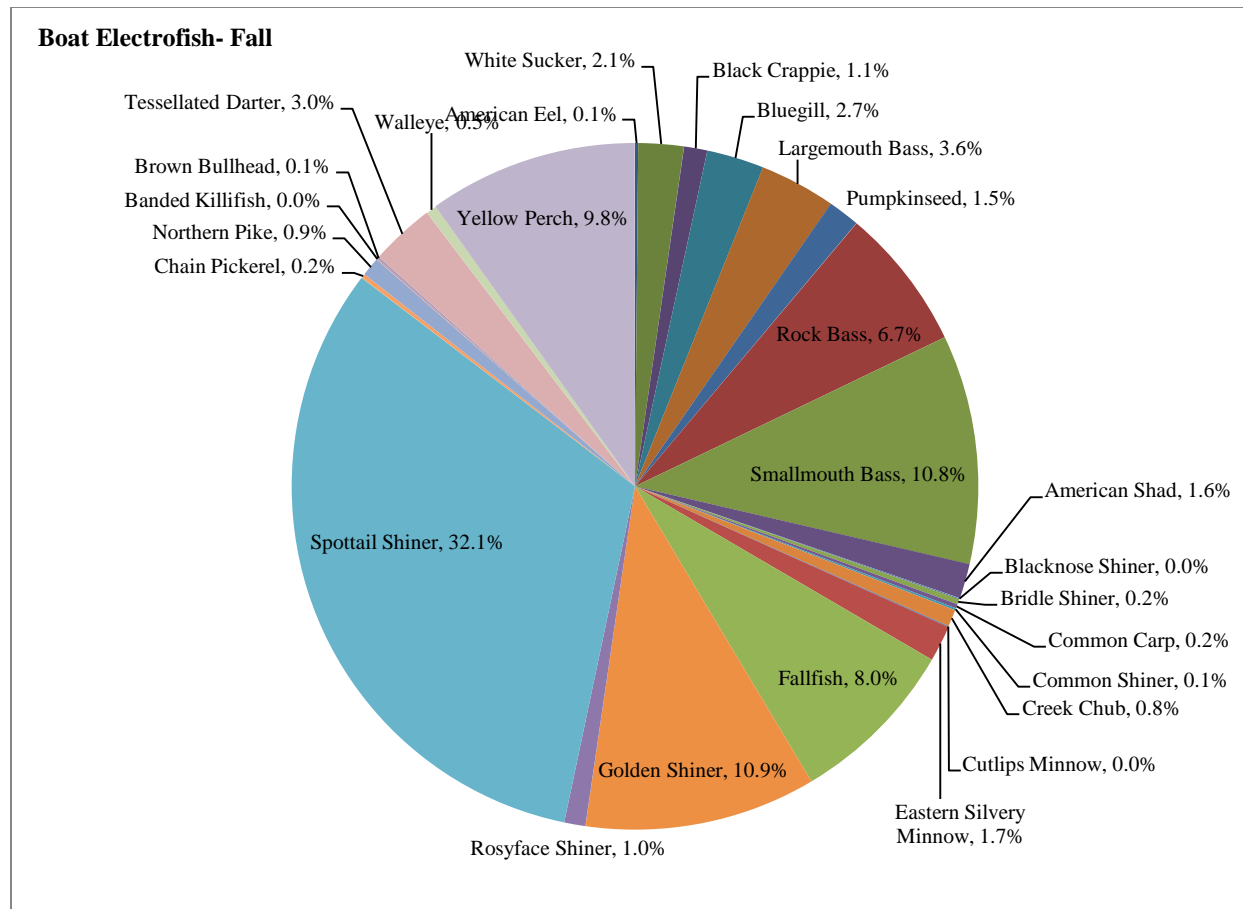


Figure J.3-11. Percent composition (%) by species for all boat electrofish samples during the fall.

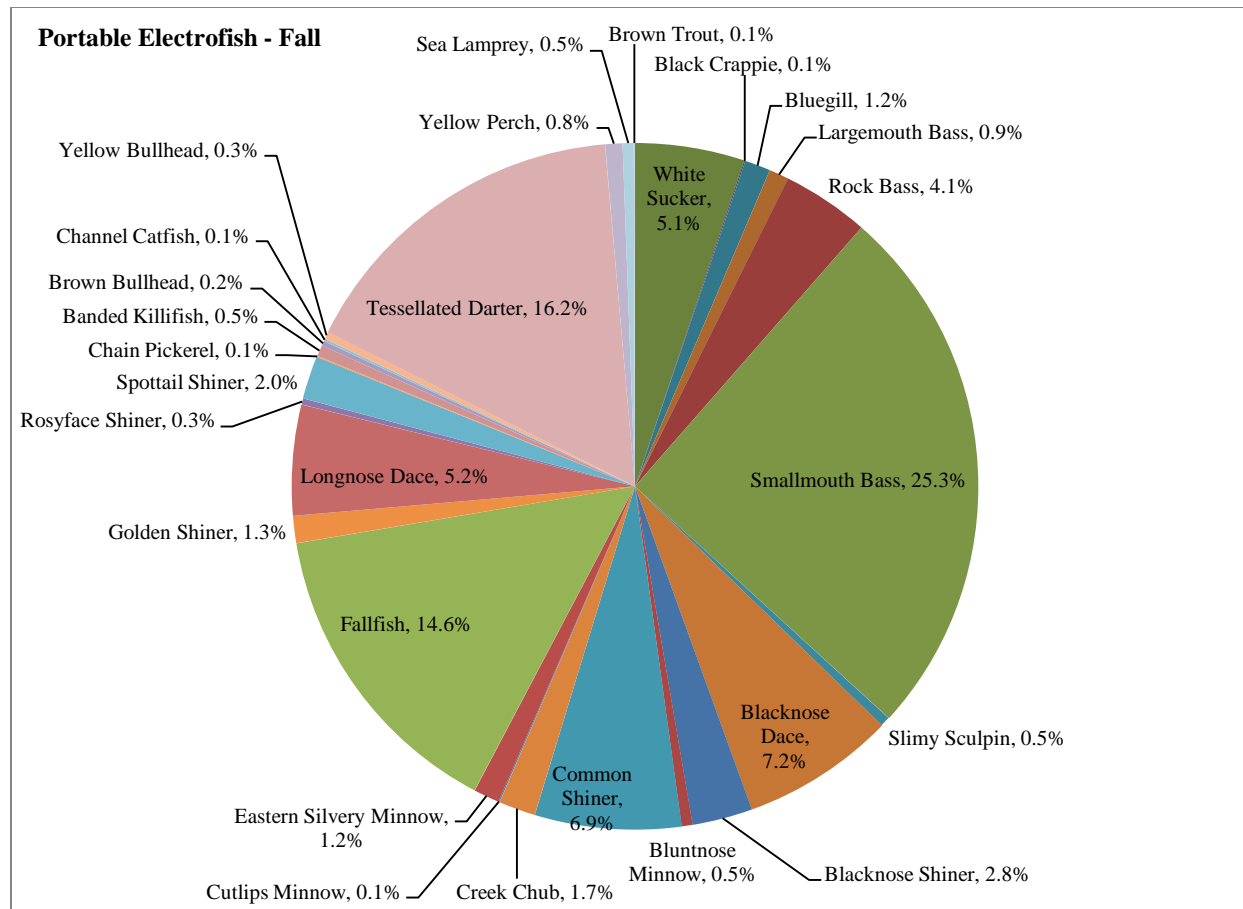


Figure J.3-12. Percent composition (%) by species for all portable electrofish samples during the fall.

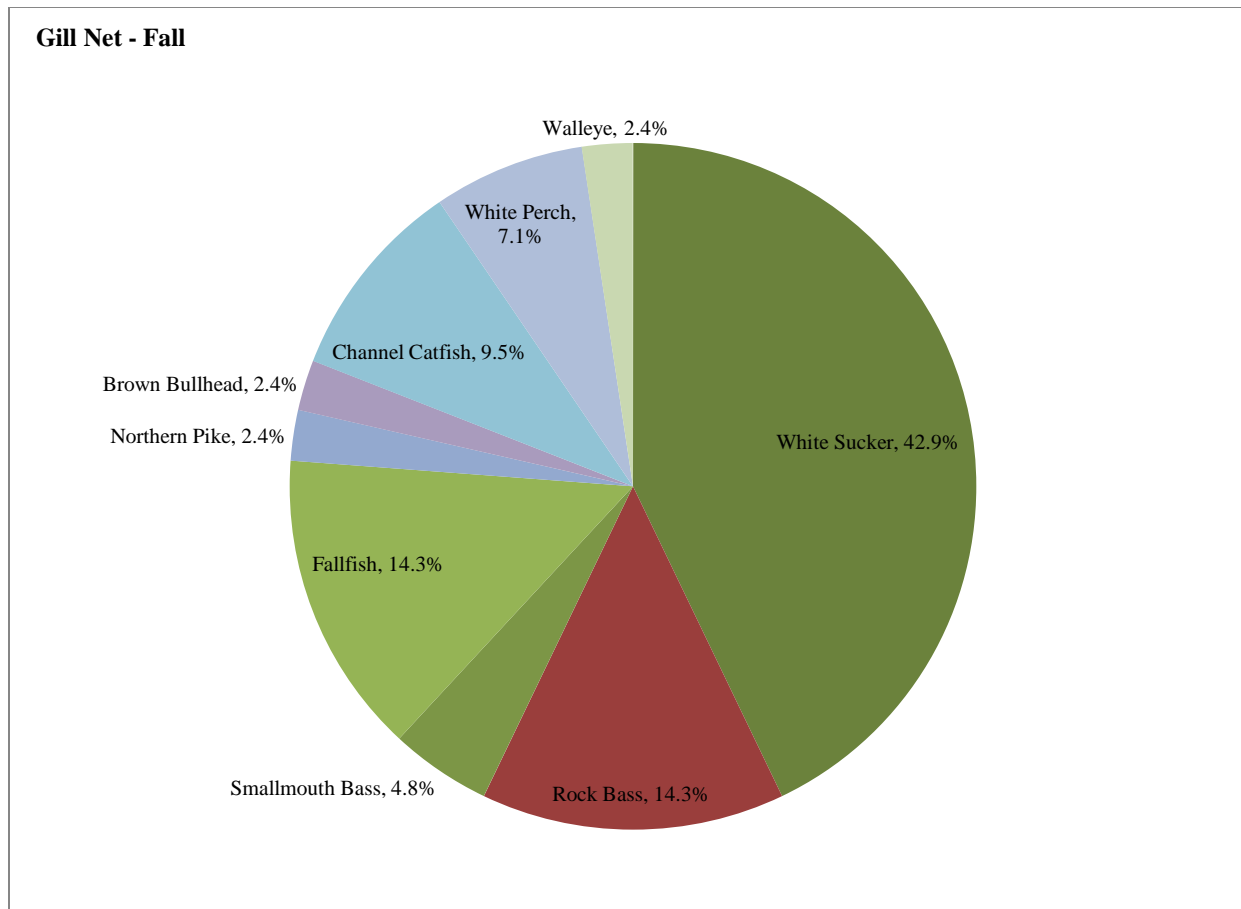


Figure J.3-13. Percent composition (%) by species for all gill net samples during the fall.

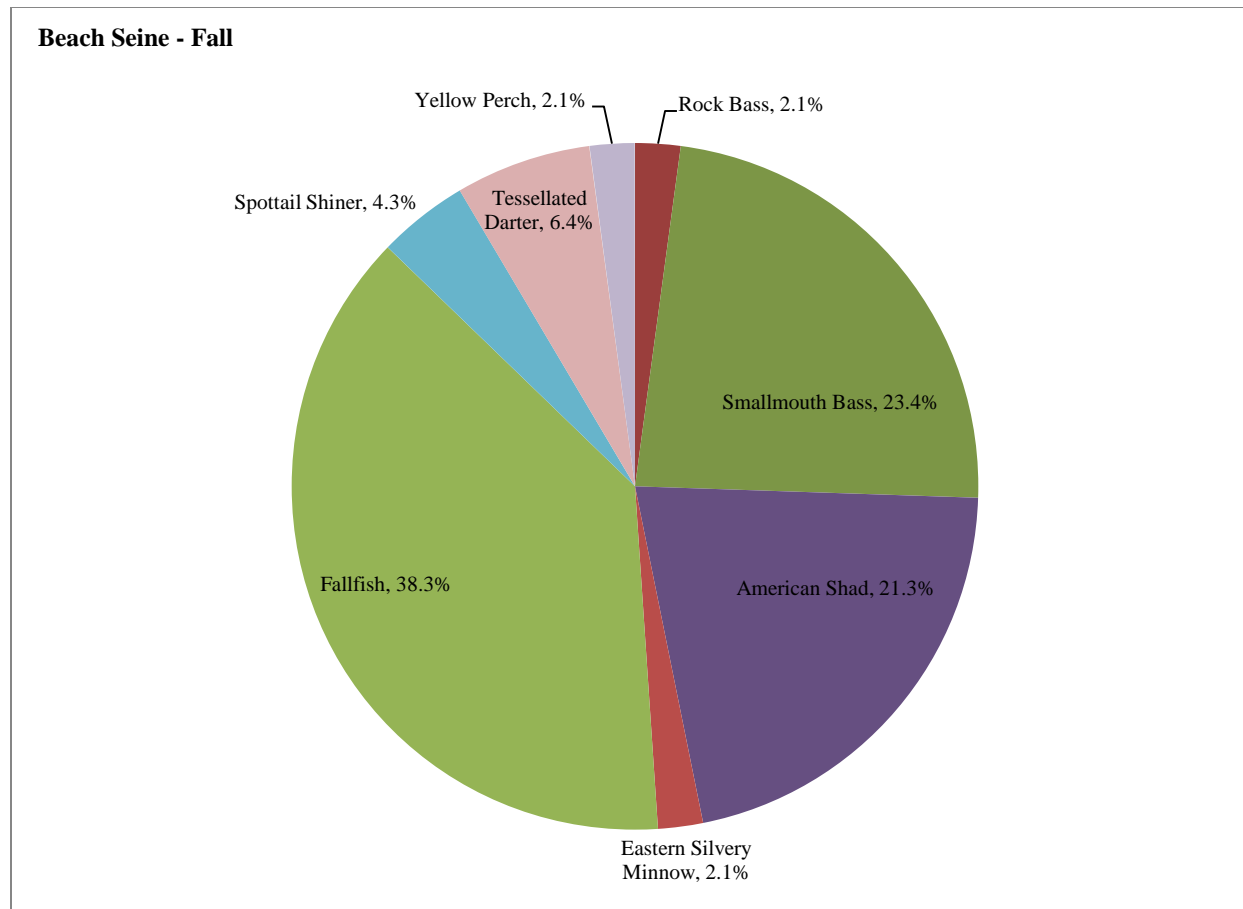


Figure J.3-14. Percent composition (%) by species for all beach seine samples during the fall.

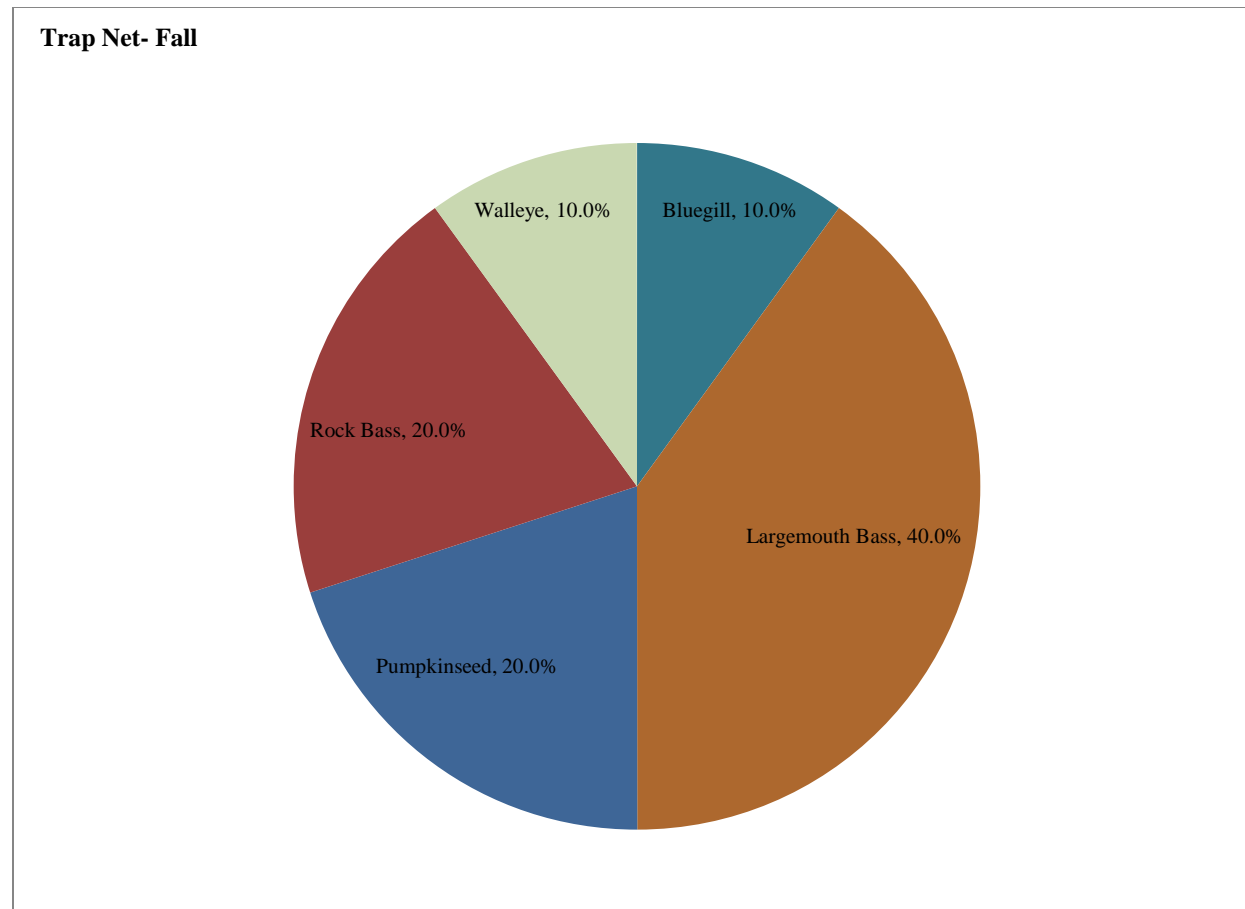


Figure J.3-15. Percent composition (%) by species for all trap net samples during the fall.

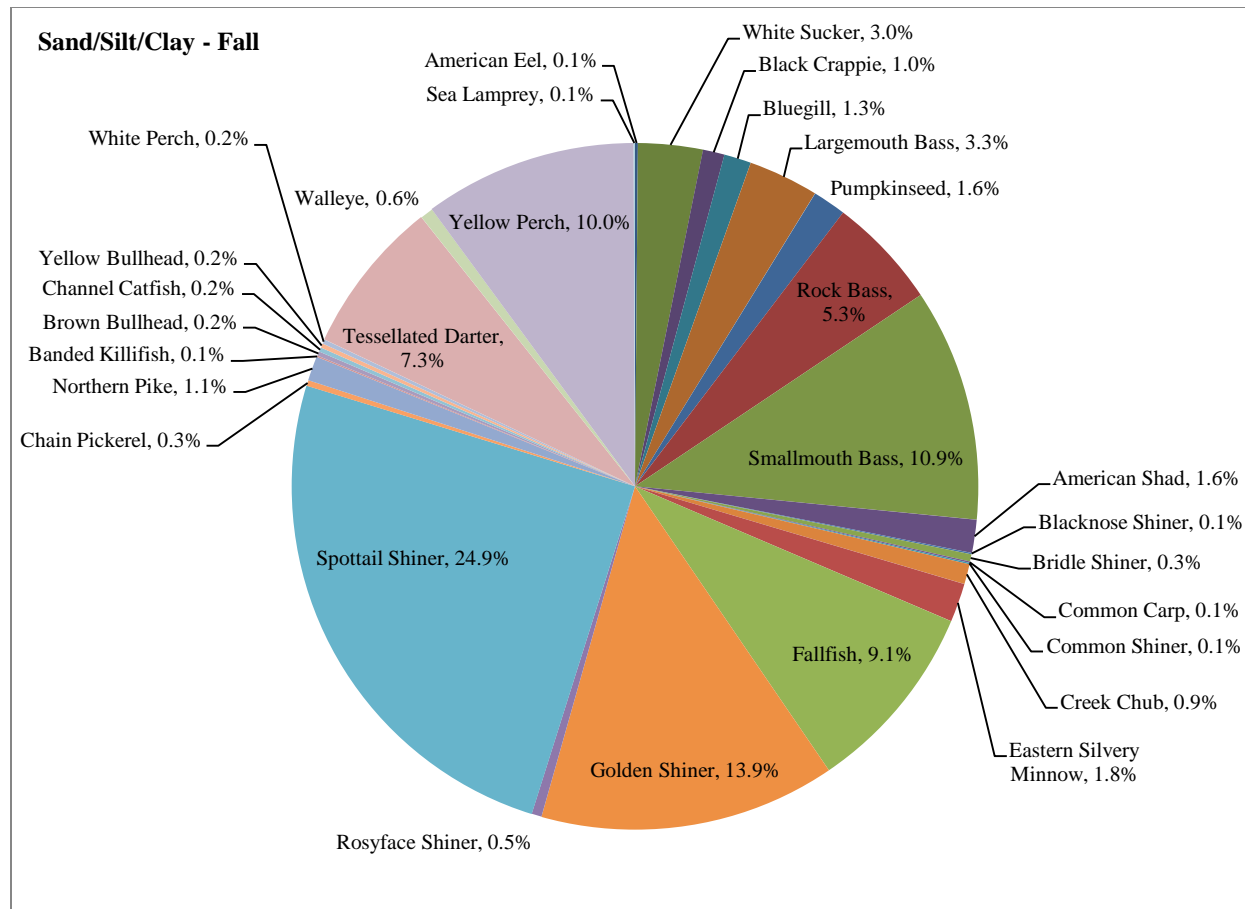


Figure J.3-16. Percent composition (%) by species for all samples collected from sand-silt-clay map-units during the fall.

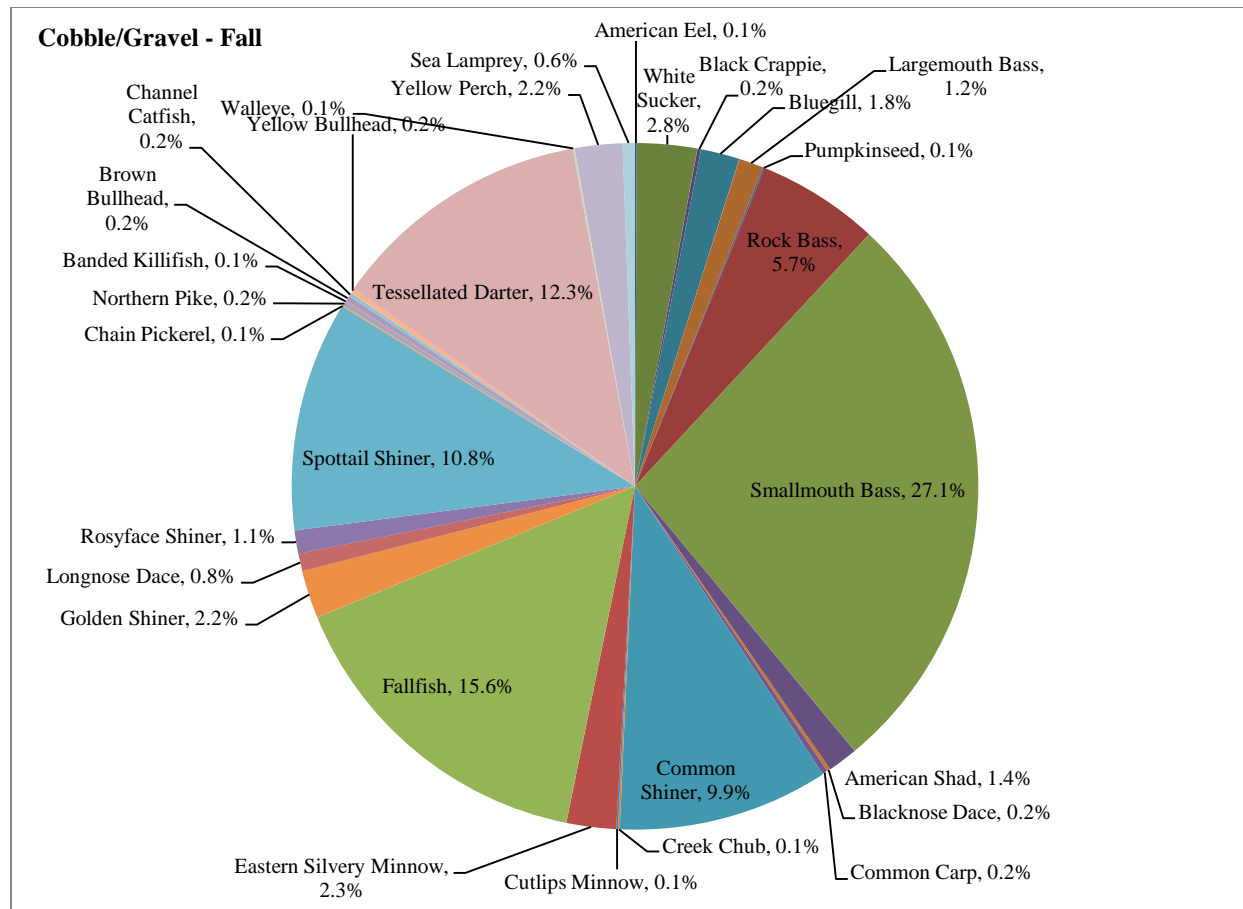


Figure J.3-17. Percent composition (%) by species for all samples collected from cobble-gravel map-units during the fall.

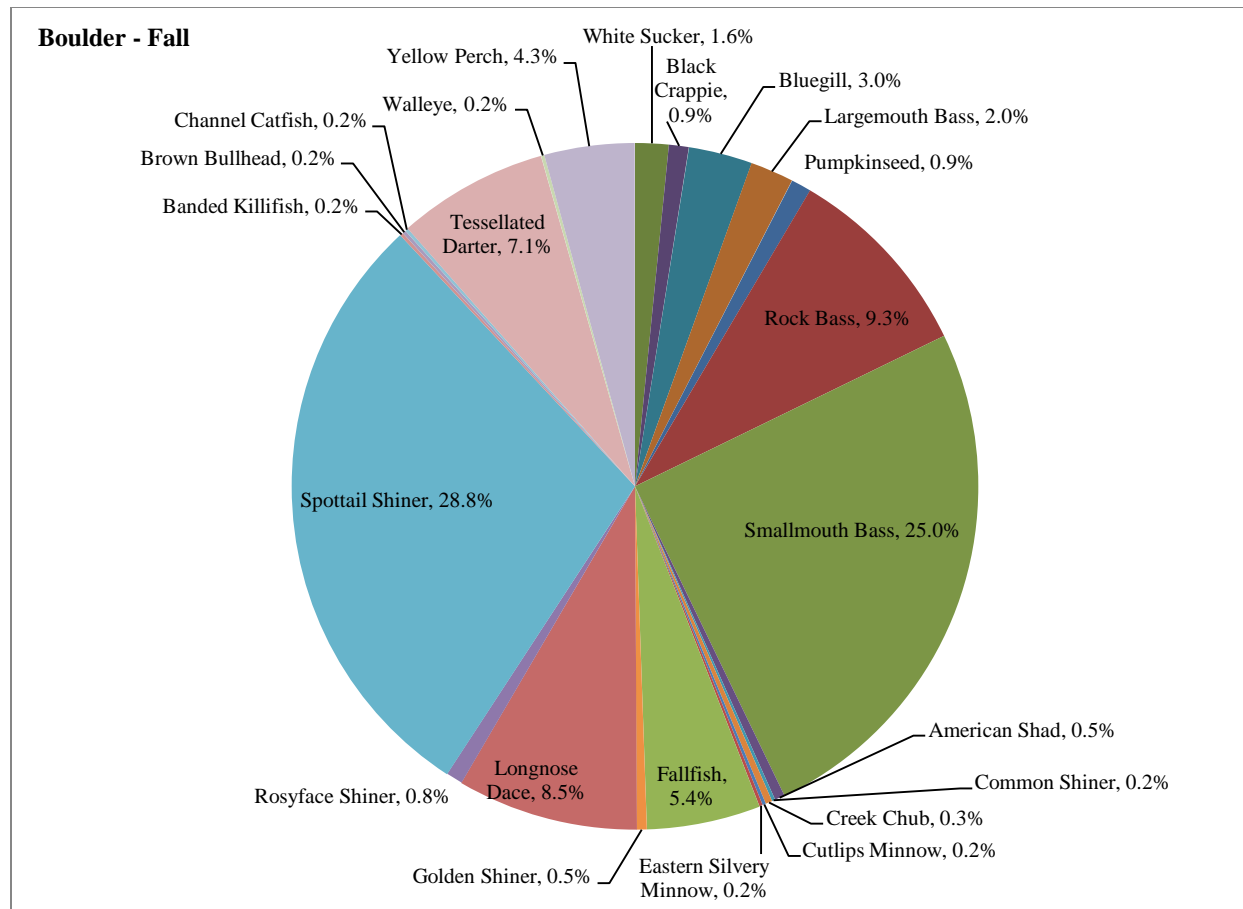


Figure J.3-18. Percent composition (%) by species for all samples collected from boulder map-units during the fall.

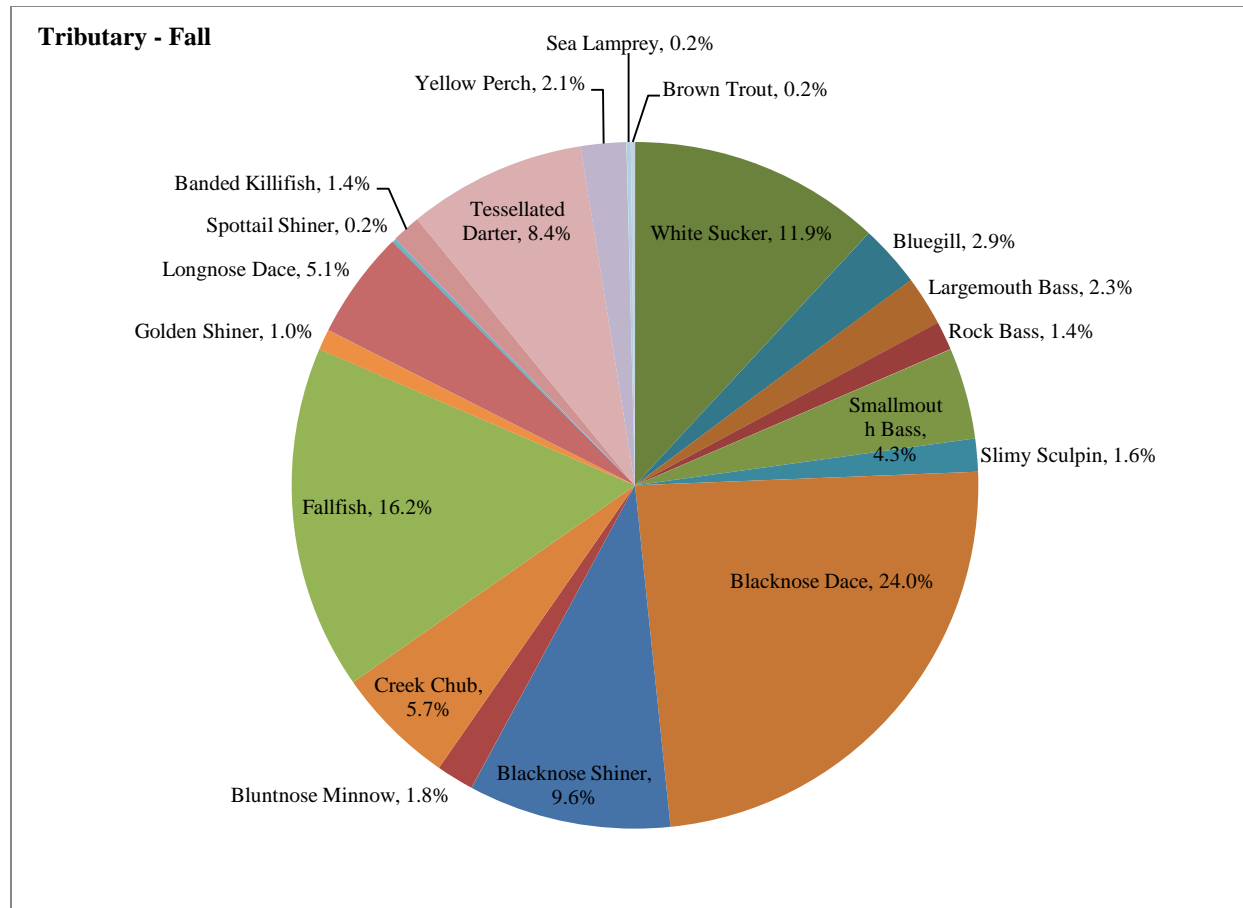


Figure J.3-19. Percent composition (%) by species for all samples collected from project-affected tributary reaches during the fall.

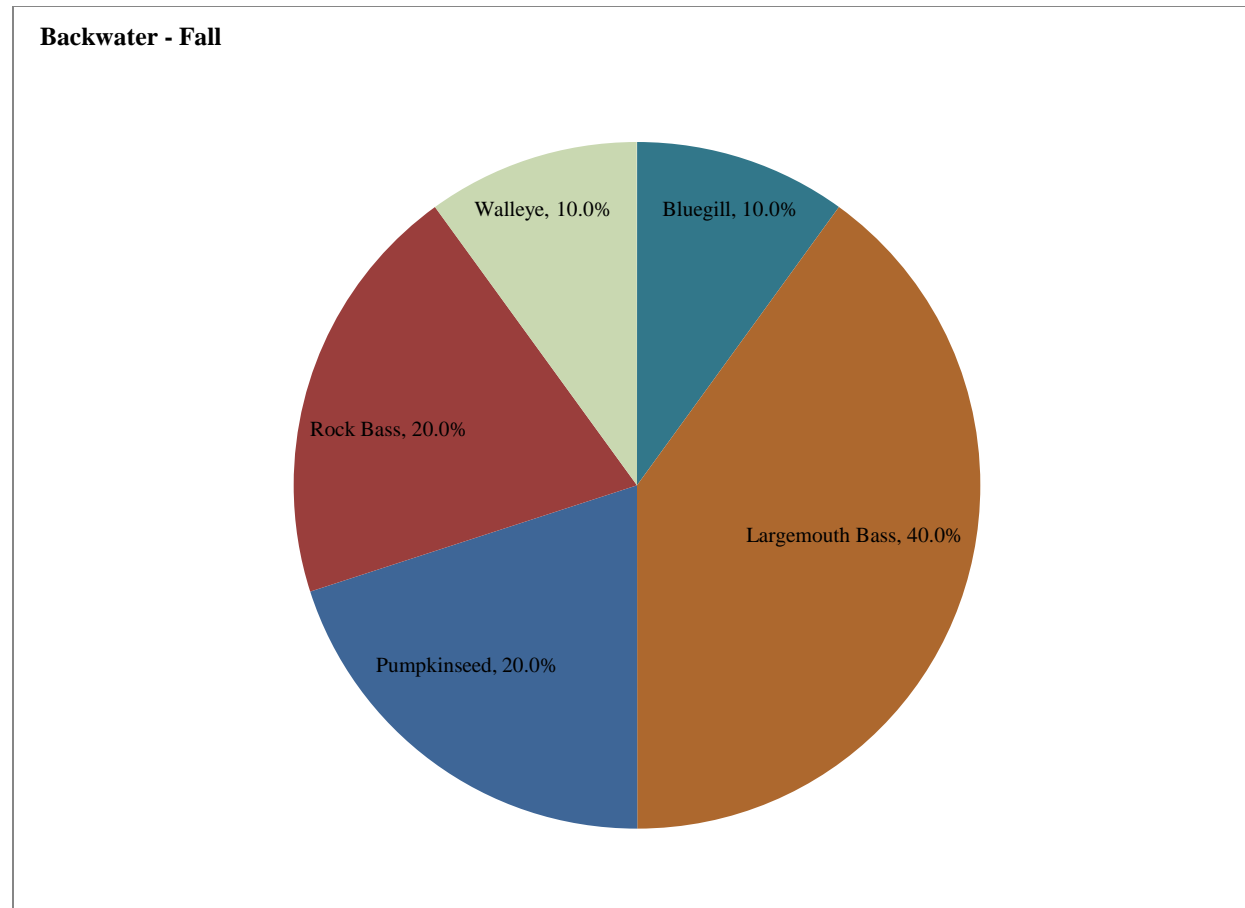


Figure J.3-20. Percent composition (%) by species for all samples collected from project-affected backwaters during the fall.